						Comments external review second order draft - Summary for policymakers	
Reviewer Name	Chapter / SPM	From Page	From Line	To Page	To Line	Comment The high-level summary is very linear and is not synthetic across the four sections of the report. Except for the four bolded paragraphs it is simply a collation of the bolded text in the	Response Agreed. The high level summary has been re-written around a revised
Robert Watson	SPM	0	()		main section of the SPM. So the first question is whether it could be more synthetic.	narrative that is more synthetic across the key messages.
						The current style makes for a very repetitive report, i.e., the same words are used at least twice, and sometimes three times when the introduction also reports on some of the key	The document has been edited down considerably and repetition removed,
						findings. I would like to suggest a drastic edit. I would keep the bolded text in A, B, C and D (albeit revised and expanded a bit) and delete the rest of the text that is repeated verbatim	whilst maintaining the broad A, B, C, structure. This includes a revised high
						later in the main part of the SPM. I would also add a fifth paragraph that summarizes Table SPM-1, which in my opinion is a critical table that will be of great interest to the policymakers. This would then provide a punchy one page summary that deletes all the repeated text.	level summary. Table SPM 1 has been removed, but summarised in a box
Robert Watson	SPM	0	()		ins would then provide a particity one page administry that detected an interceptated text.	capturing the relevant evidence reported in the technical report.
						There is not a single mention of economic value (market or non-market) or any other values – this summary will not resonate with finance ministers – the success of the UKNEA was	
Robert Watson	SPM	0	()		because the economics resonated with the finance ministers and the Cabinet Office – likewise the economics in the pollination report was a key element of its success.	Evidence on economic values has now been added.
						No links with the SDGs and only marginal links to the Aichi targets (summarize table SPM-1 as I suggested above)	This suggestion has been taken-up with the SDGs/ABTs now summarised in
Robert Watson	SPM	0	()		The mins with the 3003 and only marginal mins to the normalized gardinatize table 31 M + 2.83 (suggested above)	a box.
Robert Watson	SPM	0)		The text falls back on using the generic NCP categories rather than specific NCP – hence this will miss the key ministries – the text needs more specificity.	The key messages do not only summarise information by broad NCP category, but also give information on individual NCPs.
Robert Watson	SPM	0	()		Almost no quantification – very qualitative statements – we need some quantification	Better quantification has been made throughout the document.
Robert Watson	SPM	0	()		No mention or discussion of quality of life and the elements of quality of life	Quality-of-life issues are now addressed in the document.
		_				Section D is well written but only addresses policies and governance, and ignores, technologies, practices and behaviour – also very generic statements, no specific policies or ensemble of	More emphasis has been put on non policy/governance issues in Section D,
Robert Watson Robert Watson	SPM SPM	0)	1	policies mentioned - at least link to the tables NCP is plural, therefore do not use NCPs – please convert all NCPs to NCP	and on specific policies and policy mixes. Corrected throughout
Robert Watson	SPM	0				The text keeps filp flopping about with the use of NCP and natures contributions to people – please use one or another not both, especially in the same sentence	Text has been standardised throughout, and checked.
						I would remove all findings from the introduction - it makes reading the SPM very repetitive - unless you agree with my suggested shortened High-level summary	The introduction has been considerable shortened/deleted by being
Robert Watson	SPM	0	()			replaced by a box showing the ECA region.
Robert Watson	SPM	0)	1	Many of the figures are not mentioned in the text	This has been corrected.
						There is mismatch between the four scenarios shown in figure SPM 10 and the text in that section, i.e., the figure is not discussed in the text, and pathways shown in Table SPM 3 are	The mismatch has been corrected. The scenario text has been modified by
Robert Watson	SPM	0	()		totally different from the scenarios in Figure SPM-10 - these must be reconciled - the policies and scenarios must be linked	providing a description of the scenario archetypes in a box.
							The document includes a table of potential responses through policy
Robert Watson	SPM	0	()		A table of potential responses for different actors would be very useful in the SPM and chapter 6	options.
						Across much of the document, language seems to assume a level of technical understanding beyond the (broad) target audience. In many cases this can be remedied by explaining concepts briefly when introducing them; providing illustrative examples; or explaning the dfference between them (e.g., from chapter 5, the definitions of, and differences between,	We have attempted to simplify the language throughout and to provide
André Mader	SPM	0	()		scenarios, scenario archetypes, pathways, futures and models may baffle the average reader).	definitions of key concepts where appropriate, e.g. scenario archetypes
						The high-level summary does not yet seem to fulfil its purpose of grabbing the attention of the reader with simple messages that encourage further investigation. If it were made more	
André Mader	SPM			,		"punchy", there would be little risk of losing detail because that can all be captured in the subsequent sections. This aproach may also help with media uptake of messages, if they are clearly stated and quotable.	The high level summary has been completely re-written to be more attention-grabbing.
Allule Mauel	SFIVI	0		,		Greatly states and quotable. There are certain terms that are used more-or less intercangeably, but inconsistently. These include: biodiversity; biodiversity and ecosystems; biodiversity and nature's contributions to	attention-grabbing.
						people; nature's contributions to people and biodiversity; biodiversity and other NCPs; NCPs and nature; NCP and quality of life. Consistency within and across sections could enhance	
André Mader	SPM	0	()		readability.	Terms have been checked for consistency throughout the document
						There seems to be the need for a clear distinction between <u>use</u> of NCP, on the one hand, and nature's <u>capacity</u> to make those contributions, on the other.	This is an important point. The section on NCPs is concerned with the
							actually used ones. Biocapacity is explained as the capacity to provide such
							contributions and it is stated that the ecological footprint (which is also
André Mader	SPM	0	()			defined) is larger than biocapacity for the region and most countries.
André Mader	SPM			,		It will proably be necessary to expand the NCP acronym to "nature's contributions to people" throughout (as done, for example, for ILK in the completed assessments). In that case it will also be necessary, for example, to change "material NCP" to "nature's material contributions to people".	This has been done.
André Mader	SPM	0	()		also be incleasing. On Example, to Change Interfainter: Or induces induced in Control to Despite Control to Co	Corrected throughout
André Mader	SPM	0	()		The use of confidence language may need to be more uniformly distributed across the SPM.	Corrected throughout
Robert Watson	SPM	0	()		An assessment of NCP under future scenarios in chapters 2 and 5 is needed. The key findings should be reflected in the SPM.	This has been done (also see fig SPM 9).
							There are now multiple references to genetic diversity throughout the document. At several relevant places we mention how access to NCP is
Brendan Coolsaet	SPM	0	()		No mention of genetic resources or access&benefit-sharing in the SPM, despite importance for EU	limited or unequal in the region.
							Some elements of Ch1 are included (the region definition and explanantion
							of NCPs). Since the conceptual framework is reflected in the chapter
							structure and widely published, and to avoid repetition between assessment SPMs and to keep the SPM short, we have not included a
Brendan Coolsaet	SPM	0	()		SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing	further discussion of it here.
	1	Ť	· ·			, -g	We have a box on the ABTs that covers what the CBD is attempting to
	1						achieve, and were we summarise evidence on whether these targets are
Brendan Coolsaet	SPM	0	()	1	Relation with the CBD and how it already (tries to) addresses some of the issues should be highlighted throughout the SPM. Policymakers will be looking for possible synergies	likley to be achieved.
	1						We believe that the SPM is self-explanantory as it stands, and in the interests of brevity we have not included such a 'how to' section in the text
	1					I may be useful to add some sort of 'how to read' section for policymakers, including some clarification of the methodology and information of the evidence scales (well established;	itself. However, two appendices explain the concept of NCP and the
Brendan Coolsaet	SPM	0	()		established, but incomplete; etc.)	confidence levels.
	1						
	1					There is no reference to genetic diversity in non crop or farm animal species, i.e. in wild species such as trees, wild animals or plants. The genetic diversity of wild species is the corner stone of biodiversity. Genetic diversity is the basis of resilience in natural and man-made systems. Maintaining genetic diversity in wild species ensures that they can evolve over time and	We agree that genetic diversity is a very important component of biodiversity. However, despite many articles on patterns of genetic diversity
Bruno Fady	SPM	l	Ι.		.l .	stone of bloowersity, senerci coversity's the basis or resilence in natural and man-made systems, maintaining genetic diversity in wild species ensures that they can evoive over time and be resistant, resilient to environmental and man-made modifications. This needs to be highlighted and genetic diversity trends need to be monitored	temporal trend data in genetic diversity constitute a knowledge gap.

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Fig. 1 Sept. 19. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10		1			1 1		1
Mary	Yorick Reyjol	SPM	0	0		experts" at this stage, where different technical parts of the other chapter have been copied-and-pasted, which render its lecture very difficult, evec for a technical expert as I think I am More conceptual and pragmatic figures (and less complicated text) would clearly be benefitial (in the line of Table SPM 3 in annex).	summary and simplified figures.
And Section 19 1 9 9 9 9 of controlled processing of the processin	Anna-Rosa Asikainen	SPM	0	(0	0 assessment report as a whole should also be more compact in order to attract readers of different backgrounds. This is important when we are talking about sharing knowledge and	
And the Advanced of the Control of t	Anna-Rosa Asikainen	SPM	0	(0		in biodiversity and many NCP. This implies that less intensive land use can
see field Adultson 3.6 3.7 3.7 3.7 3.8 3.8 3.9 3.9 3.9 3.9 3.9 3.9	Anna-Rosa Asikainen	SPM	0	(0	0 dependent on biodiversity and they will be among the first ones who will have to live with the consequenses related to the loss of biodiversity; and 2) Farmers contribute to biodiversity	agriculture. Moreover, the document refers to ILK throughout, with many
And the control of th	Anna-Rosa Asikainen	SPM	0	(0	0 because otherwise we would have to give up on e.g. social aspects of sustainability. New and innovative ways of balancing different elements are needed. The assessment should	We have attempted to provide a balanced view across sustainable development issues. This is especially the case for the futures analysis, which compares trade-offs and synergies across alternative development nathways.
Seed to the section of the technical region. Whose Sea Additional Systy. 19 0 0 0 0 Progressive plan must always be interested and this should be ensisted in the tests or relevely post. An effective to the company of NPA or applies to the section of the control of the cont	Anna-Rosa Asikainen		0	(0		We point out knowledge gaps, including lack of knowledge on trends in habitat intactness and species conservation status, and that these gaps
Commany Mode of Comman	Anna-Rosa Asikainen	SPM	0	(0	0 Sources of information (references) should always be mentioned e.g. in footnotes.	Done, where appropriate, and the SPM of course references its statements back to the sections of the technical report.
Gormany 97M 0 0 0 Progress sorted by supporting services would be urgently needed off pith to the beginning of the SPM. The SPM price rate is a feeling in year service and off services in the service in the service in the services in the service in the services of the services. Services and the services of the services in the service in the services	Anna-Rosa Asikainen	31 141	0		0 0		
Germany 9M o 0 1	Germany	SPM	0		D		The concept has now been introduced in a box and an appendix.
Semany SPM 0 0 0 Sar and selection of messages, but are not well instead with each other. The most obvious is when key message of shapter is a related. This material sometimes. The messages are shapter in some sometimes appears to be more a positive with each other. The most obvious is when key message of shapter is a related. This message is a related to the message is a related to the second of the properties of the second of the policy related messages do not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related messages of not like bas at all to the insights this table provides for the policy related to the policy related to policy makes but of some state of the policy related to policy makes but of some state of the policy related to policy makes but of some state of the policy related to the policy related to policy related to the policy related to	Germany	SDM	0		n		The SPM narrative has been updated and strengthened with cross
Germany SPM 0 0 0 0 Indeed not recessary by presented on after the other). Indeed not recessary by presented on after the other) Presents a lot of instruction of the present of the other in the	Germany	3F IVI					
Please provide more targeted key messages under section D. Policy options, governance and management. All the messages remain – Dough being important – at a rather broad and party abstract letter. The late SMT parties is to directed in product caching the skill strategy and for C.E.a. as which towers, the policy related messages do not link back at all to the insights this table provides for the different sub-regions and roc C.E.a. as which convert, the policy related messages do not link back at all to the insights this table provides for the different sub-regions and the provides of the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different actors groups such as businesses, KiOs and the policy options. Targeting different act	Germany	SDM	0		2		technical report, especially the futures analysis, which are now embedded
the policy-related messages do not link back at all to the insights that sail and to the insights that from any other more government and sails of any other non-governmental actors. SMA O O O O O O O O O O O O O O O O O O O	Germany	3F IVI					Within various sections and boxes.
Germany SPM 0 0 0 Coverments to table presenting a broad range of pdg Goverments separately could be to develop more coverage and policy options. Targeting different actors groups such as businesses, NCOs and Governments separately could be to develop more coverage and any could be to develop more coverage and cov	Cormoni	CDM.				the policy-related messages do not link back at all to the insights this table provides for the different sub regions. Having read Table SPM 1, policy makers might ask, which options they might draw from in order to improve specific targets, where they are not yet fully on track. Providing such kind of information could be highly beneficial for policy-makers but of course	governance and management speaking to many actors in all subregions. Suggesting individual responses related to each of the Aichi Biodiversity
Germany SPM 0 0 0 0 many and (3) their up-0-dateness of the SPM in the SPM have been checked regarding (1) their accuracy in wording (correct citation), (2) provision of their source, and (3) their up-0-dateness of the SPM. Please avoid any inconsistences. SPM 0 0 0 No inconsistences. Oceaning SPM 0 0 0 0 Noverall—The read-ability and clarify of this SPM is rather poor; part of the specific or	,		0		2	You may also think of adressing different relevant groups of actors with specific key messages and policy options. Targeting different actors groups such as businesses, NGOs and	This section contains a table presenting a broad range of options for
Segmany SPM 0 0 0 0 New Kindly request the co-chairs and chapter authors to ensure that the key findings emerging from each chapter are captured in the key messages of the SPM. Please avoid any inconsistencies. Delgian government— Hide Eggermont Delgian government— Hide Eggermont Point) SPM O 0 0 0 New Hill — The market and structure. This has been done throughout to simplify the legian government— Hide Eggermont Point O 0 0 0 New Hill — The market and service the content on by becomes are when the remained for next assessment some of the more upload with the title of the content on by becomes dear when the remained for peaks assessment for mean assessment from the survey shade so very reduced (story line, structure, language) with the help of communication professionals/native speakers. This might be a lesson-hearment of next assessment one frest impressions are essential; two the feedback on connect is severely hamped and three this is probably the only time this many stakeholders will read the SPM thorough). SPM does not present a coherent story and larges misses out on its main aim: providing a clear set of policy recommendations, swell of early like a lesson-hearment of the methodology and information of the confidence scales (well established). SPM O 0 0 I It may be useful to add some sort of 'how to read' section for policymakers, including some clarification of the methodology and information of the confidence scales (well established). SPM O 0 0 No mention of genetic resources or access@benefit-sharing in the SPM, despite importance for EU, no reference to the Water Directive Framework As several relevant places we mention how access to NCP is in unequal in the region; we now also mention the EU Water Framework As several relevant places we mention how access to NCP is in unequal in the region; we now also mention the EU Water Framework Directive. SPM O 0 0 SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing Figure 1. Each of the provision of the						We request the co-chairs to ensure that all facts and figures inserted in the SPM have been checked regarding (1) their accuracy in wording (correct citation), (2) provision of their source	е,
Germany SM 0 0 0 inconsistencies. This has been done throughout. Beglian powerment—Hilde Eggermont (DRES National Focal Point) SPM 0 0 0 Veral The readability and civrity of this SPM is rather poor; jargon is hard to understand. Often content only becomes clear who the reader goes back to the technical chapters. We understand that more thorough text editing will be done in a later phase, but reviewing the (DRES National Focal Point) SPM 1	Germany	SPM	0		0		This has been done throughout.
Often content only becomes closer when the reader goes back to the technical chapters. We understand that more thorough text editing will be done in a later phase, but reviewing the (IMPES National Focal Point) Often content only becomes closer when the reader goes back to the technical chapters. We understand that more thorough text editing will be done in a later phase, but reviewing the (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES National Focal Point) SPM Some and the provision of the methodology and information of the confidence scales (well established; Hide Eggermont (IMPES Nation	Germany	SPM	0		0	inconsistencies.	This has been done throughout.
IRBES National Focal Point SPM as it currently stands is very tedious. Text should be strongly revised (story line, structure, language) with the help of communication professionals/native speakers. This night be a lesson-learned for next assessments (now: fish impression as are essential; two: fish ecdeback on content its serveely hampered and three: this is grobably the only time this strongly the endedback on content its serveely hampered and three: this is grobably the only time this strongly the sevent its served hampered and three: this is grobably the only time this strongly the sevent its served hampered and three: this is grobably the only time this strongly the sevent its served hampered and three: this is grobably the only time this strongly the sevent its served hampered and three: this is grobably the sevent its served hampered and three: this is grobably the only time this strongly the sevent is sevent in the prescriptive of detail defers throughout the SPM does not trop revise policy recommendations. Level of detail defers throughout the SPM (sept the narrative and structure. This has led to a sho content is served hampered and three this spread by the structure of policy recommendations. Level of detail detail is grobably the ended and the sevent is sevent and in the sPM does not to provide policy recommendations. Level of the sevent is given to the benefits of nature in urban a management for many actors. It may be useful to add some sort of 'how to read' section for policymakers, including some clarification of the methodology and information of the confidence scales (well established; here stablished). It may be useful to add some sort of 'how to read' section for policymakers, including some clarification of the methodology and information of the confidence scales (well established; here stablished). It may be useful to add some sort of 'how to read' section for policymakers, including some clarification of the methodology and information of the confidence scales (well established).			0	0			
Belgian government - Hilde Eggermont (IPBES National Focal Point) SPM O	(IPBES National Focal					SPM as it currently stands is very tedious. Text should be strongly revised (story line, structure, language) with the help of communication professionals/native speakers. This might be a lesson-learned for next assessments (one: first impressions are essential; two: the feedback on content is severely hampered and three: this is probably the only time th many stakeholders will read the SPM thorougly). SPM does not present a coherent story and larges misses out on its main aim: providing a clear set of policy recommendations. Level o detail defers throughout the SPM (some parts are rather exhaustive whereas others lack sufficient detail). E.g it seems quite some interest is given to the benefits of nature in urban	f concise text. We also avoid earlier unbalances in emphasis. Please note that the SPM does not to provide 'policy recommendations', which would be prescriptive. However, section D summarises the evidence on options for
SPM	Hilde Eggermont	SPM	0	0			governance and management for many actors.
Belgian government - Hilde Eggermont (IPBES National Focal Point) SPM O O O SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing Hilde Eggermont (IPBES National Focal Point) SPM O O O SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing Hilde Eggermont (IPBES National Focal Point) SPM O O O SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing Hilde Eggermont (IPBES National Focal Point) SPM		SPM					See response given above.
Point) SPM Directive. Belgian government- Hilde Eggermont (IPBES National Focal Point) Figh SpM Directive. Directive. Entire doc very focused on NCP - less on the intrinsic value of biodiversity. Also, always mention "biodiversity' first - then 'NCP' (not the other way around) The SPM addresses diverse values of nature. The box on NCP Foint) SPM Directive. Entire doc very focused on NCP - less on the intrinsic value of biodiversity. Also, always mention "biodiversity' first - then 'NCP' (not the other way around) The SPM addresses diverse values of nature. The box on NCP Foint) SPM Directive. SPM Solidaria SPM SPM Solidaria SPM SPM Solidaria SPM	Hilde Eggermont	3. 11	0	0		No mention of genetic resources or access&benefit-sharing in the SPM, despite importance for EU; no reference to the Water Directive Framework	At several relevant places we mention how access to NCP is limited or
Hilde Eggermont (IPBES National Focal Point) SPM O 0 0 SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing Hilde Eggermont (IPBES National Focal Point) SPM SPM SPM SPM SPM SPM SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing See response above See response above Relation with the CBD and how it already (tries to) addresses some of the issues should be highlighted throughout the SPM. Policymakers will be looking for possible synergies	*	SPM					
Belgian government - Hilde Eggermont (IPBES National Focal Point) SPM SPM obes not cover the content of chapter 1. Eg. Summary of conceptual framework is missing See response above See	Hilde Eggermont (IPBES National Focal		0	0		Entire doc very focused on NCP - less on the intrinsic value of biodiversity. Also, always mention 'biodiversity' first - then 'NCP' (not the other way around)	The SPM addresses diverse values of nature. The box on NCP explicitly refers
Point) SPM SPM Series See response above See respon	Belgian government - Hilde Eggermont	3PIVI	0	0		SPM does not cover the content of chapter 1. Eg. Summary of conceptual framework is missing	to relational values.
Belgian government - 0 0 Relation with the CBD and how it already (tries to) addresses some of the issues should be highlighted throughout the SPM. Policymakers will be looking for possible synergies		SPM					See response above
Hilde Eggermont () (PBES National Focal	Belgian government - Hilde Eggermont	31 141	0	0		Relation with the CBD and how it already (tries to) addresses some of the issues should be highlighted throughout the SPM. Policymakers will be looking for possible synergies	рес гезропае виляе
(IPBES National Focal Point) SPM See reponse above		SPM					See reponse above

Belgian government -		0	0			Figures should be significantly improved to make them easy-to-interpret and insightful. They should also be referred to in the tekst itself, in the relevant sections	
Hilde Eggermont							
(IPBES National Focal							The figures have been simplified, improved by a graphic designer, and all are
Point)	SPM	_					referred to in the text.
Belgian government -		0	U			Not sufficient focus on inter-regional differences (quite a lot of generalisations)	
Hilde Eggermont (IPBES National Focal							Interregional flows are mentioned where relevant. Moreover, where
Point)	SPM						appropriate, the text and supporting elements point out subregional differences.
Belgian government -	3FIVI	0	n			Separate section on 'knowledge gaps' and maybe also 'actions for IPBES' (as was also the case for the methodological assessment on scenarios and models) would be very useful to have	unrerences.
Hilde Eggermont		Ů	ľ			(cf. uptake by funding bodies/networks). E.g. knowledge gaps already visible: link between biodiversity & health (ind negative effects)	
(IPBES National Focal						(a. aptake by failuing bodies) networks). E.g. knowledge gaps aneddy visible. Illik between blodiversity & nearth (nici negative enedd)	
Point)	SPM						We have included a separate box on knowledge gaps.
Belgian government -		0	0			SPM lacks a section on the impacts of the ECA region on global biodiversity (footprint in other regions)	
Hilde Eggermont							
(IPBES National Focal							
Point)	SPM						A message and figure on ecological footprint has been included.
						This first draft SPM is still for a great deal of a qualitative and anecdotic character. It doesn't provide i) a concrete, quantitative and spatially explicit picture of the state of B and ES in	
						past, present and future, ii) the relative contribution per driver, iii) the effect of individual measures of most promising measure combinations and adequate instruments, iv) major	
						impacts on people, and v) relevant trade offs or synergies which have to be taken into account. The deviation from targets as in Table SPM 1 is badly specified (which component,	
						dimensions, scales?) and not quantitative as well. Just 'increases' or 'decreases' in B and ES is not enough to support policymakers in balancing socioeconomic and ecological interests.	
			l			After 46 pages summary the reader has no answer on the policy key questions: what is changing, by which drivers, why it is important and what he can do about it? being lost in the	The text has been considerably revised and strengthened to improve the
			1			forest by the trees. This is not surprising however for a first order draft. The next step towards the final SPM should make it much more concise, policy focussed, distinguishing major	treatment of status and trends and attribution to drivers, as well as relevant
			l			from minor issues, and lifting it up towards a genuine synthesis based on the huge amount and diversity of information. This big picture becomes useful for policymakers and decision makers in the economic sectors of agriculture, forestry, energy, spatial planning, fisheries, water management and urban planning. Goal is to show the major directions in favour of B and	policy instruments. There is also more quantification, and the text was
Ben ten brink	SPM		l .		0	makers in the economic sectors of agriculture, torestry, energy, spatial planning, tisheries, water management and urban planning. Goal is to show the major directions in tayour of B and ES, not to be all compassing. A challenging and necessary task.	shortened considerably to improve readability. SPM Table 1 has been removed and replaced with a concise text.
ben ten briffk	JP IVI	- 0	 	, 0	0	Es, not to be all compassing. A challenging and necessary task. From my experience with intergated assessments the major physical responses concern:	тетночей ани геріасей with a concise text.
			l			From my experience with intergated assessments the major physical responses concern: Less consumption of products per capita and in total such as meat, fiber material, water and energy use	
						Less use of energy, water, nutrients, material, and space per unit product. Close yield gap in food, fodder and fibre,	
			1			Less use of entergy, water, nutrients, materian, and space per unit product. Loose year gap in 1000, 1000er and 100 e, Halt further conversion of natural areas, preventing further loss of biodiversity and many the ecosystem functions.	
						Population policies, less relevant for ECA as such, but very relevant for surrounding regions and consequent impacts on ECA	
						Climate mitigation without biofuels	
						Reduce wasting food, re-use and recycle material	
						• Do the right thing at the right place to avoid unsustainable or inefficient use: spatial planning	
						• Establish large ecological network to prevent further loss of species and species populations, and to enforce more efficient and sustainable use of existing cultivated areas. Urbanisation	Effects of the drivers mentioned by the reviewer are mentioned in various
						might be to be prefered above unchecked rural urbanisation in low densities	messages. Response options by governance and management are pointed
						Having decided about the major physical responses, the next step can be made link these with the major governance reponses and instruments that make the above actions happen in	out in the last sectionand summarised in a table. For the sake of brevity we
Ben ten brink	SPM	0		0	0	the various ECA subregions, or if absent, to assess what enabling conditions have to be created first.	give less detail than possibly hoped for by the reviewer.
Ben ten brink							
- on sen onlik	SPM	0		0	0	-	-
THE COLUMN	SPM	0		0	0	- This lack of specificity and concrete figures also applies for ES such as food and fibre production, carbon storage and micro and macro climate regulation, and water regulation in terms of	-
- Con South	SPM	0		0	0	This lack of specificity and concrete figures also applies for ES such as food and fibre production, carbon storage and micro and macro climate regulation, and water regulation in terms of scarcity and floods. The figure SPM5 on reported trends is entirely qualitative, incomprehensible and probably uninformative. Figure SPM 10 may be promising but unclear in its present	
Seri Willia	SPM	0		0 0	0		
	SPM	0		0	0	scarcity and floods. The figure SPMS on reported trends is entirely qualitative, incomprehensible and probably uninformative. Figure SPM 10 may be promising but unclear in its present form.	
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2.11.00.00118	SPM	0		0	0	scarcity and floods. The figure SPM5 on reported trends is entirely qualitative, incomprehensible and probably uninformative. Figure SPM 10 may be promising but unclear in its present form. Tables SPM 2, 3 and 4 are promising, trying to link up with different target groups (sectors), but in this stage highly incomplete, sometimes incorrect, often administrative responses without direction or content ('encourage forest planning', 'strong innovations', 'mitigate climate change'), lacking major options and information on proven adequate instruments and	
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EU: Ole Ostermann,	SPM				The SPM starts immediately and from the table of content with the acronym NCP. For a layman or policymaker this may be a reason not to look further. I suggest to replace NCP by its of full text (nature's contributions to people) at least in the table of contents.	See above
EU: Ole Ostermann,	SPIVI	U		J	Utul text (nature's contributions to peoples at least in the table or contents. The use of the term "futures" (plural) is a technical term of the stock markets; better use: "scenarios"; "future pathways" or "future dynamics" (as in Ch3). The term futures appears at	
IRC	SPM	0	(0	The use of the term funders (points) is declined term of the stock markets, better use. Scenarios , induse partiways of future dynamics (as in clis). The term futures appears at 0 least 20 times throughout the text.	it's usage has now been reduced considerably.
Marie Stenseke	SPM	0		0	Do not abbreviate NCP and ECA	Done
Olesya Petrovych	SPM	0	(0	Vocabulary section "Terms that are central to understanding the SPM" should be created.	A glossary has been created.
					General: there are a few "framing issues" for which we would require consistency across the regional reports (non-exhaustive list): 1) drivers of change: are the drivers of change	An attempt has been made to standardise approaches across the 4 regional
Switzerland: José					considered in this report the same as in the other regions' reports?; 2) same question for the scenarios and models; 3) same question for the policy approach and actions considered to	assessments. While the same terminology has been applied everywhere,
Romero	SPM	0	(0	address loss of biodiversity and CNPs; 4) same question for the considerations about global trade; 5) same question about trade-offs	there are regional differences in evidence and emphasis.
Switzerland: José Romero	SPM	0		1	General: split section C in two: 1) curret trends 2) projections. The rationale is that it would be clearer what is observed and what is projected.	The messages have been revised to make this distinction clear.
Nomero	31 101	Ŭ	,		General, spin section our two. 2) correct tends 2) projections: The tationale is that it would be dearer what is observed and what is projected.	Tables have been designed to unpake sectors, scenario archetypes or
Switzerland: José						options for action as appropriate. However, combining all tables into one
Romero	SPM	0	(0	General: we propose to merge Tables 2, 3 and 4 in order to provide only one place in the document where all scenarios, sectors and actions are coherently presented.	would have led to unclarities.
Switzerland: José						It is common practice for the high level summaries of IPBES assessments to
Romero	SPM	0	()	General: should the High Level Summary contain uncertainty statements in brackets?	not include confidence language
					the term 'nature's contribution to people' (NCP) makes the text heavy to read and hence decreases the attraction of the text. The abbreviation NCP also stands for Natural Capital	
					Protocol and hence readers who will not read the text from the beginning to the end, but rather pick and choose specific sections risk being confused. Although it may be cumbersome, to avoid this confusion the term should be spelt out at least once in each section. Also a lot of 'nature's contribution' (e.g. climate regulation, water provision etc) are not only for	
EU: Karin Zaunberger,					to avoid unit commission the term smooth one spect out at least once in each section, also a not on nature 5 continuous (e.g., unitate regulation, water provision etc), are not only not people, but also for other living creatures. I understand the term was introduced to replace 'ecosystem services', which some Members expressed to have a difficulty with. However, I. However, I.	
Anne Teller	SPM	n	(0	people, our about of their intiger can contain the term was introduced to replace ecosystem services, which some wembers expressed to have a unitually with. However, I find the the suggested replacement will likely decrease the overall the impact of the SPM.	See response to this comment above
	İ	Ť	· ·	1 1	Drivers of change' is a term that is similar to ones used in other well-established analytical frameworks, in particular the DPSIR framework that originated from EEA assessment work and	,
					includes 'Driving forces'. It would be worthwhile pointing this out as the 'direct drivers' in the SPM correspond more to 'Pressures' in the DPSIR framework, with most of the 'indirect	The use of drivers here is referenced to the IPBES conceptual framework
EU: Jan-Erik Petersen					drivers' corresponding to DPSIR ('driving forces'. Interestingly the text uses the word 'pressures' on page 25 for factors that elsewhere are classified as drivers.	that is detailed in the full technical report (Ch 1). It would be confusing to
(EEA)	SPM	0	(0		equate with another conceptual framework, i.e. DPSIR
					Generally, when highlighting possible trade-offs and conflicts throughout the options, only negative possibilities and warnings are issued; positive developments through ecosystem	L
EU: Marco Fritz Andrew Wade	SPM	0		0	0 based approaches and nature-based solutions who might help to steer and mitigate these trade-offs should however be mentioned. Congratulations to all the authors and review editors on excellent work to collate and present the material.	We have attempted to include more positive points. Thank you
Andrew wade	SPIVI	U	,	,	Congraturations to air the authors and review editors on excellent work to conate and present the material.	Thank you
Andrew Wade	SPM	0	(n	At present, the SPM seems patchy in noting the robustness of outcomes with only limited cross-references back to the supporting sections in the preceding chapters.	Agreed, and this has thoroughly been corrected in the final version.
The Netherlands:					There could be a bit more elaboration on mainstreaming. Suggested reference: "Mainstreaming biodiversity in economic sectors: An analytical framework" (Karlsson-Vunkhuyzen et al	8 ,
Astrid Hilgers	SPM	0	(0 0	0 2017)	Mainstreaming is highly visible in the revised version of the text.
						The ECA assessment and SPM respond to the policy-relevant questions
The Netherlands:	SPM					posed in the scoping document and state trends in BD and ES, underlying
Astrid Hilgers	SPM	0		0	The SPM/ECA should address: How is BES in ECA (state), what should change? And how can we do that? These policy related questions are currently not explicitly addressed.	drivers, and options for governance and management.
					This SPM is predominantly qualitative and anecdotal, without explicit quantitative and spatial findings of the current and future state and trends of BES, not for the relative contributions	
					of drivers, the effect of idividual responses or promising reponse-combinations. Biodiversity is expressed in terms of risk of extinsion of certain taxonomic groups, although this only	
					shows a part of biodiverstity. Changes in natural area, population size (main indicators in the CBD, UNEP and OECD Outlooks) provide a more nuanced and more spatial narrative, and are quantitavely related to the effect of drivers and responses. The impact on NCP, as shown in figure SPM5 are qualitative as well and not easy to comprehend. The objective of table SPM1	
					quantitative; related to the effect of three after exponents. The impact on the pass shows in right exports are quantitative as were after those story to comprehend. The objective or labor switch is sympathetic and systematic, but seems to be mainly expert judgment as well. All in all, please add quantitative results as well, from for instance the abovement into educations, or one	
The Netherlands:					on ECA level specifically (e.g. OpenNESS work).	
Astrid Hilgers	SPM	0	(0 0	0	See response to this point above
The Netherlands:					It remains unclear from this SPM what policy makers could do and how. The tables provide some concrete action per sector, but do not seem to focus on institutional repsonse. Several specific actions that were mentioned (e.g. increased biomass production) have large negative side-effects on B + NCPs and are often viewed as a threat. The fact that reponse options can	We have attempted to point out evidence-based options for governance
Astrid Hilgers	SPM	0		0	specific actions that were mentioned (e.g. incleased unionass production) have large negative succented to a + NCPs and are often viewed as a timeat, the fact that reports options can 0 and do undermine one another should be discussed and is currently not addressed.	and management speaking to many actors (see Table SPM 4)
7 Strid Tillgers	5	Ĭ	,	1	In the creation of the SPM, some insight in main issues seem to have been lost. Altough the chapters combined do provide a largely complete inventory of data, synthesis is still missing	and management speaking to many actors (see Table 51 M 4)
					somewhat. In terms of drivers, synthesis could be something like: Agriculture and forestry are largest drivers, due to their area extent; large-scale bio-energy development could become	
					number three if we allow it, and climate change will definitly become part of this list in the coming decennia. Urban development is therefore reletively small, althought unregualted rural	
					urbanisation (increase of build-up area) is a threat. Pollution is a large issue, but especially with regards to P and N eutrofication, as heavy metals are relatively well regulated in ECA. In	
The Netherlands:	co				terms of options: consumtion change (amount and type), use of energy water, nutrients and space per unit of procuct, decreasing food waste, efficient and sustainable use of resources,	We have re-written the SPM text to provide more synthetic information on
Astrid Hilgers The Netherlands:	SPM	0	(0 0	0 climate mitigation without bio-energy.	drivers. We have re-written the SPM text to provide more synthetic information on
The Netherlands: Astrid Hilgers	SPM	n	,	0	Confidence levels seem overconfident	We have re-written the SPM text to provide more synthetic information on drivers.
ECA values liaison	1	Ĭ	,	1 1		
group	SPM	0		0	Please take care to change "biodiversity" to "nature"; "ecosystem services" to "NCP"; and "wellbeing" to quality of life, where appropriate.	Done
					we suggest to include a small box in the SPM that states: "ECA has assessed or refers to diverse types of values including non-anthropocentric, instrumental and relational values people	
					associate with nature. Chapter 1 Table 1.X provides an overview and links to where and how these are assessed in the entire assessment." The purpose of this Box is not to provide	Reference to values has been embedded throughout the document and, to
ECA values lining					definitions (that is done in chapter 1) but to let policy makers know (some of whom do care about different value types) that ECA has taken a broad approach to values and where the interested roader and find more placed to this unique that actually reading the state of the contract types of the contract typ	keep the number of boxes small and the SPM focussed on evidence rather
ECA values liaison group	SPM	n			interested reader can find more. Based on this we suggest to delete many of the current specifications of different types of values that actually confuse rather than explain values and their importance, when included in broader messages that actually focus on something else	than method, we consider this a better approach than having a separate box on the issue.
ECA values liaison	J. 191	U	'	+	we suggest to include sparate subkey messages on the implications arising from the assessement of diverse values in each of the sections A-D. We believe this will communicate the	Son on the Baue.
group	SPM	0	(0	importance and implications of diverse values much more clearly than when included in broader messages that actually focus on something else.	Reference to values has been made throughout the document.
ECA values liaison						This has been done within the limitations of the available evidence for
group	SPM	0	(0	Check that all subregions are covered roughly equally in terms of values.	different sub-regions.
					Please consider providing clarification for what is meant by the following values terms: Bio-cultural value (line 128); High value species (line 879); High nature value (lines 1356, 1808,	
ECA values liaison	SPM				3140); High value trees (lines 2223, 3224); Aesthetic value (lines 2246, 4999); Natural value (lines 2282, 2838); Landscape values (line 2500, Box 4.6 (line 2778)); Conservation value (lines 2839, 5029); Protected area value (line 2897)	The value terminology has been checked throughout the document.

	1					
					Key messages (A-D) in the SPM need to be better supported by submessages that explicitly feature what role values play, and how. These should probably be constructed jointly across	
					several chapters.	
					General message: values impact drivers and drivers impact values. In fact that all 'futures' approaches as well as policy instruments embed and have implications for different types of	
COA					values.	
ECA values liaison	SPM		١,		Finally we recommend to revisit steps 4&5 of the guidance document on diverse values (very first section of the document) for inspiration how to derive key messages on values within assessments.	We mention that the SPM is based on the consideration of diverse values.
group	SPIVI	0	'		assessments.	we mention that the SPM is based on the consideration of diverse values.
					A chapter 1 perspective:	
					ECA takes a multi-value approach for the first time. This should be highlighted even more.	
					Generally, less info (in all chapters) on GQoL and linkages between value dimensions. Needed: integrate and visualize trade-offs between various dimensions: towards an inter-value	
					approach. Plus a more detailed approach on which main trade-offs between which categories, in which regions, and how to do something about it.	
ECA values liaison					Message to include more explicitly: "Often, the way we use nature is aimed at an increase in (certain) NCP or certain aspects of GQoL, but this use provokes direct decreases in non-	We considered these points, and we explicitly mention the trade-offs across
group	SPM	0	(0	anthropocentric values and some categories of GQL, as well as long-term risks for the targeted values themselves."	NCPs.
					A chapter 2 perspective:	Many statements throughout the SPM are related to values, especially in
ECA values liaison					We can communicate a few of the value types we did find results for GQL, with for some also relations with NCP's. In ch 2 there is anecdotal evidence on the role of justice and equity on	the statements on NCP and QoL, and values are also mentioned in the
group	SPM	0	(0	drivers such as land use change. It would be worthwhile to link this to chapter 4.	context of knowledge gaps.
					A chapter 3 perspective::	
		1	l		(QoL) There is a section on relationship between biodiversity and NCPs). This will allow some statements on instrumental values but it might not be formulated explicitly yet. One possible	,
ECA values liaison		1	1		conclusion in terms of value could be to make explicit that the non-anthropocentric values are at risk.	Diverse values are mentioned in SPM. Intrinsic values are mentioned in
group	SPM	0	(0	There is a need to explain how non anthropocentric values are dealt with within ECA very well. Not clear where exactly (e.g. here ch1 or ch2)? 🛭	chapter 1 of the technical report.
			l		A chapter 4 perspective:	
			1		So far there is a section on impact of drivers on biodiversity/non-anthropocentric values, and on NCPs in general (so far still a gap on NCP). By analyzing drivers across sub-regions, the	1
					various contexts (world views?) are implied a bit, but mainly descriptive (cultural and religious drivers) rather than values. GQoL is also not really covered, but this should be linked	
					with/build on CH2 material. But we may have to step out of the IPBES framework to capture drivers related to world view issues and things as ideology, corruption,We need also to	
					better understand interactions among drivers. Next step: Try to highlight how values impact/form different drivers for the different regions. (maybe thickness of arrows could capture	
					this).	
ECA values liaison			l .		Weight different sets of values in different regions. Importance of relationships and their relationship to values could maybe be highlighted.	Many statements throughout the SPM are related to values, and values are
group	SPM	0	(D		also mentioned in the context of knowledge gaps.
						· ·
						· ·
					A chapter 5 perspective:	· ·
					Make more explicit in executive summary and conclusions, that:	
					- Most types of values are mentioned in some Scenarios/models etc. however, all of them take partial look and many scenarios operate with very aggregated value types ('environment' /	
					'biodiversity'), very often values are treated only implicitly.	
					- Futures' including models also embed values in their conception. Models have assumptions that are linked to certain values (and the values of the model developer)	
					- 'Futures' favor certain values over others and show what the implications of this dominance of certain values over others might be.	
					None of the models/futures cover all interlinkages, some interlinkages are much better explored than others. An example of a regional integrated assessment platform is the CLIMSAVE	
					IAP, highlighting the interlinkages between models and the ecosystem service (NCP) outputs produced. However the majority of assessment studies still rely on single component models	
					Most types values are mentioned, depending on section and available information. Non-anthropocentric values less covered in scenarios section, that focusses on anthropocentric	
					wost types values are intentioned, upenting on securion and available information. Notification in the values of the value different value dimensions in different proportions e.g. in hierarchical archetypes relational values.	
					are more dominant than instrumental in individualistic archetypes it is the other way around.	
					The archetypes of futures also imply or target values or sets of values. Pathways and visions are very policy oriented and idealistic, identifying and describing targets very well. They also	
1		1	l		reflect values directly: by formulating a vision of the future they directly reflect the values of a specific stakeholder group.	
1		1	l		however, current models and scenarios do not permit to analyse trade-offs and impact pathways how to achieve these futures visions at the level of subregion (Western/Eastern	
1		1	l		Europe/ Central Asia).	
ĺ			l		At the level of single countries [Here we asumed that more detailed information including how to achieve pathways to future visions is available. This could maybe be used to illustrate	
İ			1		the value of such approaches, for future work also at the subregional level.]	
İ			1		Scenarios are more targeting instrumental values. So a lot of things are missing in research. => lacking tools to quantify QoL.	
İ			1		Important as it bears a lot of potential for misunderstandings to distinguish clearly when a statement refers to actual impacts/quantities or proportions and when it refers to how often	
İ			1		something is included in a particular group of futures i.e. frequencies.	
1		1	l		Crowd sourcing and big data might allow broader perspective than 20 people in the room, but avoiding bias remains a challenge in all	
ECA values liaison		1	l		Modelling needs to expand different representations of human behaviours in order to reflect diverse values	Many statements throughout the SPM are related to values, and values are
group	SPM	0	(0		also mentioned in the context of knowledge gaps.
			l			
			l		A chapter 6 perspective:	The section on options for governance and management considers sectoral
			1		The relation to the values is very vague. Connecting specific instruments with values is difficult because these relationships are very specific. We could show how sectors are linked to the	
ECA malmas linians		1	l		values in a broader way. By nature these sectors are more related to NCP, some to Qo, health, education, and also some (nature conservation) to non-anthropocentric values.	instruments and to policy mixes. We agree that many options address
ECA values liaison	SPM	_			Recommendation is to look at policy instruments by subregions also, not only by sectors.	several values, but do not make this explicit for reasons of brevity and
group ECA values liaison	3PIVI	1 0	H (An important message is to state that each instrument and the way it is designed might be targeting certain values and usually affecting several others. We should be careful not to aggregate too much, there are trade-offs within the subcategories too. These trade-offs need to be spelt out wherever possible and highlighted particularly	because values are largely dealt with in the previous sections. Trade-offs and synergies are mentioned at the appropriate level of
group	SPM	_			we should be careful not to aggregate too much, there are trade-orts within the subcategories too. These trade-orts need to be speit out wherever possible and nightighted particularly for future work.	aggregation.
group	JF IVI	. 0		vi I	portugue work.	aggregation.

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Consideration of Markon Service Control Servic						Value articulation in society: which ones are heard which ones are not and the power dynamics behind that: Chapter 4 can contribute to this, chapter 6 could probably contribute in	
Exclusive law of the company of the						terms of	
Exclusive law of the company of the						Link between ch 2-3: chapter 2 shows biodiversity in particular (as well as nature in general) are important for NCP, chapter 3 shows how biodiversity is at risk. Somewhere	
The second secon	FCA values liaison						We improved the story line of the SPM to better reflect the logical links
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SPM O O O O O O O O O	ECA values liaison						exactly is meant.	World view is only mentioned in the appendix on NCP and there in a very
Agreed and the document has been shortened considerably The table has now been replaced by a narrative summary of evidence related to the ABTs. The options for governance and management are pointed out in the last section along with a comprehensive table. At the same time recommendations are not subject of the SPM, as they would be policy- prescriptive. SPM 0 0 0 0 0 The Arctic area of ECA is not once mentioned in the SPM. Dimitry Schigel SPM 0 0 0 0 0 The Arctic area of ECA is not once mentioned in the SPM. The Is in an incosstence between the ECA Scoping document, Chapter 1 and other chapters of SPM. The incosistence refers to geographic coverage of subregions in the ECA. According to the Scoping document, the countries of the Balkan peninsula belong to the sub-region of Central Europe, However, in many examples, these countries are classified into Eastern Europe. SPM 0 0 0 0 Reample for this comment is C2 statement (ine 600-603 of SPM, Chapter 4 of ECA) Apart from BT (iline 377-380), socio-political, eith storical events are not enough (or in any way) related to the current status of biodiversity and NCP, as well as to the direct and indirect drivers. For example, in C1 (Status and Trends of Direct Drivers) on lines 575-577, 'demography' is mentioned as an indirect driver of land use changes in Central Europe, without any deeper explanation of the cause of enormous demographic changes in this subregion. Here, but also in C2 (lines 613-613) and C3 (lall lines) there is room for linking socio-political revents We address abandonment, loss of agricultural land, loss of genetic indiversity and consequent loss of traditional knowledge and differences between sub- regions. For description of cause of enormous demographic changes in this subregion. For	group	SPM	0	0				
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Finish Government SPM 0 0 0 0 General: Key messages from the table on aichi targets table SPM 1. should be elaborated also in the text related to the ABTS. The options for governance and management are pointed out in the last section along with a comprehensive table. At the same time recommendations are not subject of the SPM, as they would be policy-prescriptive. There is no momentions are not subject of the SPM, as they would be policy-prescriptive. There is no momention of the arctic and increase of ECA is not once mentioned in the SPM. There is no momention of the arctic all am worried that summary does not reflect the essence of the chapters, especially of chapter 3. A lot of value is lost in compression, plus I am not sure that such kind of summary is politician friendly. There is an incosistence between the ECA Scoping document, Chapter 1 and other chapters of SPM. The incosistence refers to geographic coverage of subregions in the ECA. According to the SpM and technical report. The Balkan countries are classified into Eastern Europe. When the SpM and technical report. The Balkan countries are consistently considered as part of CE throughout SPM and technical report. Apart from B1 (line 377-380), socio-political, ie historical events are not enough (or in any way) related to the current status of biodiversity and NCP, as well as to the direct and indirect drivers of land use changes in Central Europe, without any deeper explanation of the cause of enormous demographic changes in this subregion. Here, but also in C2 (lines 613-615) and C3 (all lines) there is room for linking socio-political events and doss of traditional knowledge and differences between subregions. For and of spendic diversity with significant changes in the status of NCP, by abandonment of areas, loss of agricultural land, loss of genetic biodiversity and consequent to soor traditional knowledge. These events	Finnish Government	SPM	0	0	0	0	sentenses.	Agreed and the document has been shortened considerably
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Domity Schige	İ]				l am worried that summary does not reflect the essence of the chapters, especially of chapter 3. A lot of value is lost in compression, plus I am not sure that such kind of summary is	
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with significant changes in the status of NCP, by abandonment of areas, loss of agricultural land, loss of genetic biodiversity and consequent loss of traditional knowledge. These events and loss of traditional knowledge and differences between subregions. For	1		l l					We address abandonment, loss of agricultural land, loss of genetic diversity
	1							
- of a disconnection of the processing of the pr	Senka Barudanovic	SPM	0	0	0) 0		
	Daradanovic	1					2. July development of manual control of the protection and adaptations are of blocked site.	

							All SPMs have been largely revised. The regional assessment SPMs reflect
							the slightly different chapter structure opf the regional assessments
Senka Barudanovic	SPM	0	0	-	0 (ECA SPM needs to be better aligned with the Land degradation and restoration assessment, especially in the chapters 4, 5 and 6. A key mandate, especially regarding the summary for policy makers (SPM) associated with each of the assessments is to provide an assessment of the economic value of NCPs. This may	compared with the LDR assessment, however.
David González	SPM	0	0		0	or reflect lack of attention to economic values in the assessments, although this varies across assessments.	Economic values have now been added to the SPM.
Harald Pauli		1	1	4		General comment on the SPM: Especially in the condensed SPM-form (and even more in its high-level summary), the fundamental significance of nature, its biosphere and diversity, for	
						life and survival seems to me pretty much hidden in a rather long-winded way of explaining the points. The attempt to include different more or less related components in one sentence	
						or paragraph appears to homogenise the messages across chapters and paragraphs, so that different levels of importance and urgencies are not easy to distinguish and to understand.	
						For example, the term 'nature's contribution to people' is heavily used even in the condensed high-level summary, which not only lengthens the text, but makes is way more difficult to record and thus convices little useful to record and thus convices little useful.	
						read and, thus, convincibility suffers. The assessment strongly builds on ecosystem services for human well-being, which of course is a commendable and potentially worthwhile effort. It holds the risk, however, that the role	
						of nature and biodiversity is underrated as just equally important with other, non-nature, contributions to people. This concern is raised after having the impression that (1) overarching,	
						fundamental functions of nature/biodiversity, which are essential for life, e.g. in the context of climate change (CO2 sink, provision of oxygen) or in the role of biodiversity as insurance	
						against system failure, and (2) their unique/irretrievable values, also in the context of the vast spaces of time for the genesis, are not strongly emphasised. The text appears or tends to	
						opposing humans against the rest of life, which, in fact is what is happening, but which might also fuel an old 'useful versus vermin creatures' thinking. Actually, in an anthropogenically	
						rapidly transforming global biosphere, the value of its (remaining) still diverse components very much increases, all the more as the human population is growing. Consequently, measures including financial support on national and international levels, need to be increased adequately in favour of effective management and governance efforts. This will also	
						inessatish neuroni international proprior or incurrent and increase and international propriet in international propriet or incurrent and international review, increase an expectation of international propriet and international propriet international propriet in international p	The SPM clearly presents evidence that important goals will not be achieved, because biodiversity and NCP are declining due to anthropogenic
						detection of critical dynamics and declines.	drivers. The intrinisc values of nature are mentioned as well. Options for
							governance and management are pointed out and knowledge gaps are
	SPM						presented, including gaps in monitoring.
Unai Pascual	SPM	1	1		6 18	The high level messages are too general in my view. This reduces their potential impact for policy uptake. I suggest these messages focus on more specific results, and when possible using some quantitative information.	These have been so with a second constitution
Unal Fascual	31 IVI	1	1		18	LUSING some quantitative information. As a general comment: readability of the SPM is not great. The setup, with the short summarising intro-texts of the subjects of the chapter summaries repeated in the high level summary.	These have been re-written with more quantification.
1						may be very methodic but does not work. In the sense that it gets in the way of the message. Moreover, the headings are hardly readable stand-alone. The formulations are often so	In response to several comments the SPM has been restructured in a less
						cryptic that the high level summary reads like an encrypted message. Adding to this is the unnecessary use of abbreviations (ECA, NCP's) and unexplained jargon (e.g. existence value,	repetitive way, the story line has become much more apparent, and the
Rob Bugter	SPM	1	1	4	6 98	9 Aichi target 12).	SPM much more accessible. Abbreviations are avoided.
Rob Bugter	SPM	1	1	4	6 98	The level of English is not appropriate for a policy summary as it is far too academic.	The language has been edited throughout to make it more simple and accessible.
						As a general comment: readability of the SPM can be approved. The setup, with the short summarising intro-texts of the subjects of the chapter summaries repeated in the high level	In response to several comments the SPM has been restructured in a less
The Netherlands: Astrid Hilgers	SPM		1		- 00	summary may be very methodic but does not work. In the sense that it gets in the way of the message. Moreover, the headings are hardly readable stand-alone. Adding to this is the unnecessary use of abbreviations (ECA, NCP's) and unexplained jargon (e.g. existence value, Aichi target 12).	repetitive way, the story line has become much more apparent, and the SPM much more accessible. Abbreviations are avoided.
The Netherlands:	3FIVI	1	1		0 30		The language has been edited throughout to make it more simple and
Astrid Hilgers	SPM	1	1	4	6 98	The level of English is not appropriate for a policy summary as it is too academic.	accessible.
	SPM	1	3			lt is confusing to use "ecosystem services" in the title when it is consistently replaced by NCP in the rest of the text.	This was a choice made by IPBES.
Harald Pauli	SPM	2	27		2 2	7 the acronym 'NPCs' should be written in full at the beginning: 'A1 The relationship of Nature's Contributions to People, values and quality of life'; the acronym, however, should be 'NCsP' in the plural and 'NCP' in the singular form; NCPs would mean 'Nature's contribution to peoples', which, I take, is not intended.	The use of NCP has been harmonised across all regional assessments.
	SPIVI				+	In the plurar and NCP in the singular form; NCPs would mean inactive's contribution to peoples', which, i take, is not intended.	The use of NCP has been narmonised across all regional assessments.
						Food security: Up to now, 80% of global food supply comes from just 20 kinds of plant. Although many kinds of animal are utilised as food, again most consumption is focused on a few	
						species. This is high risk as the genetic diversity of these few species is also declining and the ability for future adaptation processes to a changing environment (new pests, climate	
Georgia: Salome						change) will be limited. Many flowering plants rely on the activities of various animal species (bees, butterflies, birds, etc.) to help them reproduce through the transportation of pollen or	
Nozadze	SPM	3	55		3 6	the dispersal of seeds. More than one third of food crops depend on this process of natural pollination	are discussed in the main report
Robert Watson	SPM	3	56			I would suggest a much shorter structure – 5 bold paragraphs – an expansion of the current bolded paragraphs plus one that addresses the Aichi targets and hopefully the SDGs	The structure has been changed and simplied around a stronger narrative.
		_				High level cummany is useful since it is really compact (around 2 pages). However, the concrete outcomes of the assessment could nothans be montioned in this part more clearly (a.g.	The summary has been considerably revised, making the SPM contents
Anna-Rosa Asikainen	SPM	3	56		6 18	some actions proposed in Table SPM 2, page 37-39).	much more accessible.
Germany	SPM	3	56		3 5	instead of "high-level summary" it should be named "key messages" to be in line with the IPBES Pollinators SPM as well as the LDRA SPM.	The headings have been harmonised across all regional assessments.
Belgian government -		3	56	6	181	High-level summary does not make any reference to the new framework of the UN Sustainable Development Goals (Agenda2030)	
Hilde Eggermont							
(IPBES National Focal Point)	SPM						The SDG are now referred to.
i onic)	3FIVI					1	The 3DG are now referred to.
EU: Karin Zaunberger	SPM	3	56			question what is meant by 'high-level' summary. Would it not be sufficient to say Summary ?	The headings have been harmonised across all regional assessments.
Olesya Petrovych	SPM	3	56		3 5	6 The name of the part "High-level summary" should be changed to "key messages".	The headings have been harmonised across all regional assessments.
Olesya i etrových	51 141	,	50		, ,	of the part rings reversalismany should be changed to key messages .	In response to several comments the SPM has been restructured in a less
						Specify that all the messages are detailed in the following summary, which specifically refers to the report. As the messages are often rather vague, the ways to get precisions should be	repetitive way, the story line has become much more apparent, and the
France	SPM	3	56			1 clear for the reader.	SPM much more accessible.
France	SPM	3	56		6 18	There could be more figures (numbers) in the SPM, especially about the contribution of nature to people and about reference targets, to be more punchy.	We include more specific numbers in the SPM.
							The SDGs are now referred to in the high level summary, but treatment of the SDGs is less comprehensive than for the ABTs, since SDGs are much
						The High-level summary should mention that the biodiversity related Sustainable Development Goals will not be met for the region in reference to the statement page 7 lines 186-187 in	
France	SPM	3	56		6 18	1 a similar manner as done for the Aichi targets.	biodiversity-related issues.
						In general key findings need to more specific, distinct, concrete and interpretable. Although NCP is attractive by a more inclusive perspective its broader spectrum poses a hughe	
Sweden: Hannah			_		_	challenge as to communicate simplified key findings and measures. Shorten the text in high level summary; eg. A1. "Various NCP are fundamental for human existence and and the base	
Östergård	SPM	3	56	4.	5 97	for people's demands, knowledge and worldviews in ECA".	shortening and more explanation of NCP.
i l	l	1		1	1		
Sweden: Hannah						Important to keep the message of the importance of biodiversity clear througout the SPM. Both in regards to the loss of BD and in regards to the benefits of NCPs, land- and water use use has to be recognized as the main drivers and when effects of climate change are considered these have to be considered in addition with land- and water use options, i. e. indigenous	Drivers of biodiversity and NCP change are subject of a wholesection of the

Sweden: Cecilia	I					T	
Lindblad	SPM	3	56	3		There should be an explanation of NCP	NCP is explained in a box and an appendix.
Finnish Government	SPM	3	56	6	181	There is nothing about status, trends and drivers of urban biodiversity in the high-level summary	We refer to effects of urbanisation where relevant.
Harald Pauli	SPM	3	57	3	57	The title seems to me not suitable: 'Contribution of nature to people' seems to me a weakening of the actual importance of nature, being pretty much all what the planet and its biosphere provides; it is not just a contribution among others which make up human's quality of living - without plants, for example, humans would not survive for more than some minutes in the absence of oxygen. I think, an assessment such as IPBES is the very place to call to mind the overarching importance of nature and its biodiversity, ever more so in the SPM	The NCP concept has been adopted widely across the IPBES assessments as a means of standardising disparate concepts.
ECA values liaison group	SPM	3	57	3	62	It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature provides essential contributions to people and, hence, to good quality of life in Europe and Central Asia".	This is addressed in the opening section to a new key message A1
Graciela Rusch	SPM	2	57	,	74	The language in this part is a bit too technical (e.g. I would avoid using 'instrumental and relational values, for instance). Use ordinary language. And the conclusions or messages are a bit abstract or at least, they sound a bit abstract (intergenerational inequity.). I think it is mainly a question of using a more accessible language.	Yes, we now avoid these terms and use cultural, economic and social
Graciela Ruscii	SPIVI	3	37	3	74	abstract or at least, they sound a bit abstract (intergenerational mediuty.). I trimk it is mainly a question or using a more accessione language.	The story line of the SPM has been improved in response to comments and
UK: Mark Stevenson	SPM	3	58	6	181	The High Level summary could do with an introduction that better sets out what this report is for	is apparent from the first message.
UK: Mark Stevenson	SPM	3	58	6	181	There is inconsistency in terminology throughout the high level summary, which makes things very difficult to follow. The document starts with a reference to 'biodiversity and ecosystems' as separate entities (although actually I think it means 'biodiversity and ecosystems services). By p 3 line 80 the document is saying 'biodiversity is species and ecosystems' and therefore 'biodiversity and ecosystems' becomes redundant. Slowly the term 'nature' appears in relation to ecosystem services but still sticking with 'biodiversity'. I like the term 'nature's contribution to people' as a non-technical way of expressing ecosystem services, but then it doesn't sit neatly with 'biodiversity'. Again for consistency we should say 'nature and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and its contribution to people' or 'biodiversity and the contribution to people' or	Consisteny of terms has been checked throughout.
				_		There are some very strong and forthright statements in the summary, and it would be helpful if there was some siggnposting to the chapters that contain the evidence. Eg. 5,139 and	
UK: Mark Stevenson	SPM	3	58	6	181	5,159.	We refer to sections of the technical report throughout the SPM.
Robert Watson	SPM	2	E0			Suggest to rephrase as follows: Biodiversity and ecosystems underpin nature's material, non-material and regulating contributions to people (NCP) and are thus fundamental for human existence and contribute to quality of life	Now, it is rephrased as Biodiversity loss impairs ecosystem functioning and, hence, nature's contributions to people '
Harald Pauli	3FIVI	3	58	3	59	Existence and communic to quanty on me this sentence does not really make sense and is not convincing: Biodiversity and ecosystems underpin nature's contributions to people (NCP) and are thus fundamental for human	nerice, nature's contributions to people
	SPM					existence.' It sound such as NCPs are the source (having evolved over millons of years), which however is the case for biodiversity and ecosystems. Shouldn't it rather be: 'Biodiversity and ecosystems are fundamental for human existence. By providing NPCs, biodiversity and'	Now, it is rephrased as Biodiversity loss impairs ecosystem functioning and, hence, nature's contributions to people '
						Nature's contributions to people (NCP) is an all emcompassing fuzzy concept central to the IPBES process. It could be argued that Nature does not contribute to people per se, people use	
Bruno Fady	SPM	3	58			Nature for their benefits. The NCP concept should be better defined at the beginning of the summary	The NCP concpet is now explained on page 7
Germany	SPM	3	58	3	58	How can biodiversity and ecosystem "underdepin" nature's contribution to people, since NCPs are part of (comming out of) the biodiversity and ecosystem?	Yes, "to underpin" is meant to express that biodiversity is indispensable for NCP.
-	SPM						The high level summary now has an introduction that indicates the assessment specifically addresses the ECA region and as result the high level messages no longer mention ECA in order to reduce word length to the
Germany EU: Ole Ostermann.	SPM	3	58	3	/4	Only 2 messages (namely A2 and A3) adress specifically the ECA region- or subregions. If possible, make sure that the key messages target specifically the region considered here.	limits prescribed Page 7 now explains the NCP concept and the relationships of NCP to ES is
JRC	SPM	3	58	3	59	Please explain relationship of nature's contributions to people (NCP), to other well-known concepts as ecosystem services (ES) and to nature-based solutions (NBS)	discussed in chapter 1
EU: Karin Zaunberger	SPM	3	58			include after in terms of: food provision and quality, water provision and quality, air quality	These issues are now dicussed in key message A1 and A2
Thomas Brooks	SPM	3	5.8	3	59	Very important to retain consistency with IPBES definition of "biodiversity", which includes "ecosystems" (http://www.ipbes.net/sites/default/files/downloads/IPBES_2_INF_2_Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145). Therefore, Gelete "and ecosystems" twice here.	This sentence has been removed. It may still be noted that in the IPBES conceptual framework the "nature" box is also denoted "biodiversity and ecosystems".
UK: Andrew Stott	SPM	3	58	3		using NCP terminology in the first line is not helpful to the unfamiliar reader, it just complicates the sentence	Using NCP was an IPBES-wide decision. To explain the concept and its relation to ecosystem services the SPM contains a box and an appendix.
Sweden: Hannah							High level message A has been rephrased; it now say that Biodiversity loss
Östergård	SPM	3	58	3	58	Insert functions: Biodiversity and ecosystem functions underpin nature's contributions to people (NCP) and	leads to impaired ecosystem processes and thus impaired NCP.
EU: Markus Erhard (EEA)	SPM	3	60			various' values propose to mention 'social cultural and economic' values instead	social , cultural and economic values are now mentioned
UK: Andrew Stott	SPM	3	60	3	60	Refer to people rather than societies	done
EU: Ole Ostermann.						Biodiversity loss, not only severely impairs nature's capacity to contribute to human quality of life, in terms of security, health, cultural identity and heritage and equity, but also to so called Good Life (or happiness or joy), see: ESER, Uta; NEURCLITHER, Ann-Kathrin; SEYFANG, Hannah; MÜLLER, Allbrecht (2014): Prudence, Justice and the Good Life. A typology of ethics reasoning in selected European biodiver-sity strategies. Bonn-Bad Godesberg, Gland (BRN, UCN). – URL: https://portals. iucn-org/librany/node/4639 see also SPM p11 "Figure SPM 2	
JRC	SPM	3	61	3	62	Empirical evidence for the interlinkages between NCPs and quality of life."	The term good quality of life is now used in high level message A
Robert Watson	SPM	3	62			Add a couple of examplkes of regulating NCP	A reference to Box SPM.2 has been inserted where all regulating NCP are listed
Belgian government - Hilde Eggermont		3	62	3	62	According to the IPBES conceptual framwork human well-being and quality of life denote the same box. Health is one component of well-being/QoL, i.e. not the same level as "total" well-being. In the SPM the term QoL is now used consistently.	
(IPBES National Focal Point)	SPM						The term well being is not used in the SPM and the term good quality of life is used instead. This is discussed in chapter 1
EU: Frank Wugt Larsen (EEA)	SPM	3	62			yes, expand list with other NCPs	A reference to Box SPM.2 has been inserted where all NCP are listed
Yildiz Aumeeruddy- Thomas	SPM	3	62	62		"in terms if security, health etc": food is missing	Food has been added
Robert Watson	SPM	3	63			I suggest to rephrase as follows: A1. The various NCP, which effect the quality of life reflect significant	This has been completely rewritten
Robert Watson	SPM	3	63			Almost no reader will know what "instrumental" and "relational" mean – please use alternate language or define the two terms	These terms have been removed
Robert Watson Harald Pauli	SPM SPM	3	63 63		£E	Replace 'NCPs' by 'NCP' The fundamental contribitions of the various NCPs' this is repeating 'contribution' and the whole sentence is confusing - what is meant here?	NCP acronym now not used This has been completely rewritten
Unai Pascual	SPM	3	63		05	Intertundamental contributions of the Various views this is repeating contribution and the whole sentence is confusing, what is meant nere? I suggest to be more specific about what isstrumental values and explain what kind of relational values. Otherwise policy makers will not use such messages.	These terms have been removed
						A1 servy general. Can be deleted.	This has been completely rewritten

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						Even after repeated reading of this statement I'm not sure what it is supposed to mean. The most likely meaning seems to be that NCP's are what they are supposed to be, which is no	
						surprise given the fact that they are defined like that. Or is this supposed to define them? The summary is in dire need of a clear and understandable definition -and an explanation why	These terms have been removed and the masses has been semalately
Rob Bugter	SPM	,	63	,		this new term is now used and why it is different from e.g. ecosystem services- but this hardly seems an appropriate way to present one.	These terms have been removed and the message has been completely rewritten
tob bugter	JI IVI	,	0.	*************************************	0.		rewritten
The Netherlands:						this statement is unclear. The summary is in need of a clear and understandable definition -and an explanation why this new term is now used and why it is different from e.g.	The message has been completely rewritten and the NCP concept defined
Astrid Hilgers	SPM	3	63	3	3 65	ecosystem services	on page 7 and the difference to ecosystem services discussed in appendix 2
U							. , , , , , , , , , , , , , , , , , , ,
UK: Andrew Stott	SPM	3	63	3	3 65	Too much jargon for a high level summary	The message has been completely rewritten and certain terms removed
							•
Norway: Nina Vik	SPM	3	63	3	3 65	What does this mean? Unclear message	The message has been completely rewritten and certain terms removed
Finnish Government	SPM	3	63		3 65	Key message A1 is difficult to understand. Pls clarify	The message has been completely rewritten and certain terms removed
Robert Watson	SPM	3	66			Replace 'NCPs' by 'NCP'	NCP acronym now not used
Unai Pascual	SPM	3	66	5		So how are these benefits distributed differently in space? Can this be explained in terms of share/percentages of different NCP benefits?	Distributional issues are discussed in key message A3
							The phrase equal access is now used and Distributional issues are also
UK: Andrew Stott	SPM	3	66	5 :	3 67	is there an implication that should be delivered equally. Better to refer to more neutral terms 'evenly'.	discussed in key message A3
		_				l	This has been removed from this high level message and Distributional
UK: Andrew Stott	SPM SPM	3	66			Intra' is not an appropriate term for such an amorphous region as ECA as there is no political identity, or any other identity to the region	issues are discussed in key message A3
Finnish Government	SPM	3	- 66		3 6	Can anything be said about geographical inequity?	This is discussed in key message A3
Robert Watson	SPM	2	68	2		I suggest to rephrase as follows: A3. The ECA region uses more than its equitable share of renewable natural resources and it imports more NCP than it exports. There are significant differences in flows of NCP into the ECA sub-regions;	This has been rephrased here and these issues are discussed more fully in key message A4
Robert Watson	SPM	3	68		1	Outrerences in now of NCP into the ECA sub-regions; Replace "NCPs" by "NCP"	NCP acronym now not used
NODELL WELSUIT	J. 191	3	- 02	1	1		This has been rephrased here and these issues are discussed more fully in
Unai Pascual	SPM	2	68	3		Not clear what imports of NCP mean. Can we import for instance regulating NCP or non-material ones? There needs to be more specificity.	key message A4
Ondi i docadi	51.141	,		1		As for now, the idea of « its share » is a controversial claim that could be avoided here. Rather state « The ECA region uses more renewable natural resources than is produced on its	ne) message //
France	SPM	3	68	3	3 71	area ».	This has been rephrased and the word share removed
UK: Andrew Stott	SPM	3	68	3	3 68	What would ECA's 'share' of renewable natural resources be? Needs more neutral language 'uses more than it produces'	This has been rephrased and the word share removed
UK: Andrew Stott	SPM	3	68			The ECA does not function as region. Better to refer to 'as a whole the countries in the ECA area'	This has been rephrased to avoid this inference
						The figures from which this statement is derived, in lines 317-321, could have been used to provide a more tangible expression of this conclusion (ie the difference between our footprint	This has been rephrased here and these issues are discussed more fully in
UK: Vin Fleming	SPM	3	68	3	3 71	and our available bio-capacity).	key message A4
Sweden: Cecilia							
Lindblad	SPM	3	68	,		use the concept of ecological footprint for the explanation of high imports of NCP	Ecological footprint has been used
Denmark	SPM	3	68	3	69	please specify 'exports'	This phrase has been removed here
Robert Watson	SPM	3	69	-		Delete inter-regional – many readers confuse "inter" and "intra" – my suggested language ensures there is no ambiguity	These terms have been removed
Robert Watson	SPM	3	69	9		Replace 'NCPs' by 'NCP'	NCP acronym now not used
						In the idea that ECA imports more NCPs than it exports, I would find it important to say that: because of this, ECA exerts a very high pressure on many social groups in other parts of the	
Yildiz Aumeeruddy-		_				world, especially among the poorest sections of developing countries. Indeed it is a specificity of ECA to be one of the biggest consumers of NCPs at the global level and the negative	This has been rephrased here and these issues are discussed more fully in
Thomas Robert Watson	SPM SPM	3	69			impacts have to be highlighted Replace 'NCPs' by 'NCP'	key message A4 NCP acronym now not used
Harald Pauli	SPIVI	3	70	1	2 71	neplace NVPS by NVP. This given the (problably wrong) impression that Central Asia is similar to Western and Central Europe in consumption of benefits. What is obviously meant here is the biocapacity deficit.	NCP acronym now not used
riai aiu Fauii		3	/(Ί .	'	The given the production wrong impression that Central rate is similar to western and central carried in successful and central rate is similar to western and central carried in the subregion. Therefore, it may be adjusted by mentioning: "Highest ecological footprints are in Western and Central Europe, followed by Eastern Europe and	
						are lowest in Central Asia. Biocapacity, however, is also lowest in Central Asia, followed by Western and Central Europe, and is highest in East Europe, especially given the extensive	
	SPM					resources in North Asia'.	These issues are now discussed more clearly in key message A4
UK: Andrew Stott	SPM	3	70) :	3 70	"import more benefits derived from NCP" is quite impenetrable language for the lay reader	These issues are now discussed more clearly in key message A4
Belgian government -		3	71	3	71	Add: these regions are thus exploiting other regions' NCP	, , , , , , , , , , , , , , , , , , ,
Hilde Eggermont							
(IPBES National Focal							
Point)	SPM						These issues are now discussed more clearly in key message A4
						I suggest to rephrase as follows, as the second sentence is redundant with the first: A4. Biodiversity loss negatively affects nature's contributions to people from terrestrial, freshwater	
Robert Watson	SPM	3	72	2		and marine systems and destabilizes them over time	This message has been completely rewritten
Unai Pascual	SPM	3	72		1	state what are the pathways by which data suggests biodiversity loss "destabilizes" NCP, which ones? How quickly? Anything on tipping points and irreversibility?	This message has been completely rewritten
EU: Karin Zaunberger	SPM	3	72	_	74	include after to people : and decreases resilience and increases vulnerability	This message has been completely rewritten
		,			i	A4 is very general. Can be deleted	This message has been completely rewritten
	SPM	3	72				
Marie Stenseke Germany	SPM SPM	3	72 73		3 73	Why "strongly"? This is explained in the full report, but is here not well backed up.	This message has been completely rewritten
Germany Sweden: Hannah	SPM	3	73		3 73		
Germany Sweden: Hannah Östergård	SPM SPM	3 3	73	3 :	3 74	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message.	This message has been completely rewritten.
Germany Sweden: Hannah Östergård Finnish Government	SPM	3 3 3	73 73 73	3 :	3 74	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP?	This message has been completely rewritten. This message has been completely rewritten.
Germany Sweden: Hannah Östergård	SPM SPM	3 3 3 3	73	3 :	3 74	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message.	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen
Germany Sweden: Hannah Östergård Finnish Government	SPM SPM SPM	3 3 3 3	73 73 73	3 :	3 74	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people'	This message has been completely rewritten. This message has been completely rewritten.
Germany Sweden: Hannah Östergård Finnish Government Harald Pauli	SPM SPM SPM	3 3 3 3 3	73 73 73	3 :	3 74	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen
Germany Sweden: Hannah Östergård Finnish Government Harald Pauli ECA values liaison	SPM SPM SPM	3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 73 3 76	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs.
Germany Sweden: Hannah Östergård Finnish Government Harald Pauli ECA values liaison group	SPM SPM SPM SPM	3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 73 3 76	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss".	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen
Germany Sweden: Hannah Östergård Finnish Government Harald Pauli ECA values liaison group Sweden: Hannah	SPM SPM SPM SPM	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 73 3 76	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs. This message has been completely rewritten
Germany Sweden: Hannah Östergärd Finnish Government Harald Pauli ECA values liaison group weden: Hannah	SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss." Suggestion to start with status and trends in BD. Possibly key message would be easier to interpret if BD and NCPs are discussed in reverse order.	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs.
Germany Sweden: Hannah Östergård Finnish Government	SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss".	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs. This message has been completely rewritten This message has been completely rewritten
Germany Sweden: Hannah Östergärd Finnish Government Harald Pauli ECA values liaison group Wweden: Hannah	SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing: it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss." Suggestion to start with status and trends in BD. Possibly key message would be easier to interpret if BD and NCPs are discussed in reverse order. Do the subpoints B1-B6 explain in more detail of what is said above in bold or are these additional point? If the first is the case, point would need to be rearranged by shifting the more	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs. This message has been completely rewritten
Germany Sweden: Hannah Östergärd Finnish Government Harald Pauli ECA values liaison group Wweden: Hannah	SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing: it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss." Suggestion to start with status and trends in BD. Possibly key message would be easier to interpret if BD and NCPs are discussed in reverse order. Do the subpoints B1-B6 explain in more detail of what is said above in bold or are these additional point? If the first is the case, point would need to be rearranged by shifting the more	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs. This message has been completely rewritten This message has been completely rewritten The bolded text was a general statement and the points more specific key
Germany Sweden: Hannah Östergärd Finnish Government Harald Pauli ECA values liaison group weden: Hannah	SPM SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing; it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss." Suggestion to start with status and trends in BD. Possibly key message would be easier to interpret if BD and NCPs are discussed in reverse order. Do the subpoints B1-86 explain in more detail of what is said above in bold or are these additional point? If the first is the case, point would need to be rearranged by shifting the more immediate biodiversity concerns to the top; otherwise, readability suffers, because of the strong break from risks of biodiversity loss to food production and use of biodiversity products.	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise betweeen regional assessment SPMs. This message has been completely rewritten This message has been completely rewritten The bolded text was a general statement and the points more specific key messages about this statement. The structure has been retained but
Germany Sweden: Hannah Östergärd Finnish Government Harald Pauli ECA values liaison group weden: Hannah	SPM SPM SPM SPM SPM SPM	3 3 3 3 3 3 3 3 3 3 3	73 73 73	3 :	3 74 3 75 3 76 3 83	This key message is not consistent with figures in Table SPM 1. Moreover, an example of clear, interpretable message. Is the word mostly right here? When biodiversity loss would positively affect to NCP? sentence is confusing: it should obviously mean: 'Status and trends in biodiversity for nature's contributions to people' It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more straightforward way, shortened to something like "Nature's capacity to contribute to people in Europe and Central Asia has mostly declined over the past 50 years, and is expected to continue declining with current trends of biodiversity loss." Suggestion to start with status and trends in BD. Possibly key message would be easier to interpret if BD and NCPs are discussed in reverse order. Do the subpoints B1-B6 explain in more detail of what is said above in bold or are these additional point? If the first is the case, point would need to be rearranged by shifting the more	This message has been completely rewritten. This message has been completely rewritten. No, was correct. But headings were dropped to harmonise between regional assessment SPMs. This message has been completely rewritten This message has been completely rewritten The bolded text was a general statement and the points more specific key messages about this statement. The structure has been retained but biodiversity and MCPs have been split between A and B.

Belgian government - Hilde Eggermont		3	77	3	77	Change order according to tekst: Material, non-material and regulating contributions	
(IPBES National Focal							
Point)	SPM						This has been rewritten to remove mention of the NCPs
EU: Frank Wugt Larsen						Give examples of regulating, material and non-material contributions. In this high level summary you can't assume that this is widely known.	A reference in the text is now provided to Box SPM.2 where the NCP
(EEA)	SPM	3	77	1	-		categories are listed and they are defined in chapter 1
						It is unclear whether this section only look at the use of material NCP inside the ECA region or whether it also consider net import of NCP. I suspect the former in which case it should be	
						explicit and link to the statements in A3. For example, recent falls in the wild capture of seafood (fisheries?) should be seen in this context since the EU's reliance on fish imports has increased while its domestic production has fallen. (see e.g., EC, 2012. Identification and mitigation of the negative impacts of EU demand for certain commodities on biodiversity in third	
EU: Frank Wugt Larsen						countries. (DG Env No. ENV.B.2/ETU/2012/0045r). (No. ENV.B.2/ETU/2012/0045r). European Commission, Brussels.)	
(EEA)	SPM	3	77		3 83		These issues are now discussed more clearly in key message A4
UK: Diana Mortimer	SPM	3	77		3 77	It is confusing to state 'The regulating, material and non-material contributions' as it suggests to the layman there might be other contributions - sentence would be better worded as 'Nature's contributions from marine, freshwater and terrestial ecosytems to people'	The opening bold section to high level message B has been rewritten to be shorter and clearer
IIV. Diana Mantinas	SPM	2	77		2 77	There would be the a feedback couple in the About 100 per abbanish and a state of the About 100 per abbanish and a	A reference in the text is now provided to Box SPM.2 where the NCP
UK: Diana Mortimer	SPIVI	3		·	3 //	There needs to be a footnote explaining the three NCPs - otherwise people will not understand.	categories are listed and they are defined in chapter 1 A reference in the text is now provided to Box SPM.2 where the NCP
UK: Andrew Stott	SPM	3	77	, :	3 78	Better to spell out "regulating, material and non-material contributions of marine, freshwater and terrestrial ecosystems to people" at first use in a paragraph	categories are listed and they are defined in chapter 1
EU: Anne Teller	SPM	3	78		78	delete the second 'generally' at the end of the sentence	This has been removed
Thomas Brooks	SPM	3	78	: :	3 78	Replace "ecosystems" with "biodiversity". These NCPs come from genetic and species levels as well as from ecosystems.	This phrase has been removed
							was good as gooding the link between NCDs and bindings in the circumstance
							very good suggestion, the link betweeen NCPs and biodiversity (beginning of the sentence) has been removed because we have now dedicated section B
						I suggest to rephrase as follows: This is underpinned by declines in biodiversity as species and ecosystems of Europe and Central Asia are threatened and declining, with 30% of species	exlusively to biodiversity. The latter part of the sentence has been retained
Robert Watson	SPM	3	79)		that live exclusively within Europe and Central Asia (i.e., endemic) at high risk of extinction.	but edited taking this comment on board
						Unreadable sentence with a logic I can't follow	the sentence has been entirely revised and part of it is now within the
Rob Bugter	SPM	3	79	1	3 82		caption of figure SPM 5
The Netherlands: Astrid Hilgers	SPM	,	70		3 82	please clarify and rephrase.	the sentence has been entirely revised and part of it is now within the caption of figure SPM 5
Astriu migers	SPIVI	3	75	<u> </u>	3 62		Caption of figure SPIN 5
							very good suggestion, however it doesn't apply anymore here as the link
Sweden: Hannah						Replace underpinned with reinforced. Underpinned implies a positive conotation	betweeen NCPs and biodiversity has been removed because we have now
Östergård	SPM	3	79		3 79		dedicated section B exlusively to biodiversity.
			80				we have separated NCP and biodiversity into two sections which addresses
Robert Watson	SPM	3	80	1	+	Add the concept of diversity elsewhere - not reelevant for this bullet point	this comment
							The statement is "not only". At any rate, the sentence has been removed as
						the statement that biodiversity is 'not extremely diverse' in ECA is in contradiction with line 99 which states that terrestrial biodiversity is 'extremely diverse' in ECA?	value-laden, we preferred just giving the numbers rather than arguing that
EU: Anne Teller	SPM	3	80)	80		the region is extremely diverse, all IPBES regions are.
Thomas Brooks	SPM	3	80) :	3 80	Delete "not only extremely diverse, but also". They are not particularly diverse compared to tropical regions.	The whole sentence has been removed
UNEP-WCMC: The							
Biodiversity Indicators						Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	
Partnership (BIP)	SPM	3	81		8 82		Thank you
Thomas Brooks	SPM	3	81		8 82	Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	Thank you
				l .			No, it's all taxa comprehensively assessed by IUCN, at any rate the sentence
Adriano Mazziotta	SPM	3	81		3 81	Do you refer to 30% of vertebrate species here? This should be stated.	has been deleted in favour of reporting population trends.
							Not exactly, there are several migratory species that are endemic to ECA.
							We wanted to report on ECA endemics as the conservation status of these
							species is exclusively responsibility of ECA countries. That is, pressures and
							conservation actions affecting these species are under direct control of ECA
							countries, as opposed to species that cross ECA border and whose
							extinction risk and conservation efforts may be mostly a matter concerning countries outside ECA. The 30% for terrestrial species has now been
UK: Andrew Stott	SPM	3	81	.] :	3 81	Is this language intended to exclude migratory species?	replaced by a figure for all species in figure SPM 5 and associated caption.
Stuart Butchart	SPM	3	81			Important to keep this text on status and trends in extinction risk.	Thank you
							The scope of chapter 3 was Aichi target 12 and 13, which we have added to
Robert Watson	SPM	3	83	-	1	Why only mention Aichi target 12?	the key messag
							It is certainly not going to be met as there are documented extinctions (2
Germany	SPM	3	83	: :	3 83	This is a very strong deterministic statement. Under which conditions is it unlikely that this target will be met? If current trends continue? If lack of implementation of current policies?	fish species in Turkey at least). This is at odds with Aichi target 12.
EU: Karin Zaunberger	SPM	3	83			include a footnote to the Aichi Target	There is now an entire box on them.
						is this the right place to discuss Aichi Targets and the likelihood that they'll be met or not? Seems that that should be in Section D below. Also, NB that the Aichi Targets do not belong to	
	l			1		the CBD alone (so delete "Convention on Biological Diversity" here); and if Aichi Target 12 is mentioned with respect to species, Aichi Target 5 also be mentioned with respect to	
Thomas Brooks UK: Andrew Stott	SPM	3	83	1	3 83	ecosystems. Just Aichi Target 12?	their achievement is reported for ECA. Now also Aichi target 13 but moved to a separate box
UK: Andrew Stott	SPIVI	3	83	1	5 83	Just Aich Target 12? I believe the correct word is production and not use. Use conflates production and trade—so one can have significant increases in use without any change in production in ECA—so	INOW also Alcili target 13 but moved to a separate box
Robert Watson	SPM	3	84			Delives the Correct word is production and to do use. Ose contracts production and trade—so one can have significant increases in use without any change in production in ECA—so biodiversity loss is linked to production not use	The phrase provision is now used in high level message A
Robert Watson	SPM	3	84			Replace NCPs' by NCP'	NCP acronym now not used
Sweden: Cecilia						B1. Lift the last clear and important sentence up as a start in B1	
Lindblad	SPM	3	84	1	3 89		This issue is now mentioned earlier and is the focus of high level message a
Sweden: Ola Inghe	SPM		84		3 89	B1. Be mote consistent in the descripition of the trends. För example, for roundwood, the stability of the long-term trend is emphasized, while for medicinal resources a recent upsurge is lover? lempasized while nothing is said about the long-term declining trend.	These trends are now discussed more consistently in high level message B and in key message a2
Sweden. Old Highe	21,161	. 3	84	1	J 69	Nover: Jeanhaisea wine nothing is salu audut the lorig-term decining trend.	and in key message az

Robert Watson	SPM	3	8	5		This is inconsistent with the introduction, which states that biomass-based energy is increasing – which is correct	This mention of biomass based energy has been removed and biomass based energy is discussed consistently in key message A2
France	SPM	3	8	5	3 8	16 "stabilization in biomass-based energy": we doubt this conclusion, see for instance DG-ENVI-study-imports-from-US-Final-report-July-2016.pdf	This mention of biomass based energy has been removed and biomass based energy is discussed in key message A2
First Comment	SPM		8	_	2		This mention of biomass based energy has been removed and biomass
Finnish Government	SPIVI	3	8	.5	3 8	66 What comes to biomass-based energy the statement is in conflict with what is said in page 7 line 197	based energy is discussed consistently in key message A2
UK: Diana Mortimer	SPM	3	8	6	3 8	the following 'and recent increases in demains for medicinal resources associated with urban societies' doesn't make sense - what relevance to NCP are you suggesting?	This has been removed
Robert Watson	SPM		8	_			This has been removed and medicinal resources discussed in general in key
Robert Watson	SPIVI	3	8	/	+	Why only urban societies – rural societies do not use medicinal resources! What is the connection between demand for medicinal resources and urban societies? Also may need further explanation that medicinal resources are provided by wild plants and	message A1 This has been removed andword limits mean that the features of medicinal
UK: Andrew Stott	SPM	3	8	7	3 8	37 animals?	resources have to be discussed in chapter 2
Yildiz Aumeeruddy- Thomas	SPM	3	8	7		Demands for healthy food at the ECA level have also increased (Ex: Salep, orchid bulb drink putting major pressures on specific NCPs). Futhermore, medicinal resources do not necessarily come from ECA: same issue as above. May be useful to show that ECA is affecting NCPS beyond its frontiers due to this increase in demand of natural mediciçne and healthy food.	Word limits prevent a detailed discussion of these issues here but NCP and human health and dietary diversity are discussed in key message A1 and the influence of ECA on NCP in other regions is discussed in key message A4
							This sentence has been rewritten and incorporated within high level
Robert Watson Robert Watson	SPM SPM	3	8	8	-	Replace 'use' by 'production' (see previous comment) Replace 'NCPs' by 'NCP'	message A NCP acronym now not used
Robert Watson	SPM	3	9			REPLACE NUPS DV NUP Replace NUPS DV NUP Replace NUPS DV NUP	NCP acronym now not used
Harald Pauli		3	9		3 9	13 many different things packed in a short paragraph - therefore confusing, e.g. 'the use of nature as a source of existence value of biodiversity'	This has been removed and these trends are discussed more clearly in key
	SPM			_			message A2
Belgian government - Hilde Eggermont		3	90	3	94	Para B2 very hard to understand (rephrase)	
(IPBES National Focal Point)	SPM						This has been removed and these trends are discussed more clearly in key
,							The sentence has been removed and these trends are discussed more
UK: Andrew Stott	SPM	3	9	0	3 9	33 "Consumption" rather than "use"	clearly in key message A2
UK: Andrew Stott	SPM	,	q	0	,	13 Is it possible to 'use' a source of existence values?	This has been removed and these trends are discussed more clearly in key message A2
UK: Andrew Stott	SPM	3	9	-		Is 1s in possible or a source or existence values? 31 This may suggest a relationship? Better to say 'has occurred concurrently with'	The term accompanied is now not used to discuss trends
						please elaborate 'learning' - learning about what?	Word limits prevent a detailed discussion of types of learning here but this
Denmark	SPM	3	9	0		33	is covered in chapter 1 and s
Yildiz Aumeeruddy- Thomas	SPM	,		0		This has also been accompanied in increased travels beyond ECA, adding pressure on NCPS in far away destinations and sometimes jeopardizing local networks of food security (e.g.	The influence of ECA on NCP in other regions is discussed in key message A4
Inomas	SPIVI	3	9	U		induct course,	The sentence has been removed and existence values covered in key
Unai Pascual	SPM	3	9	1		I suggest not mixing "existence values" with non-material NCP. Existence values may be associated with species, landscapes, etc. but NCP are flows, not resources or assets.	message A1
UK: Mark Stevenson	SPM	3	9	1	3 9	use of nature for physical and psychological experiences and as a source of existance value' is likely to turn off many policy makers, although I think all these points are important. All of 31 this is about how people value and benefit from access to nature/biodiversity to provide physical and mental health benefits as well as a sense of being connected to the World.	The sentence has been removed and values discussed more clearly in key message A1
							The sentence has been removed and trends and ILK are discussed more
UK: Vin Fleming	SPM	3	9	2	3 9	3 I don't really understand what the second half of this sentence (has been accompanied by a decline etc) actually means – or why the decline is linked to ILKN.	clearly in key messages A1 and A2
Yildiz Aumeeruddy- Thomas	SPM	2	q	2		Do you mean linked to "decline" in local and indigenous knowledge	The sentence has been removed and ILK is discussed more clearly in key message A1
Robert Watson	SPM	4	9	-		Beplace 'InCPs' by 'NCP'	NCP acronym now not used
EU: Ole Ostermann,						Please refer to "Figure SPM 1: ECA subregions and Seas" on p.8, and spell out the ECA sub-regions which are Western Europe (WE), Central Europe (CE), Eastern Europe (EE) and Central Europe (CE) and	
JRC	SPM	4	9	5	4 9	55 Asia (CA).	mentioned sub regions and seas Sub regions are discussed in key message A2 and the reference to temporal
UK: Andrew Stott	SPM	4	9	5	4	bs Which sub regions are data available for?	data availability has been removed
Belgian government - Hilde Eggermont		4	96	4	96	Add 'natural' in front of habitat	
(IPBES National Focal Point)	SPM	1		1			This has not been done as habitat maintenance is a named NCP which is listed in Box SPM.2 and defined in chapter 1
UK: Andrew Stott	SPM	4	9	6	4 9	6 Is habitat maintenance an NCP?	yes
Harald Pauli	5014	4	9	7	4 9	7 freshwater quality': you may consider, however: 'Europe's waters are much cleaner than 25 years ago, e.g. through many years of investment in sewage systems and wastewater treatments' Ref.: https://www.eea.europa.eu/soer-2015/europe/freshwater#tab-based-on-indicators	Word limits s prevent a detailed discussion of these investment issues here
	SPM	 	1	1	+	suggest to rephrase as follows, as not all terrestrial species and ecosystems are threatened and declining: B4. Terrestrial species and ecosystems of Europe and Central Asia are	but the issue of freshwater quality is discussed in more detail in chapter 2
Robert Watson	SPM	4	9	9		extremely diverse, and some are	Thank you, now entirely reprhased, following this and other comments
						thiss entence is erroneuxs: not all species and ecosystems are theratened and declining. Add "some" between "diverse" and "theatened" and replace "and "before "declining" by "or".	The vast majority are. This is based on the EEA assessment for EU 27 and the IUCN Red List global assessment for all of ECA although only for some taxonomic group (all terrestrial vertebrates, some fish and plant groups,
Jean-Pierre Arnauduc	SPM	4	9	9	4 10	*	very few invertebrates).
Harald Pauli	SPM	4	9	9	4 9	99 change to: 'B4. Terrestrial biota and ecosystems'	We have chosen to retain the original wording in the spirit of reducing jargon
Unai Pascual	SPM	4	9	9		any sign of increase or reversing downward trend for any species, e.g., wolves, or some birds, etc. somewhere in ECA?	Indeed, just 4 lines below
						"terrestrial species are declining"> Are all terrestrial species declining and only those on the EU habitats and birds directive tend to increase in number? This is not clear and based on	The whole key message has been substantially revised. We now clarify just how many species and ecosystems have declining trends in conservation
Germany	SPM	4	9	9		0) this assessment a more precise statement would be expected for the SPM	status
Belgian government - Hilde Eggermont		4	99	4	99	Add 'including inland water' after terrestrial	
(IPBES National Focal				1			
Point)	SPM				1		There is a specific key message for freshwater and marine systems

	,						
FU: Karin Zaunberger	SPM		9	0	10	include footnotes to Habitats and Bird Directives	We had to some up the CII dispating from the task on this parter and in
EU: Karin Zaunberger	SPINI	4	9	-		blue statement that terrestrial biodiversity is 'extremely diverse' in ECA is in contradiction with line 80 which states that biodiversity is 'not extremely diverse' in ECA?	We had to remove the EU directives from the text so this no longer applies Agreed, and it has been removed
Thomas Brooks	SPM	4	9			In estatement trans terrestrial biodiversity is extremely olverse in ECA is in contradiction with line BO which states that biodiversity is not extremely diverse. This is not the case compared to the tropics, i.e. compared to other three IPBES regions.	See comment just above
THORIAS BLOOKS	3F IVI	4	,	,	4 3	as above, delete: Extremely unlessey, 1 mis is not decase compared to the tropics, i.e. compared to the other little rate regions. Terrestrial species and ecosystems of Europe and Central Asia" should say "Terrestrial species and ecosystems within Europe and Central Asia" - 'of' may suggest some sort of regional	see comment just above
UK: Andrew Stott	SPM	4	9	9	4 10	identify	Removed the geographical attribution as it is implicit that are within ECA
OK. AMOREW STOLE	51111				1 10	outing —	We now clarify what we mean by threatened in message B1 and the
							caption of figure SPM 5. We adopt the term consistently, i.e. threatened
UK: Andrew Stott	SPM	4	9	9 4	4 10	Threatened' may need clarification for the lay reader - this is a reference to 'threatened status'	with extinction, across all key messages in section B
						Are all species and ecosystems declining? For which species and ecosystems is there sufficient information to draw this conclusion? Over what timescale has a decline been observed?	We now report on just how many are declining for all 3 key messages, and
UK: Andrew Stott	SPM	4	9	9 4	4 10	This suggests an overall decline, but there must also be some increases, and for many trends are unknown.	for both species and habitats
UK: Andrew Stott	SPM	4	9	9 4	4 10	Only target 12? Target 5?	This was in section C, but now in a separate box
							We don't think there is any contradiction, we just say that not all species are
							declining, the first sentence states that overall there is a biodiversity decline,
							but is not universal. In the last sentence we clarify which habitats or species
UK: Andrew Stott	SPM	4	9	9 4	4 10	Final point about species listed in the HD and BD having improved conservation status is at odds with first sentence in this paragraph about declines	are fairing better, and why
						B4 and B5 are structured differently. B5 refers to pressures and recovery, B4 does not refer to pressures, only vaguely 'threatened'. But pressures should be discussed in the following	
UK: Andrew Stott	SPM	4	9	9 4	4 11	section C.	We now have given the same structure to B4,B5, B6, now renamed to B1,2,3
Sweden: Hannah		_	_	_		Elaborate as below, to what extent has status improved, there is also lots of negative trends even though target is being met	
Östergård	SPM	4	9	9 .	4 10		Now supported with all relevant quantitative figure (key message B3)
Thomas Brooks	SPM		10	٥	4 10	As above, NB that the Aichi Targets do not belong to the CBD alone (so delete "Convention on Biological Diversity" here); and if Aichi Target 12 is mentioned with respect to species, Aich Target 5 also be mentioned with respect to ecosystems.	Good point, and it has been taken on board throghout the SPM
	SPM	4	10			largers also be mentioned with respect to ecosystems. Suggest to Annape to 'However, some species and habitats benefitted from conservation'	It has been entirely rewritten
naraiu Pauli	SPIVI	4	10	1 '	4 10	suggest to change to nowever, some species and nabitats benefitted from conservation	it has been entirely rewritten
							Coal Cof the Charlesia Diagrams and the mission of the CDD to "tole
							Goal C of the Strategic Plan encapsulates the mission of the CBD to "take effective and urgent action to halt the loss of biodiversity in order to ensure
							that by 2020 ecosystems are resilient and continue to provide essential
						Okay so target 12 will not be met but neither, from pages 29-33, will several others. Not sure why this target alone gets such prominence in the high level summary (in bold in line 83) but	
						accept and recognise the target won't be met. A paragraph in the high level summary summarising progress across all the targets might be useful (ie to note that most won't be met. A)	mission. Targets under section A and B are means to an end, and targets in
UK: Vin Fleming	SPM	4	10	1 4	4 10	some will) rather than a selective referral to a few in the summary.	D are enabling actions, but those in C are really summarizing the goal.
Belgian government -		4	102	4	102	should be more nuanced! we quote from mid term review of the EU biodiversity strategy, add: "The latest report on the state of nature in the EU shows that the number of species and	Thanks for pointing out, we have now given the full picture here despite the
Hilde Eggermont		-		1		habitats in secure/favourable or improved conservation status has increased slightly since the 2010 baseline. However, many habitats and species that were already in unfavourable	word limitation. The chapter give mure more in-depth and nuanced
(IPBES National Focal						status remain so, and some are deteriorating further. "see http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52015DC0478; further more, this only applies to EU countries and	information and we refer the reader to the relevant section for an-indepth
Point)	SPM					not to the others from ECA.	analysis of progress towards EU targets
UNEP-WCMC: The							
Biodiversity Indicators						Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	
Partnership (BIP)	SPM	4	10	3	4 10	26.44% of Important Bird & Biodiversity Areas)" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	We have a full paragraph on this in section C
						Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	
Thomas Brooks	SPM	4	10	3	4 10	26.44% of Important Bird & Biodiversity Areas)" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	We have a full paragraph on this in section C
						It's not clear what "conservation" refers to here. Delete - unnecessary.	The Habitat Directive talks about conservation status, not status, and we
Thomas Brooks	SPM	4	10	3	4 10	3	wanted to reflect the same language
						Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	
Stuart Butchart	SPM	4	10	3	1	26.44% of Important Bird & Biodiversity Areas)" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	We have a full paragraph on this in section C
Belgian government -		4	104	4	104	Add 'natural' in front of habitat	
Hilde Eggermont							
(IPBES National Focal Point)	SPM						corrected
Point)	SPIVI			+	+	Please harmonise text between B5 and C, otherwise priorities are not clear. If "Land use change and climate change are the main direct drivers that adversely affect biodiversity and	***************************************
						rease naminises text between 55 and C, our ewise principles are not clear. It can use change and uninear change are the main uncert divides and adversely affect brought and the contributions to people", then this should correspond to 85 ("Unsustainable fishing, habitat degradation, invasive alien species, eutrophication and climate change have	
EU: Ole Ostermann,	Ì			1	1	nature's contributions to people, then this should correspond to be \(\text{Unsixtainabe instinig}\) about a contribution to have a contribution of the \(\text{Uniform}\) the about a contribution and climate change have increased exponentially during the 20th century causing further widespread declines in marine tolersity, changes in species distribution, and homogenization of biological	
IRC	SPM	л	10-	4	4 12	increased exponentially during the Zott causing further widespread declines in marine biodiversity, changes in species distribution, and normogenization of biological communities."). Land Use change needs to appear in B sa well.	These messages were rewritten and contents harmonised.
3.10	371	-	10	' '	12	Climate warming is obvious but neither climate change neither eutrophication has increased exponentially during the 20th century. There has been varying rates of change all along the	mese messages were rewritten and contents narmonised.
France	SPM	4	10	4	4 10	Lamace waiting is obvious our inettine time change change an along time 20th century. There has been varying faces of change an along time 20th century and beyond, included periods exhibiting temporary temperature decrease.	Agreed. This has been changed completely.
	SPM	4	10	-	1	Can we really justify "exponentially" rather than "significantly"? Suggest to replace exponentially by significantly.	Agreed. This has been changed completely.
	SPM	4	10		1	Further tha what? – I suggest deleting further	Agreed. This has been changed completely.
	SPM	4	10		4 10	suggest to change: 'during the 20th century and the recent decades, causing'	Agreed. This has been changed completely.
Harald Pauli	SPM	4	10	7		I'm not sure if the Black Sea is a good example for exceptions from negative trends, cf.: https://www.eea.europa.eu/soer-2015/countries/black-sea	This has been specified.
						Are all three aspects recovering, i.e., declines in biodiversity, changes in species disctribution, and homogenization of biological communites – please be specific what you mean by	
Robert Watson	SPM	4	10	8	1	recovery	This has been specified.
				1	1		not according to the scoping document of this is assessemnt, approved by
				1	1		the plenary, I quote "The overall scope of the regional/subregional
				1	1		assessments is to assess the status and trends
				1	1		regarding biodiversity and ecosystem services and their interlinkages, the
				1	1	the regional assessment is not mandated to conlude, analyse and assess neither the CBD nor SDG targets. The aichi-targets will be assessed including the National reports and in GBO5.	impact of biodiversity and
	Ì			1	1	Delete sentense	ecosystem services and threats to them on human well-being and the
	Ì			1	1		effectiveness of responses, including
				1	1		the Strategic Plan for Biodiversity 2011–2020 and its Aichi Biodiversity
				1	1		Targets and the national
D	5014	l .			1		biodiversity strategies and action plans developed under the Convention on Biological Diversity"
Denmark	SPM	4	10		11	Seath whele oping	
	SPM	4	10			For the whole region?	This has been changed and specified.
Thomas Brooks	JF IVI	4	11	UĮ .	+ [11	It's not clear what "conservation" refers to here. Delete - unnecessary.	This has been changed.

					_		
Robert Watson	SPM	4	112			Link this sentecnce to sepecific Aichi and SDG targets	This has been changed and relatiosn to SDG/ABT specified in a box.
						B6 needs to be significantly rewritten – the main message should be that freshwater systems are highly degraded and species are in terrible shape (see section B6 later) – the fact that	
						CBD target 5 may be met is almost irrelevant compared to the fact that most freshwater systems are not achieving conservation status and most species are threatened – please note the	
Dala and Market	co					degraded status in this paragraph and quantify the % of fish with known population trends that are threatened – please see my comemnbts later on B6 (e.g., 70% of fish with good data	Thank you for the constructive comment. We have substantially rewritten
Robert Watson	SPM	4	113	-	1	have declining populations)	the key message to reflect this and other comments.
							To all and for the state of the
							To all non-freshwater habitats, we have slightly revised, without explicitly mentioning other habitats as we think is clear than saying the most
Germany	SPM	4	113		1 113	Compared to what?	threatened, implies a comparison with everything else in ECA.
Belgian government -	SFIVI	4	113	4	120	Compares to winds	direatened, implies a comparison with everything eise in ECA.
Hilde Eggermont		4	113	-	120	abo para siroutu aiso say soriiettiilig about tile colliservation status of riestiwater riabitats and species	
(IPBES National Focal							That's what it does. It has now been also revised and expanded with
Point)	SPM						additional numerical figures, see B2
UK: Andrew Stott	SPM	4	113	. 4	1 120	Ensure consistent terminology - use 'habitats' in B6 but 'ecosystems' in e.g. B4	Now habitats throughoug
							We refer to the chapter for specific examples, but divide by wetlands and
UK: Andrew Stott	SPM	4	113	. 4	4 120	Need to describe what species and ecosytems are threatened by, not just say they are threatened	everything else here.
UK: Andrew Stott	SPM	4	113	4	4 120	least well-monitored seems like a gross oversimplification	Yet true.
UK: Andrew Stott	SPM	4	113	4	4 120	What are the regional targets? Are there any other than EU and national targets?	Now eliminated
UK: Andrew Stott	SPM	4	113	4	4 120	Target 5 mentioned here - why not mentioned in paras B4 and B5?	It has now been moved in a separate box, together wih all other Aichi targets
							It's exactly how many species have unknown population trends, we know
	SPM	4	114		<u> </u>	76% and 83% are very precise numbers given poor monitoring	well what we don't know
	SPM	4	116			The prognosis is "negative" in which way?	Now removed
	SPM	4	116		120	same rationale as previous. Delete both sentences.	Done
Robert Watson	SPM	4	117			Be specific – which Aichi targets	We referred to 12 here, but now removed from this key message
1				1	1		
	SPM	4	117	'		What is meant by halving the rate of habitat loss for freshwater systems – I understand the concept for wetlands and mires, but not rivers and lakes – please rephrase or be more specific	
EU: Frank Wugt Larsen						Unclear how this conclusion is reached. See page 98 of EEA, 2015, State of Nature Report 2015 for status of species and habitats associated with rivers and lakes.	there was an error in calculation, now rectified thanks to double-checking
	SPM	4	117	4	4 120	oli i i i i i i i i i i i i i i i i i i	with the State of Nature report.
	SPM	4	118	4		Only on track to be met by the EU countries, or also other countries in the sub-regions defined in the IPBES ECA assessment, such as Norway, Switzerland and others?	Only the EU
Belgian government -		4	120	4	120	this last fact is confusing as it talks about CBD SP obj 5 on halving the rate of habitat loss and gives as a response a protection status or a UE regulation; more info on the positive effects	
Hilde Eggermont						of these on freshwater biodiversity and on the % of fresh water habitats covered by positive conservation measure should then be given (it does not appear page 19 either).	
(IPBES National Focal							
i onicj	SPM						See response at line 316
	SPM	4	122	4	129	this section does not give a good and complete overview of the drivers; some specific one are pointed out (migration) and many others are completely missing (agriculture, urbanisation,	This has been substantially improved. Now land use change is emphasised
Hilde Eggermont						the use of pesticides, consumption patterns, unsustainable production, tourism)	and we have tried to say something about each direct and indirect driver.
(IPBES National Focal Point)							
	SPM	4	122		129	also include natural resource extraction, pollution and IAS in the bold text as in C1 lines 130-133	We have included these drivers now
	SPM	4	122	c	155	assome include inactural resource extraction, poliurour and is a first the court extra as in CI intest 300-133. The extent and role of urban areas on hosting and impacting nature and its contributions has changed in Europe and Central Asia, and will even more in the future. This is not reflected.	Urban areas are now mentioned under C1.
EO. IVIAI CO FIITZ	SFIVI	4	122	,	133	The extent and one of upon aleas on nosing and impacting nature and its continuous has changed in Europe and central Asia, and will even more in the rotate. This is not renected byte in section C.	orban areas are now mentioned under C1.
ECA values liaison	SPM	4	122	1	129	It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more	Yes, this has been re-worded
group	5				123	straightforward way, shortened to something like "Human activities drive the loss of biodiversity in Europe and Central Asia. The way in which its loss continues will depend on how well	res, this has been re worded
8.000						the drivers and their interactions are understood and managed".	
UK: Andrew Stott	SPM	4	122	4	129	Are these comments about decision making in the right place? Should be covered in section D?	Which comments? Here we assess existing policies because they are
UK: Andrew Stott	SPM	4	122	4	129	Are these comments about decision making in the right place? Should be covered in section D?	Which comments? Here we assess existing policies becausen they are institutional drivers
		4	122	4			institutional drivers
UK: Andrew Stott	SPM SPM SPM	4 4		4	129	Are these comments about decision making in the right place? Should be covered in section D? Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the	institutional drivers Has been changed
UK: Andrew Stott	SPM	4 4 4	122	4		Final sentence in this paragraph doesn't make sense	institutional drivers Has been changed
UK: Andrew Stott : Robert Watson :	SPM	4 4 4	122	4		Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the	institutional drivers Has been changed
UK: Andrew Stott : Robert Watson :	SPM SPM	4 4 4	122 123	4	129	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions — I am surprised if climate change has been one of the two main drivers to date — certainly not the case in the UK. Please clarify	institutional drivers Has been changed Has been changed
UK: Andrew Stott Robert Watson Germany	SPM SPM	4 4 4 4 4 4	122 123	4	129	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant,
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont	SPM SPM SPM	4 4 4 4 4 4	122 123 123	4 4	129	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most?	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region.
UK: Andrew Stott Robert Watson Germany Belgian government -	SPM SPM SPM	4 4 4 4	122 123 123	4	129	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most?	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region.
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont	SPM SPM SPM	4 4 4	122 123 123	4	129	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most?	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region.
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks	SPM SPM SPM SPM	4 4 4	122 123 123 123	4 4 4	129 123 123	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123.	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer	SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4	122 123 123 123 123	4 4 4 4 4	129 123 123 123 130 130	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions — I am surprised if climate change has been one of the two main drivers to date — certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative.	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4 4	122 123 123 123 123 123 123 123	4 4 4 4 4 4	129 123 123	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? line 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. it also makes the reading very repetative. The identification of the main drivers are not clear, in the title 2 main drivers and in the text 5 main direct drivers.	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky	SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4	122 123 123 123 123	4 4 4 4 4	129 123 123 123 130 130	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions — I am surprised if climate change has been one of the two main drivers to date — certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative.	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed C3 and C4 deal with economic and institutional drivers mainly but also
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UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky Robert Watson	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	122 123 123 123 123 123 123 123 125	4 4 4 4 4	129 123 123 123 130 130	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resource extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative. The identification of the main drivers are not clear, in the title 2 main drivers and in the text 5 main direct drivers. Please list the key indirect drivers – decision-makers need to know the indirect drivers: interacting indirect drivers (demographic, economic, socio-political, technological and cultural). One could consider the main drivers such as land use and climate change in decision making, but if we speak of comprehensive combinations of drivers and their interactions, research is very often not yet at the point, were decisions could be made upon. Large degrees of uncertainty remain, which should not deter from taking measures, but it very much calls for the need of filling the gaps. These even exist for the status and trends for many diverse and functionally important organism groups (e.g. arthropod groups), where experts are often unavailable (and even less a targeted financial support). Similar is the case for the maintenance of monitoring systems of biodiversity changes, e.g. for climate change impacts wher	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed Ga and C4 deal with economic and institutional drivers mainly but also cultural drivers (awareness of ecosystem degradation and the belief in economic growth). Our assessment of science and technology and demographic drivers are summarised in the new table.
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UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky Robert Watson Harald Pauli	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4 4 4	123 123 123 123 123 123 123 125	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	129 123 123 123 130 130 130	Is this sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions — I am surprised if climate change has been one of the two main drivers to date — certainly not the case in the U.K. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative. The identification of the main drivers are not clear, in the title 2 main drivers and in the text 5 main direct drivers. Please list the key indirect drivers — decision-makers need to know the indirect drivers: interacting indirect drivers (demographic, economic, socio-political, technological and cultural). One could consider the main drivers such as land use and climate change in decision making, but if we speak of comprehensive combinations of drivers and their interactions, research is very often not yet at the point, were decisions could be made upon. Large degrees of uncertainty remain, which should not deter from taking measures, but it very much calls for the need of filling the gaps. These even exist for the status and trends for many diverse and functionally important organism groups (e.g. arthropod groups), where experts are often unavailable (and even less a targeted financial support). Similar is the case for the maintenance of monitoring systems of biodiversity changes, e.g. for climate change impacts w	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed Ga and C4 deal with economic and institutional drivers mainly but also cultural drivers (awareness of ecosystem degradation and the belief in economic growth). Our assessment of science and technology and demographic drivers are summarised in the new table. We have identified research data gaps separately.
UK: Andrew Stott Robert Watson Germany Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky Robert Watson Harald Pauli Sweden: Ceciliia	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	122 123 123 123 123 123 123 123 125	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	129 123 123 123 130 130	Final sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions – I am surprised if climate change has been one of the two main drivers to date – certainly not the case in the UK. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity? Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resource extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative. The identification of the main drivers are not clear, in the title 2 main drivers and in the text 5 main direct drivers. Please list the key indirect drivers – decision-makers need to know the indirect drivers: interacting indirect drivers (demographic, economic, socio-political, technological and cultural). One could consider the main drivers such as land use and climate change in decision making, but if we speak of comprehensive combinations of drivers and their interactions, research is very often not yet at the point, were decisions could be made upon. Large degrees of uncertainty remain, which should not deter from taking measures, but it very much calls for the need of filling the gaps. These even exist for the status and trends for many diverse and functionally important organism groups (e.g. arthropod groups), where experts are often unavailable (and even less a targeted financial support). Similar is the case for the maintenance of monitoring systems of biodiversity changes, e.g. for climate change impacts wher	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed Ga and C4 deal with economic and institutional drivers mainly but also cultural drivers (awareness of ecosystem degradation and the belief in economic growth). Our assessment of science and technology and demographic drivers are summarised in the new table.
UK: Andrew Stott Robert Watson Germany Belgian government - Hilde Eggermont (IPBES National Focal Point) Thomas Brooks UK: Diana Mortimer Ruslan Novitsky Robert Watson Harald Pauli Sweden: Cecilia Lindblad	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	123 123 123 123 123 123 123 125	4 4 4 4 4 4 4	129 123 123 123 130 130 130	Is this sentence in this paragraph doesn't make sense Is this sentence refering to historical, present day or projected contributions — I am surprised if climate change has been one of the two main drivers to date — certainly not the case in the U.K. Please clarify In the paragraph further below, LUC, Climate change, natural resource extraction, pollution and IAS are referred to as main drivers. Are they listed in terms of their current impact on Biodiversity Does this sentence here then imply that LUC and CC are the ones impacting ecosystem services and biodiversity most? Iline 123 should be aligned with line 130 and add "natural resources extraction, pollution, and invasive alien species". Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 123. The first paragraph in this section starting line 123 seems to be contradicted by the paragraph strarting on line 130. It also makes the reading very repetative. The identification of the main drivers are not clear, in the title 2 main drivers and in the text 5 main direct drivers. Please list the key indirect drivers — decision-makers need to know the indirect drivers: interacting indirect drivers (demographic, economic, socio-political, technological and cultural). One could consider the main drivers such as land use and climate change in decision making, but if we speak of comprehensive combinations of drivers and their interactions, research is very often not yet at the point, were decisions could be made upon. Large degrees of uncertainty remain, which should not deter from taking measures, but it very much calls for the need of filling the gaps. These even exist for the status and trends for many diverse and functionally important organism groups (e.g. arthropod groups), where experts are often unavailable (and even less a targeted financial support). Similar is the case for the maintenance of monitoring systems of biodiversity changes, e.g. for climate change impacts w	institutional drivers Has been changed Has been changed We have deleted this and avoid saying which direct driver is most significant, because this depends on context and sub-region. Has been done in new C3 Yes, see new C3 Has been changed Has been changed C3 and C4 deal with economic and institutional drivers mainly but also cultural drivers (awareness of ecosystem degradation and the belief in economic growth). Our assessment of science and technology and demographic drivers are summarised in the new table. We have identified research data gaps separately.

Robert Watson	SPM	4	128			Replace 'NCPs' by 'NCP'	ОК
	SPM	4	129			replace incers by inc. The text keeps filp flopping about with the use of NCP and natures contricutions to people – please use one or another not both, especially in the same sentence.	OK OK
	SPM	4	130			What about ocean axcidification for marine systems?	We did not include this as a direct driver, instead it has been discussed as an
							impact from climate change (see new C2)
	SPM	4	130			to what extent there are confidence levels for the impact of say, climate change?	has been added (see new C2)
EU: Markus Erhard (EEA)	SPM	4	130	4	132	Propose to add 'including intensification' as mentioned below (page 21 line 567 pp) to be more explicit in the message	has been added (see new C1)
Marie Stenseke	SPM	4	130			C4. The drivers mentioned are stated to be the main direct drivers, but they seems more to be a categorisation of drivers since they are broad and covers most potential drivers. Specify or reformulate.	Yes, this has been re-worded
UK: Andrew Stott	SPM	4	130	4	133	Better to say that climate change interacts with other drivers - perhaps it does not accelerate in all cases?	Yes, this has been re-worded
Yildiz Aumeeruddy- Thomas	SPM	4	130			What about agriculture with high levels of chemical inputs? If what I know is correct, Europe (Germany is the first industry at the global level of agricultural chemicals) is a major exporter of anthropogenic assets (chemical inputs for agriculture, that may have a negative impact on NCPs beyond ECA. This is a major driver which is known to have already major impacts on	Yes, this is the meaning of intensification in C1, has been expanded.
						pollination.	
	SPM	4	132			Climate change is of particular importance: Historically, present day or in the future?	In the future, see new C2
	SPM	4	132		133	Climate change accelerates, interacts and exacerbates other drivers such as	Yes, this has been re-worded
		4	132	4	132	Delete "is of particular importance since it" unless there is explicit evidence for this. The fact that it accelerates other drivers does not make it "of particular importance" per se.	Yes, this has been re-worded
Zsolt Molnár	SPM	4	132	4	133	Not only climate change but as written in several places in the assessment, at present mostly land-use change is responsible for many changes in BD and NCPs, and it has many indirect effects. The suggested text: Climate change and land-use change are of particular importance	Yes, this has been re-worded
Sweden: Cecilia Lindblad	SPM	4	133	4	133	There is also a combination effect caused by interctions between the main direct drivers.	Yes, interactions and delays play an important role, see new C3. Text on interaction among drivers was shortened.
	SPM	4	134	1		what are these institutional drivers? Too general statement. Are these policies, markets? Values/norms? Land property rights?	This has been expanded in the new KM C1-4. We giove examples of
							institutional drivers (regulations) and awareness as well as the belief in economic growth (cultural drivers)
Germany	SPM	4	134	4	134	Why explicitly mentioning traditional land use? What about commercial/intensive agriculture?	New text focuses on intensification
	SPM	5	136	5	138	suggest to separate 'Armed conflicts exacerbate the marginalisation of people and damage on nature.' from 'C2.' and combine it with 'C3', otherwise, C3 would be a bit stand-alone	We have a totally new structure now
						and the link to biodiversity is not easy to grasp. Further, other important reasons for continued migration, such as 'global economy and market praxices leading, to unequality of economic wealth' should be added here.	·
UK: Diana Mortimer	SPM	5	136	5	137	The sentence 'armed conflicton nature.' needs work - yes conflict marginalises people but I'm guessing you mean their interaction with NCP and damage to nature from conflict is not always the case - conflict can mean anthropogenic impacts are decreased.	Yes, this has been re-worded
Zsolt Molnár	SPM	5	136	5	136	aways use tase - committed in mean antimopogenic impacts are decreased. Traditional land use is rapidly disappearing in the Eastern new member states of the European Union, this should also be included. The suggested text: especially in Central European EU member states. Eastern European and Central Asia	It is disappearing in all ECA region
EU: Karin Zaunberger	SPM		137			member states, Eastern Europe and Central Asia include after admage on nature: jeopordising livelihoods	Changed to: Eastern Europe, the Balkans and Central Asia have recently
LO. Kariii Zauriberger	31 141		137			metade arter damage on nature, jeoparasing inventious	experienced armed conflicts, which negatively affect nature and its contributions to people [4.5.4.2].
Robert Watson	SPM	c	138			I suggest to rephrase as follows: C3. Large-scale human migration within the ECA region is expected to continue impacting all indirect and direct drivers.	Agree, this is in the Executive Summary of the Chapter. For space reasons
Robert Watson	SFIVI	3	130			r suggest to replinase as follows. Cs. Large-scale numan inigration, within the ECA region is expected to continue impacting anniunect and unect univers.	we did not include anything on demographic drivers in the SPM.
Brendan Coolsaet	SPM	5	138	5	138	Unclear how migration contributes to biodiversity loss. Add a sentence explaining the relationship	We have done this in the Executive Summary. In the SPM we deleted this
Unai Pascual	SPM	-	138		-	It is important to be able to connect (causality or correlation) the drivers with biodivesity or/and NCP. Statign that migration is increasing and likely to continue increasing does not	discussion We have included conclusions for demographic drivers in the Executive
Offal Pascual	SPIVI	5	130			to simply and to be able to connect (causality of correlation) the diversional bloowesty of and note. Statight that migration is increasing and interprotection increasing does not suggest any specific impact over biodiv or NCP. These type of statement needs to be more specific. e.g., also what kind of migration, refugees? economic migrants? intraEU migration flows?	Summary. In the SPM we deleted this discussion
Germany	SPM	5	138	5	138	here is a break in the logical flow of the text. Obviously, elements discussed in chapter 5 are presented in the following but this needs to be introduced and explained.	We have a totally new structure now
Germany	SPM	5	138	5	138	Key message C3 is not a stand-alone message as the links to biodiversity and NCPs are missing here. Please be more specific about migration flows and in particular its impacts on biodiversity and ecosystem services. Out-migration of people might even be beneficial for biodiversity.	We have included conclusions for demographic drivers in the Executive Summary. In the SPM we deleted this discussion
Belgian government -	SPM	5	138	5	138	Unclear how migration contributes to biodiversity loss. Add a sentence explaining the relationship	We have included conclusions for demographic drivers in the Executive
Hilde Eggermont (IPBES National Focal Point)							Summary. In the SPM we deleted this discussion
	SPM	5	138	5	138	Is the migration mentioned the one of human populations?	Yes
EU: Anne Teller	SPM	5	138		138	add 'population' in front of 'migration' to clarify the type of migration referred to (cf.)	We have included conclusions for demographic drivers in the Executive Summary. In the SPM we deleted this discussion
EU: Markus Erhard	SPM	5	138		138	migration of whom or what? Is it related to people or to species?	Summary. In the SPM we deleted this discussion people
(CCF)	SPM	5	138			C3 is not relate to the topic of the assessent. Reformulate or delete	We have included conclusions for demographic drivers in the Executive Summary. In the SPM we deleted this discussion
WWF Norway	SPM	5	138	5	138	This needs further specification. Large migration of people? And is it in general or will it mostly be in specific parts of the region?	We have included conclusions for demographic drivers in the Executive
France	SPM	5	138	5	138	This high level message should be fleshed out since the link between this statement and biodiversity and ecosystem services issues is missing at the moment.	Summary. In the SPM we deleted this discussion We have included conclusions for demographic drivers in the Executive
UK: Andrew Stott	SPM	5	138	5	138	In what way is migration relevant?	Summary. In the SPM we deleted this discussion We have included conclusions for demographic drivers in the Executive
				<u> </u>			Summary. In the SPM we deleted this discussion
	SPM	5	138	5	138	C3 probably refers to migration of humans?	yes
Ruslan Novitsky	SPM	5	138	5	138	The migration as a process must be estimated more carefully and related with subregional problems. In the WE - Africa, in EE - migration from CA and China. Also work migration have a place from Ukraine and Moldova to Russia and Belarus and so on.	We have included conclusions for demographic drivers in the Executive Summary. In the SPM we deleted this discussion
	SPM	5	139			What do you mean by linear?	no recycling. Has been changed
	SPM	5	139	5	139	Linear resource extraction' should be a bit more specified	has been changed
Unai Pascual	SPM	5	139			Not clear what resource efficiency refers to. Suggest to be more specific and avoid jargon. Also, how is green fiscal policies affecting biody or NCP. Stating that low env. taxes has a impact does not explain what is the connection. Env taxes may mean lots of different things, e.g., over private water cosnumption, production of industrial waste, etc. can this be more specific?	Has been substantially elaborated in new C3 and C4.

Germany	SPM	r	120	l c	140	Akis is a supposed and actions in inhibited and action to the control of the cont	For mining this is Central Asia, see new C3
	SPM	5	139	5	140	this is a very general and not very insightful statement; maybe the regions which are the largest affected by resource extraction could be identified? include after linear resource extraction: leading to overexploitation and pollution	Yes, this has been re-worded. The connection between extraction and
EO. Kariii Zauriberger	51 141	,	133			include sites intended to the country to over Expiritation and positions	pollution is made clear in the Executive Summary but not in the SPM.
UK: Andrew Stott	SPM	5	139	5	140	Explain what you mean by linear resource extraction	Yes, this has been re-worded.
	SPM	5	139	5	140	This seems quite a blanket statement and it is also value laden.	Yes, this has been re-worded.
	SPM	5	139	5	140	the sentence need specify subregionally oriented reflection. Linear using more tipical for the EE and CA.	Yes, this has been re-worded.
Robert Watson	SPM	5	141			It is the impact that can be masked by trade – not the depletion. Suggest to rephrase as follows: C5. The impact of the depletion of natural resources and the loss of biodiversity on nature's contributions to people	Yes, this has been re-worded.
	SPM	5	141	5	154	Are the terms 'nature' and 'biodiversity' being used interchangably? - consistency or an explanation of the different usage is needed.	Yes, this has been re-worded.
	SPM	5	141	5	143	Should use more neutral language. 'may not be apparent'	"masking feedbacks" is commonly used in the reviewed literature.
	SPM	5	141	5	143	Use a more neutral statement than 'impeding' e.g. 'lack of'	"masking feedbacks" is commonly used in the reviewed literature.
	SPM	5	141	5	143	Seems to over simplify instutional responses - many institutions (trade bodies) are set up for this purpose. Needs a much more neutral analysis.	This has been elaborated to: Demand for fish in the European Union causes fishing above sustainable yield limits, which is masked by increased fish imports. Depletion of local mineral reserves and fish stocks is not immediately apparent due to global trade, which delays effective responses. While awareness of local resource shortages, e.g. of cod in Europe, would be expected to be prompted by increased prices, substitution masks these feedbacks in price and awareness in a global economy with inter-regional imports (established but incomplete) {4.2.5, 4.3.1, 4.4.1}.
Belgian government - Hilde Eggermont (IPBES National Focal		5	144	5	151	replace the first notion of 'nature' by 'biodiversity'	
Point)	SPM		ļ	1	1		Nature is the agreed IPBES term
France	SPM	5	144		5 146	Cumulative impacts could also be mentionned here. Provided this is consistent with the report, we suggest to add at the end of the sentence « (e.g. pollution) that may significantly aggravate their impacts. ».	Added as suggested
							The few studies that we reviewed that took into account drivers of pollution or IAS generally had detrimental effects on biodiversity. Hence, we imply that the fact that these drivers are under-studied in the literature means
UK: Andrew Stott Jeroen Arends	SPM SPM	5	144 146			Do you have the evidence to say that they have been under estimated? There is also a lack of data on possible drivers of changes	that impacts are likely to be underestimated
Jeroen Arenas	SPIVI	5	146	:	5 146	I nere is also a lack or data on possible drivers or changes	This comment is unclear, and so we are unable to respond to it
Unai Pascual	SPM	5	147	,		this is evident. Different development pathways will always have different impact on biody. Can this be stated with some more detail?	The detail is given in the non-boided text. The SPM has been restructured so that the boided message is no longer separated from this detail. This has been expanded to provide detail on which elements of the different development paths lead to which impacts
Sweden: Hannah Östergård	SPM	5	147	, .	5 148	to inspecific	The detail is given in the non-bolded text. The SPM has been restructured so that the bolded message is no longer separated from this detail.
Ruslan Novitsky	SPM	5	147	, :	5 149	The comment to general and in the current edition have not a sence. Probabli it is needed to specify, or another case - delete.	The detail is given in the non-bolded text. The SPM has been restructured so that the bolded message is no longer separated from this detail.
Robert Watson	SPM	5	148	3		This is one of the few places where good quality of life is mentioned – we need the issue of good quality of life discussed in more detail – all the discussion has focused on NCP	Good quality of life is discussed much more in the new structure for the SPM, particularly in section A
Robert Watson	SPM	5	150)		None of the plausible futures for Europe and Central Asia are without trade-offs between nature and different nature's contributions to people and good quality of life	Sentence no longer exists in new SPM
Robert Watson	SPM	5	150)		Too general – neeed some specifics	The detail is given in the non-bolded text. The SPM has been restructured so that the bolded message is no longer separated from this detail. The message on trade-offs has also been rewritten in the new SPM.
Desire Novike	5014		450				The detail is given in the non-bolded text. The SPM has been restructured so that the bolded message is no longer separated from this detail.
Ruslan Novitsky	SPM	5	150	, :	154	the point of view must be more strong and clear whitten down. The collaboration between countries must be identified via mechanism of transboundary and pan-european cooperation	on. Examples of trade-offs are given as well as types of collabortion/cooperation We meant choices in how society develops in the future. We have
UK: Diana Mortimer	SPM	5	152		5 152	societal development choices' why use 'development' here?	reewritten the key message to avoid this term
Robert Watson	SPM	5	156	i		A great section on policies and governance – but what about technologies, practices and behaviour – this section must address these three issues	The target of polices and policy instruments is to change/have an impact on practices and behaviour. Technology can either be seen as a driver to change or a method to achive change. It is thus included in policy options and opportunities for mainstreming and policy integration.
Unai Pascual	SPM	_	156	;		All the policy options seem rather vague and thus unlikely to be of much use for policy makers.	The text has been substantially revised to be more precise and useful
r ascaul		1	130		1	An title pointy upon seem ratine range and united to the region these messages might fail to stimulate action by policy makers. While all these key messages are correct, they are very generic and hence less tangible. Without examples or links to the region these messages might fail to stimulate action by policy while all these key messages are correct, they are very generic and hence less tangible.	The key messages has been substantially revised to be more precise and userul The key messages has been substantially revised and linked to the region
Germany	SPM	5	156	5 5		makers.	with specific examples.
Belgian government - Hilde Eggermont		5	156	5	156	add "biodiversity and" after "supporting": Options for policy, governance and management in supporting Biodiversity and nature's contributions to people	
(IPBES National Focal Point)	SPM	1			1		The text has been substantially revised and edited.
	SPM		156		6 101	Section D: The development, use and integration of ecosystem-based approaches into policies is not reflected yet as an option for using nature's benefits for people.	The text has been substantially revised and edited. EBA is only one of many approaches dealt with in the chapter. We have developed a section based on the need for adaptive and transition management which are key to any of these approaches.

						It is probably not necessary to introduce the message separately to stating the message. These could be combined and, in order to make the point more immediately and in a more	
ECA values liaison						straightforward way, shortened to something like "Policies and policy instruments are not yet being implemented effectively and innovatively enough to reverse the loss of biodiversity in	Thank you for the comment. The text has been substantially revised to take
group	SPM	5	156	i	5 160	Europe and Central Asia".	this into consideration
						The options suggested here remain very general and even vague. It is difficult to see how they can reverse the trend of biodiversity loss observed in the ECA region as noted in this SPM.	
						We face here one of the limits of the IPBES assessment work: while the finding is clear, the means that could lead to a more sustainable balance between human and nature in the ECA	
						region are not clearly identified and no qualitative or quantitative objective is given for decision-makers' consideration. It is difficult at this stage to see whether this report will be really	
						useful in guiding public decision-making. It would be desirable that, in the final version, part D, on options, is strengthened.	
						Note: This comment refers to the current status of this part in the SPM high-level summary. Part D of the background information text is much more developed and contains text and	Thank you , the text has now been substantially revised to be more precise
France	SPM	5	156	;	6 181	draft tables which, once finalized, should be very useful.	and useful for policy-makers.
Belgian government -		5	157	5	160	The bold section only refers to existing policies; no reference to possibly new (innovative) approaches. Overall, this section does not give a clear idea of options that could be applied	
Hilde Eggermont						(section not well formulated for policy makers)	
(IPBES National Focal							We have developed a section where we highlight the need for adaptive
Point)	SPM						management or transition management which is key to achive change.
Thomas Brooks	SPM	5	157		5 157	Change "not been able to" to "reduced but not yet been able to".	Text has been revised
UK: Andrew Stott	SPM	5	157			Is it the governance, or actions taken by governments?	The text has been revised.
OK. 7 III GI CW Stote	5. 141		13,		100	in the government of details taken by governments.	The text has been revised.
							The task, in accordance with the scoping documents, is to assess th current
Robert Watson	SPM	-	158			Why is this limited to existing policies and instruments – what about new policies and instruments?	state of the art. We have included innovative solutions when possible.
Kobert Watson	SPIVI	5	158	1		wny is this limited to existing policies and instruments – what about new policies and instruments?	state of the art. We have included innovative solutions when possible.
							Decided the control of the control o
i_		1				This seems to be a very important point. So it is mainly an issue of policy implementation rather than a lack of (effective) policies to adress causes of biodiversity loss? Is this an outcome	Based on the many international conventions we think that the policies are
Germany	SPM	5	158	1	5 159	of chap. 6?	in place, however they need to be implemented more effectively.
Robert Watson	SPM	5	159	4	_	Delete "further" we have not made any real progess tom date, so further is innappropriate	Text has been revised
						« with innovative governance solution » seems to contradict D3. As it is said in D3, « legal and policy instruments are the backbone of policy mixes » and they are traditional, not	Thank you, the text has been substantiallay revised to take these aspects
France	SPM	5	159			innovative. Some caution is required in recommending innovative solutions when the backbone should first be strengthen.	into consideration.
Germany	SPM	5	161		5 169	for some countries this message will be far too general, e.g. western EU countries; whereas for Eastern countries, this may be important to know.	Thank you the text has been substantiallay revised.
UK: Andrew Stott	SPM	5	161		5 162	Do you have the evidence to say that proactive policies and governance strategies based on target-setting are more effective than reactive strategies?	The text has been revised and confidence language is included
Denmark	SPM	5	161		162	Please provide examples of 'policy instruments'	The text has been revised to include examples.
		_					Mainstreaming is a specific method, similar to gender mainstreaming, used
Anna-Rosa Asikainen	SPM	5	163		5 163	Mainstreming is important not only in different policy sectors but also among general public. This could be mentioned.	to integrated biodiveristy into policy sectors.
The Netherlands:						Section D2: If the main objective of this paragraph is to look at 'how nature relates to sectors', that is not clear from the text right now. It seems to be strongly biased from an ecological	
Astrid Hilgers	SPM	5	163		5 164	point of view.	The text has been substantially revised and clarified.
ristria ringers	5. 141		100		3 101	Message D2 could be sharper. We suggest to highlight this other sentence from the background information (page 35 lines 824-826): "By mainstreaming biodiversity into sectoral	Thank you for the comment, we have substantially revised the message wt
France	SPM	_	163		164	strategies, plans and programmes, the crucial role of biodiversity for human well-being is recognised and resources may be used more sustainably."	this in mind.
riance	3FIVI	,	103	1	3 104	so designes, plans and programmers, the cucian role of industrials of the programmers of the programmers, and the programmers, the cucian role of industrials of the programmers of the	Tank you for the comment. Since the assessment builds upon scientfic
						foster support for protecting and restoring nature through the demonstration of all the related material and non-material benefits. The assessment of Nature contributions to people at	litterature and so called grey litterature we have tried to include as many
						all scale could be proposed as one way to explore the paths for mainstreaming biodiversity in other sectoral policies. Such initiative are under way in the region with the MAES initiative	innovative solutions as possible. But we have not been able to assess
France	SPM	5	163		5 164	of the European commission.	solutions that are "under way"
						The observation on importance of well-designed and context-specific mixes of policy instrument for sustainable governance of NCP is highly relevant. On the other hand, only regulatory	
						instruments are recognized as crucial ones. What about economic and information instruments in the context of smart-regulation and environmental governance as an overarching	
						paradigm? There are some evidences (e.g. EU Timber Regulation vs. forest certification) where soft laws and voluntary initiatives contribute (at least) as much as legally-binding	The text has been substantally revised to identify the importance of policy
Mersudin Avdibegović	SPM	5	165	i	5 169	instruments (laws, regulations etc.) in solving of specific problems (in this case sustainable forest management and combating illegal logging)	mixes.
UK: Diana Mortimer	SPM	5	165		5 167	This sentence needs reworking - it's too wordy and I don't think you mean 'sustainable governance'.	The text has ben substantially revised
UK: Andrew Stott	SPM	5	165		5 169	Should also refer to voluntary and market-led approaches	These approaches are now included.
							Sustainable governance and associated indicators is a well known term to
							measure each country's ability to respond to current social and political
Finnish Government	SPM	5	165		5 166	what is sustainable governance?	challenges.
Ruslan Novitsky	SPM	5	165			to general comment. It must be spacify and increased on subregional level if are the differences.	The text has been substantially revised and specified.
Sweden: Cecilia			103	1	- 105		specifically revised and specifical
Lindblad	SPM	_	167		5 168	Sentence " Legal and regulatory instruments are the backbone of policy mixes" should be in the first row in para D3	The text has been substantially revised.
Lindbiau	21, IAI	5	16/	1	2 108		THE TEXT HAS DEEN SUBSTAINTIANY FEVISED.
]				the time and district the admits of all in terms and a six and a s	We also had a week a more than a least
						what is needed is that the adoption of policy instruments are in timely manner followed up by organizational units with sufficient resources and mandates in order to ensure compliance	
					_	In short, policy instruments should be followed up by an institutional and regulatory framework.	such as effectiveness, effeciency and equity. This will also include the
Jeroen Arends	SPM	5	169	4	5 169		evaluation of the measures (policy instruments) to achive e.g. effectiveness.
							The text has been substantially revised and clarified to explain the role of
UK: Andrew Stott	SPM	5	170		5 173	What do you mean by "wide range of actors is increasingly integrated into governance processes"	actors
							Thank you for the comment, we have substantially revised the text to clarify
Finnish Government	SPM	5	172	1	5 173	add: and processes then adapted based on evaluation	the role of mainstreaming processes.
Georgia: Salome							
Nozadze	SPM	6	168	:	6 170	The sentence is not clear to understand completely	The text has been substantially revised and specified.
UK: Diana Mortimer	SPM	6	174	1		This can be written more clearly and needs to be less prescriptive - eg the word 'without' could be replaced.	The text has been substantially revised and specified.
Sweden: Hannah				1			
Östergård	SPM	6	174		6 176	inspecific	The text has been substantially revised and specified.
Ruslan Novitsky	SPM	6	174	1	0 1/0	C8 explain the close mechanisms for cooperation between countries, so it must be more clead devided or joint	This message has been deleted in the final version of the SPM.
nusian novilsky	21, IAI	ь	1/4	1	U 1/b	co explain the crose meaning for cooperation between continues, so it must be more dead devided of joint	mis message has been deleted in the IIIIdi Version of the SPIVI.
Cormany	SPM	_	175		6 175	What are examples of inequative governance approaches, how can innevation in governance by ctimulated?	Examples and how they can be stimulated are new mentioned in the text
Germany	SPIVI	6	1/5	1	0 1/5	What are examples of innovative governance approaches, how can innovation in governance be stimulated?	Examples and how they can be stimulated are now mentioned in the text.
]					We think that this is an important aspect, however the text has been
Finnish Government	SPM	6	175		6 175	delete innovative (not nessessarily)	substantially revised to further explain the need to stimulate change.
	1	1					Rewritten to avoid this term. Written in terms of actions that can be taken
UK: Diana Mortimer	SPM		177			Do you mean 'governance options' or 'policy options'?	to move towards a sustainable future

	1						
Ruslan Novitsky	SPM	6	177	6	181	too general, it must be oriented on a more specify audience of decision makers, or precify potencial branch of them	The detail is given in the non-bolded text. The SPM has been restructured so that the bolded message is no longer separated from this detail. Examples of actions are given that should be useful to decision-makers.
							NCP are underpinned by biodiversity, but there are many different types of NCP. A strong focus on material NCP, such as food production, can result in trade-offs with other NCP (e.g. regulating NCP) or biodiversity due to limited
							land resource availability or land management practices focused on specific NCP. Examples of such trade-offs from the literature are given in the non-
Germany	SPM	6	178	7	178	It is incomprehensible how a trade-off between biodiversity and NCP is possible, since NCP is part of the biodiversity. More details need to be given.	bolded text in the new SPM structure
Germany	SPM	6	178	6		While scenarios are very helpful tools when decisions under uncertainty need to be taken they do have limits and might not per se avoid path dependencies and mal-adaptive situations. They definitely can play a role but most likely they need to be combined with other tools in order to make informed choices.	We agree with the reviewer that scenarios and pathway studies are only one tool of many that can help inform choices. They help to reveal possible path dependencies and mal-adaptive siuations, but avoiding these is dependent on actions taken and many other limiting or integrating factors that are not included in such studies. Hence, they can only act as a guide.
						Perhaps something about the lack of knowledge on NCP within policy and decision makers and that education, training and awareness raising on NCP at all levels of governance is required?	illustrates the needs for education and awareness raising. It is the most
Jeroen Arends Sweden: Cecilia Lindblad	SPM	6	181	6	181	Introduction should start with a short "The aim of this assessment" with text from Ch 1 Setting the scene.	successful group of actions in meeting policy goals similar to the SDGs. The introduction has been mostly removed with only the geography of the region retained
Lindbiad	31 IVI	 ' 	102	- 1		suggest a very significant rewrite of the introduction, removing all assessment conclusions from the introduction – it makes very repetitive reading to see the same text three times – in	regionretained
Robert Watson	SPM	7	183			the in the high-level summary, the introduction and in the supporting text. Make it a true intoduction and road map for the rest of the SPM.	Done. This text has been removed
André Mader	SPM	7	183	9	247	The 2nd, 3rd, and 5th paragraphs of the introduction are all comprehensively covered under key message sections, and therefore probably redundant here. Perhaps more could be said about the structure of the SPM here, including the context of the high-level messages and how they were chosen.	Done. This text has been removed
			183			This section is not so much an introduction, but rather a summary of conclusions? It should instead provide some background to the purpose of the assessment, its scope, its geography,	
UK: Andrew Stott	SPM	/	183	9		its methods etc. Very important to retain consistency with IPBES definition of "biodiversity", which includes "ecosystems"	The introduction is now limited to introducing the region (geography)
						(http://www.ipbes.net/sites/default/files/downloads/IPBESINF_2_Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145). Therefore, delete "and ecosystems" (line 184), "and ecosystem" (line 188), and "and ecosystem integrity" (line 189), and change "ecosystem management" to "management of nature"	
Thomas Brooks	SPM	7	184	7		(or "management of biodiversity) (line 193).	Done. This text has been removed
France	SPM	7	184	7		Those statements are conclusive and not introductive as they should be	Text has been removed
UK: Andrew Stott	SPM	7	184	7	186	"continuing to decline in Europe and Central Asia at an unacceptable rate" is a value judgement. Unacceptable to whom?	Text has been removed
Norway: Nina Vik	SPM	7	184	7	101	Consider use of the following words: "unacceptable", "recognize the potential benefits" and "thus decision-makers and other decision-makers have opportunities". I realize that this is an introduction, but are the chosen words based on facts? The sentences are a bit general/vague	Text has been removed
Robert Watson	SPM	7	185	- 1	151	Unacceptable is a judgement call that goes beyond the remit of us circumstast - largest *significant*	Text has been removed
Germany	SPM	7	185	7	185	"unacceptable". This is judgemental. Please describe the intensity of the decline differently	Text has been removed
EU: Karin Zaunberger	SPM	7	185			include at an unprecedented and unacceptable rate	Text has been removed
France	SPM	7	185	7	185	"at an unacceptable rate". What would be an acceptable rate? Definition?	Text has been removed
France	SPM	7	185	9	247	The consequences of loss of biodiversity are presented only from the perspective of the NCPs, which is very reductive and very anthropocentric. It would be useful to discuss the consequences of these biodiversity losses on the long-term functioning of ecosystems and the evolutionary fate of species ("non-humans") in the introduction.	The introduction has largely been removed (except for the description of the region), and these points are picked up in the main body of the text (key messages)
UK: Mark Stevenson	SPM	7	185	7	185	Suggest avoid value judgements ('unacceptable') and replace with objective comparators. i.e. what are the implications of the current rate of decline - how is it affecting people?	Text has been removed
Robert Watson	SPM	7	186			The sentence as written suggests non of the targets will be met – so is it some/most/or all	Text has been removed
Germany UK: Andrew Stott	SPM SPM	7	186 186	7		This contradict the table, which presents progress for many Aichi targets. The SDGs are not explicitely assessed in this table. There this statement might unsufficiently backed up. All Aichi and SDGs won't be met?	The text and the table have been removed Text has been removed
UK: Andrew Stott	SPM	7	186	7		There is no 'regional ambition' to meet these targets. There are only EU and national level ambitions.	Text has been removed
Sweden: Cecilia						Sentence "The Aichi biodiversity targets and the BD SDG will not be met in the ECA region" should be in A p. 3 as an A5	
Lindblad	SPM	7	186	7	187		Agreed and done
Denmark	25M	7	186	-	187	as a concequense Delete sentense. The regional assessment is not mandated to do this analysis	Done. This text has been removed The introductory text has been removed, with these points covered
Robert Watson	SPM	7	187			Be more specific, give some examples to deshow how biodiversity and ecosystems contribute to specific SDGs	elsewhere in the document
EU: Anne Teller	SPM	7	187		187	add 'by 2020' after 'region' at the end of the sentence (since most SDGs are for 2030)	Text has been removed
						If the first sentences of the paragraph are moved in Conclusion, replace « will probably not be met » by « may not be met » as the latter suggests there remain possibilities to meet them,	
France Harald Pauli	SPM SPM	7	187 188	7		which is also what is suggested in the SPM. suggest to skip 'potential'	Text has been removed Done. This text has been removed
Robert Watson	SPM	7	188	/		Suggest to skip potential believe this should read Governments and other decision-makers	Text has been removed Text has been removed
Jeroen Arends	SPM	7	189	7		The line should be corrected.	Text has been removed
EU: Anne Teller	SPM	7	189			what does 'decision-makers and other decision-makers' means?	Text has been removed
France	SPM	7	189	7		there is a mistake in the repetition of "decision-makers". Do you mean "decision-makers and other stakeholders"?	Text has been removed
UK: Diana Mortimer	SPM	7	189	7	190	Decision makers and decision makers?	Text has been removed
							The introduction has largely been removed (except for the description of the region), and these points are picked up in the main body of the text (key
Robert Watson France	SPM SPM	7	190 191	-	101	I suggest to rephrase as follows:have opportunities to mitigate the negative impacts of the loss of biodiversity and to realise the positive effects "the regional" could be the first sentence of the introduction	messages) Text has been removed
UK: Diana Mortimer	SPM	7	191	7		the regional could be the first sentence of the introduction Not sure how the assessment can change the past. 'present 'might be better worded 'current'. Not sure how the assessment can change the past. 'present 'might be better worded 'current'.	Text has been removed Text has been removed
Robert Watson	SPM	7	192	1		Replace for by from in for the past	Text has been removed
						· · · · · · · · · · · · · · · · · · ·	

F							
EU: Anne Teller	SPM	7	194		195	could you explain what you mean by 'incorporating concepts such as ecosystem goods and services within a broader conceptual framework', what are the consequences for policy makers	Text has been removed
EO. Aime Teller	51 101	,	134		155	These sentences do not read as a logical chain: "there have been increases in material contributions of nature such as food production, aquaculture and biomass-based energy,	Text has been removed
EU: Ole Ostermann,						stabilization in roundwood and cotton production and even falls in the wild capture of seafood. However, these changes have had significant negative impacts on biodiversity". The	
JRC	SPM	7	196	7	7 199	part on "and even falls in the wild capture of seafood" y have been added later and disturbs the logic. Please rephrase.	Text has been removed
OIL. / III di CW Stott	SPM	7	196			This seems to present a summary of findings rather than an introduction?	Text has been removed
	SPM	7	196		7 198	This does not provide a neutral presentation, it adds the author's values. Should just be factual ie "decrease" rather than "falls in"	Text has been removed
	SPM	7	197			This is inconsistent with the high level summary, which states that biomass-based energy is stabilized not increasing	Text has been removed
Marie Stenseke	SPM	7	197		198	rephrase the passage about falls, eg. "but also falls	Text has been removed
		_			-	Even though some human actions have negative impacts on biodiversity, many of those actions also benefit nature. E.g. agriculture is needed in order to maintain some rare habitat	
Anna-Rosa Asikainen	SPM	/	198	· /	/ 199	types and their species. In addition, sustainable forest management can contribute to climate change mitigation. In general, these positive impacts should be mentioned in SPM and in the assessment report more often.	The benefits of food production and agroecosystems have been referred to
EU: Anne Teller	SPM	7	198			the assessment report more orten. does wild capture of seafood' means essentially fishing as opposed to 'aquaculture'? Many terms used in this SPM are disconnected for policy-making!	in the document key messages Text has been removed
LO. Allile Tellel	3F IVI		150	1		Does with capture or searous means essentially resident and searous resolutions and searous means and	Text has been removed
France	SPM	7	198	. 7	7 198	introduction), as done in the rest of the SPM, to avoid unfortunate copy-pasting of messages.	Text has been removed
						This is odd to start the sentence with "however", which seems negative, though the stabilization in roundwood and cotton production and the falls of wild capture of seafood would	
						have positive impacts on biodiversity, one would think. The sentence about significant negative impacts would therefore be relevant only for the increase of NCP such as food,	
						aquaculture and biomass-energy. Is that correct? If so, both sentences should be reworded. If stabilization for wood and cotton, and falls of wild capture of seafoud have also negative	The text has been removed, but these issues are addressed elsewhere in the
France	SPM	7	198	7	7 199	impacts, you should explain better as this is counter-intuitive.	key messages of the document
UK: Andrew Stott	SPM	7	198	7	7 199	"these changes" are not the only factors. This also implies that decreasing wild capture of seafood has negative impacts on biodiversity and other NCPs	Text has been removed
Finnish Government	SPM	7	198	7	7 198	not all changes, such as fall in the capture of seafood, have had negative impact	Text has been removed
							Text has been removed, and these issues covered elsewhere in the key
Robert Watson	SPM	7	199	1		The following text ignores the impact of increasing material contributions on regulating contributions – please add text	messages of the document
Yorick Reyjol	SPM	7	201		203	Not clear	text has been removed
WWF Norway	SPM	7	201			The abbreviation IKLP should be introduced after "indigenous and local practices", since it appears several times throughout the SPM without further definition.	ILKP replaced by ILK and now defined in the main body of the document
Adriano Mazziotta	SPM	7	201	. 7	7 203	But these subregions have also the largest reservoir of wild nature.	text has been removed
						The SPM says somewhere else that Eastern Europe is also where biodiversity was less degraded. If they have the lowest levels of health and well-being, it could hint that unsustainable	
						use of biodiversity and ecosystem services underpin a good quality of life. To avoid risky	
F	5014	_	204	_	202	correlations, could you briefly add here why there are lower levels of health and well-being in those regions? Is it because of the "geographic differences in economic development and	
France UK: Diana Mortimer	SPM	/	201 201	/		governance" mentionned lines 211-213? The link between health / well being and NCP - you have evidence? Surely other factors are also a play?	Agreed and the text has now been removed text has now been removed
	SPM	7	201			The fine between reality we men and were you have evidence; sorely other factors are also a play? Unevenly rather than unequality Unevenly rather than unequality	text has now been removed
	SPM	7	201			Clearity if the low level of health and wellbeing in CA and EE is related to NCP. If not, rephrase or delete.	text has now been removed
Walle Stellseke	31 141		202		203	There should be an explanation of how health and subjective wellbeing is related to NCP. E.g., "There is evidence for positive 262 relations between material and non-material NCPs	text has now been removed
WWF Norway	SPM	7	202		7 203	and health (well established)", from line 262 - 263	text has now been removed
Sweden: Hannah				<u> </u>			
Östergård	SPM	7	202	. 7	7 203	is the poorer health and subjective well-being really associated with NCP or a result of other socio-economic factors	text has now been removed
Graciela Rusch	SPM	7	202		202	Explain briefly how health and subjective well-being are related to nature.	text has now been removed
						What is meant by levels of health – also poor health in parts of ECA cannot be soley or even largely attributed to loff of biodiversity – there are many factors that adveresly impact on	
Robert Watson	SPM	7	203			health	text has now been removed
						Without defining subjective I would delete it – again, biodiversitry and NCP are only a modest contributors to wellbeing in ECA – we are overstating the importance of biodiversity anf	
Robert Watson	SPM	7	203			NCP – it is being taken out of context.	Deleted as proposed
	SPM	7	203			what does 'subjective well-being' means?	text has now been removed
Robert Watson	SPM SPM	7	204			List what the four hotspots are!!!	text has now been removed
Germany	SPIVI		204	, ,	/ 204	What are the 4 biodiversity hotspots, which are hosted in ECA and how many are there in total globally?	text has now been removed
EU: Markus Erhard (EEA)	SPM	7	204		7 205	It might be useful to mention the location of the biodiversity hotspots	text has now been removed
	SPM	7	204			If there are only 4, these hotspots could be mentionned	text has now been removed text has now been removed
	SPM	7	204			"unique fauna". Is this a numbiguous scientific term?	text has now been removed
	SPM	7	204			Language of 'host' is not appropriate for an arbitrary area such as ECA. Simply say 4 hotspots occur within the area.	text has now been removed
	SPM	7	205			What does 'selected' mean	text has now been removed
	SPM	7	205	7	7 205	you may specify which 'selected animal and plant groups'	text has now been removed
	SPM	7	205			30% of species': that is to say 30% of the 25% mentionned the sentence before?	text has now been removed
UNEP-WCMC: The				1			
Biodiversity Indicators							
Partnership (BIP)	SPM	7	205	7	7 205	Add "species within" to read "ca. 25% of species within selected animal and plant groups", surely?	text has now been removed
EU: Ole Ostermann,						Please replace "However" by "Moreover".	
JRC	SPM	7	205	7	7 205	The second of th	text has now been removed
Thomas Brooks	SPM	7	205			Add "species within" to read "ca. 25% of species within selected animal and plant groups", surely?	text has now been removed
UK: Andrew Stott	SPM	7	205	7	7 206	Does species living exclusively in ECA therefore exclude migratory species?	text has now been removed
	1	_					text has now been removed, and these issues covered elsewhere in the key
IIIC Manda Character		7	205	7	/ 206	High risk of extinction. Can this be signposted to the evidence. And is this based on the IUCN Global assessment, or on regional assessments.	messages
UK: Mark Stevenson	SPM	·					
	SPM						
UNEP-WCMC: The	SPM					Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	Those data have been retained, but are new covered elsewhere in the
UNEP-WCMC: The Biodiversity Indicators	5. W	7	300		7 200	Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	These data have been retained, but are now covered elsewhere in the
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	7	206	i 7	7 206		document
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP) Thomas Brooks	SPM SPM	7 7	206		7 206	Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	document As above
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP) Thomas Brooks Denmark	SPM	7 7 7			7 206 208		document

	1	_			1		
UNEP-WCMC: The							
Biodiversity Indicators						Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	
	SPM	7	208	7	7 208	Add a settleme along the lines or inforced and acad cover only a finite more timal a quarter or interests and in ECA's key bloodwestry areas (specifically, 57.3% or Alianice for Zero Extinction sites and 26.44% of Important Bird & Biodiversity Areas)* based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	These issues are now covered elsewhere in the document
r drenersnip (bir)	51.141		200		200	Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	These issues are now covered eigenvere in the document
Thomas Brooks	SPM	7	208	7	208	26.44% of Important Bird & Biodiversity Areas)" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	As above
	SPM	7	208	7		"many types of habitats decrease" is very vague. This statement should be further specified. What's the estimated % of other types of habitats that decline?	Text has now been removed
						Add a sentence along the lines of "Protected areas cover only a little more than a quarter of the ECA's key biodiversity areas (specifically, 37.5% of Alliance for Zero Extinction sites and	
Stuart Butchart	SPM	7	208			26.44% of Important Bird & Biodiversity Areas)" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	As above
Thomas Brooks	SPM	7	209	7	209	It's not clear what "conservation" refers to here. Delete - unnecessary.	Done. This text has been removed
	SPM	_		_		something about the geographical context: "Often countries in these regions share a coming natural border in the forms of rivers, lakes, mountain ranges, etc. but often lack a joined	
Jeroen Arends	SPIVI		210	/	210	transboundary or cross border management of these areas" There must be also great differences in the amount and quality of available literature on biodiversity and ecosystems. It should be mentionned, and it should be explained how it has	Not clear what this comment is asking for.
France	SPM	7	211	7	217	There must be also great universities in the amount and quanty of available literature on biodiversity and ecosystems. It should be inertionned, and it should be explained how it has been dealt with.	This is discussed extensively in the full technical report, and in the 'knowledge gaps' box of the SPM
	SPM	7	211	7		Decen users with. It would be useful to describe what some of these differences are in the introductory section - and avoid mixing with the conclusions of the assessment	text has now been removed
	SPM	7	213	7		There is not necessarily a direct link between land management intensity and oppulation	text has now been removed
EU: Anne Teller	SPM	7	214	8		Avoid repetition of 'Moreover' at the beginning of sentences	text has now been removed
Finnish Government	SPM	7	214	7	215	please name the 4 subregions	These are given in the SPM box describing the region
Robert Watson	SPM	7	215			This is the first tiem sub-regions have been mentioned in the introduction, so please list them and refer to figure SPM 1 – I cannot see where it is referred to in the text	This is now covered in the SPM box describng the region
						In general in this part of the report, could something more about the context be added such as "how historical and current (uncontrolled) urban sprawl, illegal settlements, industry,	
						transport, etc. led to pollution and habitat fragmentation causing loss and damages to biodiversity and ecosystems and seriously affected NCP?"	The effects of these drivers are covered in the key messges part of the
Jeroen Arends	SPM	7	217	7	7 217		document
						The extent of the NE Atlantic isn't clear. The island groups in the Atlantic should also be named. There should be a reference to an annex which lists the countries in each sub-region. It would also be useful to include a physical map of the region - and to name the adjacent regions.	A map, and list of countries in the sub-regions is now included in a box
UK: Andrew Stott	SPM	8	219	8	219	it would also be useful to include a physical map of the region - and to harne the adjacent regions.	describing the region
Finnish Government	SPM	8	219	8		no reference to Figure SPM 1 in the text	Corrected
Tilliisii Governinelle	SI IVI		217		, 213	no receive to right of will in the text	text has been removed, but the point is covered elsewhere in the SPM key
Robert Watson	SPM	8	221			I suggest to rephrase as follows: Moreover, Europe and Central Asia have a large influence and depend strongly on the rest of the world.	messages
		_				We are not sure that the impact is mostly explained by trade on commodity markets. Indeed the ecological footprint is also supposed to capture the surface required to compensate the	
						GES emissions. For France, an expertise concluded that the ecological footprint and its variations were mostly driven by this component and we presume this extends to the region. If this	
						is the case, this figure is not accurate to support the claim and should be changed.	
						See:	
						CGDD, 2010. Une expertise de l'empreinte écologique. Études et documents n°16, janvier 2010 : http://www.statistiques.developpement-	This text has now been removed, and the issues is covered more
France	SPM	8	221	8		durable.gouv.fr/fileadmin/documents/Produits_editoriaux/Publications/Etudes_et_documents/2010/etudes_documentsN16.pdf	comprehensively elsewhere in the SPM key messages
Norway: Nina Vik	SPM	8	221	8	221	What is meant by "a large influence"? In all matters?	text has been removed
		_		_		"These influences arise from inter-regional material flows via global commodity markets (food, fibre and other goods) that displace impacts on biodiversity and ecosystems from Europe	
UK: Andrew Stott	SPM	8	222	8	3 224	and Central Asia to other parts of the world." - This should not be stated as an assertion, but rather as the conclusion from assessment of the evidence.	text has been removed
Yorick Reviol	SPM	0	223		224	Very important point; I would insist on this from a historical and socio-economic point of view by adding Figures/Tables	The text has been removed, but these issues are addressed elsewhere in the key messages of the document
EU: Ole Ostermann,	SPIVI	8	223		224		The text has been removed, but these issues are addressed elsewhere in the
IRC	SPM	8	223		3 223	global commodity markets (food, fibre , please add "feed".	key messages of the document
inc	SI IVI		223	,	223	Very important to retain consistency with IPBES definition of "biodiversity", which includes "ecosystems"	key messages of the document
						(http://www.ipbes.net/sites/default/files/downloads/IPBES 2 INF 2 Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145).	
Thomas Brooks	SPM	8	223	8	232	Therefore, delete "and ecosystems" twice (lines 223-224 and lines 231-232).	Definitions have been checked throughout the document
							The text has been removd, but these issues are addressed elsewhere in the
Germany	SPM	8	224	8	224	Briefly explain what the ecological footprint encompases	key messages of the document, including a definition of ecological footprint
						As an example of the region's impact overseas, I find the primary usage of the Ecological Footprint in this context a little bit strange (specifically: "The region's ecological footprint in 2011	
						was 3.8 global hectares per person, while its biocapacity was only 2.9 global hectares".) Firstly, without additional information it is not clear whether this is due to an exceedence of intra-	
1						regional biocapacity (which is technically possible to have if local biocapacity is lower than the EF) or a dependence on the biocapacity of other regions (via trade; which is what is	
						inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the	
						inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual	
						Inferred.) It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity	
IIV. Chris West	SDM.		22.4		225	inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occurring - as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall	The text has been removed from the introduction, but the issue is treated
UK: Chris West	SPM	8	224	8	3 226	Inferred.) It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity	The text has been removed from the introduction, but the issue is treated more comprehensively elsewhere in the SPM key messages
UK: Chris West	SPM	8	224		3 226	inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occurring - as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall	more comprehensively elsewhere in the SPM key messages
		8		8		inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time.	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are
France	SPM SPM	8 8	225	8	225	inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occurring - as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed
France	SPM	8 8 8			225	inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a 'fair share' analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time.	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are
France	SPM		225	8 8 8	3 225 3 225	Inferred.). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity"	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message
France Norway: Jørund Braa	SPM SPM	8 8 8	225 225	8 8 8	3 225 3 225	inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -as complex mix of different land types (some of which like agricultural and can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of " biocapacity" Following from above, the next sentence says "Imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more
France Norway: Jørund Braa	SPM SPM		225 225	8 8 8	3 225 3 225	Inferred.). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity" Following from above, the next sentence says "Imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity?	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more
France Norway: Jørund Braa	SPM SPM	8 8 8	225 225	8 8 8	3 225 3 225 3 226	inferred), it is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity" Following from above, the next sentence says "Imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity?? Is this a positive or negative effect on consumption patterns? As it stands its vague. Arguably Europe is more 'environmentally aware' than most other regions of the world, although	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages
France Norway: Jørund Braa UK: Chris West	SPM SPM SPM	8 8 8 8	225 225 226	8 8 8 8	3 225 3 225 3 226	Inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -as complex mix of different land types (some of which like agricultural and can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity" Following from above, the next sentence says "imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity? Is this a positive or negative effect on consumption patterns? As it stands its vague. Arguably Europe is more 'environmentally aware' than most other regions of the world, although cleary the manifestation of this is not necessarily reduced impact I couldn't find the corresponding section of the main report that this statement was based upon, but more detail is warranted here I think.	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more
France Norway: Jørund Braa UK: Chris West	SPM SPM SPM	8 8 8 8	225 225 226	8 8 8 8	3 225 3 225 3 226	Inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -a scomplex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity" Following from above, the next sentence says "imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity?? Is this a positive or negative effect on consumption patterns? As it stands its vague. Arguably Europe is more 'environmentally aware' than most other regions of the world, although cleary the manifestation of this is not necessarily reduced impact I couldn't find the corresponding section of the main report that this statement was based upon, but more detail is	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages
France Norway: Jørund Braa UK: Chris West UK: Chris West Robert Watson	SPM SPM SPM SPM SPM	8 8 8 8	225 225 226 226 228	8 8 8	3 225 8 225 3 226 3 228	inferred), it is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring- as complex mix of different land types (some of which like agricultural land can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of " biocapacity" Following from above, the next sentence says "Imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity? Is this a positive or negative effect on consumption patterns? As it stands its vague. Arguably Europe is more 'environmentally aware' than most other regions of the world, although cleary the manifestation of this is not necessarily reduced impact I couldn't find the corresponding section of the main report that this statement was based upon, but more detail is warranted here I think. Text comes across as very colonial	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more
France Norway: Jørund Braa UK: Chris West UK: Chris West Robert Watson UK: Diana Mortimer	SPM SPM SPM SPM	8 8 8 8	225 225 226	8 8 8 8 8	3 225 8 225 3 226 3 228	Inferred). It is probably a mix of both. (Having checked the main chapter for this information it is also not really described; rather a "fair share" analogy is used without detailing the potential for the deficit to be driven by local or transboundary drivers.) Secondly, the EF is not particularly good proxy for biodiversity impact; especially without further contextual information of the type of consumption/production activity that is occuring -as complex mix of different land types (some of which like agricultural and can be increased in biocapacity via intensive agriculture with likely negative impacts on biodiversity). Finally, just quoting 2011 EF outside of any temporal information gives no impression on whether the overall exceedance of biocapacity is increasing or decreasing over time. Add a reference for the figures on the ecological footprint There should be a definition of "biocapacity" Following from above, the next sentence says "imports also lead to" inferring that the Ecological Footprint stats relates only to imports, but my sense is that it also includes local exceedance of biocapacity? Is this a positive or negative effect on consumption patterns? As it stands its vague. Arguably Europe is more 'environmentally aware' than most other regions of the world, although cleary the manifestation of this is not necessarily reduced impact I couldn't find the corresponding section of the main report that this statement was based upon, but more detail is warranted here I think.	more comprehensively elsewhere in the SPM key messages References to the literature are not used in the SPM, but references are made to the full technical report where this literature is discussed Now given in the relevant key message This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages This text has now been removed, and the issue is covered more comprehensively elsewhere in the SPM key messages

Robert Watson	SPM	8	230			Does this include a critical assessment of technologies, practices and behaviour?	Text has been removed
Denmark	SPM	8	230			please provide examples of 'knowledge gaps and opportunities for sustainable development'	The SPM now includes a 'knowledge gaps' box
Harald Pauli	SPM	8	231		23:	comprehensive analysis of the statuses, trends, dynamics of, and interplay'	Text has been removed
UK: Mark Stevenson	SPM	8	231	8	232	Biodiversity and ecosystems - as above - does this mean biodiversity and ecosystem services (aka nature/ecosystems/biodiversity and its contribution to people)	Definitions have been checked throughout
Robert Watson	SPM	8	232			Like the high-level messages there is lack of mention of "quality of Life" and Human wellbeing	This has been addressed in the key messages
							The SPM does not make reference to specific literature. This is included in
EU: Karin Zaunberger	SPM	8	237			include after SDGs, the Sendai Framework for Disaster Risk Reduction and the Paris Agreement.	the full technical report
Marie Stenseke	SPM	8	238			Unclear how this sentence relates to the following text in the paragraph. Reformulate or delete	Text has been removed
France	SPM	8	238	8	238	Not clear	Text has been removed
Sweden: Hannah							
Östergård	SPM	8	238	8	23	Does this statement hold when it comes to desicion making in true every day situations?	Text has been removed
Germany	SPM	8	240			While appreciating the role that ILK plays in the assessment where there any shortcomings of difficulties in accessing and incorporating those forms of knowledge?	These shortcomings are now addressed as 'knowledge gaps' in a box
Germany	31 141		240		2-10	while appreciating the fole that the plays in the assessment where there any shortcomings or dimedites in accounting the more forms of knowledge:	The 'values' issues has been addressed comprehensively throughout the
Robert Watson	SPM		241			No mention of values in the High-level summary and even here the mention of values is cursory at best – the issue of values must be expanded	SPM
	3FIVI	٥	241		+	no mention of values in the right-lever summary and even here the mention of values is cursory at best—the issue of values must be expanded	35141
EU: Frank Wugt Larsen	SPM					probably more correct to use 'comprehensive' rather than 'complete'	
(EEA)	31 141	8	242	_			Text has been removed
UK: Diana Mortimer	SPM	8	242	8	3 242	complete picture' really?	Text has been removed
Georgia: Salome						Brief explaination of what are possible ways to adapt concept of New 252	
Nozadze	SPM	8	248	8	255	transnational legal concepts such as "ecological solidarity" ?	Text has been removed
						This paragraph explains the structure of the document. I'm not sure 'messages' is the right word. Maybe set out in four sections. A and B could be re-worded to better differentiate - I	
						know what they mean but only becuase I read the sections. A is probably better termed 'the relationship between changes in the extent, quality and spatial configuration of components	
	1			l	1	of biodiversity and their value to people. Also I think the paragraph needs to start with a clearer statement of purpose and signposting to the progress assessments with Aichi targets	
UK: Mark Stevenson	SPM	q	244	q	24	(which will be of particular interest to policy makers)	The text has been removed from the introduction
		1		l – í	1	it could be usefull include in list of high-level messages also financial regional and global mechanisms needed or exist to cover deficit of resources and financial mechanisms of	
Ruslan Novitsky	SPM	0	244		24.	It could be useful include in list of high-rever messages also minimal regional and global mechanisms needed of exist to cover denot of resources and minimal mechanisms of 2 stimulation.	The key messages now include more on economics and monetary valuation
Harald Pauli	3F IVI	10	249	10		sumination. See comment SPM, p 3 lines 57-59.	The key messages now include more on economics and monetary valuation
naraiu Pauli		10	249	10	25.	see comment sew, p 3 lines 57-59.	At
							Now, it is rephrased in key message A5 as Biodiversity loss impairs
	SPM				<u> </u>		ecosystem functioning and, hence, nature's contributions to people '
EU: Karin Zaunberger	SPM	10	249		26	Provision and Filtering of breathable Air, Water provision and purification and Food provision are missing NCPs. (Note that water and food are included in figure SP 2 on page 11)	NCP are now listed in Box SPM.2
						I suggest rephrasing as follows: Biodiversity and ecosystems underpin nature's regulating, material and non-material contributions to people (NCP) and are thus fundamental for human	Now, it is rephrased in key message A5 as Biodiversity loss impairs
Robert Watson	SPM	10	250			existence (well established) and contribute to human quality of life	ecosystem functioning and, hence, nature's contributions to people '
		1					This paragraph has been removed and these issues are discussed in the
Germany	SPM	10	250	10	25	The whole section is incomprehensible. How can biodiversity and ecosystems underpin NCP, since NCP is part of the biodiversity and is the same as ecosystem services?	opening bold section to key message A5
cermany	51.141	10	250	- 10	25.	please explain "well established" when cited for the first time; in the text, the explanation for the confidence level categories "well established" etc. are given only on p. 28 in lines 761 to	opening bold section to key message / is
Germany	SPM	10	250	10	251	please explain well established which clied for the first time, in the text, the explanation for the confidence level categories well established etc. are given only on p. 20 in lines 701 to 1766	Now done with a footnote in key message A1
Germany	SPIVI	10	250	10	25:	700	, ,
							This paragraph has been removed and these issues are discussed in the
						Very important to retain consistency with IPBES definition of "biodiversity", which includes "ecosystems"	opening bold section to key message A5. It may still be noted that in the
						(http://www.ipbes.net/sites/default/files/downloads/IPBES_2_INF_2_Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145).	IPBES conceptual framework the "nature" box is also denoted "biodiversity
					25:	I Therefore, delete "and ecosystems" twice here.	and ecosystems".
Thomas Brooks	SPM	10	250	10			and ecosystems .
Thomas Brooks	SPM	10		10			This paragraph has been removed and these issues are discussed in the
Thomas Brooks UK: Andrew Stott	SPM SPM	10	250 250	10	255	See comments on summary text above	· · · · · · · · · · · ·
		10			25!	See comments on summary text above	This paragraph has been removed and these issues are discussed in the
		10			25!		This paragraph has been removed and these issues are discussed in the opening bold section to key message A5
UK: Andrew Stott		10	250			See comments on summary text above This paragraph is a good summary, could be moved to the very first page on A. (kind of values are not mentined here).	This paragraph has been removed and these issues are discussed in the opening bold section to key message A5 This paragraph has been removed form this location and these issues are
UK: Andrew Stott Graciela Rusch	SPM SPM	10	250 250		25:	This paragraph is a good summary, could be moved to the very first page on A. (kind of values are not mentined here).	This paragraph has been removed and these issues are discussed in the opening bold section to key message AS This paragraph has been removed form this location and these issues are now incorporated in high level message A
UK: Andrew Stott	SPM	10 10 10 10	250			This paragraph is a good summary, could be moved to the very first page on A. (kind of values are not mentined here). Replace 'NCPs' by 'NCP'	This paragraph has been removed and these issues are discussed in the opening bold section to key message A5 This paragraph has been removed form this location and these issues are
UK: Andrew Stott Graciela Rusch Robert Watson	SPM SPM	10	250 250			This paragraph is a good summary, could be moved to the very first page on A. (kind of values are not mentined here). Replace 'NCPs' by 'NCP' Link between biodiv and GQL is too narrow, maybe take out second sentence alltogether because it can be read as biodiversity contributes to GQL only via NCPs which is too narrow.	This paragraph has been removed and these issues are discussed in the opening bold section to key message A5 This paragraph has been removed form this location and these issues are now incorporated in high level messages especially high level message A NCP acronym now not used
UK: Andrew Stott Graciela Rusch Robert Watson ECA values liaison	SPM SPM SPM	10	250 250 251			This paragraph is a good summary, could be moved to the very first page on A. (kind of values are not mentined here). Replace 'NCPs' by 'NCP' Link between biodiv and GQL is too narrow, maybe take out second sentence alltogether because it can be read as biodiversity contributes to GQL only via NCPs which is too narrow. Overall we suggest to emphasize in this first key message the fundamental and underlying importance of biodiversity (and functioning ecosystems' to maintain Nature's ability to provide	This paragraph has been removed and these issues are discussed in the opening bold section to key message AS This paragraph has been removed form this location and these issues are now incorporated in high level messages especially high level message A NCP acronym now not used This paragraph has been removed form this location and these issues are
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Norway: Nina Vik	SPM	10	258	10	260	What does this mean? Unclear message	This has been completely rewritten as revised key messages A1 and A2
Robert Watson	SPM	10	259			Most readers will not undrstand the terms instrumental and relational – you need to explain these terms (use a footnote to define them)	This has been completely rewritten as revised key messages A1 and A2 and these terms are not used
Robert Watson	SPM	10	261			Most readers will not undrstand the terms instrumental and relational – you need to explain these terms (use a footnote to define them)	This has been completely rewritten as revised key messages A1 and A2 and these terms are not used
Jnai Pascual	SPM	10	261			I am not sure whether one can say nature's contributions to values. Instead it should be the value of nature's contributions. These values then arise due to NCP effects on security, healtletc. the concepts of ncp, values and quality of life seem a bit mixed.	n This has been completely rewritten as revised key messages A1 and A2 and this has been rephrased as nature's contributions to people
	SPM	10	261		267	Regarding 'Health': it is a bit strange to mix 'medicinal resources' and 'green space in urban areas' in the same categorythe interest of E and CA are very far from each other in this case.	Green snace is still mentioned in key message A1 in a sentence discussing
					1	This part could be better structured around the 4 component of quality of life: start a new paragraph after the firt sentence that deals with the linkage with health and add a paragraph	This has been completely rewritten as revised key messages A1 and A2 and
France France	SPM SPM	10	261 261	10		about justice and equity.	justice and equity are discussed in key message A3
	SPIVI	10	261			Some (ideally) aggregate figures would be particularly helpful in this section. Keep the same order for the qualificatives	These are now included in key message A1 This has been completely rewritten as part of key message A1
	51 141	10				It seems to us that the sentence "Nature's contributions () and justice and equity" should be the key message here. It is more concrete and deals with issues very important for decision	-
	SPM	10	261	. 10	262	2 makers.	This is now covered in a separate key message as message A3
Sweden: Cecilia Lindblad	SPM	10	261	10	0 26	N C to <u>relational</u> and <u>instrumental</u> ? <u>Unclear formulation</u>	This has been completely rewritten as revised key messages A1 and A2 and these terms are not used
		19				I think again, there is too much jargon in this text, for ES - IPBES community, but little understandable by others, not least policy makers. I suggest to leave only what is 'recognizable' be appropriated to available better the basic for these conclusions. If KP in addition, these accounts make the whole text cound that it is for a restricted community.	Y This has been completely rewritten as revised key messages A1 and A2 and
	SPM	10	261		26		certain terms are not used. The ILK acronym is now not used
	SPM	10	262			Add: 'In many instances' there is evidence	removed
Brendan Coolsaet Belgian government - Hilde Eggermont (IPBES National Focal	SPM	10	262 262	10	262	Justice/equity already mentioned here, but only covered under A2 (unlike security, health, heritage & identity) justice/equity already mentioned here, but only covered under A2 (unlike security, health, heritage & identity)	This is now covered in a separate key message as message A3
	SPM						This is now covered in a separate key message as message A3
						Rephrase: For example, the nutritious value of food species, the essential role of ILKP associated with medicinal resources and the relevance of recreational experiences in nature. Access	
HODELL MATSON	SPM	10	263			to nature in general, including to green spaces around and within urban areas, improves mental and physical health	This has been completely rewritten as revised key messages A1 and A2
	SPM	10	263			Replace 'NCPs' by 'NCP'	NCP acronym now not used
ECA values liaison group	SPM	10	263			Nutritious content instead of value	Removed
France	SPM	40	263		200	The end of the sentence is unclear.	This has been completely rewritten as part of revised key messages A1
	SPM	10	263	10		I ne en or the sentence is unclear. Need to explain ILK acronym first time it is used	The ILK acronym is now not used
	SPM	10) Need to explain Lt. a zoronym first time it is used A bit unclear why nutritious value of wild food species is mentioned here and not in the next para on food-energy-water	This has been removed
	SPM	10			20.	Police "wild" say wild and domesticated – the sentence should refer to all food (domesticated or wild) Delete "wild" say wild and domesticated – the sentence should refer to all food (domesticated or wild)	Mention of wild food removed
	SPM	10			26	why only wild food species?	Mention of wild food removed
	SPM	10			20	spell out like	The ILK acronym is now not used
	SPM	10			0 26	4 Spell out for the first time ILKP	The ILK acronym is now not used
	SPM	10				Indicate what IKLP stands for.	The ILK acronym is now not used
	SPM	10	265			What « relevance » means here is unclear.	Rewritten and the word relevance removed
EU: Frank Wugt Larsen (EEA)	SPM	10	266		26	Relevant refs include: UNEP; CBD; WHO 2015 Connecting Global Priorities Biodiversity and Human Health; IEEP 2016 on health and social benefits of nature and biodiversity protection;	Some of these are included in chapter 2 section 2.3.2
	SPM	10	267	10		Perhaps something about how regulating processes/services contribute to human health? (air, water purification, climate regulation)	This is discussed in chapter 2 and not here due to word limits
	SPM	10					
Robert Watson	SPIVI	10	268			Add: 'In some instances' there is also evidence	This has been completely rewritten as part of revised key message A2 This has been completely rewritten as part of revised key messages A2 with
Robert Watson	SPM	10	268	:		Which regulating NCP does this sentence refer to as food, water and energy are material NCP – pleasse be specific	a more detailed discussion of different regulating services
Robert Watson	SPM	10	268			Replace 'NCPs' by 'NCP'	NCP acronym now not used
						Again, remove 'material' and 'regulating' go directly to the functions.	
Graciela Rusch	SPM SPM	10	268		26	8	This has been completely rewritten as part of revised key message A2
UK: Andrew Stott	SPM	10	269	10	270	This period is almost 10 years ago - what has happened since then?	This data has been removed Moved to key message A4 percentage figures not included due to word
Robert Watson	SPM	10	270		-	Less self – sufficient – define before and later in % terms Please make sure the reader does not confuse being food secure and being self sufficient in food production – food security is a combination of production and imports, hence a region	limits but are in chapter 2 To avoid possible confusion food security is discussed in key message A2
Robert Watson	SPM	10	270			can be food secure even with low domestic production. I would modify the sentences	and self-sufficiency in A4
Robert Watson	SPM	10	270			What about EE and CA?	Now included in key message A4
December Cont.]		Text seems to imply a relationship between crop production and food security. But little evidence exists to support that relationship	To avoid possible confusion food security is discussed in key message A2
Brendan Coolsaet	SPM	10	270	10	0 27:	Where is the connection of being able to afford a nutrious meal and food	and self-sufficiency in A4
Germany	SPM	10	270	10	272	security?	Discussion of nutritious meal has been removed
Belgian government - Hilde Eggermont (IPBES National Focal		10	270	10	272	Text seems to imply a relationship between crop production and food security. But little evidence exists to support that relationship	To avoid possible confusion food security is discussed in key message A2
	SPM			<u> </u>			and self-sufficiency in A4
LOTATION TOTAL	SPM	10	270			It is not clear to me whether the unability to afford nutritious meals is because of decrease in production or in incomes?	Discussion of nutritious meal has been removed
UK: Andrew Stott	SPM	10	270	10	27	But what about longer term trends?	Longer term data only available for parts for ECA so not included
UK: Vin Fleming	SPM	10	270	10	270	States 'WE became less self-sufficient in food production' but gives no indication why this was the case and what drove the change? Worth summarising in a few words.	Due to word limits this is discussed in chapter 2

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Germany France	SPM SPM	10	27 27			171 please define 'ILKP' and add reference to IPBES ILK 172 It is very unclear whether the quantity of children that cannot afford a nutritious meal is related to regional NCP or rather to economic transactions	The ILK acronym is now not used Discussion of nutritious meal has been removed
Robert Watson	SPM	10			.0 2	1/2 It is very unclear whether the quantity of children that cannot afford a nutritious meal is related to regional NLP or rather to economic transactions What was a special about 2007-2009 – a recession in these countries, hence imported food was underfordable?	Discussion of nutritious meal has been removed Discussion of cost of nutritious meal has been removed
RODEIT WAISON	SPIVI	10	27.		+	what was a special about 2007-2009 — a recession in these countries, nence imported rood was unharrordabler	This data has been edited as part of key message A4 and only WE and CA
Robert Watson	SPM	10	27			What about FF?	are includde to make the contrast between the two clear
France	SPM	10	27		0 7	Transit about Et : 175 Iransi about Et : 175	This is cross sectional data not a trend over time
Brendan Coolsaet	SPM	10	27			75 (can be person or many person or	Thank you and reference to 2.2.1.9 has been removed
Belgian government -	3F IVI	10	276	10	276	2.2.1.9 doesn't exist in technical chapter	Thank you and reference to 2.2.1.5 has been removed
Hilde Eggermont		10	270	10	270	2.2.2.3 doesn't exist in technical chapter	
(IPBES National Focal							
Point)	SPM						Thank you and reference to 2.2.1.9 has been removed
Robert Watson	SPM	10	27	7		Replace 'NCPs' by 'NCP'	NCP acronym now not used
UK: Andrew Stott	SPM	10	27	8 1	.0 2	79 This is not singular to the ECA region	This is true of a number of issues discussed and is noted in chapter 1
ECA values liaison							
group	SPM	10	27	9		outstanding universal value' should be replaced by 'outstanding international importance' which is the official language and easier to understand.	This data and this term have been removed in the revised key messages
UK: Andrew Stott	SPM	10	27	9 1	.0 2	181 Not sure what this says - other than that ECA govts are prepared to nominate such sites.	This data and this term have been removed in the revised key messages
Robert Watson	SPM	11				Replace 'NCPs' by 'NCP'	NCP acronym now not used
							Yes, it meant number of publications. However, we dropped this figure out
Yorick Reyjol	SPM	11	284			What is 'empirical evidence' and what is the 'number of studies'? scientific publications?	of the SPM in the current version
,,						This table depicts the number of studies that provide evidence for the linkages between NCPs and quality of life. This should be better placed in the chapter, because this does not tell	
Germany	SPM	11	28	4 1	1 2	185 anything about the relevance or nature of those interlinkages.	We dropped this figure out of the SPM in the current version
EU: Anne Teller	SPM	11	28-			185 don't understand Figure SPM2?	We dropped this figure out of the SPM in the current version
		Ì	1	1	1	Clarify in Fig SPM 2 legend whether these are studies that show positive interlinkages, or whether they are studies that show any interlinkages (positive or negative). Also clarify whether	Yes, it meant number of publications that shows positive interlinkages.
Thomas Brooks	SPM	11	28-	4 1	1 2	184 these are studies from ECA specifically.	However, we dropped this figure out of the SPM in the current version
France	SPM	11	28	4 1	.1 2	184 interlinkages could be replaced with "contributions of"	We dropped this figure out of the SPM in the current version
						It is unclear whether this Figure is a rigorous "empirical evidence". Consider deleting it Or complete the table with "factors contributing to the quality of life"; characterize the literature	
France	SPM	11	28-	4 1	.1 2	184 corpus	We dropped this figure out of the SPM in the current version
						Is the work of the MAES working group part of the study mentioned in this table ?	
France	SPM	11	28-	4 1	1 Figure	SPN See e.g. : http://biodiversity.europa.eu/maes and more particularly http://catalogue.biodiversity.europa.eu/uploads/document/file/1227/lbna27143enn.pdf	Yes, it has included. However, we dropped this figure from the SPM
UK: Andrew Stott	SPM	11	28	4 1	1 2	84 Are these studies limited to the ECA area? Are they biased towards some sub-regions/countries in ECA?	Yes. However, we dropped this figure from the SPM
Norway: Nina Vik	SPM	11	28	4 1	1 2	185 Not sure this gives value to the SPM. Can delete here (and only use in chapter)	We dropped this figure out of the SPM in the current version
Finnish Government	SPM	11			.1 2	Fig SPM 2. The contents of this figure are not obvious. What is the mesage of the figure?	We dropped this figure out of the SPM in the current version
Robert Watson	SPM	11	28	6		Replace 'NCPs' by 'NCP'	Done
							We are aware about this constrain and because word limitations (we must
						Justice/equity is reduced to distributive issues. Yet, much of recent work on environmental justice has shown that distributive justice is not enough to address the complexity of justice	reduced the wording) and also because we did not have so much empirical
						claims (see eg. Norwich Declaration on Environmental Justice). This section should draw more closely on the content of chapter 2 and hightlight the other dimensions of justice	evidence on procedural equity, we focus on message A3 on distributional
Brendan Coolsaet	SPM	11	28	6 1		86	equity.
Belgian government -		11	286	11	286	Justice/equity is reduced to distributive issues. Yet, much of recent work on environmental justice has shown that distributive justice is not enough to address the complexity of justice	We are aware about this constrain and because word limitations (we must
Hilde Eggermont						claims (see eg. Norwich Declaration on Environmental Justice). This section should draw more closely on the content of chapter 2 and hightlight the other dimensions of justice	reduced the wording) and also because we did not have so much empirical
(IPBES National Focal							evidence on procedural equity, we focus on message A3 on distributional
Point)	SPM			_			equity.
						The ways in which Nature and NCPs contribute to well-being can be very varied and deeply depend on the conceptualizations of the human-nature relationships and well-being. While it	
						is clear that there is a large demand for recreational uses of nature in easter europe, and probably in some parts of western europe, this might not be ture for some stakeholders in	Thank you for the nice words regarding the chapter. iIn the SPM though we
						western europe and in central Asia. Is this recreational use also relevant accross all economic sectors or is it a phenomenon for people with a certain income level and above? WHile the	could not convey the message about distributive issues taking into account
						role of Nature, language, inspiration and learning and linguistic diversity is stated clearly in Ch2 and in several sections of the SPM there is a disconnect of the different views along the	wealth or social groups because the word limitation. We were requested to
						SPM. In fact, all this discussion is very nicely framed in lines 234-291 of Ch2 but not conveyed in the SPM. In fact, the drivers Chapter highlights in lines 755-758 that the growth of	reduce it to half, so this message in particular has been shorten
ECA values liaison						ecotourism in an important driver of change in nature, but of course in many countries of central asia, e.g. in Georgia, this is not an activity that the local populations undertake but is	considerably. We only provide the basic information about distributional
group	SPM	11	28	b 1	1 :	109 rather an option for economic growth	inequity across subregions.
Robert Watson	SPM	11	28	/	+	Replace 'NCPs' by 'NCP'	Done This control to the state of the state
LUC Made Comme	CDM	1		, .		Compared the ship hard statement as in suite and the ship hard statement as	This precisely what it meant. In the new version, we shorten the text and
UK: Mark Stevenson	SPM	11	28	/ 1	.1 2	some of these high level statements are in quite opaque language. Does this one mean that the benefits from NCPs are not equitably distributed geographically or across social groups?	make the language easier to grasp
	5014	1					It means between generations. But in the new version we avoid this kind of
Germany	SPM	11	28	8 1	.1 2	88 What is meant by "intergenerational inequity"?	difficult words
D. I	5014	1			1	l am surprised by several of the strong causality statements made below – it would appear to me that too much is being attributed to a lack of NCP – so many other factors affect clean	We reduce down the tone in the new version to avoid strong casuality
Robert Watson	SPM	11	28	-	+	water, health, etc. Replace 'NCPs' by 'NCP'	statements
Robert Watson	SPM	11			1 -		Done New the message is framed around NCP
Olesya Petrovych	JF IVI	111	29	J 1	.1 3	09 Subpart A2 should be transformed, the usage of ecosystem services should be highlighted and connected into a logical string leading up to NPCs	Now the message is framed around NCP
Olesya Petrovych	SPM	11	29	0 4	.1 2	191 There is a markedly unequal posibilities to use ecosystem servicies and distribution of the benefits derived from NCPs between the ECA between the subregions and across social groups	Sorry, we do not understand this comment. In any case this message was completely rephrased
Olesya PetrovyCii	JF IVI	111	29	J 1	.1 4		
France	SPM	11	29		, ,	There is a confusion between "NCP's benefits" and macroscopic observations on the quality of life of people, that results from the integration of various factors, including economics, development, security, etc	We now broaden to 'Nature's contributions to people, and their influence on quality of life'
riance	3PIVI	11	29	1	4		on quanty of file
		1			1	There should be a brief explanation of the reasons why there is such an inequality in access to ecosystem services. For example, the biodiversity and diversity of ecosystems and natural accuracy in the property of the prop	Hafartunataly, we were requested to shorten the test by helf so
Ologua Botrowsk	SPM		29	, .	.1 2	resources existing in certain areas, if they can provide ecosysytem services or not, the varying level of technological advance, traditions, legislation, etc. Only then it'll be appropriate to move on to the examples.	Unfortunately, we were requested to shorten the text by half, so we could
Olesya Petrovych	Jr IVI	11	29	1 1		31 move on to the examples. I wonder whether it is so, in this context that the problem of different degrees of access to clean water is a problem of unequal distribution of benefits. I would say that these are	not add more information and rather we reduce the wording. We agree, but as a regional assessment we bring the global picture and we
Graciela Rusch	SPM	11	29	,		wonder where it is so, in this context that the problem of different degrees of access to clean water is a problem of unequal distribution of benefits. I would say that these are 1921 different context and problem situations, not a single system with competing interests over the same herfits.	We agree, but as a regional assessment we bring the global picture and we could not explain the details of different contexts
GIACIEIA RUSCN	Jr IVI	11	29	+	+	2.2 Interest, Context and problem situations, not a single system with competing interests over the same benefits.	In the new version we avoid to explain the reasons because the wording
Robert Watson	SPM	11	29	,	1	But how much of this is due to a deficiency in the water NCP – surely there are many other more important fcators	In the new version we avoid to explain the reasons because the wording limitation and because there are manifold.
NODELL MATZOII	JF IVI	111	29.	+	+	pour now much or this is due to a derivency in the water NCP — surely there are many other more important itators	
	1	1	29			land grabbing in Central Asia, particularly Kazakhstan, is prominent, but it is not western Europe. Please be more specific.	We now are more specific in message A4 regarding the countries. However, because of the limitation of words we cut this part down.
Germany	SPM						

Commonweight Comm		T			1			
Mary Mary	UK: Andrew Stott	SPM	11	293	11	. 294	Need to use more neutral language than 'land grabbing'.	0 0
And the second process of the second process								based on Western Europe. In any case, we cut this part down in the new
Mart Mart	UK: Andrew Stott	SPM	- 11	293	11	. 294	I don't think it is 'western Europe' that is purchasing or managing land, but private/multi-national companies some of which are based in western Europe.	version.
	Pohort Watson	CDM	11	204				Pight I Wa avoid this kind of statements in the new SDM
March	EU: Anne Teller		11					
March	FII: Ole Octermann						" naticination in these activities is lower in Central Asia and Eastern Europe than the other sub-regions because of fewer protected areas and less infrastructure for access." Is this and	We have considerably change the messages and this text does not appear
1	JRC	SPM	11	297	11	. 299		
1								We agree, but as a regional assessment we bring the global picture and we
Marches March 19	March Character	5014		207		204	The differences in recreational activities are most likely also related to differences in economic wealth	could not explain the details of different contexts. Anyway, We have
We when the consequence of the control of the contr	Marie Stenseke	SPM	- 11	297		301		
As Automatic Marketing Mar	UK: Andrew Stott	SPM	11	297	11	299	Not sure what the connection is between recreation and protected areas - recreation does not rely on protected areas	
Signer Water. 509 11 79 12 79 12 70 13 79 13 79 15 70	UK: Andrew Stott	SPM	11	297	11	. 299	less infrastructure for access, yes but also rights?	
Signer Water. 509 11 79 12 79 12 70 13 79 13 79 15 70							Because of fourse protected search this coult true. Legand late of reconstriand time in Europe community with partners and pours in a protected search true.	Totally right. This mossage has changed in the new version and we avoid this
seeman función SPM 1 2 29 1 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Robert Watson	SPM	11	298				
seeman función SPM 1 2 29 1 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20								We agree, but as a regional assessment we bring the global picture and we
services of the control of body become and the services of the control of body become in a control of body become							This is also due to lack of income enabling people to visit these sites as well as cultural perceptions of what recreational experiences are.	could not explain the details of different contexts. Anyway, We have
Contemplation of the position of the population	Jeroen Arends	SPM	11	299	11	. 299		considerably change the messages and this text does not appear anymore
germany M. 11 299 11 295 googstay where there is an exponse curvival coefficing a good is reconstanted justice. The curvival property of the following the following plant of the following the following the following plant of the following								We agree, but as a regional assessment we bring the global picture and we
Member Soft Miles Mile	Germany	SPM	11	299	11	299		
Solver Washoon SPM 11 300 Processed SpM 12 300 Processed SpM 12 300 Processed SpM 13 300 Processed SpM 14 300 Processed SpM 14 300 Processed SpM 15 300 Proc	•							We rephrased the whole message and we hope that we are now able to
Solvert Waston SPM 11 302 Carry you be more specific—which NCP SPM 11 302 Specific Waston SPM 11 302 Specific Waston SPM 11 302 Specific Waston SPM 12 302 Specific Waston SPM 13 302 Specific Waston SPM 13 302 Specific Waston SPM 14 302 Specific Waston SPM 15 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 16 302 Specific Waston SPM 17 302 Specific Waston SPM 18 302 Specific Waston SPM 19 302 Specific Wa	UK: Andrew Stott	SPM	11	299	11	. 301	Is this assessment concerned about social justice? The concern should be expressed in turns of uneven access to benefits such that some sectors of society have a poorer quality of life.	
In Paccial SMM 1 1 30 1 30 1 30 1 30 1 30 1 30 1 30	Robert Watson		11					anymore
Jame Personal SPM 1 302 Sesculates to bring this idea without proper justification. Jesus Personal	Robert Watson	SPM	11	302		1	The process of the second seco	
Disease Petrosphy SPM	Unai Pascual	SPM	11	302			speculative to bring this idea without proper justification.	anymore
Authories SMM 1 1 302 1 3 30 Not sure what 'destroy the basis for means? Authories SMM 1 1 302 1 3 30 Not sure what 'destroy the basis for means? Authories SMM 1 1 302 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 302 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 302 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 302 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basis for means? Authories SMM 1 1 300 Not sure what 'destroy the basi	Olesya Petrovych	SPM	11	302	11	303		
Jan Falth SPM 11 302 302 good reference to intragenerational and intergenerational injustices and trade-offs Obect Walston SPM 11 303 I 303 I 304 Fine requires more explanation and an example. When we considerably change the messages and this text does not appear and this text does not appear and this text does not appear and this text does not appear specifics. SPM 11 305 I 304 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 I 305 Fine but very generic statements - can we have more specifics SPM 11 305 Fine but very generic statements - can we have more specifics SPM 11 305 Fine but very generic statements - can we have more specifics SPM 11 305 Fine but very generic statements - can we have more specifics SPM 11 305 Fine but very generic statements - can we have more specifics SPM 11 305 Fine but								We have considerably change the messages and this text does not appear
If Andrew Soft SM 1 1 303 1 1 304 This requires more explanation and an example. Whe have considerably change the messages and this text does not appear anymore solent Watson SPM 11 304 September (SPC) by NCP More According to the property of the proper	Dan Faith							,
UK Andrew Soft SPM	Robert Watson	SPM	11	303			Replace 'NCPs' by 'NCP'	
Sheef Watson SPM 11 304 True but very generic statements — can we have more specifics anymore solvent Watson SPM 11 304 Replace PICE's by YICE' Sheef Watson SPM 11 305 Replace PICE's by YICE' Sheef Watson SPM 11 305	UK: Andrew Stott	SPM	11	303	11	304	This requires more explanation and an example.	
Sobert Watson SPM								We have considerably change the messages and this text does not appear
Signed Mission SPM 1 305 Seplace "NCPs" by "NCP" Special Checks" by "NC			11			1		
3rendar Coolsaet SPM 11 305 1 307 reduced to being an "instrument" to achieve a particular outcome (distributive or other). SPM 11 305 1 305 Complicate 11 305 1 307 Complicate 12 305 11 307 Complicate 13 305 11 307 Complicate 14 305 11 305 12 309 Complicate 15 Complicate 16 Complicate 17 Complicate 18 Complicate 19 Complicate 19 Complicate 10 Complicate 10 Complicate 10 Complicate 11 305 11 307 Complicate 12 Complicate 13 Complicate 14 Complicate 15 Complicate 16 Complicate 17 Complicate 17 Complicate 18 Complicate 19 Complicate 19 Complicate 19 Complicate 10 Complic	Robert Watson							
Fig. 1 1 305 309 Complicated 305 309 Complicated 305 309 Complicated 305 309 Complicated 305 309 Complicated 305 307 Lack of participation is a form of injustice in its own right. it's about having a voice in decision-making and was foundational to the environmental justice movement. Should not be reduced to being an "instrument" to achieve a particular outcome (distributive or other). SPM We have considerably change the messages and this text does not appear anymore CA values liaison group SPM 11 305 language needs to be checked: marginalizing groups or views of groups 2343 Sentence would benefit from simplification. 49 where considerably change the messages and this text does not appear anymore JK: Andrew Stott SPM 11 307 11 308 But in many cases it isn't fundamental - its missing? We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore Use to the average of the text. This phrase has been dropped out anymore and it like the unequal enjoyment of benefits obtained by users and their compensation. Some ecosystems provide benefits to far away to appear anymore and it like the unequal enjoyment of benefits and when it does, it is not equally distributed. The topic in A3 is an important one and I think it can be strengthened in several ways. First, this section might provide a good opportunity to highlight the importance of the biosphere as our	Davidso Carland	5014	44	205		207		
Seglain government- ilide Eggermont IPBES National Focal Point) SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM			11		1.1	. 50,		
We have considerably change the messages and this text does not appear anymore SPM	Belgian government -		11	305	11	307	Lack of participation is a form of injustice in its own right. It's about having a voice in decision-making and was foundational to the environmental justice movement. Should not be	
SPM SPM In any process of the season of the	Hilde Eggermont (IPBES National Focal						reduced to being an "instrument' to achieve a particular outcome (distributive or other).	We have considerably change the messages and this text does not appear
Is Andrew Stott SPM 11 305 language needs to be checked: marginalizing groups or views of groups 2343 Sentence would benefit from simplification. We have considerably change the messages and this text does not appear anymore Note that the following spell out LIKP 11 307 11 309 But in many cases it isn't fundamental - its missing? Replace 'NCPs' by 'NCP' Done 12 308 Spell out LIKP To elaborate more on inequality: This also has to do with the unequal enjoyment of benefits obtained by users and their compensation. Some ecosystems provide benefits to far away leave considerably change the messages and this text does not appear anymore We have considerably change the messages and this text does not appear anymore To elaborate more on inequality: This also has to do with the unequal enjoyment of benefits obtained by users and their compensation. Some ecosystems provide benefits to far away leave considerably change the messages and this text does not appear anymore The topic in A3 is an important one and I think it can be strengthened in several ways. First, this section might provide a good opportunity to highlight the importance of the biosphere as our life-support system and as the foundation for society and the economy and the need to stay within environmental limits as conceptually captured by the planetary boundaries framework and the safe operating space for humanity on Earth. Second, the example of flows in traded wood doesn't seems to be the most illustrative. For many environmental issues the European footprint is increasing, e.g., when it comes to land footprint (see e.g. Yu, Y. et al., 2013. Tele-connecting local consumption to global land use. Global but we try to make this message clear enough through the differences between	Point)	SPM						
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To elaborate more on inequality: This also has to do with the unequal enjoyment of benefits obtained by users and their compensation. Some ecosystems provide benefits to far away leroen Arends SPM 11 309 11 309 places and the compensation for it does not go to the area that provides these benefits. And when it does, it is not equally distributed. The topic in A3 is an important one and I think it can be strengthened in several ways. First, this section might provide a good opportunity to highlight the importance of the biosphere as our life-support system and as the foundation for society and the economy and the need to stay within environmental limits as conceptually captured by the planetary boundaries framework and the safe operating space for humanity on Earth. Second, the example of flows in traded wood doesn't seems to be the most illustrative. For many environmental issues the European footprint is increasing, e.g., when it comes to land footprint (see e.g. Yu, Y. et al., 2013. Tele-connecting local consumption to global land use. Global local way implication we could not add more details but we try to Environmental Change 23, 1178–1186; Tukker, A., et al., 2016. Environmental and resource footprints in a global context: Europe's structural deficit in resource endowments. Global make this message clear enough through the differences between								
The topic in A3 is an important one and I think it can be strengthened in several ways. First, this section might provide a good opportunity to highlight the importance of the biosphere as our life-support system and as the foundation for society and the ecent to stay within environmental limits as conceptually captured by the planetary boundaries framework and the safe operating space for humanity on Earth. Second, the example of flows in traded wood doesn't seems to be the most illustrative. For many environmental issues the European footprint is increasing, e.g., when it comes to land footprint (see e.g., Yu, Y., et al., 2013. Tele-connecting local consumption to global land uses. Global Due to the word limitation we could not add more details but we try to make this message clear enough through the differences between							To elaborate more on inequality: This also has to do with the unequal enjoyment of benefits obtained by users and their compensation. Some ecosystems provide benefits to far away	
our life-support system and as the foundation for society and the economy and the need to stay within environmental limits as conceptually captured by the planetary boundaries framework and the safe operating space for humanity on Earth. Second, the example of flows in traded wood doesn't seems to be the most illustrative. For many environmental issues the European footprint is increasing, e.g., when it comes to land footprint (see e.g. Yu, Y. et al., 2013. Tele-connecting local consumption to global land uses. Global Context Europe's structural deficit in resource and enwents. Global make this message clear enough through the differences between	Jeroen Arends	SPM	11	309	11	309	places and the compensation for it does not go to the area that provides these benefits. And when it does, it is not equally distributed.	anymore
our life-support system and as the foundation for society and the economy and the need to stay within environmental limits as conceptually captured by the planetary boundaries framework and the safe operating space for humanity on Earth. Second, the example of flows in traded wood doesn't seems to be the most illustrative. For many environmental issues the European footprint is increasing, e.g., when it comes to land footprint (see e.g. Yu, Y. et al., 2013. Tele-connecting local consumption to global land uses. Global Context Europe's structural deficit in resource and enwents. Global make this message clear enough through the differences between							The topic in A3 is an important one and I think it can be strengthened in several ways. First, this section might provide a good opportunity to highlight the importance of the biosphare as	
the European footprint is increasing, not decreasing, e.g. when it comes to land footprint (see e.g. Yu, Y. et al., 2013. Tele-connecting local consumption to global land use. Global EU: Frank Wugt Larsen Due to the word limitation we could not add more details but we try to make this message clear enough through the differences between								
EU: Frank Wugt Larsen Environmental Change 23, 1178–1186; Tukker, A., et al., 2016. Environmental and resource footprints in a global context: Europe's structural deficit in resource endowments. Global make this message clear enough through the differences between								
	FII: Frank Wugt Larcon					1		
EEA] JSPW 111 310 12 338 Environmental Change 40, O'Brien, M., et al. 2015. The land footprint of the EU bioeconomy: Monitoring tools, gaps and needs. Land Use Policy 47, 235–246). biocapacity and ecological footprint	(EEA)	SPM	11	310	12	338	Environmental Change 45, 1176–1106, Tukker, A., et al., 2016. Environmental and resource toughths in a global context. Europe's Structural useric in resource endownients. Sidual Environmental and Change 40, O'Strien, M., et al. 2015. The land footprint of the EU bioeconomy: Monitoring tools, gaps and needs. Land Use Policy 47, 253–246).	biocapacity and ecological footprint

	1	1	1	1	1		
							Now it reads as: The population of Europe and Central Asia uses more
							renewable natural resources than are produced within the region, indicated
						Rephrase: A3. The ECA region uses more than its equitable share of renewable natural resources and it imports more NCPs than it exports (well established). There are significant	by an ecological footprint that exceeds the region's biocapacity (well
Robert Watson	SPM	11	311 311		242	differences in flows of NCP into the ECA sub-regions; Central and Western Europe and Central Asia import more benefits derived from NCP than Eastern Europe	established) {2.2.4}.
Olesya Petrovych	SPM	11	311	. 11	312	It would be great to enhance the key message and use the exact numbers in lines 315-316.	We have updated the figures to the last date. See new message A4
						Overall, this message could be made more precise and relevant. Instead of using the ecological footprint, the impacts could be detailed (at least) between:	
						(f) the sustainable character of biological resource (fish, wood, Net Primary Productivity - NPP) withdrawal (Human Appropriation of Net Primary Productivity - HANPP) and	
F	SPM	11	244	12		consumption (taking into account imports and exports);	Due to the word limitation we cannot add all of these indicators in the message.
France	SPIVI	- 11	311	. 14	2 338	(ii) GES emissions.	8
							Now it reads as The population of Europe and Central Asia uses more
							renewable natural resources than are produced within the region, indicated
111/2 A d Ch 44	5014		244				by an ecological footprint that exceeds the region's biocapacity (well
UK: Andrew Stott Robert Watson	SPM	11	311 312	. 12	314	The ECA region is not a political entity - should refer to countries in the ECA. What is its 'share' and who decides? This needs to be expressed in more neutral terms. Replace 'NCPs' by 'NCP'	established) {2.2.4}.
Robert Watson	SPIVI	- 11	312	-	 		done
Ruslan Novitsky	SPM		377	. 11		very strange, that the collaps of former Soviet Union and associated countries economical crisis have not reflected as a on of the factors restructure of consumption and provision production. During this collaps all countries involved in union lost a specialisation and became to crisis about ten years long.	We have considerably change the messages and this text does not appear
	SPM	11			1 380	production. Juring this collaps all countries involved in union lost a specialisation and became to crisis about ten years long. Replace 'NCP' by 'NCP' Replace 'NCP' by 'NCP'	anymore
Robert Watson Robert Watson	SPM	12			1	KEDIACE NUES DY NUE' REDIACE NUES DY NUE'	done done
André Mader	SPM	12			245	KEDIACE NUPS DV NUP Words like "ecological footprint" and "biocapacity" might need to be described briefly in the text, rather than relying on the glossary.	Now it is explained in the figure caption of SPM4
Germany	SPM	12	315			words like ecological rootprint and biocapacity might need to be described orienly in the text, rather than entitying on the glossary. It would be helpful to have an explanation what the difference between biocapacity and ecological footprint means; Figure SPM 3: font size of legend too small	Now it is explained in the figure caption of SPM4 Now it is explained in the figure caption of SPM4
Germany	SPIVI	12	315	12	2 330	It would be neighful to have an explanation what the difference between blocapacity and ecological footprint means; rigure 5PM 5: font size of legend too small	Now it is explained in the figure caption of SPM4
		1	l			This subpart should explain why "Central and Western Europe and Central Asia import more benefits derived from NCPs than Eastern Europe" and what that means. The lower level of	
		1	ĺ		1	import in Eastern Europe is caused by the economical limitations of these countries. Import will increase with improvement of the economical situation. Meanwhile, the existing state	
		1	ĺ		1	causes higher levels of local natural resources and ecosystem services usage which leads to decreased levels of biodiversity and worsened conditions of ecosystems. While the	
						"additional" level of natural resources and ecosystem services import improves the welfare of the citizens and reduces the pressure on local ecosystems. The considerable level of import	
Olesya Petrovych	SPM	12	315	12	329	in Central Asia is caused by the limited options for NCPs in these countries and it will go up along with the life standards. Such explanation will also logically connect parts A3 and A2.	indicate where in the chapter readers can find more information
							This is why we complement the information of ecological footprint and
							biocapacity with other statements: e.g. 'Central and Western Europe import
			l			This more detailed overview of the EF states that biocapacity is exceeded in Western and Central Europe and Central Asia but (see above comment) does not explain whether this is due	more of nature's contributions to people than Eastern Europe and Central
						to local exceedence or import-induced exceedence. The para in the Introduction infers its to do with imports which is slightly misleading. Furthermore I *suspect* (?) the reserve in	Asia (well established) {2.2.4}. Food availability in Central and Western
						Eastern Europe is driven by the large 'forest' component of these areas, which supports the point above about the EF not necessarily being a good proxy for pressure on biodiversity and	Europe relies significantly on cropland in Brazil, Argentina, China and the
UK: Chris West	SPM	12	315	12	321	ES as this having a high biocapacity for forests will not be a good marker for other impacts that might be being felt in these regions.	United States (well established) {2.2.4}. '
Robert Watson	SPM	12				Delete 'accountable for'	done
Unai Pascual	SPM	12	317			includnig carbon sinks, etc. (not just renewable resources)?	We rephrased completely the message
France	SPM	12	320	12	321	What are the levels of uncertainty for these data? Should we not use them with caution? Is the term "reserve" the most adequate? It seems to open the possibility to use it further.	We rephrased completely the message
Robert Watson	SPM	12	322			Replace 'NCPs' by 'NCP'	done
							We could not expand more this message due to word constrains. But we
Germany	SPM	12	322	12	322	What about non-wood products?	include food as an example.
UK: Andrew Stott	SPM	12	322	12	325	Example is from 10 to 5 years ago - anything more up to date?	We deleted this paragraph and data for ecological footprint was updated
						The human-appropriation of NCP presents 'time-series' information that I think would be interesting for the reader in the 'Introduction' section. It would be nice also to include	
						information on land-use/deforestation embedded in this wood (and other) production, particularly as LUC is identified as the major driver of biodiversity loss later in the text. Some of	
UK: Chris West	SPM	12	322	12	327	this information appears to be available from the other studies detailed in Chapter 2 of the report, so it should be possible to pull this out.	we deleted this paragraph
Robert Watson	SPM	12	323			Delete interregional – you mention flows within Europe – they are intra-regional not inter-regional	We now avoid this jargon
		1				"Human appropriation of net primary productivity" is a concept with which non-economists are not familiar. It would be good to find another unit or indicator which is better known by	
France	SPM	12	326	12	326	broad audience, or at least to explain what it is.	We deleted this part of the message
						Figure SPM 3: For now the information given by this figure is quite one-sided. At least reference should also be made to the population per square kilometer or hectare in the respective	We have now explained better both concepts and change the figure to
Germany	SPM	12	328	12	330	sub-region in lines 315-321. Above the figure should follow the explanations in lines 315-321.	make it clearer
EU: Markus Erhard							
(EEA)	SPM	12	328	12	329	you may consider to add source as in Figure SPM 4	We made it and the sources can be found in the chapter as indicated
Switzerland: José							We have now explained better both concepts and change the figure to
Romero	SPM	12	328	12	330	Figure SPM.3 is difficult to read. Explain: red: bad; green: good.	make it clearer
		1	520	1	1	This figure seems to reflect population density more than anything else. It could be more relevant here to only represent the average ecological footprint to get an idea or an index of	We have now explained better both concepts and change the figure to
France	SPM	12	328	12	330	human appropration of net primary productivity (HANPP).	make it clearer
	1	1	1	1	350	I suspect policy makers would welcome a bit more information on the assumptions behind the production of the Global Footprint Index - I know this might sound to technical, but a	We have now explained better both concepts and change the figure to
UK: Mark Stevenson	SPM	12	328	12	332	simple box or paragraph summarising the data sources and method of combining them would be helpful.	make it clearer
	İ	1	120	T	1	The map is not correct. The green colouring of Russia is connected to the low number of population in relation to the area of the country. While the population is spread through the	
		1	ĺ		1	country unevenly and considerable territories with low population have high levels of industrial pollution or usage. To my mind, the difference between biocapacity and ecological	We have now explained better both concepts and change the figure to
Olesya Petrovych	SPM	12	329	12	330	Footprint in Russian Federation should be defined individually for each federative unit.	make it clearer
z.zzya i calovych	1	1	323	1 12	330	on imports nad exports of wood show teleconnections? What impacts do they create in the source countries? It would depend on whether forests are sustainable harvested or not, etc.	and the second feet
Unai Pascual	SPM	12	333			on inclear what is the main message by means of the wood trade. What is it trying to say	It is now deleted
Yorick Reviol	SPM	13	333	1	1	So not clear what is the main message by means in the wood trade, which is wellknown? The conclusion may not be the same from one good to another	It is now deleted
	SPM	13	333	13	3 227	Is to possible to provide under examples than any wood, which is weaknown? The concussion may not be the same from one good to another It is possible to provide under examples than any wood, which is weaknown? The concussion may not be the same from one good to another It is possible to provide under examples than any wood, which is weaknown? The concussion may not be the same from one good to another It is possible to provide under examples than any wood, which is weaknown? The concussion may not be the same from one good to another It is possible to provide under examples than any wood, which is possible to the same from one good to another	It is now deleted
Germany	O1 (VI	13	333	13	337	and matter to the second most product to quite specific inight not be appropriate for the si m	no non deleted
Germany Switzerland: José				1	1		
Switzerland: José	SDM	12	277	4-	2 227	Figure SPM 4: difficult to read	It is now deleted
	SPM	13	333	13	337	Figure SPM.4: difficult to read. No doubt the pulse places of flow a map illustration the difference of flow a map illustration the difference of flow a map illustration the difference of flow a map illustration the difference of flow a map illustration the difference of flow a map illustration the difference of flow a map illustration that difference of flow a map	It is now deleted
Switzerland: José Romero	51.11	13		13		We doubt the relevance of such a figure in the SPM because it does not look like much changed between 1997 and 2012. If there is a difference of flow, a map illustrating the difference	
Switzerland: José	SPM SPM SPM	13 13 13	333	13	3 337		It is now deleted It is now deleted It is now deleted

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Mary Mary Mary Mary M	Belgian government -		13	335	13	337	Figure SPM4: Legend & Figure should be clear.	
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Secretary lands to entropy can be compared to the compared to								
1	Olesya Petrovych	SPM	13	340) 1	13 34	2 contributions to people.	This message has been completely rewritten.
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1	EU: Jan-Erik Petersen							
such that we will be such as the such that the many traction and such as the such that the may be control the fore a new dealers in such the first and type and problems of the control that the many traction of the control that the many traction of the control that the many traction of the control that the contr	(EEA)	SPM	13	340)			This message has been completely rewritten.
settlem hands in content, is with a special region. The source a question of where the origination that the household in the state of the content of a special region. The source is a state of the content of the state of the state							I think I struggle with the term 'biodiversity loss' as it is so generic. This would incorporate loss of habitats, species and genetic diversity. It covers loss of extent, degradation or loss of	
should have been seemed and employees ever a last all gains processoring in such as the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a last all gains processoring in the large of employees ever a large of employees e								
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search Witton PAR 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15							Any mention that it is the way that NBP are used and the level of appropriation that leads to the loss of biodiversity and that is eroding the capacity of nature to continue to generate	
Formation depth 1 1 3 2 1 3 2 1 5 7 1 1 2 3 2 1 1 3 2 2 3 2 3 4 2 defining the follower by any many MP—at the second properties of the Section of Section (Section of Section of	Graciela Rusch	SPM	13	340)	34	2 benefits in the future.	Drivers of biodiversity loss are dealt with in other messages.
Formation depth 1 1 3 2 1 3 2 1 5 7 1 1 2 3 2 1 1 3 2 2 3 2 3 4 2 defining the follower by any many MP—at the second properties of the Section of Section (Section of Section of	B. b. at W. t	5014			.1			Th
1	Robert Watson	SPM	13	341		-		The message has been rewritten.
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Deter March 13 348 Not sare what this is saying any is a bit too vague and general. Could you please rephrase of illustrate with examples what are "simultaneous contributions of MCP." [c) is when the same ecopytem provides several MCP." Could you also specify whether for the tropic level you mean "several level of animal consumers"? With "consumers" standing slone here, one would tend to This message has been completely rewritten to be more specific. As Andrew Stort 1974 13 348 13 348 13 349 bot sure what this refers to 7. The message has been completely rewritten to be more specific. This message has been completely rewritten to be more specific. This message has been compl								
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Not always true in my opinion (e.g. forest of pines maximize wood production but homogenize biodiversity). Be careful to not be counter-productive by mentioning things not well for escene that matters. The message has been completely rewritten to be more specific. SPM 1 4 352 14 354 Useful to explain why 14 352 354 Instablished, or critical seasons with the stable of the same hashed by the seasons with the stable of the same hashed by the sa	Sweden: Ola Inghe	SPM	13	349) 1	14 35		
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K: Andrew Stott SPM 15 359 15 360 Reads oddly, better to refer to trends in biodiversity and nature's contributions to people and how these contributions are underpinned by biodiversity' which includes "ecosystems" (http://www.ipbes.net/sites/default/files/downloads/IPBES_2_INF_2_Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145). We have changed considerably this message and now it matches with IPBES framework obert Watson SPM 15 363 15 362 Therefore, change "ecosystems" to "biodiversity" bleet corresponding" This message has been reworded. K: Andrew Stott SPM 15 363 15 366 is it not the decline in biodiversity that has caused to decline in ecosystem services? K: Andrew Stott SPM 15 363 15 366 Don't understand why the reference to diversity is included here? The SPM summarises evidence for trends in NCP and in biodiversity.	Olesva Petrovych	SPM	15	350	,		In all subparts of divisor R there should be mentioned not only the trends of NCP but also clearly notine what exact ecosystem services are used and the connected trade-offs	In IPBES, ecosystem services are framed as NCP
K. Andrew Stott SPM 15 359 15 360 Reads oddly, better to refer to trends in biodiversity and nature's contributions to people. Very important to retain consistency with IPBES definition of "biodiversity", which includes "ecosystems" (http://www.ipbes.net/sites/default/files/downloads/IPBES_1NF_2_Add.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145). We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and now it matches with IPBES framework. We have changed considerably this message and n	2.2370 . Calovyon		13	333			and another the control of the contr	
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nomas Prooks SPM 15 362 15 362 Therefore, change "ecosystems" to "biodiversity". SPM 15 363 Delete "corresponding" K: Andrew Stott SPM 15 363 15 366 Ib in oth te decline in biodiversity that has caused to decline in ecosystem services? K: Andrew Stott SPM 15 363 15 366 Don't understand why the reference to diversity is included here? SPM 15 363 15 366 Don't understand why the reference to diversity is included here? Agreed. The message has been reworded. Agreed. The message was reworded. The SPM summarises evidence for trends in NCP and in biodiversity.				-				
obert Watson SPM 15 363 Delete 'corresponding' K: Andrew Stott SPM 15 363 15 366 ls it not the decline in biodiversity that has caused to decline in ecosystem services? Yes. The message has been completely rewritten. Agreed. The message was reworded. The SPM summarises evidence for trends in NCP and in biodiversity.	L	l	1					
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K: Andrew Stott SPM 15 363 15 366 Don't understand why the reference to diversity is included here? Agreed. The message was reworded. The SPM summarises evidence for trends in NCP and in biodiversity.						15 36		
	UK: Andrew Stott							
K: Andrew Stott SPM 1 15 363 15 366 But is this an increasing trend - or was it always the case? Whether BD-NCP relationships change with time is not known.	l							
	UK: Andrew Stott	SPM	15	363	3 1	15 36	6 But is this an increasing trend - or was it always the case?	Whether BD-NCP relationships change with time is not known.

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							There were no abbreviatios in these lines. In general abbreviatios ahave
UK: Andrew Stott	SPM	15	363	15	366	avoid abbreviation in sub-titles	been avoided completely and message titles were cut.
Robert Watson	SPM	15	364			Delete 'not only extremely diverse, but also,'	Agreed. The message was reworded.
Thomas Brooks	SPM	15	364	15	365	Delete "not only extremely diverse, but also". They are not particularly diverse compared to tropical regions.	Agreed. The message was reworded.
Robert Watson	SPM	15	365			Replace 'live' by 'are found'	The message has been completely rewritten.
UNEP-WCMC: The							
Biodiversity Indicators						Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	The mossage was rewritten. The venture full ILICN red list data are presented
Partnership (BIP)	SPM	15	365	15	366		The message was rewritten. The very useful IUCN red list data are presented in messages on species trends.
Partnership (BIP)	SPIVI	15	303	13	300		
Thomas Brooks	SPM	15	365	10	366	Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	The message was rewritten. The very useful IUCN red list data are presented in messages on species trends.
THOMAS BIOOKS	JI IVI	15	303	13	300	This point about 30% of species being at high risk of extinction keeps coming up. It seems to me that this is an important NCP because people value threatened wildlife. However, there is	in messages on species trenus.
						a danger of it being seen as a proxy of wider NCPs. Again, as above, I'm not sure this is the case and therefore not sure it can be used as a proxy for change that undermines NCPs more	
UK: Mark Stevenson	SPM	15	365	15	365	generally. And so a broader range of examples of loss of value would be helpful	The message has been completely rewritten.
Robert Watson	SPM	15	366			After Central Asia add ', i.e. endemic,'	The message has been completely rewritten.
UK: Andrew Stott	SPM	15	366	15	368	Ecosystem integrity is not included in Target 12. Refers more to Target 5 and 14?	The sentence has been entirely rewritten and this has been corrected
Robert Watson	SPM	15	367			Surely other Aichi targets will not be met	We now have an entire box on progress towards Aichi targets
EU: Karin Zaunberger	SPM	15	367			include footnote to Aichi Target 12	We now have an entire box on progress towards Aichi targets
						As above, NB that the Aichi Targets do not belong to the CBD alone (so delete "Convention on Biological Diversity" here); and if Aichi Target 12 is mentioned with respect to species, Aichi	
Thomas Brooks	SPM	15	367	15	367	Target 5 also be mentioned with respect to ecosystems.	Thanks for reminding us, we have now corrected
							We added some of the drivers of change of NCP trends. We also make sure
Robert Watson	SPM	15	370			This section assesses observed trends but there is ano attribution of why these trends are occuring – please try and make some attribution ststaments – also limited quanification	to provide quantification to our statements
Robert Watson	SPM	15	370			Replace 'NCPs' by 'NCP'	Done
						believe the correct word is production and not use. Use conflates production and trade – so one can have significant increases in use without any change in production in ECA – so	
Robert Watson	SPM	15	371			biodiversity loss is linked to production not use	In the new version we avoid any term that can be mislead or misunderstood.
Robert Watson	SPM	15	371			Replace 'NCPs' by 'NCP'	done
André Mader	SPM	15	371	15		The words "use" and "production" are used more-or less interchanegebley. However, use is probably more closely equated with consumption.	In the new version we avoid any term that can be mislead or misunderstood.
UK: Andrew Stott	SPM	15	371	15	3/5	Spell out acronyms in titles and subtitles	done
1116. A d Ct 44	SPM	15	274	45	275	And the state of t	We do not find natural assets in the text. Anyway, it has been rephrased
UK: Andrew Stott	SPM	15	371	15	3/5	Not clear what the link is with natural assets - seems more like a reference to pharmacology	completely this message
						The mention of cotton here is too specific; there are many crops which may be refererred across the entire region. The question about fuel wood is quite contentious still; as is the issue	
Graciela Rusch	SPM	15	371		374	of bio-fuels. Also, the issue of renewable energy, the question about sources of renewable energy (including bio-wood fuel) is not resolved fully in Europe.	We changed completely the message and simplify
Graciela Ruscii	3F IVI	13	3/1		3/4		we changed completely the message and simplify
						The NCPs trends must more be focused on a biomass-based production from boreal and mixed forests in energetic purpose. Boreal forests traditionally used in energetic purpose. Also,	
Ruslan Novitsky	SPM	15	371	15	391	last years a pilettes production and alternative sources of energy are increasing and partly decline the partitipation of organic-based energy in frames of subregions of ECA.	We changed completely the message and simplify
Husian Hoviesky	31 141		5/1	- 10	331	some of countries (Belarus and less Russia and Ukrine) uses in different reasons pit boggs and marres, including energetic purposes. It is not reflected in relevant section of SPM. A cost-	The changes completely the message and simplify
Ruslan Novitsky	SPM	15	371	15	391	benefits of emission and energy volume can have a negative relations. So, it should be assessed.	We deleted this part of the message and changed it completely
Finnish Government	SPM	15	372	15		check stabilization in biomass-based energy (see comment page 3 line 85)	We deleted this part of the message and changed it completely
EU: Anne Teller	SPM	15	373			delete 'recent' before 'increases' since there is already 'recent' in the preceding sentence.	We deleted this part of the message and changed it completely
Robert Watson	SPM	15	374			Why only urban societies – rural societies do not use medicinal resources! Or is it that rurla populations have stayed constant?	We deleted this part of the message and changed it completely
						for the consection in factor of a consection of the consection of	
Philippe Charrier	SPM	15	374	15	374	(eg, the expression is found several times) « medicinal resources associated with urban societies » : an explanation on what are those medical ressources would be good.	We deleted this part of the message and changed it completely
UK: Diana Mortimer	SPM	15	374	15	374	As above - I don't see the link between increased demand for medicinal resources associated with urban societies - need to explain what is meant by this.	We deleted this part of the message and changed it completely
Norway: Nina Vik	SPM	15	374	15	374	"Medicinal resources associated with urban socities" - what is this? I am aware that it is explained in the chapter but consider giving a short example as it is not intuituve	We deleted this part of the message and changed it completely
Robert Watson	SPM	15	375			See earlir comment on use versus production	In the new version we avoid any term that can be mislead or misunderstood.
Robert Watson	SPM	15	375			Replace 'NCPs' by 'NCP'	done
							We collected data for all the countries of ECA with literature review and
							many indicators from FAO as you could see in the chapter. Anyway, due to
							reorganization of the SPM and word limitations this message has completely
UK: Andrew Stott Robert Watson	SPM	15 15	375 376	15	3/6	Is this a reference to countries? At what level are the data available? Replace 'NCPs' by 'NCP'	changed and collated with other messages of NCP
Robert Watson	SPIVI	15	3/6			Replace NUPS by NUP	done
							Mary Hart data for the house of FCA to be Parent and the
							We collected data for all the countries of ECA with literature review and many indicators from FAO as you could see in the chapter. Anyway, due to
							reorganization of the SPM and word limitations this message has completely
Robert Watson	SPM	15	377			Food – what food – crops, meat, fish – be more specific	changed and collated with other messages of NCP
RODEIT Watson	3F IVI	13	3//			roou – what hour – drops, meat, hish – be more specific	changed and conated with other messages of NCF
							due to reorganization of the SPM and word limitations this message has
Robert Watson	SPM	15	377			Rephrase – only CAP and CFP have affected food production since the 1960s – the fall of the iron curtain and yugoslav wars only affected production since about 1990	completely changed and collated with other messages of NCP
		13	5//		1	hepmass — unity car and cer i mere a necession op nouecount on mine the 12-bit of the control of	samples and condica with other messages of reci
						CAP or adjust the sentence accordingly. In how far did these events and policies (CAP) strongly affect food production? Why is only one conflict addressed (Yugoslav Wars), but not other	due to reorganization of the SPM and word limitations this message has
Germany	SPM	15	377	15	380	armed conflicts in the ECA region?	completely changed and collated with other messages of NCP
,		1	377		330	this paragraph is not clear. You cannot mix the fell of iron curtain, the Yugoslav wars and EU CAP/CFP without a bit of explanations, especially since it is both about increase and decrease	
EU: Anne Teller	SPM	15	377		380	of food provision?	completely changed and we deleted this part
EU: Markus Erhard							due to reorganization of the SPM and word limitations this message has
(EEA)	SPM	15	377	15	380	not to forget the technical dimension, the "Green Revolution" boosting food production by increasing land use intensity and nutrient /pesticide intake at the cost of biodiversity	completely changed and we deleted this part

						The "B1" unit does not include a trend analysis in food production from the point of view of NCPs. The sentence on lines 377-380 applies only to socio-political events. It is necessary to	
						start from the words such as: Treds of food production during the last century indicate a general increase due to the expansion of agricultural areas and the improvement of technology	
						of agricultural production, the use of pesticides and agrochemicals, etc. Intensification of agricultural production and increased use of food services reduces the natural areas, pollution,	
Olesya Petrovych	SPM	15	377		5 20	loss of biodiversity and genetic diversity of crops and potentially useful wildlife, etc., which leads to a number of trade-offices and the reduction of the ecosystem's ability to accomplish regulatory functions.	due to reorganization of the SPM and word limitations this message has completely changed and we deleted this part
Olesya Petrových	SPIVI	15	3//	1:	5 38	Tregulatory functions.	completely changed and we deleted this part
						The fall of Soviet Union did not have any major consequence in trends in food provision?	Yes, it had indeed. However, due to reorganization of the SPM and word
Adriano Mazziotta	SPM	15	377	1	.5 38		limitations this message has completely changed and we deleted this part
/ driding Wazziotta	51.141	13	377		.5		due to reorganization of the SPM and word limitations this message has
France	SPM	15	377	1	5 38	Are the CAP and the CFP of the EU a "socio-political event" comparable to the fall of the iron curtain and the yugoslav war?	completely changed and we deleted this part
							Due to word limitations we cannot expand the message. Indeed, we had to
							cut down the number of words by half. Yet, we tried to give some numbers,
							e.g. Wild fish catches decreased since the 1990s, with more sustainable
							management practices being introduced only recently. Fish production from
							aquaculture increased by 2.7% since 2000 (established but incomplete)
UK: Andrew Stott	SPM	15	377	1	5 38	There is no detail provided about food production. How much has it increased? What changes in production systems? How much land is used? What is the value of production?	{2.2.2.1.2}.
							due to reorganization of the SPM and word limitations this message has
UK: Andrew Stott	SPM	15	377	15	5 38	But what about technology advances - mechanisation, agro-chemicals, bio tech etc?	completely changed and we deleted this part
						Not clear why the three factors referred to caused increases in food production up to 1990 but then declines subsequently – what changed or what was the respective impact of each	due to reorganization of the SPM and word limitations this message has
UK: Vin Fleming	SPM	15	377	1	5 38	driver? Maybe this is in the underlying chapter but policy makers will not read that.	completely changed and we deleted this part
							due to reorganization of the SPM and word limitations this message has
						L	completely changed and we deleted this part. Yet, we tried to convey the
Robert Watson	SPM SPM	15 15	378	 	1	Were the increasing trends achieved through intensification or extensification – what were the implications for other NCP and biodiversity.	message about trade.offs in the SPM
Robert Watson	SPIVI	15	378	-	+	Please quantify both increases and decreases New about the transition decreases. New about the transition from central unlessed and led economics towards the modest economy and consumption? as that falls under the fall of the less Custain?	we tried to convey the message about trade.offs in the SPM
				İ		How about the transition from centrally planned and led economies towards the market economy and consumerism? or that falls under the fall of the Iron Curtain? We should also not forget the historical decisions concerning food production such as land consolidation (destruction of natural areas in and around agricultural lands, soil erosion due to	due to reorganization of the SPM and word limitations this message has
Jeroen Arends	SPM	15	380	1	5 38		completely changed and we deleted this part
Jeroen Arenus	JF IVI	13	300	1.	.5 30	wind untended, could be compared to the compar	completely changed and we deleted this part
						uon Lagree with the the claim that the decline in production in minutapriare seatous since 2000, Sectable the changes in species oversting and the although the and the claim in an une amounts to Laught in she read in the seas of ECA have been observed as early at the 1960-5. It is important to show that decline in production from wild capture seafood is caused by trade-offs through the	We now rephrased as: Wild fish catches decreased since the 1990s, with
						decreasing productivity of the marine ecosystems caused by overexploitation, pollution, anthropogenic transformation of the shores and regulation of rivers as places for breeding of the	
						valuable fish species. Implementation of aquaculture is a necessary step towards the satisfaction of humanity's demand of seafood which marine ecosystems aren't able to satisfy as of	Fish production from aquaculture increased by 2.7% since 2000 (established
Olesya Petrovych	SPM	15	381	1	5 38	lands.	but incomplete) {2.2.2.1.2}.
Olesya i eli ovyen	51.141	13	501		5 50.		We now rephrased as: Wild fish catches decreased since the 1990s, with
							more sustainable management practices being introduced only recently.
EU: Jan-Erik Petersen						This paragrpah seems to imply that marine aquaculture production is a (more) sustainable management practice - in relation to what? And why? Since much of marine aquaculture	Fish production from aquaculture increased by 2.7% since 2000 (established
(EEA)	SPM	15	381			causes severe environmental impacts.	but incomplete) {2.2.2.1.2}.
						We doubt a little bit this conclusion. Are there some references? What is the level of confidence? The picture of overexploitation of fisheries is not as clear as this sentence of the SPM	
						indicates. As mentioned in Chapter 3 page 15 line 499, exploitation of fisheries in Mediterranean is still very high and worrying. But indeed, there is improvement in the Norh-East	
						Atlantic (as stated in Chapter 3 page 11 line 350 and page 13 line 436). The emphasis should be made on the proportion of fisheries assessed and the proportion that are found	
						overexploited, with a focus on the most worrying areas (a figure where the fisheries are weighted according to their MSY could be proposed). It is the sustainable management of	
						fisheries and not the decrease of the aggregate production that is the relevant objective here. Besides, the decline of production is not caused so much by market demand than by an	
						overexploitation of stocks, as shown by Pauly & Zeller. The sentence as it currently stands in the SPM is therefore wrong. See references:	
						Pauly D. & Zeller D., Comments on FAOs State of World Fisheries and Aquaculture (SOFIA 2016) in Marine Policy 77 (2017) 176-181. DOI:	
						http://www.sciencedirect.com/science/article/pii/S0308597X16305516	
						Ye Y, et al, FAO's statistical databases and the sustainability of fisheries and aquaculture: Comments to Pauly and Zeller 2017, Marine Policy (2017), DOI:	
						http://www.sciencedirect.com/science/article/pii/S0308597X17300921	This make siel has been somethor and is now considered and or think land
Franco	SPM	15	381	1	5 38	Pauly D. & Zeller D., The best catch data that can possibly be? Rejoinder to Ye et al. "FAO's statistic data and sustainability of fisheries and aquaculture" in Marine Policy (2017) DOI: http://www.sciencedirect.com/science/article/pii/S0308597X17301380	This material has been rewritten and is now considered under High level
France	OI IVI	15	361	1:	30.		message B, key message A2 and B1 This material has been rewritten and is now considered under High level
UK: Andrew Stott	SPM	15	381	11	5 32	As above, no detailed description of amounts, types, values of seafood capture?	message B, key message A2 and B1
stock		1.7	301	1		The state of the s	This material has been rewritten and is now considered under High level
UK: Andrew Stott	SPM	15	381	11	5 38	Just market demand? Isn't due to the need to better manage stocks?	message B, key message A2 and B1
			301			is this correct - that the decline is due to more sustainable management practices due to market demand - really market demand led to more sustainable practices - what about the role	, , , , , , , , , , , , , , , , , , ,
Robert Watson	SPM	15	382	l		of quotas and regulations?	message B, key message A2 and B1
Germany	SPM	15	383	1	5 38-	"an average rate of 2.7%" < a year?? Pls specify	Rephrased
UK: Andrew Stott	SPM	15	383	15	5 38	How certain is rate of growth?	This material has been removed
Germany	SPM	15	384	15	5 38	"In terrestrial ecosystems," < in ECA?	This material has been removed
						It should be noted that the stability in woodfuel and roundwood production is accompanied by the transformaton of natural forrests into artificial industrial mono-special forrests which	
Olesya Petrovych	SPM	15	384	15	5 38		This material has been removed
UK: Mark Diamond	SPM	15	384	 	4	The unsustainable nature of increased aquaculture should be noted, as it requires large inputs and has large impacts.	Due to word limits in the SPM this is discussed in chapter 2
EU: Markus Erhard	l l			İ	_	I wonder if water scarcity visible in the extreme decline of the Aral sea together with political changes didn't had any impact on cotton production but definitively should have affected	
(EEA)	SPM	15	385	1	5 38	, , , , , , , , , , , , , , , , , , , ,	This material has been removed and is discussed in chapter 2
UK: Diana Mortimer	SPM	15	385	15		What is the point of noting these differences in production - it is as much to do with climate, soils etc as anything else - what message are you trying to get across?	This material has been removed
Germany	SPM	15	388	1	5 38	because diversification of the economies has become part of the national programmes, e.g. Kazakhstan after 2014	This material has been removed and is discussed in chapter 2
				İ			Due to word limits this is discussed more fully in chapter 2 but key message
ı	l			11		what about Central Asia and Caucasus? Still quite some plants being used for medical purposes in Central Asia (starting from tea from wild licorice to juice from dried apricots, etc.)	A1 notes that Unsustainable exploitation threatens the survival of some medicinal plants
C	CD14						Integrana plants
Germany	SPM	15	389	1:	5 39	which about central Asia and cadeasas: still quite some plants being used for intedical purposes in central Asia (starting from tea from who income to jude from the apricots, etc.)	
Germany	SPM	15	389	1:	5 39	Twint about central Asia and caucasus: Still quite some plants seing used for medical pulposes in central Asia (starting from the from who incorrect of piece from united apricors, etc.)	
Germany France	SPM	15	389	1:		Decline since when?	This has been edited to say and key message A1 notes that Unsustainable exploitation threatens the survival of some medicinal plants

r		ı		1			
						There is an assumption here that traditional medicine actually works. And yes there has been 'an increasing demand for medicinal resources by European urban'. You mean medicinal	This has been edited to say and key message A1 notes that Unsustainable exploitation threatens the survival of some medicinal plants . The issues associated with medicinal plants are discussed in chapter 2 and are not just
UK: Diana Mortimer	SPM	15	389	15		resources derived from NCP? What are the links you are trying to explain - it is not clear.	concerned with traditional medicine
UK: Andrew Stott	SPM	15			391	As above - not clear that this is a reference wild plants/animals	Reference to wild plants and animals has been removed
Robert Watson	SPM	15	390	1		Why only urban societies – rural populations and demand has stayed level?	This material has been removed
ECA values liaison group	SPM	15	391			non- material NCPs	title deleted
Robert Watson	SPM	15				non-material wers	NCP acronym is now not used
ECA values liaison	SI IVI	13	332			"as a source of existence value" does not make sense, either delete or spell out in easy language what is meant: the importance of which part of biodiversity, species? See next comment	Net actoriyin is now not used
group	SPM	15	392			for possible formulations	All mentions of existence values have been removed
UK: Andrew Stott	SPM	15	392	15	392	Spell out acronyms in titles and subtitles	These acronyms are now not used
Robert Watson	SPM	15	393			Replace 'NCPs' by 'NCP'	NCP acronym is now not used
							This has been rewritten in key message A1 and the discussion of knowledge
UK: Andrew Stott	SPM	15	393	16	396	Not clear what aspects of this are well established - the increase in cultural values or the decline in knowledge. And the two should not be linked in the same statement.	and values is clearer
ECA values liaison						What matters most to people in Europe are experiences in nature, the role the natural environment plays for sense of place and identity as well as the importance assigned to the	This has been rewritten in key message A1 and A2. All mentions of existence
group	SPM	15	394 397	-		existence of species, particular species? Landscapes? it would be useful to replace biodiversity by something more specific. Double check this is really about existence values.	values have been removed
Robert Watson	SPIVI	16	397			Replace 'NCPs' by 'NCP' The first part of the paragraph talks about NCP use/value in Europe, and the second about capacity in ECA as a whole. Perhaps best to stick to either use or capacity; and to ECA as a	NCP acronym is now not used
André Mader	SPM	16	397	16	404	The instruction the paragraph ranks about NCP uservanue in Europe, and the section about capacity in ECA as a whole. Perhaps uest to stick to either use or capacity; and to ECA as a whole?	Europe mention removed
Andre Widdel	31 101	10	337	10	7 404		Europe mention removed
Yorick Reyjol	SPM	16	397		438	I think it would be worth to mention the different E or CA existing regulations, to identify gaps (no soil directive at EU scale) and 'collisions' among them (e.g. CAP and WFD).	Due to word limits this is discussed more fully in chapter 2
EU: Jan-Erik Petersen						Biodiversity is relevant to many people's expereince in nature but to assume that they want all biodiversity and in particular rare species seems to me to be a '1% view' and not really	This has been rewritten in key message A1 and A2. All mentions of existence
(EEA)	SPM	16	397			representative of what the vast majority of the population look for (who have trouble even distinguishing native from non-native tree species)	values have been removed
						The first and second sentence are contradictory - how people experience the environment is one thing - relating this to the ability of ecosystems is another. For example if you go on holiday to get away from the urban environment and you have no idea of environmental quality then seeing green fields will satisfy your needs whether or not the field are full of	This has been rewritten in key message A1 and A2 and contradiction
UK: Diana Mortimer	SPM	16	397	16	404	biodiversity.	removed
							The sub regional geographical areas mentioned have now been edited an
UK: Andrew Stott	SPM	16	397	16	399	How are you defining European people and Europeans?	always refer to one of more of the 4 ECA sub regions
UK: Andrew Stott	SPM	16	397	16	200	This sentence will need to be simplified.	This has been rewritten in key message A1 and A2. All mentions of existence values have been removed
OK. Andrew Stott	3F IVI	10	337	10	333	This sentence will need to be simplimed.	This has been rewritten in key message A1 and A2. All mentions of existence
André Mader	SPM	16	398	16	399	Is existence value not separate from any of the NCP?	values have been removed
						the issue of existence value and non-material NCP: non-material NCP can be assocaited with existence values, but as it reads it seems that existence value is a kind of non-material NCP,	This has been rewritten in key message A1 and A2. All mentions of existence
Unai Pascual	SPM	16	398			which is not correct.	values have been removed
UK: Andrew Stott	SPM	16	400	16	402	But has the experience declined in either quality or quantity.	This material has been removed and replaced by material on economic value
OK. Allulew Stott	3F IVI	10	400	10	402	But has the experience declined in either quantity or quantity.	This material has been removed and replaced by material on economic value
							This material has been removed and due to word limits measures of land
Robert Watson	SPM	16	401			Can some of the land-use changes be quantified, i.e, quantify some of the converstions that have occurred in ECA	use change are not included in the SPM and are discussed in chapter 2 and 3
Jeroen Arends	SPM	16	402	16		And overexploitation due to increasing numbers of tourism and tourist trips?	Due to word limits this is discussed more fully in chapter 2
UK: Andrew Stott	SPM	16	402		5 404	How do the number or value of these experiences compare with other experiences of nature.	This material has been removed
EU: Anne Teller	SPM	16	404		-	Spell out ILKP	done
Robert Watson	SPM	16	405		-	Replace 'NCPs' by 'NCP'	done
Robert Watson	SPM	16	407			Are the two highlighted sentences consist – the second sentence syas there has been an increase in nature tourism – the first sentence says the capacity of ecosystems to support nature-based tourism has decreased	We consider the description of the constant
Robert Watson	SPIM	16	407			pased tourism nas accreased What other forms of inspiration?	We completely change this message we delete it
RODEIT Watson	3F IVI	10	407			what other forms of mspirations	We rephrased as 'There has been, however, a loss of indigenous and local
							knowledge about ecosystems and species linked to declining linguistic
							diversity, which is the basis for the diverse knowledge of nature (well
UK: Andrew Stott	SPM	16	408	16	409	Certainty of statement, and diversity across ECA?	established) {2.2.3.1.2, 2.3.3}.'
Robert Watson	SPM	16	409			Give an example	We delete it
Robert Watson	SPM	16	409			Replace 'NCPs' by 'NCP'	done
							We rephrased as 'There has been, however, a loss of indigenous and local knowledge about ecosystems and species linked to declining linguistic diversity, which is the basis for the diverse knowledge of nature (well
Germany	SPM	16	412	16	413	link to languages not clear. This is not implied by biodiv loss. please also explain "linguistic diversity has been shaped by biodiversity"	established) {2.2.3.1.2, 2.3.3}.'
						2 phrases about beliefs and traditions : there should be a small declination by subregion.	We completely changed the message and now this text does not appear
Philippe Charrier	SPM	16	413	16	416	- princes about control and about one a single occurrence of page 1990.	anymore
ECA values liaison	SPM	4.0	413			isstead of "use of nature and the NCDs thoughout which again links us up only to NCDs out "use and consolidation of nature "original and less which	We completely changed the message and now this text does not appear anymore
Robert Watson	SPM	16	413		1	instead of "use of nature and the NCPs they value", which again links value only to NCPs say "use and appreciation of nature." easier to understand and less ambigous Replace 'NCPs' by 'NCP'	done
Sweden: Hannah	JI 141	10	414	†	1		We completely changed the message and now this text does not appear
Östergård	SPM	16	414	16	5 414	leading to the conclusion	anymore
							We completely changed the message and now this text does not appear
Jeroen Arends	SPM	16	416	16	416	Also, the main religions often have their sites of worship (churches, monasteries, etc.) in natural areas.	anymore
Robert Watson	SPM	16	417		1	Replace 'NCPs' by 'NCP'	done
Germany	SPM	16	417	16	462	this section contains a lot of information, but it is difficult to follow.	We simplify the message considerably
Robert Watson	SPM	16	418			The text below should explain why there has been a decline in regulating NCP -	We briefly explain some of the factors driving NCP trends in Message A2
Robert Watson Robert Watson	SPM	16 16		 	+	Ine text below should explain why there has been a decline in regulating NLP - Replace 'NCP' sho 'NCP' Replace 'NCP' sho 'NCP'	done
HODEIT WATSUII	21 141	10	410			prepare net a by net	uone

							In the new version this is corrected. But, please note that messages have
André Mader	SPM	16	418	16	452	The bold text seems somewhat "removed" from the following detailed text. For example the non-bold text begins on marine habitats, which are not mentioned in bold.	chenged considerably
André Mader	SPM	16	418	16	421	Nature's contributions to people cannot "decline in capacity". Rather, nature's capacity to contribute to people can decline.	Ritgh. We consider this comment throughout the new text of NCP messages
Sweden: Cecilia Lindblad	SPM	16	418	17	452	In section B Short text explaining the interlinkage between terrestrial, freshwater(river runoff) and coastal marine ecosystem,. Land -Sea interactions (e.g. LOICZ project)	Due to word limitation we cannot explain the interlinkages between terrestrial and marine systems. We anyway change the messages.
André Mader	SPM	16	425	16	425	The word "occurrence" is redundant if "abundance" and "diversity" are both being used here.	Agree, we now rephrased it
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	16	426	15	i 427	Excellent use of these data; very important to retain.	Thanks
Thomas Brooks	SPM	16	426	15	427	Excellent use of these data; very important to retain.	Thanks
UK: Andrew Stott	SPM	16	426	16	427	Do the IUCN Red Lists have information about abundance of pollinators, rather than about distribution? It is difficult to establish a relationship between range and diversity reductions and the level of pollination which may depend on a few abundant species.	We have built this message based on the Assessment of pollinators. To clarify it now reads as 'Since 1961, Mediterranean and Central Asian countries have increased production of pollinator-dependent fruits (established but incomplete) (2.2.1.2). However, the diversity and abundance of wild insect pollinators have declined since the 1950s and severe losses of the western honeybee have occurred in Europe since 1961 (established but incomplete) (2.2.1.2). As there are different sources with different trends, we do not provide the
Jeroen Arends	SPM	16	427	16	427	Other recent research indicates that the overall number of insects has declined in Europe by 70%	percentage in the SPM
France	SPM	16	428	16	428	Do you mean "surface water extraction"?	We has rephrased this part completely. Now it reads as: Water security depends strongly on the regulation of water quality and quantity by ecosystems, which is impaired by pollution, decreasing floodplain and wetland area, overexploitation of freshwater bodies, and climate change (established but incomplete) (2.1.6, 2.1.7).
		10		10	1		We meant constant trend. We rephrased accordingly and change the figure
Robert Watson	SPM	16	429		ļ	The trend is stable: Do you mean that there is no trend – a stable trend can be a stable increase or decrease	SPM5
Robert Watson	SPM	16	431			Water quality has not decreased in all European rivers since 1990 – many UK rivers have improved at least with respect to chemical contamination	We has rephrased this part completely. Now it reads as: Water security depends strongly on the regulation of water quality and quantity by eccosystems, which is impaired by pollution, decreasing floodplain and wetland area, overexploitation of freshwater bodies, and climate change (established but incomplete) {2.2.1.6, 2.2.1.7}.
Andrew Wade	SPM	16	431	16	i 434	The comment on water quality deterioration seems to contradict preceding chapters which note that water quality has improved due to wastewater treatment.	We has rephrased this part completely. Now it reads as: Water security depends strongly on the regulation of water quality and quantity by ecosystems, which is impaired by pollution, decreasing floodplain and wetland area, overexploitation of freshwater bodies, and climate change (established but incomplete) {2.2.16, 2.2.1.7}.
France	SPM	16	431	16	i 434	The capacity of regulating water quality: needs a few words of explanation, examples, or hints on how the conclusion is obtained	We has rephrased this part completely. Now it reads as: Water security depends strongly on the regulation of water quality and quantity by ecosystems, which is impaired by pollution, decreasing floodplain and wetland area, overexploitation of freshwater bodies, and climate change (established but incomplete) {2.2.1.6, 2.2.1.7}.
	SPM	16	431	16		The text reads: «Since the 1990s, water quality in European rivers and floodplains has deteriorated». This is not the case for all parameters and for all countries. This statement is only nuanced by «aithough the capacity of nature to remove pollutants varies between countries », which gives the impression that the improvements of water quality observed for some	We change the SPM and this phrase does not appear anymore
France	3FIVI	16	431	16	431	parameters in some countries are only due to the capacity of nature to remove pollutants, whereas they are also due to (sometimes significant) reductions in pollutants releases. This statement seems to be unbalanced and the reference to Germany is taken out of context (compare to chapter 2, p. 32, I. 855f and p. 4, I. 93-94). Rather than referring to individual	we change the 31M and this philase does not appear anymore
Germany	SPM	16	432	16	434	countries in Western Europe, it would be more appropriate for the SPM to compare capacity for water quality regulation at the sub-regional level.	We change the SPM and this phrase does not appear anymore
Graciala Rusch	SPM	16	422		434	I suggest to indicate how good the knowledge coverage is. The statement that e.g. in Germany, Spain and Romania, water quality has deteriorated. Does this mean that water quality has not deteriorated in other countries. Is there full coverage of data? I would modulate this a bit, for instance indicating first a more general statement and then indicating, for instance the	
Graciela Rusch	JF IVI	16	432		434	water quality inhas deteriorated.	We change the SPM and this phrase does not appear anymore Nature's capacity. Now we phrase as regulation of water quality by
UK: Diana Mortimer	SPM	16	433	16	433	the capacity to regulate water' whose capacity - nature's, man's ?	ecosystems Due to word limitation we cannot explain the drivers of NCP losses. We
Philippe Charrier	SPM	16	435	16	437	about soil erosion: there should be a very brief explanation on the subregional sources/causes of erosion.	anyway change the messages.
Belgian government - Hilde Eggermont (IPBES National Focal		16	435	17	440	Importance of soil biodiversity (especially microbial biodiversity) for soil fertility should be stressed. Technical chapters should make reference to methodology used for measuring soil fertility	
Point)	SPM						We change the SPM and this phrase does not appear anymore
EU: Jan-Erik Petersen (EEA)	SPM	17	439			observed loss of soil fertility' across all of ECA? Or what do you mean? And please provide evidence for this statement!	Yes, correctly. However, We change the SPM and this phrase does not appear anymore
Robert Watson	SPM	17	440			is the improvement due to afforestation or reforestation or agro-forestry – reforestation is on lands that were once covered by forests whera-as afforestation is on land s that were never previosuly covered by forests	We change the SPM and this phrase does not appear anymore

	•							
							Rephrase: The capacity to regulate extreme flood events in Europe has declined because most floodplains have been markedly transformed (well established). This transormation,	
							coupled with an increase in the frequency of extreme precipitation events, has resulted in an increase in the number of severe flood events in Western and Central Europe over the	
Robert Watson	SPM		17	441			period 1980-2010	We change the SPM and this phrase does not appear anymore
	SPM		17	441	17		The number of severe flood events increased not only because of transformed floodplains but also due to changing rainfall pattern.	We change the SPM and this phrase does not appear anymore
UK: Andrew Stott	SPM	-	17	441	17	442	Is the transformation the cause of severe flooding, or is severe flood damage the consequence of development of floodplains.	We change the SPM and this phrase does not appear anymore
							While the transformation of floodplains will have contributed to more floods – another major factor is an increase in heavy precipitation events due to human-induced climate change –	
Robert Watson	SPM		17	442			text should recognize the increase in floods is due to both factors	We change the SPM and this phrase does not appear anymore
Germany	SPM		17	442	17		are there more recent data?	We change the SPM and this phrase does not appear anymore
WWF Norway	SPM SPM		17 17	444 444	17 17		Does this mean there are no other ECA countries among the top 20?	We change the SPM and this phrase does not appear anymore
	SPM		17	444	17		Germany and France 'are reported to be,' rather than 'are'	We change the SPM and this phrase does not appear anymore
Jeroen Arends France	SPM		17	445	17		This likely to increase due to climate change.	We change the SPM and this phrase does not appear anymore
France	SPIVI	-	1/	446	1/	448	Idem for the air quality regulation by vegetation : needs a few words of explanation, examples, or hints on how this is evaluated What are you trying to tell the reader in this paragraph? Why are forests now better are regulating air quality? Why is that important? And what is meant by 'decreases in air quality	We change the SPM and this phrase does not appear anymore
							what are you trying to ten the reader in this paragraphic why are thoses however exterior and quality; why that important And with the meant by decreases in an quality regulation involving rivers, lakes and wethanks? Do you mean the ability of these systems to regulate air quality? be careful with the word 'regulation' and again why are these	
UK: Diana Mortimer	SPM	l .	17	446	17	440	regulation involving invers, takes and wetchins : Do you mean the ability of these systems to regulate an quality; De tareful with the word regulation, and again why are these ecosystems changing and why is that important?	We change the SPM and this phrase does not appear anymore
OK. Diana Worthine	3F IVI		1/	440	- 1/	440	ecosystems changing and why is that important:	Totally right. This message has changed in the new version so there is no
Robert Watson	SPM		17	448			l am being slow but how do rives and lakes impact on air quality	difficult links between NCP and ecosystems anymore
NODETC WatSoff	31 141		1/	440			An difference should be made between carbon sequestration in absolute or relative terms. It is well established that wetland absorbs 30 times more carbon than forest but surfaces are	We rephrased this message in the new version and this phrase does not
EU: Anne Teller	SPM		17	450		452		appear anymore
LO. Allife Teller	31 141			430		432	amount 30 time and the accessed, especially since we cannot be indeed to extra the access of the acc	We changed the representation of this diagram to make it clearer. We also
Robert Watson	SPM		17	453			l do not see where this figure is referenced in the text. The figure is very good but the time period is needed as trends change over time	cite it in the main text
			-					We changed the representation of this diagram to make it clearer. We also
André Mader	SPM		17	453	17	462	Might it be viable to simplify this figure by using arrows for as for the ILK column? No colour key would be required then.	expland the figure caption
		t i	1			.02	Control of the contro	We changed the representation of this diagram to make it clearer. We also
Yorick Reyjol	SPM	17	453				Figure a bit difficult to apprehend. Is it possible to simplify it because it is very interesting	expland the figure caption
		†	1.55				Figure SPM 5: (1) explanation of the figure should be given in the text and not so extensively in the title ("Overall, 67% of publications providing evidence on the status and trends of	- Production of the second
							NCPs reported decreasing trends, which was similar to the trends reported by ILKP sources. 22% of publications reported increasing trends. There was variation between NCPs and ECA	
							sub-regions, but not across NCP categories."); (2) Explanation should be developed further. (3) Also, to the reader it is not clear, what the numbers mean (for mixed, decreased, stable	We changed the representation of this diagram to make it clearer. We also
Germany	SPM		17	453	17	462	and increased means), upper left. Number or proportion (of what) of publications?	expland the figure caption
,								We changed the representation of this diagram to make it clearer. We also
WWF Norway	SPM		17	453	17	462	Figure SPM 5: It's not clear if the ECA bar is a summary of the 4 previous bars (WE, CE, EE & CA), or if it is a summary of studies done specifically in the ECA region as a whole.	expland the figure caption
								We changed the representation of this diagram to make it clearer. We also
France	SPM		17	453	17	460	Complete the captions : needs a unit (%?), comment why for some items, there is only a regional value, comment the fact that central Asia is not well documented; comment the corpus	
							This figure is important but difficult to read. Summary tables on similar topics can be found in the recent interim report of the French national ecosystem assessment:	
France	SPM		17	453	17	Figure SPN	http://www.ecologique-solidaire.gouv.fr/sites/default/files/Th%C3%A9ma%20-%20Efese%20-%20Rapport%20interm%C3%A9diaire.pdf	We changed the representation of this diagram to make it clearer.
							Is the work of the MAES working group part of the study mentioned in this table ? See e.g.: http://biodiversity.europa.eu/maes and more particularly	
France	SPM		17	453	17	Figure SPN	http://catalogue.biodiversity.europa.eu/uploads/document/file/1227/lbna27143enn.pdf	All the literature is part of this figure, including MAES
UK: Andrew Stott	SPM		17	453	17		This is a helpful summary but a bit overwhelming. Would it be better to separate out each sub-region and not compress into five columns?	We changed the representation of this diagram to make it clearer.
UK: Mark Diamond	SPM		17	453	17		SPM5: the use of the proportion of literature that showed increasing trends seems, without more information, to be potentially biased.	We changed the representation of this diagram to make it clearer.
							Fig SPM 5: not so easy to grasp, not intuitive. Are there ways to make this easier to understand? I understand from the text what it is meant to illistrate (trends in NCPs) but the figure	
Norway: Nina Vik	SPM		17	453	17	461	itself is not easy to understand	We changed the representation of this diagram to make it clearer.
							Fig SPM 5. There is no reference to the figure in the text. It is not clear how the results from different ECA subregions lead to the overall ECA result. Is ECA an average or sum of the	We changed the representation of this diagram to make it clearer. Now it is
Finnish Government	SPM		17	453	17	462	subregions? In hab creation there is only one subregion (W Europe) but the ECA looks different. Why are they not the same?	well cited in the text
Robert Watson	SPM		17	454			Replace 'NCPs' by 'NCP'	Done
Robert Watson	SPM		17	456			Replace 'NCPs' by 'NCP'	Done
Belgian government -		17	460	1	17	461	Figure SPM5: 67% + 22% = 99%; what about the remaining 1%?	
Hilde Eggermont								
(IPBES National Focal								
Point)	SPM							We changed the representation of this diagram to make it clearer.
Switzerland: José								
Romero	SPM	:	17	460	17	460	Figure SPM 5 is too complicated. Please simplify it.	We changed the representation of this diagram to make it clearer.
EU: Markus Erhard			1			1	The use of blue colors for "mixed" vs. Red - yellow - green for bad to good is a bit confusion. May be grey instead of blue would be a better choice because blue in this context usually	
(EEA)	SPM		17	461			indicates "very good"	We changed the representation of this diagram to make it clearer.
Robert Watson	SPM	1 :	17	462		ļ	Replace 'NCPs' by 'NCP'	Done
			1			1		It is now extensively revised for clarity, style and content. All paragraphs are
Yorick Reyjol	SPM	18	463	1	19	536	Too much text, not enough Tables/Figures	also much shorter.
Belgian government -		18	463	1	19	533	Sections B4/B5/B6 - and especially the bold sections should be written in an as systematic and structured way as possible, and that the paragraphs are carefully checked on whether they	
Hilde Eggermont						1	do not convey hidden unwanted messages. For instance if the introductory sentences to these paragraphs differ it suggests that the mechanisms differ. It would be good to also list the	
(IPBES National Focal							COMMON mechanisms of biodiversity threats in terrestrial, marine and freshwater systems. There is clear evidence for some common threats across terrestrial, marine and freshwater	
Point)							systems such as habitat destruction, pollution, climate change, overharvesting and exotic species. In a second sentence it might then be good to focus on biome-specific causes of	
							biodiversity decline (eg deforestation in terrestrial, overfishing in marine systems,)	Thank you for this valuable comment. We have now revised with the intent
	SPM							to follow the same structure and type of key messages throughougt.
1								
			1			1		
		i				1	Sections B4, B5 and B6 on Status and trends of terrestrial, marine and freshwater biodiversity:	
						1	All three of them need to be thoroughly revised and rewritten, in particular in parts re. the Habitats and Birds Directives:	We have checked all values to ensure they are as reported in the EEA report,
				ļ				
							 reporting results are expressed as % of assessments, and not % of species or habitats as in the text. 	and have replaced the term ecosystem with habitat follwing terminology in
EU: Katarzyna Biala							• the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text.	the EU Habitat Directive and the EU biodiversity plan. We also now clarify
(EEA)	SPM	:	18	464		489	• the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text. • all the values of status and trends should be re-checked with the EEA 2015 report 'State of nature in the EU' (https://www.eea.europa.eu/publications/state-of-nature-in-the-eu).	the EU Habitat Directive and the EU biodiversity plan. We also now clarify that we refer to assessments as opposed to population or species
(EEA) Thomas Brooks	SPM		18	464	18	464	* the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text. **all the values of status and trends should be re-checked with the EEA 2015 report 'State of nature in the EU' (https://www.eea.europa.eu/publications/state-of-nature-in-the-eu). **Delete 'not only extremely diverse, but also". They are not particularly diverse compared to tropical regions.	the EU Habitat Directive and the EU biodiversity plan. We also now clarify that we refer to assessments as opposed to population or species Deleted "extremely diverse"
(EEA) Thomas Brooks WWF Norway			18 18 18		18 18 18	464 465	• the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text. • all the values of status and trends should be re-checked with the EEA 2015 report 'State of nature in the EU' (https://www.eea.europa.eu/publications/state-of-nature-in-the-eu).	the EU Habitat Directive and the EU biodiversity plan. We also now clarify that we refer to assessments as opposed to population or species

						As above, NB that the Aichi Targets do not belong to the CBD alone (so delete "Convention on Biological Diversity" here); and if Aichi Target 12 is mentioned with respect to species, Aichi	
Thomas Brooks	SPM	18	46			6 Target 5 also be mentioned with respect to ecosystems.	Agreed, and corrected in the box where they are now all treated.
Denmark	SPM	18	46	5	46	6 delete sentense. The assessment is not mandated to conclude on the progress on aichi-targets	It is actually as per the scoping document
D. b. at 14/24	SPM	40	46	_		What had a state of the state o	we now report on Aichi target 12 and 13, as per scoping document we have
Robert Watson		18	46			Why only mention Aichi target 12	to follow
UK: Andrew Stott	SPM SPM	18 18			8 46	9 Within the EU?	Across all ECA, we feel in the revised version is clearer
Robert Watson	SPM	18	4/0	J		Please list the 4 hot spots	Deleted
UNITED MICHAEL The							
UNEP-WCMC: The							
Biodiversity Indicators Partnership (BIP)			470			Add "species within" to read "ca. 25% of species within selected animal and plant groups", surely?	
Thomas Brooks	SPM	18		_		1,Add "species within" to read "ca. 25% of species within selected animal and plant groups", surely? 1,Add "species within" to read "ca. 25% of species within selected animal and plant groups", surely?	deleted deleted
Inomas Brooks	SPIVI	18	4/0) 1	8 4/	1 Add - Species within - to read - ca. 25% of species within selected animal and plant groups , surely?	deleted
WWF Norway	SPM	18	470	1:	8 47	How many global biodiversity hotspots are there in total? Saying that ECA hosts 4 of the global biodiversity hotspots might not mean much to policy makers without a reference frame	and the date of the section
WWF Norway	SPM	18	4/0) 1	8 4/		we deleted the reference altogether
Charles B. Ashard	SPM	18	470			Land and the second a	Thank you for this valuable comment. We have now revised with the intent
Stuart Butchart	SPINI	18		,	-	Important to keep this text on status and trends in extinction risk.	to follow the same structure and type of key messages throughougt.
Robert Watson	SPM	18	47:	1	-	What does selected mean?	it has been deleted
						l	we felt that it was not necessary to introduce a word if the level of
Robert Watson	SPM	18	47:	1		After in the region add ', i.e., endemic'	endemism was only going to be reported here
							Yes as it downscales the global targets to the ECA level and reports on the
							ECA share of responsibility towards global biodiversity targets. However we
							have eliminated the text on extinctions and focussed on extinction risk and
UK: Andrew Stott	SPM	18	47	1 1	8 47	3 is regional extinction when applied to ECA a meaningful concept?	population trends of extant species
UNEP-WCMC: The						Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	
Biodiversity Indicators							
Partnership (BIP)	SPM	18	47.			·	thank you
Thomas Brooks	SPM	18	47.	2 1	8 47	4 Excellent use of these data; very important to retain. Add "according to the IUCN Red List of Threatened Species" after "extinction".	thank you
							that number is unknown. We have now removed all text on extinctions
Robert Watson	SPM	18	47	3		What is the total number of invertebrate species and what about trends in other terrestrial species	anyway.
							it referred to comprehensively assessed terrestrial species, from all
							taxonomic groups endemic of ECA but now revised to report only global
Adriano Mazziotta	SPM	18	47	3 1	8 47	3 Do you refer to 30% of vertebrate species here? This should be stated.	estimates (39%)
							It doesn't actually, only those that spend part of their life-cycle outside ECA.
UK: Andrew Stott	SPM	18	473		-	4 Excludes migratory species	There are several ECA endemics that are migratory.
Norway: Nina Vik	SPM	18			3 47	3 Considering the 500 year perspective used as a base for number of extinctions in the region. Have the other regional assessments used a similar baseline?	We believe so as it's the standard level for IUCN assessments
Robert Watson	SPM	18	47			Can you be more specific – please quantify the changes in extent of some specific ecosystems	we now do so for all 3 realms
UK: Andrew Stott	SPM	18				6 This is rather vague statement. Some further examples of %decline would be useful. Over what timescale.	we now do so for all 3 realms
Adriano Mazziotta	SPM	18	47			7 Replace "sets" with "communities"	done, and now in A5
André Mader	SPM	18	48:	1 1	8 48	2 Are these percentages of the subregions that are mentioned, or of the region as a whole?	the sub-regional share of all specie
		10					
		10					
UNEP-WCMC: The		10				Excellent use of these data: very important to retain	
Biodiversity Indicators		10				Excellent use of these data; very important to retain.	
Biodiversity Indicators Partnership (BIP)	SPM	18	48:		8 48	5	thank you
Biodiversity Indicators		18 18	48:				thank you thank you
Biodiversity Indicators Partnership (BIP)	SPM	18	48:			5	thank you
Biodiversity Indicators Partnership (BIP) Thomas Brooks	SPM SPM	18 18	48: 48:	1 1:		5 Excellent use of these data; very important to retain.	thank you Being threatened and declining are different matters, they can be improving
Biodiversity Indicators Partnership (BIP) Thomas Brooks	SPM SPM SPM	18 18	48: 48: 48:	1 1:	8 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta	SPM SPM SPM SPM	18 18	48: 48: 48: 48:	1 1: 3 5 1:	8 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 it would be informative to know the period for which the trends were evaluated.	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier)
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott	SPM SPM SPM SPM SPM	18 18 18 18	48: 48: 48: 48:	1 13 3 15 5 11	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 it would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott	SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18	48: 48: 48: 48: 48: 48:	1 1: 3 3 5 1: 5 1: 5 1:	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott	SPM SPM SPM SPM SPM	18 18 18 18	48: 48: 48: 48: 48: 48:	1 1: 3 3 5 1: 5 1: 5 1:	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 it would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott Robert Watson	SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18	48: 48: 48: 48: 48: 48: 48:	1 1: 3 5 1: 5 1: 6 1: 7	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18	48: 48: 48: 48: 48: 48:	1 1: 3 5 1: 5 1: 6 1: 7	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott UK: Andrew Stott EU: Sophie Condé	SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18	483 483 484 484 484 483 483 483	1 1: 3 3 5 1: 5 1: 5 1: 7 7	8 48 8 48 8 48 3 48 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and"	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government -	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18	48: 48: 48: 48: 48: 48: 48:	1 1: 3 5 1: 5 1: 6 1: 7	8 48 8 48 8 48 3 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government - Hilde Eggermont	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18	483 483 484 484 484 483 483 483	1 1: 3 3 5 1: 5 1: 5 1: 7 7	8 48 8 48 8 48 3 48 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and"	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government - Hilde Eggermont (IPBES National Focal	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18	483 483 484 484 484 483 483 483	1 1: 3 3 5 1: 5 1: 5 1: 7 7	8 48 8 48 8 48 3 48 48	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and"	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18 18	483 483 483 484 484 484 484 488	1 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	488 488 488 488 488 488 488 488	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and" add "this is a first step to put EU Countries" otherwise it seems we will reach the target doing business as usual.	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments and checked and edited the numbers where needed sentence now removed
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government - Hilde Eggermont (IPBES National Focal Point) UK: Andrew Stott UK: Andrew Stott	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18 18 18 18 18 18 18 1	48: 48: 48: 48: 48: 48: 48: 48:	1 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	488 488 488 488 488 488 488 488	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Coosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements 8 Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and" add "this is a first step to put EU Countries" otherwise it seems we will reach the target doing business as usual.	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments and checked and edited the numbers where needed sentence now removed following this we now refer only to Aichi targets
Biodiversity Indicators Partnership (BIP) Thomas Brooks Robert Watson Adriano Mazziotta UK: Andrew Stott UK: Andrew Stott UK: Andrew Stott Robert Watson EU: Sophie Condé Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	18 18 18 18 18 18 18 18	483 483 483 484 484 484 484 488	1 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1:	488 488 488 488 488 488 488 488	5 Excellent use of these data; very important to retain. Why are there high percentages of threatened in Macaronesian islands when the earlier sentence noted that the ecosystems in Macaronesian Islands were not in decline 9 It would be informative to know the period for which the trends were evaluated. 8 Need to be clear than Annex I and II trends are only within the EU 8 Provide a time period for these trends Ecosystem types: Which ecosystems are improving which are still declining – policymakers need details not just general statements Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-improving and Unfavorable-stable", it should be: "37% of habitats assessments and 24% of species assessments related to annexes I and II of the EU versus 30% and" add "this is a first step to put EU Countries" otherwise it seems we will reach the target doing business as usual.	thank you Being threatened and declining are different matters, they can be improving but still highly threatened with extinction, which is indeed the case here now reported (2007-2012 relative to the 6 years earlier) yes, revised now done, see reply to line 948 we give the detail in SPM figure 5 and in the chapter Correct, we have extensively revised, clarified that we refer to assessments and checked and edited the numbers where needed sentence now removed
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						Add a short paragraph along the lines of "In the ECA region, the total coverage of protected areas is 10%, with 14% of its terrestrial area and 4% of its marine area being protected (well	
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Stuart Butchart	SPM	18	489			Bird & Biodiversity Areas (well established)." based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	left for the chapter due to space constraints
Robert Watson	SPM	18	491			What about ocean acidification which is a separate issue from climate change	This message has been completely rewritten. Ocean acidification is considered in a different message.
						Sections B4, B5 and B6 on Status and trends of terrestrial, marine and freshwater biodiversity:	
						All three of them need to be thoroughly revised and rewritten, in particular in parts re. the Habitats and Birds Directives:	
						• reporting results are expressed as % of assessments, and not % of species or habitats as in the text.	
EU: Katarzyna Biala						• the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text.	
(EEA)	SPM	18	491	19	513	all the values of status and trends should be re-checked with the EEA 2015 report 'State of nature in the EU' (https://www.eea.europa.eu/publications/state-of-nature-in-the-eu).	see response to comment at line 919, the comments are identical Agreed. The message has been completely rewriiten and this statement
France	SPM	18	491	18	8 492	Leminare warning is outwood such interiner extraprintation in uninter change in as increased exponentially uning the zoon reliable; in the relative	clarified.
Robert Watson	SPM	18	492			Replace 'exponentially' by 'significantly'	The message has been completely rewritten and this statement clarified.
Robert Watson	SPM	18	492			Delete 'further'	The message has been completely rewritten and this statement clarified.
Switzerland: José	51111	10	132			State William	The message has been completely rewinted and this statement durined.
Romero	SPM	18	492	18	8 492	Is the growth of these drivers really "exponential"?	No. The message has been completely rewritten and this statement clarified.
Robert Watson	SPM	18	495			Define recovery – which aspects are recovering	This has been clarified.
Robert Watson	SPM	18	499		+	Implications for Aichi targets and SDGs	Such implications are now summarised in a specific box.
Robert Watson	SPM	18	500			Is fishing down the trophic chain, i.e., changes in the size distribution and age structure, included in the issue of distribution or is that simply spatial distribution	Here, spatial distribution was meant. Body size is treated elsewhere.
	SPM	18	501	18	8 501	This is the only time that the term "native biodiversity" is used in the SPM. Perhaps it should be used more consistently throughout?	Terms were checked for consistency.
UNEP-WCMC: The						Excellent use of these data; very important to retain.	The state of the s
Biodiversity Indicators Partnership (BIP)	SPM	19	505	19	9 511		The message was rewritten. The very useful IUCN red list data are presented in messages on species trends.
, a						Excellent use of those data year important to setain	The message was rewritten. The very useful IUCN red list data are presented
Thomas Brooks	SPM	19	505	19	9 511		in messages on species trends.
						I would significantly rephrase this sentecne because it underplays the seriousness of the situation. I would suggest text along the following lines – "Of the 31% of fish species with good trend data, 8.4% have declining populations (i.e., 27%), 21.5% show no trend (i.e., 70%) and only 1.7% are increasing (i.e., 3%). This reformulations shows that of those fish species with	The message was rewritten. The very useful IUCN red list data are presented
Robert Watson	SPM	19	507		511	Level data, a-x in revenue in into populations (i.e., 27 /s), 21.3/s show no trend (i.e., 70/s) and only 1.7/s are increasing (i.e., 3/s). This retorminations shows that of those har species with 1 good date, nearly are a third are in decline.	in messages on species trends.
						I would significantly rewrite these messages – the seriousness of the problem is obscured with the presentation of the numbers.	
						The bolded paragraph highlights the fact that the habitat loss target is likely to be met but far more imporatnt is that almost none of the systems are near conservation status – that is	
						what should be highlighted. Also the key message is not that 76% of freshwater fishes and 83% of freshwarer mollucs have unknown populations – the key message is that of the 24% of fish that have good data, 70% of them aare declining. These are the messages for the bold paragraph. I suggest some of the following text is used:	
						Freshwater species and habitats are in general the most threatened in the ECA region (established but incomplete). The prognosis for freshwater ecosystems in ECA is, in general,	
						negative and none of the respective regional and global biodiversity targets are on track to be met. 66% of freshwater habitats in the EU have an unfavourable conservation status, with	
						86% of wetlands, mires and bogs having an unfavourable conservation status (well established). Of the 24% of fish species that have good data, 70% of their populations are declining,	
Dahart Matean	SPM	19	515		522	and amphibians and freshwater invertebrates are in critical consition.	the whole key message has been entirely rewritten following this and other comments.
Robert Watson	SPIVI	19	515		553	Also please use this approach to the numbers in the unbolded paragraph.	comments.
						Sections B4, B5 and B6 on Status and trends of terrestrial, marine and freshwater biodiversity:	
						All three of them need to be thoroughly revised and rewritten, in particular in parts re. the Habitats and Birds Directives:	
EU: Katarzyna Biala						• reporting results are expressed as % of assessments, and not % of species or habitats as in the text. • the word 'ecosystem' is used in some places instead of 'habitat', which is particularly misleading due to the use of 'ecosystems' in another context in other parts of the text.	
(EEA)	SPM	19	515	19	533	a self the values of status and trends should be re-checked with the EEA 2015 report "State of nature in the EU" (https://www.eea.europa.eu/publications/state-of-nature-in-the-eu).	see response to comment at line 919, the comments are identical
(7						This sentence is ambiguous. Are freshwater species and habitats more threatened in the ECA region than in the other three regions (Africa, the Americas, Asia & the Pacific), or are	
WWF Norway	SPM	19	515	19	9 515	freshwater species and habitats more threatened in the ECA region than other species and habitats in the ECA?	it is about other species and habitats, it should be evident now
						The text reads: «none of the respective regional and global biodiversity targets are on track to be met. The only exception to this is CBD target 5 (halving the rate of habitat loss by 2020) which is on track to be met in EU countries ()». It would be useful to clarify which are the regional and global targets that are not on track to be met, in order to better understand what	•
France	SPM	19	517	19	520	which so it date, to be meet in Ex countries ()». It would be useful to carry which are the regional and global arights that are not on track to be meet, in order to better understand what I is not included in the exceptions (which seems fairly large, if one considers only freshwater ecosystems in Europe).	now deleted
	SPM	19	518			delete both sentenses. Same rationale as above.	deleted
EU: Sophie Condé		19	523			Facts related to EU Habitat directive: Difficult to understand how the different categories have been summed; but seems wrong, If the point is to sum up "Unfavorable-inadequate and	
	SPM					Unfavourable-bad" it should be: "73% of freshwater habitats assessments in the EU have an unfavourable conservation status"	thank you, now corrected
Thomas Brooks	SPM	19	523	19	9 524	It's not clear what "conservation" refers to here. Delete (twice) - unnecessary.	conservation status is a term used by the EU for its directive, at any rate we removed the sentence
	SPM	19	524			" of which 85 % of assessments have an unfavourable conservation status."	replaced with "mire and bogs being the most critical"
UNEP-WCMC: The					1	Excellent use of these data; very important to retain.	
Biodiversity Indicators Partnership (BIP)	SPM	19	525	19	9 530		thank you
i a areisinp (bii)	J	15	323	1.	330		sentence removed, at any rate this should not add to 100% as some figures
EU: Ole Ostermann,						"At least 37% of European freshwater fishes are threatened and 4% are near threatened. 17% of European freshwater fish species are declining, while 1% is increasing and 6% are stable.	are about status (threatened or not) and other about population trend
IDC	SPM	10	525	10	n =	There is insufficient knowledge to assess population trends for the remaining 76% of the species." This adds up to more than 100%? Please review.	(increasing, decreaasing)
Thomas Brooks	SPM	19	525	19		Excellent use of these data; very important to retain.	thank you

							they reflect the uncertainty given by the species that are data deficient, now
						What do the percentage intervals represent, and why are they being used rather than fixed percentages? If the intervals represent scenarios, what are these scenarios?	clarified with the sentence (depending on whether or not Data Deficient
	SPM	1	9 53		9 530		species are considered threatened)
Germany Belgian government -	SPIVI	19	531	19	.9 532	River engineering is another important reason for the destruction of freshwater habitats. It is important to also list "habitat destruction by agriculture". Agricultural intensification can have devastating impacts on freshwater systems, and may worldwide be perhaps the	thank you, now included
Hilde Eggermont		19	551	19	332	strongest threats on freshwater systems, e.g. destruction of wetlands by direct conversion into agricultural land (a key problem in many areas around the world), the absence of buffer	
(IPBES National Focal	5014					zones in riparian habitats,	to decide a construction of
Point)	SPM			-	+		indeed, now included we have entirely revised the caption for clarity. The numbers are CR+EN+VU
Robert Watson	SPM	2	55	17		Link this figure to some text. Figure caption needed that explains the categories, i.e., Ex means extinct, CR means critically threatened, EN means endangered, ext. I do not understand the numbers on the right hand side of the figure – how do I relate the ECA numbers to the sum of the CWE, EE and CA numbers? Also how was the % threatened numbers calculated – they appear to be the sum of CR+EN+VU plus a percentage of NT	we nave entirely revised the caption for clarity. The humbers are CREEN VD plus a proportion of DD equal to the proportion of data-sufficient that are threatened (CR, EN, VU). This assumes that DD are threatened in the same proportion as data sufficient
							we decided to keep separated status from trends to not mix together very
							different indicators and narratives but they are now 2 panels of the same
André Mader	SPM	2	5	7 2	20 543	It may be more effective to stick to one graphic (the simpler SPM 7?). For both graphics it may be helpful to state whether they refer to terrestrial species, freshwater, marine or all.	figure (SPM 5)
		_				Figure SPM 6: What do the abbreviations "EX, CR, EN, VU, NT, DD, LC" stand	
Germany	SPM	20	537	20		for? SPM6: Legend needs to be expanded	now explained in the caption of figure SPM 5
Belgian government - Hilde Eggermont		20	557	20	539	SPWo. Legenu needs to be expanded	
(IPBES National Focal							
I.	SPM						we have entirely rewritten the caption of SPM 6 (now 5) for improved clarity
UNEP-WCMC: The							
Biodiversity Indicators						Excellent use of these data in Figs SPM 6 and SPM 7; very important to retain.	
Partnership (BIP)	SPM	2	53	7 2	20 544		thank you
EU: Ole Ostermann,							
JRC	SPM	2	5	7 2	20 538	Figure SPM 6: Overview of conservation status assessed as IUCN extinction risk of species in the 537 Europe and Central Asia region". I presume this refers to freshwater species?	this is for all species
EU: Ole Ostermann,							
JRC .	SPM SPM	2				The text does not refer to Figure SPM 6 and Figure SPM 7.	now addressed, (new fig SP5)
Thomas Brooks	SPM	2	5:	17 4	20 544	Excellent use of these data in Figs SPM 6 and SPM 7; very important to retain.	thank you
						Absolutely unclear, though this is probably one of the most interesting Figure of the report. Reword and make captions more precise. This could be presented on a map. To the extent	
						has outley unlear, inough this is producty one or the most interesting riging or the report, newtor and make captions more precise. This could be presented on a map, to the extent	we have entirely revised the caption for clarity and also added a map with
France	SPM	2	53	7 7	0 539	conservation status of endemic species seems to be a good choice. Is there a reason to distinguish animal and vegetal species?	pie-charts of extinction risk distribution for each subregion
	SPM	2			.0 55.	Important to keep Figures SPM6 & SPM7 on status and trends in extinction risk	thank you
		_				The state of the s	we have entirely revised the caption for clarity and also added a map with
							pie-charts of extinction risk distribution for each subregion. The figure is
Robert Watson	SPM	2	54	1		Please link this figure to some text, and to be candid I do not understand the figure – it needs some text and a legend.	now cited in the text.
Belgian government -		20	541	20	543	SPM7: by showing change since 1993 is potentially misleading, because biodiversity was already severely threatened in 1993. It would be important to, in one way or another, visualize	
Hilde Eggermont						that the threat of extinction in 1993 was already very high compared to "background levels". It may perhaps not be easy to do this (probably need to refer to other studies or instances	we agree that the baseline could be misleading but this is the first data-
(IPBES National Focal						than IUCN ?) but it is important to visualize this so that the message cannot be wrongly interpreted: the situation in 1993 was far from ideal and things did not become better.	point we have for extinction risk across large species groups for ECA, and for
Point) Adriano Mazziotta	SPM SPM	2	0 54		0 54		the whole world actually
	SPM	2				Explain in the legend of Figure SPM6 what is the red bar in each group of species Definition of the index displayed?	included in the caption of new figure SPM 5
Sweden: Hannah	SPIVI		J 34	1 4	342	Definition of the moex displayed?	we have entirely redesigned the figure for clarity and added a caption that
	SPM	2	54	11		This figure would be too hard to interpret for many actors and policy makers	now clearly describe the index and its trend
							key messages C2,C5,C6 deal extensive with this topic for biodiversity and
Yorick Reyjol	SPM	20	544			Is it possible to provide scenarios related to climate change? it seems to me thay are clearly lacking	NCPs
Robert Watson	SPM	21	545			Overall a good section	thanks!
	SPM	21	545			Whole section C: There should be a quantification/percentage of the causes that are illegal for each paragraph, when it can be done.	Illegal causes =? We have added lots of quantifications.
	SPM	21	545	27	749	Pressure from different sectors (beyond agriculture)/activities should be listed - e.g. International trade; industrial activities	International trade is mentioned in all new KMs C1-4.
Hilde Eggermont							
(IPBES National Focal							
Point) Sweden: Hannah	SPM	21	545	21	545	Entire paragraph C. In regards to biodiversity land use change need to be in focus when the additive effects of other drivers are discussed. Effects of climate change will never be correctively	Thanks. We have stressed land use change in new C1. The interplay between
Östergård	SPIVI	21	545	21	545	Entire paragraph C. in regards to bioonversity land use change need to be in rocus when the addrive effects or other drivers are discussed. Effects or climate change will be interpreted if separated from land use change. Mittigation of climate effects on BD will indeed involve management through land use change and BD as one of the most important tools	
Ostelgalu						interpreted in separated from indicate and use change, integrated or climate effects of BD will indicate involve management through and use change and BD as one or the most important coors in climate change adaptation needs to highlighted	Executive Summary, there was too little space in the SPM. However, how to
							use LUC for CC adaptation belongs to Chapter 6.
							
Robert Watson	SPM	21	547			Land use change and climate change: This is inconsistent with line 567 – I do not believe the evidence supports climate change being one of two main drivers to date or possibly at	Has been changed
						present for most ecosystems – I recognize that climate change could be one of the two main drivers in the future.	
André Mader	SPM	21	547	21	548	The first sentence might be unnecessary, as it is already stated in C1. Instead, it might be useful to start by simply stating that direct and indirect drivers of biodiversity loss exist.	Has been changed
Belgian government -	SPM	21	547	21	547	"main": is it well established that out of the "big five" these two are the main ones?	Has been changed. We no longer emphasise these two although they get
Hilde Eggermont						1	one whole KM on their own (C1 and C2).
(IPBES National Focal			1				
	ı		1				
Point)						also include natural resource extraction, pollution and IAS	63
EU: Karin Zaunberger	SPM	21	547			also include natural resource extraction, policition and iAs	yes, see new C3
EU: Karin Zaunberger Marie Stenseke	SPM	21	547		561	References needs to be added	Yes, has been changed
EU: Karin Zaunberger Marie Stenseke Thomas Brooks	SPM SPM	21	547 547	21	563	References needs to be added Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 547.	Yes, has been changed Yes, has been changed
EU: Karin Zaunberger Marie Stenseke Thomas Brooks André Mader	SPM SPM SPM	21 21 21	547 547 549	21 21	563 549	References needs to be added Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 547. According to the figure, direct drivers are also influenced by other direct drivers (not only by indirect drivers).	Yes, has been changed Yes, has been changed Yes, correct.
EU: Karin Zaunberger Marie Stenseke Thomas Brooks André Mader UK: Andrew Stott	SPM SPM	21	547 547	21 21 21 21	563	References needs to be added Statements not consistent between these two lines. Add "natural resource extraction, pollution, and invasive alien species" into line 547.	Yes, has been changed Yes, has been changed

	SPM			la.	550	In	To
Norway: Nina Vik Robert Watson	SPM	21	550 552	21	550	"have hardly been considered in decision making". Has this been studied? Consider language Replace 'NCPs' by 'NCP'	Yes, has been changed Yes, has been changed
Robert Watson	SPM	21	555		1	REPIACE NLPS DY NLP GOOd figure but label the individual boxes (direct and indirect drivers)	res, nas been changed Figure has been deleted
Germany	SPM	21	555	21	560	Soot an ignee but raper in emunitoral boxes junied, and indirect drivers. The linkages between drivers look very generic. Can you clarify in the graph box for direct and indirect drivers if there are some aspects which are specific for the ECA region as compared to other regions?	Figure has been deleted
EU: Karin Zaunberger	SPM	21	555		561	Figure SPMs is rather confusing; question about the added value	Figure has been deleted
Thomas Brooks	SPM	21	555	21	555	Very important to retain consistency with IPBES definition on "biodiversity", which includes "ecosystems" Very important to retain consistency with IPBES definition on "biodiversity", which includes "ecosystems"	We have done this in most parts. Sometimes however the reviewed
momas brooks	51111		333		333	http://www.ipbes.net/sites/default/files/downloads/IPBES_2_INF_2_Add.1.pdf; also Pollination assessment p481, and Africa assessment SOD Chapter 1, Page 5, Lines 142-145). Therefore, change "ecosystem" to "biodiversity" here.	literature uses the word ecosystems and then we also do.
France	SPM	21	555	21	556	The figure does not reflect the text. Is it necessary?	Figure has been deleted
UK: Mark Stevenson	SPM	21	555	21	561	Interesting figure (SPM 8) although wondered why not link this to the CBD drivers, pressure, state, benefit framework?	Figure has been deleted
UK: Diana Mortimer	SPM	21	555	21	fig 8	Economic drivers also affect cultural drivers - eg as people become more affluent and urbanised their cultural requirements change.	Figure has been deleted
Norway: Nina Vik	SPM	21	555	21	558	Fig SPM 8. Such a figure could be useful, but needs to be more "concrete". As it stands it is a bit "vague" and not so useful for decision makers	Figure has been deleted
Senka Barudanovic	SPM	21	555		559	Fig SPM 8: What is the basis, ie the level of confidence for the preparation of this figure?	Figure has been deleted
Belgian government - Hilde Eggermont (IPBES National Focal	SPM	21	557	21	559	SPM8: not sure whether this figure is necessary; it is a bit vague in its message. It would probably need a lot of explanation, which is not given. We, for instance, do not understand the arrow from "invasive alien species" to "natural resource extraction"	Figure has been deleted
Point)							
Marie Stenseke	SPM	21	557		559	Some arrows seems to be missing: in the upper left box arrows from economic drivers, institutional drivers and Science & technology drivers to cultural drivers. In the bottom left box: one arrow from invasive specis to laud use change, and arrows from natural resource extraction as well as pollution to land use change. Overall, the arrows needs, however, to be based no scientific literature	Figure has been deleted
Robert Watson	SPM	21	562			CI should be preceded by a new C1 for indirect drivers —the c urrent text attempts to link some of the indirect drivers to the direct drivers but it could be strengthened and with more quantification — quantification of historic and projected trends in both indirect and direct drivers would significantly strenthen this discussion — use figures or tables	The four new KMs treat different direct drivers but all mention some indirect drivers. C4 focuses on indirect drivers.
André Mader	SPM	21	562	22	593	This message seems to merit more detail on each five drivers.	Has been elaborated
Sweden: Hannah	SPM	21	562	26	709	Inis message seems to ment more detail on each rive drivers. Important to distinguish between, negative and positive, direct and indirect, societal and natural drivers on BD and NCPs. Suggest that figures are simplified and more distinctly associated to IPBES contextual framework.	Figure has been deleted
Östergård Robert Watson	SPM	21	563		1	associated to IPBES contextual transework. What about ocean acidification	Ocean acidification is treated as an effect of climate change in C2
Germany	SPM	21	563	22	577	what about occasions a commenced agriculture and forestry in this key message. In contrast to the agricultural sector, in forestry in general there is no such thing as intensification, when it	There are different ternds in forest management across Europé and Central
Germany	31 141	21	303	22	377	comes to technology, fertilizer use, pesticides, etc. In the forest sector more natural forests are currently under management, however this is according to commonly agreed codes of	Asia. We stressed one of the trends - intisification of forest management,
						sustainable forest management. And natural forests often stay natural forests. In many countries the document pointed out that the forest area is increasing. Forests stocks are increasing also in many parts of CE, EE and WE which also indicates that there is no such thing as intensification. There is a tendancy towards less primary forests but this shouldn't be mixed with the intensification in the agricultural sector.	which was highlited in many peer-reviewed publications, especially, because it affects biodiversity and NCPs.
UK: Diana Mortimer	SPM	21	563	21	563	Inixeo with the mensionation in the agricultural sector. "natural resource extraction, natural how?"	"natural" as opposed to human resources and fionancial resources
Robert Watson	SPM	21	565	2.1	505	Climate change is of particular importance: Past, present or future?	Has been clarified
EU: Karin Zaunberger	SPM	21	565		566	Climate change accelerates, interacts and exacerbates other drivers such as	Has been clarified
Thomas Brooks	SPM	21	565	21	566	Delete "is of particular importance since it" unless there is explicit evidence for this. The fact that it accelerates other drivers does not make it "of particular importance" per se.	Has been clarified
France	SPM	21	565	21	566	And land-use change impact is impacted by climate change. We suggest to delete the last sentence in bold and to replace by a statement about the complex interactions of all the drivers mentionned. Interactions between climate change and IAS and between land degradation and climate change could be briefly developed as examples in the following paragraphs.	Has been clarified in the Executive Summary of the Chapter 4 but there was no space for this in the SPM.
UK: Andrew Stott	SPM	21	565	21	566	This invasion may also be considered adaptation as species adjust distributions to new ranges?	Yes, we discuss that invasive alien species react to climate change in C2-3 but mainly it is a result of global trade and global tourism
Belgian government -	SPM	21	566	21	566	we propose to add "Habitat destruction is the main direct driver of terrestrial biodiversity loss". This is stated literally in line 568 but in the summary through the way of formulation it	Yes, it is highlighted in the first sentence of C1 now.
Hilde Eggermont (IPBES National Focal Point)						seems that attention is drawn to climate change. It is important for policy makers to realize that direct habitat destruction is a key threat to biodiversity – efforts are needed to deal with that threat that will be at least equally important as mitigating climate change.	
Anna-Rosa Asikainen	SPM	21	567	21	568	Even though some human actions have negative impacts on biodiversity, many of those actions also benefit nature. E.g. agriculture is needed in order to maintain some rare habitat	Yes, highlighted now under C1
						types and their species. In addition, sustainable forest management can contribute to climate change mitigation. In general, these positive impacts should be mentioned in SPM and in the assessment report more often.	
UK: Andrew Stott	SPM	21	567	21	569	But this green area may have low biodiversity?	Has been deleted
Robert Watson	SPM	21	569			What % of green area does this represent – how much green area has been converted since world war 2 – and what are the projected changes over the enxt 50 years - please define	Has been deleted
Hardana 7-74	SPM	21	569	22	572	green area This is not well-established. In Chapter 4, little evidence is provided for the statement that globalisation (low and unstable prices) has driven to intensification of agriculture. It is also	The de Western State Constitution of Constitut
Henk van Zeijts	SPIVI	21	569	22	5/2	This is not were-established. In Chapter 4, increviousle to in the statement that globalisation (low and unstablished prices) in order to intensination to agriculture. It is also contrary to the statement that agricultural protection under the CAP (high, stable prices) has also lead to intensification. So which no is true? To overcome this, it is important to be more precise about what is meant by intensification in both cases (e.g. farm enlargement with globalisation and increased inputs and yields per hectare under CAP protection).	Thanks. We try to cover both aspects. Since 1995 the CAP support are decoupled from harvest levels, therefore NOT directly supporting intensification. Loss of traditionally farmed land is due to to low prices. This is better summarised in the Executive Summary of chapter 4.
EU: Anne Teller	SPM	21	569		1	What does mean the sentence 'In the EU alone, 86000 ha of green area are lost every year'? What is a 'green area'?	Has been deleted
EU: Frank Wugt Larsen (EEA)	SPM	21	569			Yes, please clarify 'green area' and consult latest result in the land take indicator of the EEA https://www.eea.europa.eu/data-and-maps/indicators/land-take-2/assessment-1 (published 2017)	Has been deleted
The Netherlands: Astrid Hilgers	SPM	21	569	22	572	This is not well-established. In Chapter 4, little evidence is provided for the statement that globalisation (low and unstable prices) has driven to intensification of agriculture. It is also contrary to the statement that agricultural protection under the CAP (high, stable prices) has also lead to intensification. So which one is true? To overcome this, it is important to be more precise about what is meant by intensification in both cases (e.g. farm enlargement with globalisation and increased inputs and yields per hectare under CAP protection).	Thanks. We try to cover both aspects. Since 1995 the CAP support are decoupled from harvest levels, therefore NOT directly supporting intensification. Loss of traditionally farmed land is due to to low prices. This
						note present about which is meaning of medical model cases (e.g. roth changement with goodsastron and modesed inputs and preside in medical entire CAF protection).	is better summarised in the Executive Summary of chapter 4.
UK: Andrew Stott	SPM	21	569	22	572	Cause of intensification is not just globalisation?	True. Has been clarified
Robert Watson	SPM	22	571			Should the comma be after land or after extinsification – I cannot quite understand the sentence as written.	Has been deleted
Marie Stenseke	SPM	22	571		572	"and abandonment of less productive and/or more remote land" refers only to agricultural land (4.5.2), not to forest land as it is indicated in the beginning of the sentence. Reformulation needed	Yes, done.
Robert Watson	SPM	22	572		<u> </u>	Define semi-natural land	changed to semi-natural grasslands = semi-natural habitats.
UK: Andrew Stott	SPM	22	572	22	573	Important to say what the end point is for this trend (200 to when?) because the most recent data may be several years old.	Has been deleted

Senka Barudanovic	SPM	22	573		574	Communities that are currently in abandoned agricultural areas can not be considered as forests. These are in most cases the vegetation stages, which will take a long time to develop	Has been deleted
						the functions of forest ecosystems	
WWF Norway	SPM	22	574	22	575	The timeframe should be specified. Forest cover has increased from 1990 to when?	Has been deleted
UK: Andrew Stott	SPM	22	574	22	575	1% seems quite a lot in 20 years?	Has been deleted
Marie Stenseke	SPM	22	575		577	Clarify that this sentence refers only to agricultural land.	Has been deleted
UK: Andrew Stott	SPM	22	575	22	577	As above, need the end point to this increase - is it 1990 - 2017?	Has been deleted
UK: Andrew Stott	SPM	22	575	22	577	Yes - so not just globalisation as is stated above.	Has been deleted
UK: Tom Oliver	SPM	22	578	22	581	Climate change exacerbates habitat loss' is a statement that is only sometimes true. The context is crucially important. In some cases, the opposite may be true (e.g. for species which are at the edge of their fundamental niche and for which conditions are generally too cold, then warming trends may bring them closer to the centre of the fundamental niche, increasing their population sizes and habitat breath. Therefore this statement needs clarification. E.g. 'Climate change exacerbates habitat loss for many species'. I do not believe there is yet a robust assessment of the proportion of species for which climate change will have negative versus positive impacts, although a recent UR assessment looked at >3000 species and went some way towards this: Pearce-tliggins, J.W., Ausden, M.A., Beale, C.M., Oliver, T.H. & Crick, H.P.Q. (2015), R.P.Q. (2015), 800 species some tof risks & opportunities for species in England as a result of climate change. Natural England Commission Report (NECR175) http://publications.naturalengland.org.uk/publication/4674414199177216.	Thanks. Now we write: "Climate change shifts seasonal timing, growth and productivity, species ranges and habitat location, which impacts biodiversity, agriculture, forestry, and fisheries (well established) [4.7.1.1, 4.7.1.3]
UK: Andrew Stott	SPM	22	580	22	581	Habitat change as well?	Yes, this is a main finding in new C1
Robert Watson	SPM	22	581			Add 'and invasive species'	Done in new C3.
Jeroen Arends	SPM	22	581	22	581	This can be expanded with indicating what sort of dramatic effects CC will have on ecosystems, i.e. prolonged periods of drought; extreme weather events such as violent storms, hail, late season frost; dramatic alterations in temperatures etc. leading to losses to biodiversity and habitats thereby seriously impeding the delivery of NCP.	Thanks. Now we write: "Climate change shifts seasonal timing, growth and productivity, species ranges and habitat location, which impacts biodiversity, agriculture, forestry, and fisheries (well established) (4.7.1.1, 4.7.1.3)
EU: Jan-Erik Petersen (EEA)	SPM	22	582			This paragraph seems to overstate the impact of hunting on species in western Europe at least. What's your evidence for calling it 'unsustainable'? However, one sees hunting ethically I would say it is pretty well regulated in western Europe and much fo Eastern Europe at least and does not really threaten species any longer (minus the illegal catch of songbirds in the Mediterreanean but even then the relative role of habitat change for their population trends seems bigger). And hunting of reptiles - where and when did that happen ?!	Has been deleted
UK: Andrew Stott	SPM	22	582	22	583	How extensive are these? Are they the same through ECA?	Has been deleted
Jeroen Arends	SPM	22	583	22	583	"and often illegal hunting and fishing using a variety of damaging methods threaten"	Has been deleted
Anna-Rosa Asikainen	SPM	22	583	22	583	"Unsustainable hunting and fishing": The sentence should be formulated so that it is clear that all hunting and fishing is not unsustainable. Hunting and other ways of using natural resources are a question of balance.	Has been deleted
UK: Andrew Stott	SPM	22	583	22	584	Again, very generalised. Need to give more specific examples of both the species and the locations. Not a universal issue.	Has been deleted
André Mader	SPM	22	584	22	584	This seems to imply that it is unsustainable purely because of the number.	Has been deleted
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	22	584	22	584	100M birds shot > all legal or also illegal hunting?	Has been deleted
Switzerland: José Romero	SPM	22	584	22	584	Are these 100 million birds hunted under legal provisions or poached?	Has been deleted
UK: Diana Mortimer	SPM	22	584	22	584	100 million birds shot- wildbirds or all birds shot? It makes a difference given how many are raised for sporting purposes and what message you are trying to convey.	Has been deleted
Sweden: Ola Inghe	SPM	22	584			The example of over 100 million birds shot is irrelevant withhout information on what the sustainable hunting level is. As it stands, it is pure sensationalism.	Has been deleted
UK: Andrew Stott	SPM	22	585	22	587	Yes, but on what scale? What % of water bodies are euthrophic?	Replaced by: "Phosphorous and nitrogen (except ammonia) pollution is decreasing but, due to time lags, many lakes, rivers and coastal areas in Western and Central Europe still do not have good ecological status (4.6.1, 4.6.2).
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	22	587	22	587	We disagree with the statement that "Major toxic pollutants are highly regulated in the ECA region"(p. 22, l. 587). Pollutants like endocrine disruptors, among which pesticides, are still not fully regulated (moreover: official risk assessment requirements should be reviewed in order to better integrate potential toxic effects on microbial biodiversity - amongst others)	Has been deleted
France	SPM	22	587	22	587	What are "major toxic pollutants"?	Has been deleted
Thomas Brooks	SPM	22	588	22	588	"substances" is rather vague - it would be useful to know what kinds of "substances" are being referred to here.	Has been deleted
France	SPM	22	588	22	588	what does "new substances" mean? Emerging ones might be ancient ones, the effects of which one has just become aware	Has been deleted
Yorick Reyjol	SPM	22	590			A list of the most impacting Exotic species would be useful here (at least for EU).	Has been deleted
Germany	SPM	22	590	22	593	this paragraph should be strengthened; land-locked countries in Central Asia should experience also lots of invasive /alien species traffic given the transportation pathways; also subject to increase with New Silk Road	Replaced by: "In Western and Central Europe, invasive alien species are increasing despite regulations (4.8.2, 4.8.3). In Eastern Europe and Central Asia, rates of invasion are lower than in Western and Central Europe, but are expected to increase with increasing gross domestic product and trade (established but incomplete) [4.8.1, 4.8.2]
	SPM	22	595	<u> </u>	596	welcome the proposed simplification of Figure SPM9	Figure has been deleted
André Mader	SPM	23	595	23	597	It might need to be reconsidered whether to include graphics in the SPM that are for Western Europe alone, especially if there is an alternative that is more broadly relevant.	Figure has been deleted
André Mader	SPM	23	595	23	597	There are actually two separate figures here, which are not linked by any arrows. This also makes for a fairly complex graphic overall.	Figure has been deleted
Unai Pascual	SPM	23	595		1	this diagram is difficult to follow. I suggest to simplify it.	Figure has been deleted
Yorick Reyjol	SPM	23	595			Is this complicated figure really useful in a SPM? how does it serve <i>in fine</i> ?	Figure has been deleted
EU: Ole Ostermann, JRC	SPM	23	595	23	595	"Figure SPM 9: Causal loop diagram for land use and land cover change in Western Europe. This figure will be simplified by identifying the core group of drivers and showing their interactions." Explanation or simplification is indeed needed for a SPM. Please explain AES = agri environmental schemes?	Figure has been deleted
France	SPM	23	595	23	596	Simplify	Figure has been deleted
Senka Barudanovic	SPM	23	595	!	597	Fig SPM 9: What is the basis, ie the level of confidence for the preparation of this figure?	Figure has been deleted
Marie Stenseke	SPM	23	596	1	599	The figure needs to be based on scientific results. Not sure it is needed if it is simplified, since it will probably then be similar to figure 8.	Figure has been deleted
EU: Markus Erhard (EEA)	SPM	23	597	23	597	missing role of subsidies / policies for intensification since significant parts of arable land is used because of subsidies and would not be competitive under global market conditions as also mentioned further down page 24 line 643	Subsidies are discussed in new C1 (agriculture) and C3 (fishing)
Norway: Jørund Braa	SPM	23	599	23	599	Consider defining "traditional land use"	Done in Executive Summary in Ch 4.
UK: Diana Mortimer	SPM	23	600	23	602	But what if these people not longer want to undertake traditional land uses (eg they want to intensify to increase profit and well-being) then material NCP are increasing. This is a loaded	More neutral language now: "Ceasing traditional land-use reduces semi-
						sentence it needs more thought on what you are trying to tell policy-makers. This introduces new, more complex terminology 'material and non-material contributions to people'. Is this different from NCPs?	natural habitats of high conservation value (well established) and associated indigenous and local knowledge and practices

		To a	1	Tan.	1		I
André Mader	SPM	23	602	23	603	The two concepts treated here (armed conflicts and ILK) seem disconnected. Armed conflict is an indirect driver, which could be treated separately if there were a message/finding dedicated to indirect drivers; while ILK is a theme that cuts across virtually all messages/findings.	Has been changed
UK: Andrew Stott Jeroen Arends	SPM	23	604	23	607	This is sweeping generalisation and it suggest that no innovation is possible? Stick to accepted language of IPLCs and ILK. These do apply universally across the ECA. IPLCs are not present in many areas. Traditional land use is often associated with small scale and subsistence farming. But some big farms are emerging leading to loss of traditional land use and leading to land	More neutral language now: "Ceasing traditional land-use reduces semi- natural habitats of high conservation value (well established) and associated indigenous and local knowledge and practices Yes, there could be many effects including re-wilding. We discuss this much
Jeroen 7 il en la s	3	23	507	23	007	consolidation. Also, much traditional land is abandoned because people move away from the countryside to the big cities or abroad. Some villages in the countryside are dying out. On the one hand that leads to loss of traditional land use but on the other hand leads to restoration of biodiversity (although with its own sets of problems).	more in the chapter and Executive Summary
	SPM	23	607	23	607	Please add local communities. The suggested text: indigenous people and local communities to support nature.	Done (see new C1)
Robert Watson André Mader	SPM	23	608	23	608	Join this paragraph to the previous one Use of the phrase "inappropriate policy implementation" in this context may be regarded as prescriptive.	OK Has been changed
UK: Andrew Stott	SPM	23	608	23	000	What does 'inappropriate poney impression or perspective. Need to keep the language neutral.	Has been changed
Zsolt Molnár	SPM	23	608	23	608	Please add text on the importance of agricultural regulations and subsidies: The suggested text: Conservationists in Central and East European countries have many problems of decilining traditional land use (abandonment often causes diversity decline). National and international agricultural regulations (e.g., agri-environmental schemes) are often culturally and ecologically not specific and adaptive enough. These regulations are of crucial importance for local rural livelihoods but also for the continuation of at least some traditional practices e.g. in newer EU member states. Local people need schemes that help them maintain traditional practices that are still viable in their land and also help develop tradition-based, site-specific new practices that are sustainable in our modern world especially in high nature-value areas and protected areas.	Has been changed to: "The economic viability of indigenous peoples and local communities can be supported by green tourism, demand for products derived from traditional practices and subsidies for traditional land uses (well established) (4.5.5) (Table SPM.2). Agri-environmental schemes, ecological restoration and sustainable approaches to agriculture mitigate some adverse effects of intensive agriculture (established but incomplete) (4.5.1, 4.5.2).
Jeroen Arends	SPM	23	612	23	617	Often, there is a lack of policy instruments, regulatory framework and compensation schemes to maintain the traditional landscape.	Yes. New text in C1: "The economic viability of indigenous peoples and local communities can be supported by green tourism, demand for products derived from traditional practices and subsidies for traditional land uses (well established) [4.5.5]
Jeroen Arends	SPM	23	613	23	615	Also in Central Europe (according to the geography used by IPBES), most notably in the former Yugoslavia: pollution due to hazardous chemical and nuclear waste caused by the use of weapons and bombs.	Yes. New text in C1: "Eastern Europe, the Balkans and Central Asia have recently experienced armed conflicts, which negatively affect nature and its contributions to people {4.5.4.2}.
Germany	SPM	23	613	23	613	what about armed conlicts in Central Asia (Ferghana Valley Uzbekistan/Kyrgyzstan, but also civil war Tajikistan?)	Yes. New text in C1: "Eastern Europe, the Balkans and Central Asia have recently experienced armed conflicts, which negatively affect nature and its contributions to people [4.5.4.2].
Germany	SPM	23	617	23	624	Central Asians comig to Europe? What about Russia? Please elaborate more on this section, as it is not clear. what is the role of migration for biodiversity? This does not become clear; what are the current trends? This paragraph is too general and vague. Please avoid value judgements ("dramatic")	Message on demographic change has been deleted due to word limits
Georgia: Salome Nozadze	SPM	23	629	23	633	Current agricultural and livestock farming practices in the South Caucasus mean that heavy rainfall and winds, unsustainable land management and agriculture practice, overgrazing, illegal cutting of windbreaks cause severe soil erosion. This is exacerbated by the impact of climate change. The result is an irretrievable loss of productive arable land and pasture, leading to natural disasters and a rural exodus.	If these "current agricultural and livestock farming practices" can be named intensive agriculture, we have assessed this in the new C1.
André Mader	SPM	24	616	24	624	Could this be part of a consolidated message/finding on indirect drivers, rather than on migration specifically? Also it lacks any information on why migration is an issue for biodiversity/NCP in ECA.	Message on demographic change has been deleted due to word limits
André Mader	SPM	24	616	24	624	This message does not link explicitly to biodiversity or NCP.	Message on demographic change has been deleted due to word limits
Switzerland: José Romero	SPM	24	616	24	624	We propose to redraft completly section C3 (in particular deleting references to potential for migration, etc.) and make reference to demographic considerations and per capita consumption.	Message on demographic change has been deleted due to word limits
France	SPM	24	616	24	616	"the role of migration" is not described as announced. Migrations play a role and migrations occur. The role is not analysed.	Message on demographic change has been deleted due to word limits
Robert Watson	SPM	24	617			Rephrase: C3. Large-scale human migration within the ECA region is expected to continue impacting on other indirect and direct drivers.	Message on demographic change has been deleted due to word limits
Brendan Coolsaet	SPM	24	617	24	624	Add a few sentences clarifying how "large migration is expected to have profound effects"	Message on demographic change has been deleted due to word limits
Unai Pascual	SPM	24	617			not clear how migration is a driver. I guess it is but needs to be shown the pathways by which different types of migration affect nature or NCP.	Message on demographic change has been deleted due to word limits
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	24	617	24	624	Add a few sentences clarifying how "large migration is expected to have profound effects"	Message on demographic change has been deleted due to word limits
Finnish Government	SPM	24	617	24	624	should climate change be condsidered here as having effect on migration	Message on demographic change has been deleted due to word limits
Robert Watson	SPM	24	618			Can you provide a small table that shows the historic poulation every 25 years from 1950 to 2000, and projected to 2050 for ECA and the sub-regions	Message on demographic change has been deleted due to word limits
France	SPM	24	618	24	624	So the population trends between Central Asia and Eastern Europe on one hand, and Western Europe on the other hand, will change in opposite directions. Could you describe briefly what are the different effects these opposing trends will have on biodiversity and ecosystem services?	Message on demographic change has been deleted due to word limits
UK: Andrew Stott	SPM	24	619			From 123 to 104 million. Usual to put lowest figure first?	Message on demographic change has been deleted due to word limits (it refers to a decrease in pop from 123 to 104 M)
Senka Barudanovic	SPM	24	620		621	What is the level of confidence for the statement There is a high potential for migration from Turkey and Central Asia to Eastern and Central Europe in the coming decades ? Here is necessary to look more closely at migrations within the subregion of Central Europe, as well as migrations from all subregions to the Western Europe	Message on demographic change has been deleted due to word limits
Robert Watson	SPM	24	622			Add: Turkey 'and Germany have' 3 million 'and x million' refugees	Message on demographic change has been deleted due to word limits
Robert Watson	SPM	24	623			Add: indirect 'and direct' drivers	Message on demographic change has been deleted due to word limits
Sweden: Cecilia	SPM	24	623	24	624	"Large migration is expected to have <u>profund effects</u> " in what way? Explain!	Message on demographic change has been deleted due to word limits

André Mader	SPM	24	625	24	625	If there were a separate message dedicated to indirect drivers , this could be included there, but it may need to go beyond just the EU .	Yes, see new C4. For harmful subsisdies have have data also from Russia (C3). The point here is not to suggest EU is worse, only that taxes are inconsistance to the policy goals of the EU (resource efficiency, sustainable growth etc.)
Switzerland: José Romero	SPM	24	625	24	635	This section C4 contains a number of issues that have to be improved: 1) if the section is about resource efficiency, put it in the title; 2) "linear" is not sufficient to say that there is a "linear increase"; 3) "inconsisten policies": what is it meant? Policies that are not able to address efficiently resource efficiency? Please say it more clearly; 4) why to select only environmental taxation as one of the main drivers for resource inefficiency? Why in lines 631 and 632 make the tax system the unique responsible of the resource extraction? What about other drivres such as proactive export policies and demand side approaches? 6) make the figures and the terminology consistent with OECD data on environmental taxes.	Thanks. We do not suggest that the lack of tax reforms is the sole driver of resource extraction, there are important global trade drivers too and these are mentioned in C2 and C3. Environmental taxes are however highlighted as crucial in most reports on the Green Economy and also in EEA reports on resource efficiency, hence we include it in our assessment.
France	SPM	24	625	24	625	"the role of inconsistent policies" is not described as announced. They play a role and they occur. The role is not analysed.	Clarified in new C4. Environmental taxes are however highlighted as crucial in most reports on the Green Economy and also in EEA reports on resource efficiency.
Robert Watson	SPM	24	626		1	What does linear mean?	Has been deleted (means lack of recycling)
Jeroen Arends	SPM	24	626	24	635	There is also a lack of stimulating incentives to improve efficiencies in resource use and for promoting energy efficiencies and insulation.	Yes. Tough standards could be an alternative to monetary incentives
André Mader	SPM	24	626	24	626	What is meant by "linear resource extraction"?	Has been deleted (means lack of recycling)
Unai Pascual	SPM	24	626			not clear what linear resource extractio means. Also not clear hwo this is associated with env. tax evolution.	Has been deleted (means lack of recycling)
EU: Karin Zaunberger	SPM	24	626		627	include after linear resource extraction: leading to overexploitation and pollution	Has been deleted (means lack of recycling)
UK: Diana Mortimer	SPM	24	626	24	627	linear resource extraction - you need to explain what you mean by that or introduce circular resource use ideas otherwise the concept will not be understood and why you are using this terminology. Language should be appropriate for non-specialist policy makers.	Has been deleted (means lack of recycling)
UK: Chris West	SPM	24	629	24	630	"Hence decoupling has not occurred when imports and exports are considered" - need to specify whether this means absolute or relative decoupling. I think the former as there is evidence of relative decoupling in some sub-regions? According to Chapter 4, this is also a whole-region summary, and some countries have may even achieved absolute decoupling?	Has been changed to: "Domestic material consumption has increased in almost all European Union countries since 2000 (except for the economic contraction in 2008), supported by growth-oriented policies {4.3.2}.
André Mader	SPM	24	636	24	636	Should this not also include flows within the region (between countries and between subregions)?	Yes, this is emphasised in earlier parts of the SPM, here we focus on one particular inter-regional flow. Text has been changed.
Germany	SPM	24	636	24	648	is this the same across all ECA? Or more pronounced in certain subregions? Otherwise rather general	Has been changed
Switzerland: José	SPM	24	636	24	648	We have serious doubts about the messages that this section provides. In fact, in a globalised world, not only global trade and circulation of goods and material CNPs promoted by the	Yes, information is present and consumers may choose to buy less fish, even
Romero						economy is a fact, but also information, advocacy and international treaties are present on maters related to material CNPs. In other words, excessive harvest levels e.g in fisheries, wood	
						and agriculture are noticed by local populations, media, NGOs and even sometimes under regulation of international treaties, and pertinent information circulates around the world at	overfishing in European waters could not be "masked" by imports. This is
						that respect. An indicator that is increasingly referred to is the environmental footprint of nations related to imports and consumption. Therefore the statement in this section that over-	not an argument against trade. We are not a policy chapter so we don't
						harvesting and consumption is masked by global trade and substitution is not true because the information is available and circulates. What is true is that not much is done so far to	speculate on what policy measures have the best potential to solve this
						prevent this over-harvesting and consumption in importing countries (you signal this in line 645 indicating that there is a delay in policy response). Therefore, what should be	issue. We just assess the drivers. Over-consumption of imported resources
						prominently pointed out in this section is: global trade and over-harvesting is accompanied by global circulation of information on over-harvesting; global trade by itself is not	in rich countries is a very sensitive political issue. We have re-worded the
						responsible of lack of policy action; it is the national and international levels (with e.g. quantified objectives for ecological footprint) and political willingness that may provide approaches for addressing this situation.	text and we hope it is better now.
France	SPM	24	636	24	636	"the role of inter-regional flows" is not described as announced. They play a role and they occur. The role is not analysed.	The heading of the key message has been changed, we no longer focus on inter-regional flows.
Robert Watson	SPM	24	637			Rephrase: C5. The impact of the depletion of natural resources and biodiversity and hence on nature's contributions to people	OK
Robert Watson	SPM	24	637			It is the impact that can be masked by trade – not the depletion	OK
Unai Pascual	SPM	24	637			I suggest the term off-stage ES burdens is used following http://iopscience.iop.org/article/10.1088/1748-9326/aa7392/meta	We considered this but chose: "Depletion of local mineral reserves and fish stocks is not immediately apparent due to global trade, which delays effective responses.
UK: Andrew Stott	SPM	24	637	24	639	Can this point be expressed more directly? Consumers in ECA may not be aware of impacts of their consumption on natural resources in aresa of production because of complex global trade patterns.	Changed to: "Depletion of local mineral reserves and fish stocks is not immediately apparent due to global trade, which delays effective responses.
Robert Watson	SPM	24	638			Should the text below note that this substitution of imported goods does two things – (i) it safeguards food security in ECA, andf (ii) transfers the ecological footprint abroad – I know this footprint issue has been addressed earlier	Changed to: "Depletion of local mineral reserves and fish stocks is not immediately apparent due to global trade, which delays effective responses.
André Mader	SPM	24	639	24	639	Also national and subnational scales, where most institutions exist?	Yes. We deleted the mentioning of regional scale
Robert Watson	SPM	24	640			Replace 'excessive' by 'unsustainable'	Done.
France	SPM	24	640	24	640	replace "would" by "may". There is no proof.	True. We deleted this
France	SPM	24	646	24	648	This sentence is not very clear, mostly because of the word "technological" which today evokes informatics, computing The sentence would be more relevant if worded as follows: "These economic drivers (tilted price signals) are exacerbated by some management practices, engineering and other technical solutions, which result in sustained harvest levels despite declining stocks, and institutional drivers such as harmful subsidies."	Thanks! We changed the formulation to: "Depletion of local mineral reserves and fish stocks is not immediately apparent due to global trade, which delays effective responses. While awareness of local resource shortages, e.g. of cod in Europe, would be expected to be prompted by increased prices, substitution masks these feedbacks in price and awareness in a global economy with inter-regional imports (established but incomplete) (4.2.5, 4.3.1, 4.4.1). Harmful subsidies to fishing and mineral extraction reduce prices and exacerbate unsustainable extraction levels despite declining stocks (well established) (4.4.1, 4.4.4). The European Union and the Russian Federation continue to pay about 6 billion USD annually in such fishing subsidies (well established) (4.4.1.3).
Switzerland: José Romero EU: Karin Zaunberger Robert Watson	SPM SPM	24 24 24	649 650 651	o		In Chapter 5.2.2 it is explained that th majority of scenarios include direct and more prominently indirect drivers. And biodiversity conservation does not constitute the majority of the modell studies. Under such circumstances, it is not the main interest of modellers. Section C5 page 24 in this section use of uncertainty qualifiers is an appropriate because it refers not finding substance but finding all documentation for example scenario studies are dominated by climate change is a single driver well established include and the interaction between drivers is also not considered This appears to be inconsistent with lines 665/666 which state that "single driver scenarios may under- or over-estimate impact	The Key Message which is number C6 in the SOD is based on literature review of scenario studies on biodiversity in Chapter 3 as well as in Chapter 5. Across all reviews of futures studies in Chapters 2, 3 and 5, climate change was found to dominate as the single most studied driver. An additional sentence on interaction between drivers has been added to this Key Message in the new SPM structure Removed from revised SPM

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André Mader	SPM	24	652	24	653	Is there a contradiction here with two dfferent confidence terms being used for aparently the same thing?	Changed to well established for both statements
							We have made the link stronger between Section C and Section D so that
<u> </u>							the governance options draws on the Key Messages on drivers, scenarios
France	SPM	24	653 655	25	676	Paragraph C6 is particularly interesting and could be the subject of more developments, inasmuch as it could usefully feed Part D	and pathways
Robert Watson	SPM	24	655	\		Replace 'also' by 'primarily'	Done
EU: Markus Erhard (EEA)	SPM	25	656	25	650	Control of the Contro	Land use change and land use intensity specifically mentioned in next
(EEA)	SPIVI	25	656	25	658	propose to mention land use change and intensity explicitly here because of its relative importance	paragraph
							We mean land use change and land use intensity acting as a driving force on
[nature and NCP through habitat degradation and overexploitation. It
							requires land use change scenarios and/or land management scenarios
							linked with models of biodiversity which are sensitive to changes in these land use drivers (e.g. species distribution, dispersal, composition, etc).
[
[Sentence changed to clarify meaning "land use change is overwhelmingly represented in scenarios in terms of pressures exerted on land use by policy,
						What we understand from that sentence is that scenarios including land-use change as "a driving force on nature and NCP" would be better suited to support decision-making. Could you	
France	SPM	25	659	25	661	blease provide examples of what it concretely represents (e.g. which type of data or models this requires to represent "a driving force on nature")?	driving impacts on nature and NCP"
	SPM	25	663	25		please provide examples of wind in Control of the C	Changed to nature and NCP to be consistent with IPBES terms
	SPM	25	664			Discoversity and among indirect and direct drivers"?	Changed as suggested
Robert Watson	SPM	25	665		003	Bolded text text states "underestimates"	This sentence has been removed from the revised SPM
Switzerland: José	5. 141	- 23	003			It is not clear why there is a need for "mitigation" (of what) and also e.g. synergies. It seems that the whole paragraph refers only (implicitly) to climat change scenarios, and not in general	This sentence has been removed from the revised of th
Romero	SPM	25	666	25	666	to single-drivers scenarios that are not climte-driven.	This sentence has been removed from the revised SPM
		2.5	300	23	500	Competitives accumined that are not commet more control to the competitives (socio-economic) and of course climate change itself is strongly dependent on socio-	The second secon
Robert Watson	SPM	25	668	.1	669	This compares a single unect united change with a blood tategory of munett univers (south-economic) and of course change them is strongly dependent on south-economic drivers. Please rephase.	This sentence has been removed from the revised SPM
		2.5	300		505	Is it correct to say that scenarios influence or modify something? Rather (in this case), it is the climate that may influence; or the socio-economic situation that may modify. The scenario	The second secon
André Mader	SPM	25	668	25	670	is simply a means of demonstrating those possibilities.	This sentence has been removed from the revised SPM
Robert Watson	SPM	25	669		0,0	Please you need to link the socio-economic drivers to the direct drivers – i.e., land use change and over-exploitation, as well as pollution and invasives	This sentence has been removed from the revised SPM
						This might not be the right place for this comment but still here it is:	
						That is true and is due to a number of reasons. First, policy making and decision taking is often sector based and not 'holistic' or interdisciplinary. Overall at all policy levels there is a lack	
						of knowledge of and experience with NCP or ecosystem services. NCP and ES is lacking in national, regional and local policy, legislative and regulatory cross sectoral frameworks. NCP is	
Jeroen Arends	SPM	25	671	25	676	lacking for instance in EIA and SEA. Often it appears in NBSAP but the regulatory framework and policy instruments behind it have not yet been incorporated and implemented.	These issues are covered in the revised SPM section D, particularly KM D2
Harald Pauli	SPM	25	671	. 25		siloed'?	Removed from revised SPM
						the need to better integrate biodiversity-explicit scenario and modelling with climate-explicit scenario and modelling should be a top priority (cf. French initiative of having IPBES/IPCC	Thank you we agree and have maintained this statement as the final
EU: Anne Teller	SPM	25	673	:	676	yearly discussions)!	sentence of the Key Message
Robert Watson	SPM	25	677	•		The following section should be re-structured around the four quadrants of figure SPM-10. Discuss each in turn.	Figure has changed and key message has been restructured
						To make it easier to understand that this message deals with possible outcomes, it could writen in "if/then" or "probable" language rather than implying certainty. For example language	
[such as this (from C8 line 741 on pg 27) might be easier for the reader to follow: "Policy and management strategies to mitigate trade-offs between NCPs are projected to be more	
André Mader	SPM	25	677	26	708	effective in scenarios that include".	Language revised to include "projected" or "projects" impacts
							Scenarios related to climate change were included in the review (see table in
							box on scenario archetypes where trends in the indirect and direct drivers
Yorick Reyjol	SPM	25	677			Is it possible to provide scenarios related to climate change? it seems to me thay are clearly lacking	are given)
UK: Mark Stevenson	SPM	25	678	25	681	Wide ranging future impacts on what?	Nature and NCP, but sentence now removed
							Key message rewritten to focus on how trade-offs are dealt with in the
							scenarios. This message has been kept as part of the description of trade-
EU: Karin Zaunberger	SPM	25	682		684	this is a key message	offs under scenarios with a strong focus on economic growth
Switzerland: José						It is not clear why if environmental problems are dealt with by economic policy instrumnets there is forcefully a decline in nature and regulating NCPs. Are, in the views of the authors,	
Romero	SPM	25	682	25	684	economic policy instrumnents intrinsically bad for environmental protection?	sentence removed
						can it really be concluded that future, where environmental problems are dealt with by economic instruments, leads to increases in the provision of most material NCP's, but declines in	
Finnish Government	SPM	25	682		684	nature and regulating. And what is decline in nature?	sentence removed
Robert Watson	SPM	25	683			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
1 '							Impacts are mixed for non-material NCP with learning and inspiration
B-1	5014			.1	1	Add and the land and the land and the land	increasing, supporting identities decreasing and physical and physicological
Robert Watson	SPM	25	684	1	-	Add:regulating 'and non-material' NCP.	experiences stable. This detail is shown in the Figure.
						Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
Adriano Mazziotta Robert Watson	SPM	25 25			684	Replace "nature" with "biodiversity" Rephrase: In futures where market mechanisms are assumed to fail	Nature is the agreed IPBES term Rephrased in the scenario archetypes box
UK: Diana Mortimer Robert Watson	SPM SPM	25 25	685 687		685	in futures assuming maket mechanisms to fail' need to explain what market mechanism is failing. I assuming you mean the one that considers the environment. Replace 'most' by 'mostly'	This part of the sentence has been removed Sentence rephrased
	SPIVI	25			 	kepiace most oy mostry Replace NCPS by NCP'	NCPs changed to NCP throughout
	SPM	25	692		 	Replace NOPS OF NOT	Sentence no longer exists in revised SPM
	SPM	25	692		 	kepiace including by e.g. Replace NCPS by NCP'	NCPs changed to NCP throughout
	SPM	25	693		 	Kepiace Nu-Ps by Nu-P Replace Nu-Ps by Nu-P	NCPs changed to NCP throughout NCPs changed to NCP throughout
	SPM	26	695		 	Replace NCP5 by NCP' Replace NCP5 by NCP'	NCPs changed to NCP throughout
HODELL WALSON	SPM	26	698	 	702	Kepiace NLPS by NLP This paragraph is repeating para 673-676 and is not necessary. If it is I would also repeat my comment	Removed
	SPM	26	703	1	702	This paragraph is repeating para of 3-50/o and is not necessary. In it is I would also repeat my comment. This figure will need a very good caption to descibe it. This figure will need a very good caption to descibe it.	Figure has been significantly simplified
	SPM	26	703	1	 	This rigure win need a very good caption to describe it. Really not obvious to identify the differences in the the four figures, and what are the interest for PM	Figure has been significantly simplified
Yorick Reviol			703	26	700	Figure SPM 10: The indicators on the axes need to be explained.	Figure has been significantly simplified
	SPM	26	703				
Yorick Reyjol Germany	SPM	26	703	26	708	Tigure 31 W 10. The molecular on the bacs need to be explained.	rigure has been significantly simplified
Germany	SPM	26	703	26	708	inguie of m 20. The indicators on the axes need to be explained.	rigure nas been signincarity simplined
	SPM	26	703	26		Figure SPM 10 needs a better caption; it is difficult to understand; spell out the abbreviations in the graphic	Figure has been significantly simplified

	SPM	26	703	26		Improve the legend. Does the Figure refer to the text before ? If so, use the same terms.	Figure has been significantly simplified
	SPM	26	703	26	708	Look forward to seeing SPM 10 once populated with data - looks a useful tool for assessing trade-offs	Figure has been significantly simplified
Sweden: Cecilia						Figure SPM 10 difficult, explain the message with words	
Lindblad	SPM	26	703	26	707		Figure has been significantly simplified
Norway: Jørund Braa	SPM	26	703	26	707	Figure SPM 10 could be hard to undertand - maybe give some examples how to read it	Figure has been significantly simplified
Switzerland: José						Figure SPM 10 is too complicated. Furthrmore, the names of the scenarios in the figure should correspond wit the names of the scenrios in pages 25 and 26. C8 scenarios models studies	
Romero	SPM	26	707	26	707	don't show unavoidable trait off they contain ingredients that are used as parameters	Figure has been significantly simplified
Graciela Rusch	SPM	26	707		707	The graphs are a bit difficult to read. It is difficult to see differences among scenarios.	Figure has been significantly simplified
						[Acknowldging that this is only a representation of what the fgure will look like]: Could the data be more simply presented in a more comparable type of chart like a bar cluster, looking	
i						only at the NCP for which all or most archetypes have data? Also please note that the names of the various quarters of this figure do not correspond with the names in the relevant	
André Mader	SPM	26	708	26	708	message.	Figure has been significantly simplified
							C7 and C8 have been merged into a single Key Message to remove any
Robert Watson	SPM	27	710			I like this section but there is some duplication of words with C7 - please try to eliminate the redundancy.	redundancy
nodert watson	31111		,10			Time of a decide data strate to point dispination of the order of the decidence of the decidence of the order	
i							As trade-offs between differnt policy or economic sectors can often not be
i							avoided, mainstreaming, policy integration and policy mix analyses are
i							highlighted in new section D (Governance options and opportunities) to
Yorick Reyjol	SPM	27	710			Again, it would be very, very interesting for PM to have elements regarding gaps in regulation (e.g. soils) or how the existing regulations may be somehow antagonistic or synergetic.	take account of such trade-offs to the extent possible.
i							Paragraphs have been restructured and we have attempted to make the
Norway: Nina Vik	SPM	27	710	27	748	Consider language to make more easily understandable, especially the last two paras on page 27	language more understandable
Robert Watson	SPM	27	711			Replace 'is' by 'are'	Sentence rewritten
i							Several are mentioned including mainstreaming, proactive decision-making,
i						surely co-operation between countries is only one mechanism to mitigate undesirable impacts - I am unclear why this is singled out here - better to be inclusive of all mitigation routes or	
UK: Diana Mortimer	SPM	27	714	27	716	leave it out. Not sure what point is being made? Some parts of ECA have a political and economic union, others do not.	been clarified as referring to solving transboundary or cross-scale issues.
	SPM	27	717		,,,,,	Replace "NCPs" by "NCPs"	NCPs changed to NCP throughout
ROBERT Watson .	31 141		717			replace ners by ner	Ner 3 changed to Ner throughout
i						This sentence may be hard to understand for those unfamiliar with this ground. Here is an attempt at making it more explicit: "Scenario and modelling studies show that the quality,	Thank you for the suggested text. We have merged the C7 and C8 key
i							
André Mader	SPM		717			quanitity and variety of contributions that nature makes to people is determined partly by how it is managed and utilised. Management for particular conributions may preclude others,	messages in the SOD version of the SPM and attempted to make the
Andre Mader	SPM	27	/1/	27	/19	and may decrease the nature's capacity to continue conributing. For example,"	language more understandable, including providing examples.
i						In our view, scenario and modelling studies don't "show unavoidable" trade-offs: they may contain some ingredients and reconciliation of divergent views (trade-offs) that are decided	Trade-offs are revealed by the modelling outputs which result from the
Switzerland: José						by the modellers. If the sentence refers to the output of the scenarios, then it should read along: the results of modelling show divergent pathways that are left to the choice of	scenario assumptions. We have reworded the Key Messages to reflect the
Romero :	SPM	27	717	27	717	policymakers on the basis of value and political judgements.	suggestions given.
i							Rewritten to focus on the solutions to resolving trade-offs that emege from
i							the scenario and modelling studies. These are then picked up and expanded
	SPM	27	717	27	719	you don't need a model or a scenario to know there are trade-off between different sectos and uses - not sure what the purpose of this paragraph is.	in Section D on governance options.
	SPM	27	719			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
Robert Watson	SPM	27	721			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
ECA values liaison							
	SPM	27	725			maybe consider replacing "cultural and recreation values" by "value for cultural and recreational purposes"	Done
Robert Watson	SPM	27	733			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
ĺ							
i						The text reads: «For example, reforestation to improve climate regulation, natural hazard regulation and to produce a « greener » environment can reduce surface water resources ()»	
i						This sentence is true, but the opposite is true too (reforestation can increase water resources) – it is therefore not an very convincing illustration of the notion of « dilemma » between	Example has been removed as suggested and a short example of
France	SPM	27	735	27	736	two environmental causes. The case of bioenergy croplands developed at the expense of biodiversity-rich forests would be a more telling example.	competition for land is provided (biofuels vs food/feed)
						add 'if strategically deployed' at the end of the sentence. Restoration activities may have adverse effects (e.g. increasing IAS, net loss if replacement of a peatland by a forest, etc.) if not	
EU: Karin Zaunberger	SPM	27	738			strategically planned.	Example has been removed based on suggestion from another reviewer.
	SPM	27	739			Replace 'NCP' by 'NCP'	NCPs changed to NCP throughout
ROBERT Watson .	JI IVI		733			Replace Ners by Ner	Net 3 changed to Net throughout
i							This is dealer that is a second of the force of the second
i							This is dealt with in new Key Message C7 which refers to actions that
1		1			l		decision-makers can take to move towards a sustainable future.
1		1			l		Mainstreaming of nature and NCPs, and integrated approaches that cut
1							across sectoral boundaries are emphasised together with the use of
1		1			l		awareness raising tools, education and participation to facilitate multi-actor
scrocii ai ciias	SPM	27	742	27	742	And that include multiple stakeholders and that provide positive incentives for compliance (instead of only tax, fines, etc.)	governance are mentioned. These are further elaborated in Section D.
	SPM	27	743			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
Robert Watson	SPM	27	746			Replace 'NCPs' by 'NCP'	NCPs changed to NCP throughout
1							The tables were converted to a shorter box, without icons, which
1		1			l	This should not be a box, but section C-9 which sets up Table SPM-1. There also needs to be text that summarizes and synthesizes the results – I would synthesize at the level of the four	summarizes the results. For the Aichi Biodiversity Targets it does this at the
Robert Watson	SPM	28	751			startegic goals for ECA and the sub-regions – the results from this table should be much better used in A1 thgrough D-6.	level of the Strategic Goals
í i						"achievement of the Strategic Goals of the Strategic Plan of the Convention on Biological Diversity and the Aichi biodiversity targets" should be "achievement of the Strategic Goals	The tables were converted to a shorter box, without icons. This text has
André Mader	SPM	28	752	28	753	and Aichi Biodiversity Targets of the (United Nations) Strategic Plan for Biodiversity 2011-2020". The UN part can be included or excluded.	been replaced and corrected where appropriate
1							The tables were converted to a shorter box, without icons. This text has
Thomas Brooks	SPM	28	753	28	753	As above, NB that the Aichi Targets do not belong to the CBD alone (so delete "Convention on Biological Diversity" here).	been replaced and corrected where appropriate
oas brooks .	St 141	20	, 33	20	, 33		
		1			l		The tables were converted to a shorter box, without icons. The diversity of
1 1		1					available knowledge in various subregions is acknowledged as a knowledge
				i i	1		gap in a new box on knowledge gaps. The tables were converted to a
Trance .	SPM	28	758	28	763	Say a few words on the diversity of available knowledge in various sub-regions.	shorter box, without icons.
EU: Markus Erhard	51111	28		28			The tables were converted to a shorter box, without icons. The new version
EU: Markus Erhard (EEA)	SPM	28 28	759	28	759	typo should be 'representation'	The tables were converted to a shorter box, without icons. The new version lacks this typo
EU: Markus Erhard (EEA)	51111	28 28 28		28 28 28	759		The tables were converted to a shorter box, without icons. The new version lacks this typo The tables were converted to a shorter box, without icons.
EU: Markus Erhard (EEA)	SPM	28 28 28	759	28	759 768	typo should be 'representation'	The tables were converted to a shorter box, without icons. The new version lacks this typo

WWF Norway	SPM	28	761	28	8 76	The terms for level of confidence are being used extensively throughout the SPM. The table should be placed in the beginning of the document, so the readers know what the terms 9 mean the first time they encounter them.	The tables were converted to a shorter box, without icons. This box includes confidence language.
Robert Watson	SPM	28	763			There are numerous examples of inconclusive — in these cases is it appropriate to show the arrows — given what inconclusive means — e.g., for WE you have the arrows showing that WE is on target for goals such as 1b, 2a, 11f, etc	The tables were converted to a shorter box, without icons. This box includes confidence language.
EU: Markus Erhard							and the state of t
(EEA)	SPM	28	767	28	8 76	8 Would it be possible to move this graph and text upwards before the terminology is used?	The tables were converted to a shorter box, without icons.
EU: Anne Teller	SPM	28	767		76	8 Add the abbreviations (EBI, WES, INC, UNR) in the graph to help understand Table SPM1.	The tables were converted to a shorter box, without icons.
Switzerland: José							The tables were converted to a shorter box, without icons. This box includes
Romero	SPM	28	767	28	8 76	7 This figure is important for explaining the metrics used to estimate uncertainty in the ipbes and in this report, and deserves a better placement, e.g. in a box, with explanations.	confidence language, with the full terms used.
Germany	SPM	29	771	33	3 77	Table SPM 1: The design of the table is the same as in CBD's GBO. Therefore this table will receive a lot of attention. We urgently recommend to contact the CBD secretariat to ensure enligment with ongoing discussions and processes under the CBD. We urgently request the chapter authors to ensure that the information presented in this table is properly backed up by scientific findings. Please cross-check that the assessment of the status of progress for each of the Aichi targets and for the different sub-regions fully takes into account all scientific 4 evidence. Please also provide some explanation on the methodology that you used to develop this table.	The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions. These are based on the information gathered to compile the chapters. The tables were converted to a shorter box, without icons. This box includes
Unai Pascual	SPM	29	772			table should show confidence levels for each of the trends, eg., based on quality of data, etc. e.g., using a scale of 1(low certainty)-3 (high certainty) of level of uncertainty	confidence language.
Yorick Reyjol	SPM	29	772	33		How a PM could really make his opinion regarding these Tables?too much information, not enough pragmatic (even if I understand the intention)	The tables were converted to a shorter box, without icons.
Belgian government - Hilde Eggermont (IPBES National Focal		29	772	33	774	What is the origin of the table (CBD Secretariat? EC?)	The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions.
Point)	SPM						These are based on the information gathered to compile the chapters.
/	J				1		mese are based on the information gathered to complie the thapters.
					1		The tables were converted to a shorter box, without icons. The new version
EU: Anne Teller	SPM	29	772	33	3 7	4 The trends for WE seem over-optimistic as compared to the trends monitored on the basis of indicators for the EU???	is more conservative and, consequently, less detailed, in its assertions.
EU: Frank Wugt Larsen							The tables were converted to a shorter box, without icons. The new version
(EEA)	SPM	29	772	33	3 7	4 The rationale for the progress assessment for each of the goals should be substantiated to add credibility and transparency. Many assessments for WE appear overly optimistic.	is more conservative and, consequently, less detailed, in its assertions.
(LLA)	31 141	23	772	,	, ,,	Table SPM, Progress toward achieving the 2020 global global energy goals and their Aichi targets;	is more conservative and, consequently, less detailed, in its assertions.
						Table 5 rivit, Frogress toward acineving the 2020 ground brouversity goals and their Archit (algests,	
						Progress towards Aichi targets for Western and Central Europe seems to be overly optimistic in several cases, and it is not clear what the basis was for assessing the current targets achievement. Examples of 'green arrow' assessments, which might need to be re-evaluated	
						Target 3, on incentives (1st arrow) Target 5, on the loss of habitats (2nd arrow)	
						Target f, on 'overfishing avoided' (4th arrow) Target 7, on agriculture and forestry manged sustainably (1st and 3rd arrow) Target 11, on protected areas (2 last arrows)	
EU: Katarzyna Biala						l alget 11, on protected areas (ast arrows) Target 12, on threatened species (2nd arrow)	The tables were converted to a shorter box, without icons. The new version
(EEA)	SPM	29	772	33	3 7	larget 12, on resilience (1st arrow) 4 Target 15, on resilience (1st arrow)	is more conservative and, consequently, less detailed, in its assertions.
Marie Stenseke	SPM	29	772	3:	3	This table communicates well and is very informative!	Thank you. However, a number of other comments, and further reflection and development, have led to a different approach. The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions.
							The tables were converted to a shorter box, without icons. The comment,
France	SPM	29	772	29	9 77	2 Target 15.9 of SDG rather refers to Aichi target 2, and not 1. This should be corrected.	while appreciated, is therefore no longer relevant. The tables were converted to a shorter box, without icons. This box includes
France	SPM	29	772	29	9 7	3 A lot of levels of confidence are missing	confidence language.
UK: Mark Stevenson	SPM	29	772	3:		Table SPM 1 This is a useful summary, but it is not clear how these assessments have been and on what data they are based. There are no references to the underpinning chapters in the assessment. Without this information it is very difficult to comment on the trajectories shown. The purpose of the cross-reference to key findings isn't very clear? It would be a bit 4 circular to refer to the key findings as an evidence sources as you might expect the the key findings to be based on this chart?	The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions. It also includes various references to the relevant chapters, accompanied by
OK. IVIDIK SLEVENSON	JF IVI	29	///2	3:	<i>,</i> /,	a carcular to refer to the key intunings as an evidence sources as you might expect the the key intunings to be based on this triaff?	confidence language.
							The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions. It refrences incentives just to say that increasing positive incentives for
UK: Diana Mortimer	SPM	29	772	29	9 table 1	Aichi target 3.2 'positive incentives' I am surprised the WE symbol is shown as no significant overall progress given pillar II of CAP, LIFE schemes	conservation (Target 3) remains an important task
Sweden: Hannah						important to review that trend figures are consistent with key messages, there are several examples where the trend is green and where correlated key messages suggests a negtive	The tables were converted to a shorter box, without icons. The new version
Östergård	SPM	29	772	33	3 7	4 trend.	is more conservative and, consequently, less detailed, in its assertions.
							The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions.
Norway: Nina Vik	SPM	29	772	33	3 77	Considering progress towards the Aichi biodiversity goals is useful, however, there is some concern as to how precise table SPM 1 is. A bit unsure if this table gives a clear picture of 4 differences across the sub-regions and also the exact status in each sub-region	Another box in the SPM covers knowledge gaps, where the gographical gap in the eastern parts of the region is acknowledged
							The tables were converted to a shorter box, without icons. The new version
Graciela Rusch	SPM	29	772		7	2 The legend of the table needs to be more informative (contain acronyms and abbreviations).	is more conservative and, consequently, less detailed, in its assertions.
							The tables were converted to a shorter box, without icons but with fully-
Finnish Government	SPM	29	772	33	3	Table SPM 1. the various acronyms should be explained in the table legend	written-out confidence lanaguage

	1	1		1	1		т — — — — — — — — — — — — — — — — — — —
Zsolt Molnár	SPM	29	772	2 2	9 Target 3	Target 3 first line: Why is it green for CE? In may experience it is yellow.	The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions.
						Are the ABTs and the SDGs comparable if they are working on different timeframes? For example, a subregion/region can be on track to achieving something by 2030, but not by 2020,	The tables were converted to a shorter box, without icons. This approach also deals with the Aichi Biodiversity Targets and the Sustainable
André Mader	SPM	29	773	2	9 7	44 which means that a different progress indicator arrow will be relevant to the SDGs and the ABTs.	Development Goals more discretely
							The tables were converted to a shorter box, without icons. Now the only reference to the ipact of fisheries is to say that more effective fisheries
							management and increasing protected areas could improve progress
UK: Diana Mortimer	SPM	30	772	2 3	0 table 1	aichi target 6.4 'the impact of fisheries' surprised WE fisheries are seen as sustainable.	towards Target 6
UK: Diana Mortimer	SPM	30	772	2 3	0 table 1	Aichi target 7.1 'areas under agriculture' WE is seen as sustainable which goes against much of the text in the SPM	The tables were converted to a shorter box, without icons. The implication pointed to by this comment has been removed.
Zsolt Molnár	SPM	20	772	, ,	0 Tarant 1	Target 5 loss of habitats: It is yellow for CE.	The tables were converted to a shorter box, without icons. The new version is more conservative and, consequently, less detailed, in its assertions.
ZSOIL IVIOITIAI	SPIVI	30	772	3	U Target :	Target 5 loss of naturals. It is yellow for CE.	is more conservative and, consequently, less detailed, in its assertions.
							The tables were converted to a shorter box, without icons. The new version
Zsolt Molnár	SPM	30	772	2 3	0 Target	Target 7 line 1: Why is it green for WE and CE? I think, it is yellow.	is more conservative and, consequently, less detailed, in its assertions.
Georgia: Salome						It should be noted that in some cases the soil acidity is anomalous, where the pH of the wetland soils should be low, according to the highest quality. Such cases are found in the areas where the agricultural lands around the wetlands are located. Presumably, it is the areas of carbonated fertilizer or lime where farmers are trying to increase the yield of soil pH, which	The tables were converted to a shorter box, without icons. The implication
Nozadze	SPM	30	873	3	0 8	31 heavily influences the wetland ecosystems.	pointed to by this comment has been removed.
						In the line of the table related to Aichi target 12, more specifically «Extinction of known threatened species has been prevented»: in this particular case, it would be useful to help the	
						reader (by a footnote?) interpret the information given by the symbols ano significant overall progresso or sprogress towards target but at an insufficient rates without having to refer to	The tables were converted to a shorter box, without icons. The implication
France	SPM	31	772	3	1 Table Si	the complete report; indeed, it is not obvious what «making progress» or «not making progress» towards «preventing extinction» mean – the question being: « have extinctions of making progress) towards and if so, how many?»	pointed to by this comment has been removed.
							The tables were converted to a shorter box, without icons. The implication
UK: Diana Mortimer	SPM	31	772	2 3	1 table 1	Aichi target 11.5 - really WE PA are effectively managed?	pointed to by this comment has been removed.
							New text says that the ecological representativeness, connectivity and
							management of marine protected areas have improved, but most still lack
							management measures to protect biodiversity, such as no take or no fishing
UK: Diana Mortimer	SPM	31	772	, ,	1 table 1	Aichi target 11.6 - PA well integrated and connected in WE?	zones, for marine areas. There is no longer any implication of integration with regard to terrestrial protected areas
Zsolt Molnár	SPM	31	772			Alter Large 11.6 - PA weiming rate and connected in we? O Target 10 line 1: Does C Has coral reefs? O Target 20 line 1: Does C Has coral reefs?	The tables were converted to a shorter box, without icons.
Zsolt Molnár	SPM	31	772	2 3	1 Target :	.1 Target 11 line 5: It is far from equatable managed, should be yellow.	The tables were converted to a shorter box, without icons.
Zsolt Molnár	SPM	31	772			8 Target 18 line 2: It is red for CE if you read the Fifth report.	The tables were converted to a shorter box, without icons.
Zsolt Molnár	SPM	31	772	2 3	3 Target :	8 Target 18 line 3: It is red for CE if you read the Fifth report.	The tables were converted to a shorter box, without icons.
							The target of polices and policy instruments is to change/have an impact on
							practices and behaviour. Technology can either be seen as a driver to
Robert Watson	SPM	34	775			A good section on policies and governous about technologies, practices and hobbulous, this section must address there is your	change or a method to achive change. It is thus included in policy options
Robert Watson	SPIVI	34	//:	,	1	A good section on policies and governance – but what about technologies, practices and behaviour – this section must address these issues While this section is well written I found the bolded text rather generic with the substance often within the unbolded text – I have not made any specific suggestions but the CLAs might	and opportunities for mainstreming and policy integration. Thank you for the comments, the bolded text has been revised to better
Robert Watson	SPM	34	775	i		want to consider strenthening the bolded text – a bit longer with some specifics	capture the substance of the unbolded text.
Robert Watson	SPM SPM	34	775	5		This section needs more confidence limits	Confidence terms has been added.
Yorick Reyjol	SPM	34	775		1	Again, the lack of a soil strategy in EU could be emphasized here. The assessment could perhaps present and propose even more concrete actions. It is not enough to state that "innovative governance solutions" are needed. Concrete examples should	We are not really sure how it would fit here.
Anna-Rosa Asikainen	SPM	34	775	5 4	6 9	be given in the text.	Concrete examples have been added in the text and in table SPM 2
						There are still many gaps, and work in progress under section D. 'Policy options, governance and management'. That makes it very difficult to provide more specific and relevant	The text has now been developed based on the finalised assessment of
Germany Belgian government -	SPM	34	775	36	5 9 867	raccomments on that section. more should be said about the difference in needs and impacts between constraining or voluntary governance instruments. (Does for ex. the private sector respects non constraining	chapter 6 Voluntary governance modes (which include the private sector) such as
Hilde Eggermont		34	//3	30	807	instruments developed to protect ILK and concerned people?)	through certification schemes have been able to include and integrate ILK.
(IPBES National Focal							However there is a need to develop the monitoring of these schemes to
Point)							make them more effective. The text has been developed to take this into
Zsolt Molnár	SPM SPM	34	775	3	4 general	fo general for section D: IPLCs are only explicitely mentioned in the Table but not in the text.	account. The text has been developd to take this into account.
Switzerland: José						This chapeau should be rewriten as follows: "Past and current governance of biodiversity and NCP has not been able to reverse trends in biodiversity loss. Strengthening the	
Romero	SPM	34	777	3	4 7	30 Imlementation of existing policies including with the help of innovative governance solutions may help achieving further progress in support of biodiversity protection and NCP." The governance of biodiversity' governance is not being correctly used here and it makes the reading confusing (remember this is for a lay audience). It could read 'Policies and	The text has been developd to take this into account.
UK: Diana Mortimer	SPM	34	777	3	4 7	77 mechanisms to protect biodiversity and NC This point applies to the rest of this section.	The text has been changed to take the meaning of this into consideration
						This is quite a strong statement; in fact more like a recommendation (ie policy prescriptive) - that existing policy instruments should be implemented more effectively. I struggled to find	
						evidence in the subsequent section that they weren't implemented effectively. Not saying they are, just that the evidence doesn't appear or isn't well signposted. I think a few case studies might give policy makers a better sense of what is not being implemented and what impact it would have if they were. (Noting too that there is no confidence rating assigned to	
						studies linging gree pointy makes a detect series of what is not being implemented and what impact it would arrive the entering the control of the section would benefit from the third statement - so it comes across as an opinion.) I also found that generally in this section 'policy instruments' were treated rather generically, and the section would benefit from the section would benefit from the section would benefit from the section would benefit from the section would benefit from the section would benefit from the section would benefit from the section would be section the section the section would be section the section would be section the section the section would be section the section would be section the section that the section would be section the section that the section would be section the section that the section would be section the section that the section would be section the section that the section would be section the section that the section would be section the section that the section that the section would be section the section that the section that the section that the section that the section that the section that the section that the section that the section that the section that the section that the section that t	
UK: Mark Stevenson	SPM	34	777	3	4 7	80 differentiating between different policy measures - legislation to protect; incentives, voluntary initiatives and so on	The text has been changed to take the meaning of this into consideration
LIK. Androw Shot	CDM			, ,		No. of the standard and the same of the standard of the standa	The task has been developed and energical with confidence
UK: Andrew Stott Robert Watson	SPM SPM	34	777	3	4 8	19) This section does not read like a policy review. What assessment of effectiveness has been made? What level of confidence is attached to these assertions? Why focus only on existing	The text has been developed and specified with confidence statements. The text has been changed to also include futre options.
Robert Watson	SPM	34	779			Delete further	Done
						The conclusion of the UKNEA was that each issue needed the right ensemble of policies, fiscal support and behaviour change – if the authors agree with this conclusion from the UKNEA,	
Robert Watson	SPM	34	780)	1	then I am not sure that message is coming quite as clearly as it should	We agree with the statement and has clarified the text.

	1				1		T
André Mader	SPM	34	782	20	9 80	It might enhance readability if a clear distinction is made between governance, governance strategies, policy, policy instruments, institutional arrangements, etc.; and consistent use of	We have tried to be more consistent throughout the text.
randre mader	51.141	J.	702		5 00.	There is some very complex language in this section, and some complex terms (e.g. "vision narratives", "synergetic objectives"). It might enhance readability if these were simplified, even	We have thea to be more consistent throughout the text.
André Mader	SPM	34	782	29	9 809	if that requires extra wording.	The text has been rewritten with this in mind.
André Mader S	SPM	34	782	34	4 809	The options provided here might be extra convincing if the text included stronger and more specific reference to what has worked in the past; where; and why.	The text has been rewritten and specified.
	SPM	34	782			The body of this section does not make a comparison between practive and reactive policies/strategies, which is stated in the bold text.	The text has been rewritten with this in mind.
	SPM	34	783			4 This clear statement should be given a confidence term	All the sections now include confidence terms
	SPM	34	783		809	This passage can be written more effectively, and, hence, shortened	The text has been rewritten with this in mind.
EU: Frank Wugt Larsen	SPM	34	705		701		Th. A. A. L
(cert)	SPM	34	785 785	34		What is considered 'promising' and 'appropriate' is rather subjective. Please be specific.	The text has been rewritten and made more specific.
	SPM	34	785	34		The sentence is not clear and not very informative. We suggest to delete. this sentence doesn't quite make sense?	The text has been rewritten with this in mind. The text has been rewritten with this in mind.
	SPM	34	785			unclear sentence oversit Quite make sense:	The text has been rewritten with this in mind. The text has been rewritten with this in mind.
Timisir Government	51 141	51	703		, ,,,,	Without sentence	The choice or words is based on the recommendations from the scoping
Finnish Government	SPM	34	789	34	4 789	replace the word options with possibilities etc. As those options do not exclude each other	documents.
Anna-Rosa Asikainen	SPM	34	792	34		"strengthening participation": in this process, the role of stakeholders, land owners and farmers is crusial. Cooperation-based practices need to be developed.	The text has been developd to take this into account.
France	SPM	34	792	34	4 794	s "vision narrative": please define the concept, especially the scale at which it applies. Then, this sentence could be included somewhere in part D of the High Level Summary	The text has been rewritten to take this into account.
UK: Diana Mortimer	SPM	34	792	34	4 794	s vision narratives' - jargon - re phrase	The text has been rewritten to take this into account.
						Participatory processes also increase the chances of acceptance by stakeholders of policy decisions. It can also contribute to ownership and can expediate policy implementation and	
Jeroen Arends	SPM	34	795	34	4 802	2 adherence to it.	The text on particpation has been developed and specified.
				1			The sentence has been rewritten and is concidered for inclusion in the High
	SPM	34	795	34		This sentence could be included somewhere in part D of the High Level Summary	level summary.
	SPM	34	803	34		Begin the sentence with "the third category"	The text has been rewritten to meet this comment.
UK: Diana Mortimer	SPM	34	803	34	4 806	These two categories are simply well known ways of making policy for any sector. They could be combined and I think lose the 'category' definition.	The text has been developed to enhance the role of mainstreaming
				1	1		We are a that and ration is important bounded that he had been been a
							We agree that evaluation is important, however the text has been rewritten
Finnish Government S	SPM	34	805	34		add one more category which is to adapt policies based on evaluation	to fit the purpose of mainstreaming. Hence, we think that evaluation should focus on the policy per se on not on the mainstreaming effeorts.
rinnish Government 3	SPIVI	34	803	34	+ 800	adulo me more category which is to adapt policies based on evaluation	We agree and education is highlighted in table SPM2 as part of the need to
Jeroen Arends	SPM	3/1	807	3/	4 800	Important is Education. Actors of various kinds at all levels of policy making should be educated in NCP, ecosystem services and inter/multidisciplinarity. Perhaps this could be mentioned	
	SPM	34	807			this applies to all policies not just 'proactive' ones.	The sentence has been rewritten.
	SPM	34	810	35		This section seems very theoretical. It might be strengthened by the inclusion of examples of what has worked in the past.	The section has been revised to incude examples.
					-		This section has been rewritten to take both biodiversity and NCP into
							account. Table SPM2 specify options and opportunities for mainstreming of
						Here the notion of the importance of linking to the core values of economic sectors is missing; I don't know where to put this. Furthermore, in 821-827 'biodiversity' is mentioned	biodiversity and NCP which indirectly and directly target the core values of
Henk van Zeijts	SPM	34	810	35	5 835	without ncp's, while ncp's are more relevant for mainstreaming.	these sectors.
							This section has been rewritten to take both biodiversity and NCP into
							account. Table SPM2 specify options and opportunities for mainstreming of
The Netherlands:						Here the notion of the importance of linking to the core values of economic sectors is missing; Furthermore, in 821-827 'biodiversity' is mentioned without ncp's, while ncp's are more	biodiversity and NCP which indirectly and directly target the core values of
Astrid Hilgers	SPM	34	810	35	5 835	relevant for mainstreaming.	these sectors.
						D2 key message for policy-makers should be strengthened by adding a new sentence at the end. 'A first step would be the integration of goals from the biodiversity strategies and action	
						plans into sectoral policies' (cf. 827) 'and the mixes of policy instruments which apply participatory tools and procedures that allow for trade-off analysis and multiple-criteria design.' (cf.	Thank you for the comment, we have rewritten several of the sections and
	SPM	34	811	-		833-835)	the content of the comment is taken into account while revising the text.
UK: Andrew Stott	SPM	34	811	34	4 812	Integrated approaches should 'join up' rather than 'cut across'	Text has been revised and edited by native english speakers.
						This section will benefit from the addition of a text box about "Challenges of Biodiversty conservation and management of Large Protected Areas in TRANSITION countries of Eastern	
						Europe including this text:	
				1		Challenges of conservation and management of Large Protected Areas in Transition countries of Eastern Europe: Main recommendation is about participation	
						The overall aim is to foster local-level cooperation on bio - and agro-diversity conservation by establishing sustainable partnerships between researchers, local residents, and natural	
						In eoveral aim is to toster local-level cooperation on bio - and agro-diversity conservation by establishing sustainable partnerships between researchers, local residents, and natural resource experts working in academia and on the ground in agriculture and forestry.	
				1		resource experts working in actionerina and on the ground in agriculture and ordered in executive. For reaching this aim existing participatory methods have to be adapted to the transition context of Eastern Europe, and especially to the remote and mountain regions of the	
						Carpathians, the Caucass and Central Asia, e.g. the "learning for sustainability" (45 tools.	
						Living standards and the quality of life, economic activity and creativity, the contribution of gender-age groups to livelihoods, conservation habits, economic claims, and the development	
						priorities of stakeholder groups are recommended to research in detail – as in parallel to the data collection about biodiversity conservation and protection of rare species for the LPA's.	
				1		To create income alternatives cooperation and participation with the local population in and around Large Protected Areas (LPA) is crucial.	
						A detail analysis of current local conditions on biodiversity conservation and management of LPA must also take into account existing social-ethnographic data such as settlement	
				1		patterns, ways of life, public hierarchy and religion, which are crucial to understanding the current transition period,	
				1		Combined methods aiming at nature conservation and local development and participation should bridge the gap between systems knowledge and target knowledge – bringing in the	
				1		local needs of population to be basis for a joint learning process for participatory conservation and LPA management – reaching by this more sustainable biodiversity conservation	
						specifically for the transition countries of Eastern Europe, the biodiversity hot spots of Carpathians, Caucasus and Central Asian mountain regions and as to say it with words of local	
						residents in the biodiversity "hot spot" region of Lagodehki in Georgia:	
						"There have been reached international goals of biodiversity conservation related to international convention like CBD- But local-level resource management and participation of and	
				1		benefits for local people is another story. Many villagers in Azerbaijan and Georgia, for example, feel that their local situation is not given enough attention. As one villager put it, "Much	
						is done in [the capital cities] Tbilisi and Baku, but what about natural resources use Wood, water, pastures – restricted by the governmental regulation on nature conservation in our	
l l							
l l.						villages?"	Thank you for the comment. While revising the text we have tried to take
TICHIO INICCOSCII	SPM	34	811	35	5 835	5	the content of the coment into account.
UK: Andrew Stott	SPM SPM SPM	34 35 35	811 813 815		5 814	villages : It his sentence doesn't quite make sense? Cross reference key finding C8?	

						·	,
Anna-Rosa Asikainen	SPM	35	817	35	820	Possibilities related to sustainable management practices in agriculture and forestry are underestimated in this part of the text. The text is written using a negative tone: "Agriculture and forestry cause negative impacts unless". However, the tone could be more positive, e.g.: "The use of sustainable practices ensures that agriculture and forestry are not a threat to biodiversity". Acknowledging the positive things is needed in order to create a responsive atmosphere among different stakeholder groups.	Thank you for the comment we have now changed the sentence to acknowledge sustainable oractices.
Switzerland: José		-					This has been deleted
Romero UK: Andrew Stott	SPM	35 35	817 817	35 35		Please, explain what is meant by "mitigation measures"? Very generalised. There are many types of agiculture and forestry and they do not all have negative impacts on water quality. What is 'industrial forestry'?	This has been deleted
Switzerland: José	31 IVI	33	017	33	020	terry generoused. There are many types of ageorate and roles by and they do not an insternegative impacts on water quality. What is industrial roles by t	
	SPM	35	818	35	820	Please, explain what is meant by industrial forestry: is it a reference to plantations?	This has been deleted
							We have developed a eparate key message on mainstreaming to clarify on
UK: Andrew Stott	SPM	35	821	35	835	Again this reads like policy guidnace rather than an assessment of evidence. What evidence is there of the effectiveness of mainstreaming?	this point.
André Mader	SPM	35	826	35	827	"A first step towards mainstreaming would be the integration of goals from the NBSAPs and more generally the Aichi (Biodiversity) Targets (across) sectoral policies." It may be more useful to know how this will be achieved and which sectors to focus on.	The sentence has been deleted
Switzerland: José	51 111	33	020	- 55	027	Security with the definition of the miner control of the control o	This abbandaria has been delead
Romero	SPM	35	827	35		What is the NBSAP?	This abbreviation has been deleted.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	35	828	35	830	Although we recognize that there will be few situations where all stakeholder needs are simultaneously met - we feel the phrasing "dealing with trade-off decisions will remain the rule rather than the exception when striving for synergies to the extent possible through multifunctional policies" could be toned down. The vital importance of biodiversity must be stressed throughout the SPM - and mainstreamed in various sectors, in order to reach integrated approaches and decisions	We have toned it down and developed a new key message on mainstreaming.
France	SPM	35	832	35	. 927	Trade-offs are given and they should be arbitrated transparently. Participatory tools and multiple criteria design should not be used to conceal the trade-offs and their arbitration. At least, replace « Options to avoid this » by « Options to deal with this ». Besides, it could be proposed that « Such innovative tools should be designed and implemented with caution as they may reduce transparency and increase the possibilities of manipulation ». This is precisely the role of reference values for socio-economic assessement in France to provide an information of some stakes that can be discussed but cannot be manipulated. See e.g.: Chevassus-au-Louis B. et coll., 2009. Approche économique de la biodiversité et des services liés aux écosystèmes : contribution à la décision publique. Documentation française.	This has been rephrased , unfortunatley we have to cut down and don't have the space for this.
riance	3FIVI	33	032	33	032	In general the SPM needs to be shortened down, so I heart at to give this advice. But this statement could benefit from a reample could be useful in the SPM. There seems to be some	This has been rephrased , unfortunatley we have to cut down and don't
Norway: Nina Vik	SPM	35	832	35	835	duplication of messages with the first para in D3, so perhaps merge and highlight the examples in D3	have the space for this.
						The body text discusses diffferent kinds of policy instruments but does not discuss how to mix them (as suggested in bold). Also, there are terms here that might require explanation	These are defined in the scoping document and througut the chapter.
André Mader	SPM	35	836	36	867	and/or example: economic and financial instruents; rights-based instruments; social and cultural policy instruments. Policy instruments and mixes should include a number of measures including 'punishing ones' such as taxing and fining but also 'rewarding ones' such as tax breaks, subsidies, incentives	
Jeroen Arends	SPM	35	837	35	841	Toury instruments and mixes should include a number of interactives investments, education.) Market Based Instruments and public-private partnerships.	We have expanding the messages in this regards
						The same as previous comment	We have expanding the messages in this regards
	SPM	35 35	837 837	35	841	This clear statement should be given a confidence term	This has been provided
EU: Ole Ostermann,	SPIVI	33	03/		841	This clear statement should be given a communic term	
JRC	SPM	35	842	35	843	The technical term "ecosystem services" in use in the EU and also the TEEB project should be set into relation with the IPBES' term "nature's contributions to people" NCP.	The link between these terms is explained in the introduction.
UK: Andrew Stott	SPM	35	842	36	867	Again this reads like policy guidnace rather than an assessment of evidence. How strong is the evidence that these instruments are effective?	This part has been changed.
Anna-Rosa Asikainen	SPM	35	843	35	844	Regulation is not the only effective option! Voluntary-based approaches e.g. in nature conservation need to be highlighted. The assessment report could be a useful tool to spread information about "best practices" used in different areas. E.g. in Finland we have had really positive results in a "METSO" programme that aims to increase nature conservation in	We cover all the policy instruments including the voluntary measures which is defined as social and infomation based instruments in accordance with
Switzerland: José Romero	SPM	35	849	35	6 853	forests on a voluntary basis (see: http://metsonpolku.fi/en-US). In general, the economic and the financial sectors are so important in all countries that the instrumnets related to these sectors fall under the category of "regulatory" instruments. With the rough classification of instruments in: regulations, and non-regulatory and voluntary, the intention of this paragraph to provide incentives (i.e. regulations) to change consummers' and business' behaviour places the "economic and financial intreumnets of line 849 in the category of regulatory instrumnets. Therefore, it is surprising to find the word "voluntary" in line 853. A clarification is necessary. Furthermore, in line 852, it is supposed that these instruments can provide cost-effective means. Nevertheless, if the economic and financial instruments internalise the externalities, in view of protection of biodiversity and NCPs, they are not forcefully cost-effective if they do not apply to the whole economic system (risk of lekeage, etc.).	the scoping documents. We are not writing about the economic and ficnaial sectors but the categories of economic and financial instruments in biodiversity conservtaion Furthermore we have provided more detail in the current version to avoid misundertanding.
	SPM	35	853			economic and financial instruments are not always voluntary	The paragraph has been changed.
						Add after Social and cultural policy instruments, are increasingly being developed at multinational level'. Public authorities have less and less influence on trade and corporate policies,	The diffenret levels are included in the (bold) key message.
EU: Anne Teller	SPM	36	861	<u> </u>	1	which creates additional difficulties.	
Switzerland: José Romero	SPM	36	861	36	867	It would be worthwhile mentionning that the instruments referred to in this paragraph are non-regulatory instruments, therefore voluntary. Should labels be explicitlymentionned?	This has been adressed in the new version.
Robert Watson	SPM	37	868			This table is not referred to or discussed in the text. The text needs to make the point that the different ministries within a country must work together and that MEAs and other international agreements need to work together for mult-sectoral policies	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
	SPM	37	868	37	7 868	Comments related to table SPM2. Perhaps the following is of interest and can be included in the table: Agriculture: Much of this has to do with promoting good agricultural practices (GAP). Also a reference could be made to the FAO's Climate Smart Agriculture and to agro-ecology. Further, educate farmers on good practices, climate change mitigation and adaptation. Make use of extension services and develop value chains related to GAP, CCA and NCP. Forestry: Also, look at NTFP and local stakeholders. Fishery and aquaculture: Development of sustainable and environmentally correct fish farming practices. Resource extraction sector: Tax breaks, incentives, investments in green energies, energy efficiency, proper insulation. Move away from coal and oil. Also, hydropower plants have a huge impact and many of them are planned in South East Europe (Balkan). For all sectors in the table: For all, including agro, forestry and resource extraction: training and education, awareness raising	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Ilja Gasan Osojnik	SPM	37	868			Table SPM2 - reccomend to uinclude e.g. "Encouraging the conservation of native plant varieties and animal breeds."	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.

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Yorick Reyjol	SPM	37	868	39		In my opinion, this is the only real PM-friendly elements, and this should be used earlier in the text, and be built upon. This could help to lighten the document of 50% of text	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Germany	SPM	37	868	3 3	9 869	Table SPM 2: Please finish the table and provide a reference to the table in the text. it could be interesting for policy makers if an estimation on the implementation possibilities or challenges for the different options would be added	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Germany	SPM	37	868	3 3	7 868	Setting up and implementing monitoring and evaluation methods and instruments might be an important aspect of sucessful options for biodiversity governance	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	39	869	"Nature Conservation" is not seen as a "sector". It would be stronger if that sector could also get a column, so that also "active" action can be made to protect biodiversity and nature contributions to people, rather than it being dependent on the actions of other sectors	The conervation sector has been included in the table.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	39	869	Table SPM2: 'In several places, stimulating biomass for bio-energy is mentioned as an option for good governance of NCP - but this is hard to understand from a nature conservation perspective? there is much debate on whether investments in bioenergy are the way forward, precisely because this may interfere with biodiversity and NCPs. It is strange to read this here. From a climate change mitigation perspective, investment in biomass for bioenergy may seem a logic step, but especially with respect to biodiversity it may develop in a key threat. Having this here as an option without any further specifications is risky. Imagine an "increase in efficiency in production" in agriculture through stronger investments in fertilization and agrochemicals combined with the production of biomass for bioenergy on the land that can be freed from food production: that scenario is probably one of the worst possible ones for biodiversity and the safeguarding of NCPs Of course stimulating the use of waste biomass for bioenergy can be stimulated. The same comment holds for "stimulating production of biomass for bioenergy" under "Forestry"	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	37	868	Table SPM2/agriculture."Increasing crop and grassland yield and feed efficiency >> of course increased efficiency can contribute to free more land for biodiversity conservation, but at the same time history has thought us that increases in "efficiency" often come at a severe cost of biodiversity. It is the increase in "efficiency" that has led to any species associated with agricultural land being threatened. Also how is "efficiency" defined?: per unit land surface, per energy unit invested. The real relevant unit for efficiency should here be "per unit of natural contribution to people destructed" The "option" on increasing efficiency could be interpreted by policy-makers that investment in further industrialization of agriculture and the breeding of genetically engineered crops is the way to go. While we can imagine that increasing efficiency can contribute to the preservation on NCPs on remaining land, it is crucially dependent on the fact that indeed this increased efficiency is coupled to an increase in the area of protected area. This should be made clear.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)		37	868	39	869	Table SPM2/agriculture: No explicit mentionof agro-ecology? Also - several items to be added?: • Add something on incentives such as "using an appropriate mix of regulatory and incentive measures aligned with national biodiversity objectives, including the elimination, phasing out and reform of incentives harmful to biodiversity in order, inter alia, to reduce habitat loss, degradation and fragmentation and to increase the efficiency of use of water, fertilizer and pesticides and to avoid their inappropriate use", • production and consumption such as "reducing loss and waste at all stages of production and consumption in the food system, including reducing post-harvest losses" • Add something on genetic diversity of resources for food and agriculture and their landraces/farmers' varieties and wild relatives • Add: "Develop, implement and enforce sustainability criteria's taking duly biodiversity into account for biomass production for bioenergy"	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	37	868	Table SPM2/forestry: Stimulating the establishment and implementation of nation-wide Forest Programmes add "that takes biodiversity into account	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	39	869	Table SPM2/forestry: • Add something on management practices such as "promote the adoption of sustainable forest management practices that include biodiversity measures in the forest sector" • Add something such as "to encourage sustainable forest management to achieve biodiversity outcomes, including by promoting sustainable consumption and production of forest products • "Settling up protected areas to maintain forest ecosystems" Add "and promote, establish and maintain and/or develop connected national or regional forest protected area networks, • Add something on promoting the use of indigenous species for reforestation. • Add something on illegal logging such as to use, develop and enhance governance, policies, and practices to promote legally and sustainably sourced forest products and to combat illegal logging and associated trade. • Add: "Develop, implement and enforce sustainability criteria's taking duly biodiversity into account for biomass production for bioenergy" • Add something on incentives	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	39	869	Table SPM2/Fisheries and aquaculture: • Add "coastal" after marine in "Setting up permanent or temporary Marine Protected Areas (MPAs) to maintain aquatic ecosystems, managed under co-management arrangements"; • Add something about spatial or temporal fisheries closures to help maintaining stocks; • Add "establish measures and regulations with a view to promoting the conservation and recovery of endangered species"	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Belgian government - Hilde Eggermont (IPBES National Focal Point)	SPM	37	868	39	869	Table SPM2/Resource extraction sectors (energy & mining) and manufacturing: • This section is too general, not biodiversity oriented; should have real options to take biodiversity into account for these sectors. • Cannot support "Promoting economic policy instruments (direct payments, taxes or payments for ecosystem services) to support the transition to bioenergy" • Para on incentives/subsidies not clear enough for biodiversity	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.

UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	37	868	39	868	Under "Agriculture", add "Establish protected areas to safeguard key biodiversity areas from negative impacts of agriculture" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	37	868	39	868	Under "Forestry", revise existing text to read "Setting up protected areas to maintain key biodiversity areas in forest ecosystems" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	37	868	39	868	Under "Fisheries and aquaculture", revise existing text to read "Setting up permanent or temporary Marine Protected Areas (MPAs) to maintain key biodiversity areas in aquatic ecosystems, managed under co-management arrangements" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
UNEP-WCMC: The Biodiversity Indicators Partnership (BIP)	SPM	37	868	39	868	Under "Resource extraction sectors (energy & mining) and manufacturing", add "Establish protected areas to safeguard key biodiversity areas from negative impacts of extractive and manufacturing industries" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Peter Löffler	SPM	37	868		39	Forestry column: The options for forestry on pages 37-39 are for most parts humdrum with no practical application or consequence (so what?). There are two options with a significant potential to further degrade forest ecosystems and their biodiversity: 1) stimulating production of biomass for bioenergy (NO WAY! Please can the authors read carefully e.g. the brand new EASAC report on Europe's forests, and especially the chapter on 'forestry in EU climate and energy policy', which directly contradicts their suggestion; 2) Stimulating technological innovation in use of residual and 'low quality' (soft) woods to new products (e.g. chemicals, tissues). NO. This option may open new value chains for forest-based industries. But the increased production and/or removal of these wood fractions will likely translate into land use intensification (short rotation forestry, plantations) and forest degradation (dead wood removal el loss of biodiversity, loss of nutrients, loss of soil organic matter, loss of water retention capacity.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Karin Zaunberger, Anne Teller	SPM	37	868			Table SPM 2 is difficult to understand and needs to be developed further (as is indicated); there are several actions which seem to be valid across sectors, these should be highlighted; lines should be synchronised/aligned (cf. para 6 in Agriculture on page 37 corresponds to para 4 in forestry and fisheries?)	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Thomas Brooks	SPM	37	868	39		Under "Agriculture", add "Establish protected areas to safeguard key biodiversity areas from negative impacts of agriculture" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Thomas Brooks	SPM	37	868	39	868	Under "Forestry", revise existing text to read "Setting up protected areas to maintain key biodiversity areas in forest ecosystems" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Thomas Brooks	SPM	37	868	39		Under "Fisheries and aquaculture", revise existing text to read "Setting up permanent or temporary Marine Protected Areas (MPAs) to maintain key biodiversity areas in aquatic ecosystems, managed under co-management arrangements" based on section "3.2.2.4 Protected area coverage in ECA" (in Ch. 3).	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Thomas Brooks	SPM	37	868	39	868	Under "Resource extraction sectors (energy & mining) and manufacturing", add "Establish protected areas to safeguard key biodiversity areas from negative impacts of extractive and	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Jan-Erik Petersen (EEA)	SPM	37	868			Agriculture column: you list many different options in this table with out any evaluation or logical structure. How is this meant to help the reader? In particular as several of them are contradictory in terms of objectives and measures to be taken. As an example: what are the consequences of 'Stimulating production of biomass for bioenergy'?? Practical experience in Europe shows that they are fundamentally opposed to the objectives you seem to advacte through most of the SPM; so at the minimum you woud have to specify what kind of bioenergy to promote. As written this example is useless, if not outright counterproductive!	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Adriano Mazziotta	SPM	37	868	37	7 868	The clarity of this table would be improved by categorizing options with a distinction among different types of actions.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	37	868			Interesting and potentially useful but it will be necessary to review carefully each statement because they do not all seem to relate to the same type or level and some can create misunderstandings.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	37	868			Those options should be analysed in terms of mutual interactions or synergies between each sector. Tradeoffs probably need to be identified through Table display	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.

France	SPM	37	868	37	7 Column 1	What are the potential social impacts of such a recommendation? "in pastoral communities, setting up pasture fees and taxes."—> we understood that pastoral communities are actually good managers of lands and that grasslands are decreasing in ECA region. However, taxes and fees could provide a disincentive to maintain the pastoral activities. Could you please explain?	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	37	868	37	7 Table SPI	In the column «agriculture», 3d paragraph, the text reads: «Increase crop and grassland yield and feed efficiency», it could be useful to mention, as an option, a more balanced approach to sustainable agricultural production, for example drawing from the following extract from CBD decision XIII/3: «promoting and supporting () sustainable agricultural production, that may include increases in productivity based on the sustainable management of ecosystem services and functions, diversification of agriculture, agro-ecological approaches and organic farming».	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	37	868	37	7 Table SPI	In the column «fisheries and aquaculture», 3d paragraph, the text reads: «setting up permanent or temporary marine protected areas». It would be appropriate to remove the words expermanent or temporary», which puts on an equal footing permanent and temporary MPAs, whereas temporary MPAs are exceptions, for which the scientific rationale is questionable.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	37	868	37	7 Column 4	Transition to bioenergy can be detrimental to biodiversity if natural areas are turned into cropland for biofuel, or if biofuel is imported from countries with deforestation. Wood is also included in bioenergies but depending on how the concession is managed, this could have a negative impact on biodiversity.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
UK: Diana Mortimer	SPM	37	868	37	7 869	very pleased this is being developed further it is currently rather weak. This is just a list of options. Is it possible to assess the extent to which these options have been evaluated and whether they are effective?	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
UK: Diana Mortimer	SPM	37	868	37	7 868	3 Do you mean to use the term 'governing' in the table title? Managing is more appropriate.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
	SPM	37	868	39		table needs further work, for instance there are numerous options in the form of policy target rather than governance option such as. increasing crop and grassland yield and feed efficiency. A governance option would suggest how this will be done.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
Senka Barudanovic	SPM	37	868		95(Tables SPM 2 and 3 will not have much effect on improving policy options unless they are linked to the current state of implementation in subregions	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Anne Teller	SPM	38	868			There is no mention of agro-ecology in the column on Agriculture? Reforestation should bein priority with with indigenous species in Forestry column; Delete 'meat, dairy and' in the sentence on 'Lowering consumption of meat, dairy and fish' in Fisheries column	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	38	868	38		Again, bioenergy can be an issue and this option should be considered carefully. Stimulating the production of biomass for bioenergy can help addressing the issue of land-use change for biofuels and lessen the impact of agriculture on biodiversity. It is relevant to have such an option here, but the final table should acknowledge the drawbacks for biodiversity that an energy policy relying too heavily on biomass could cause.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	38	868			Only "lowering consumption of fish" should appear in this column. Meat and dairy would rather belong to the "agriculture" column.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
France	SPM	38	868			"Discouraging contra-productive subsidies and taxes" is also a relevant option for agricultural policies. Could you consider an option relying on reducing energy demand and enhancing energy efficiency as relevant for the sector of resource extraction and manufacturing?	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
	SPM	38	868		3 table 2	Agriculture column, first paragraph. 'expansion of agriculture into natural habitats' do you really mean to say that - what is meant by 'natural habitats'?	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Anne Teller	SPM	39	868			Delete 'fish' in the sentence on 'Lowering consumption of meat, dairy and fish' in Agriculture column para before last.	The table which is synthesising the findings in chapter 6 has been changed substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.

Material Content				,				,
Page Page	France	SPM	39	9 86	8 39	9 Column 1	Only "lowering consumption of meat and dairy" belongs here. "Fish" should be included in column 3.	substantially. The table include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried
Section Sect			39	869	39		Table SPM2/agriculture: "Lowering consumption of meat, dairy and fish":We propose to change this into "Setting targets for maximum consumption of meat, dairy and fish so as to lower consumption in high-consumption countries". We should probably not "reduce" meat consumption in low-income countries where large groups are deprived from protein-rich	substantially. The table include options and opportunities for the
Property Property	Point)	CDM						
Section Sect	André Mador		40	07	2 4	072	powerful to say "integration has had a positive impact". There is some guidance in this vein in Ash et al. 2010, which was used to inform the IPBES guide to assessments: "If data	
Management Man			40			072	l agree with the conclusion, but the text below should address the issue of power relationships and asymetries and how to overcome them among actors, this is an issue under all	This has been adressed in the new version.
Mary Mary			40					This has been adressed in the new version
Contact Cont						873		
Septimental Market Septiment of the Septiment	LIV: Androw Stott	CDM	40	07	,		is it clear to all readow what traditional hierarchical government is	Wording has been changed in the new version to avoid misunderstanding.
Section Sect						806		Confidence language has been included
Mary Mary								
Material Content Material Co								
And Mark Mark M. G. 197 M. G. 197 M. See Than Law Consideration of the law consideration and their incorporation wast to be developed. The sections been changed to take the measuring of this less consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration. The law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration of the law consideration o								
Learn French Services (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
And the desired of the company of th	Jeroen Arends	SPM	40	89	5 4	896	The right mix of policy instruments and incentives for private actor and their incorporation need to be developed.	
History and section of the proposed of the provision of t		SPM						The text has been changed to take the meaning of this into consideration
Section OS. Carlos observations of the case of white section by providing one examples of approaches between the virisus generative profiles in the first of conformation. Septembrid Oscernment 190 190 190 190 190 190 190 19	Hilde Eggermont (IPBES National Focal		40	897	40	897	More precise suggestions should be given with regard to "better coordination and multi-level approaches"	This message has been developed to take these aspects into consideration.
Franch Government PM 40 89 89 45 995 determinant? Franch Government PM 40 89 89 40 898 determinant? Franch Government PM 40 89 40 898 determinant involvement of the control of the cont		SPM						
which contributed yet a contributed yet and the provided in the properties of the properties of the properties and that at the international generates and the properties of t		SPM	40	89	7 4:	1 914		This message has been developed to take these aspects into consideration.
Secure Havison SM 4 0 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Finnish Government	SPM	40	89	9 40	899	delete innovative (not nessessarily)	This message has been developed to take these aspects into consideration.
Source formation of the control of t								This message has been developed to take these aspects into consideration.
Note that we start with the start of the sta		SPM	40	90)			
UK. Andrew Soft SM 4 0 501 41 512 6 100 Marketination Soft SM 501 40 500 40 500 Was the word "registate" insended of "transfer". The message has been changed and do no longer include the concept. SM 501 40 501 4	Romero	SPM	40	90	1 40	901	usefull to mention that coordination should be used as a mechanism to help raising the level of protection of biodiversity and NCP.	
Some Some Some Advanced Some Advanced Some Advanced Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Advanced Some Some Some Some Some Some Some Some		SPM	40	90	1 4:	1 914	How far are these statements supported by the evidence?	This message has been developed to take these aspects into consideration.
service Acet May 1 1 2 3 3 4 4 91 1 2 3 3 and related value systems, please remove systems as it is more about the different values rather than different values systems. In the section has been removed. This has now been carried to the same people and government in CA, based on their experience, variety of the same people and government in CA, based on their experience, variety of perscriptive. We have now provided out that there seems to be a respective prescriptive. We have now provided out that there seems to be a respective prescriptive. We have now provided out that there seems to be a respective prescriptive. We have now provided out that there seems to be a respective prescriptive. We have the days of the days of the days of the days of the same people and government in CA, based on their experience, to consider gee gap within the chapter text. Further, we have hinted on this topical days of the days of the same people and government in CA, based on their experience, to the chapter text. Further, we have hinted on this topical days of the days of the same people and government in CA, based on their experience, to the chapter text. Further, we have hinted on this topical days of the same people and government in CA, based on their experience, to the chapter text. Further, we have hinted on this topical days of the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and government in CA, based on their experience, to the same people and governm	Romero	SPM	40	90	3 40	908	Use the word "replicate" insead of "transfer".	The message has been changed and do no longer include the concept.
We were unsure to include your suggestion without being policy prescriptive. We have now pointed out that these seems to be at respective knowledge again the chapter text. Further, we have hinted on this successes and fallures? This would be a real added value based on the geographical extent, historical and socio-economic differences at the ECA scale We have now pointed out that these seems to be a respective knowledge again within the chapter text. Further, we have hinted on this successes and fallures? This would be a real added value based on the geographical extent, historical and socio-economic differences at the ECA scale We have now pointed out that these seems to be a respective knowledge again within the chapter text. Further, we have hinted on this successful, results which provide transformance approach; the combined with more transformance approach; the combined with more transformance approach; the text and local people and social people and so are scaled with the combined with the combined with the combined growth partial mix approach; the transition movement is an underlying to the combined with more transformance approach; the text and local people and so are scaled and transboundary benefits. Include reference to MAES; EU could be an example for a innovative, multi-level and transboundary further examples on be found in chapter 5. As you point out transition movements are bottom up, close to citizen and local people. Green Economy/low and the scaled people and so are scaled people. Green Economy flow that the section and only refer to governance when pointing to the third approach. The examples, where EU policy and the scaled people and so are scaled people. Green Economy flow that the section and only refer to governance when pointing to the third approach in the scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are sc		SPM	40	91	1		and related value systems, please remove systems as it is more about the different values rather than different value systems	The section has been revised.
We were unsure to include your suggestion without being policy prescriptive. We have now pointed out that these seems to be at respective knowledge again the chapter text. Further, we have hinted on this successes and fallures? This would be a real added value based on the geographical extent, historical and socio-economic differences at the ECA scale We have now pointed out that these seems to be a respective knowledge again within the chapter text. Further, we have hinted on this successes and fallures? This would be a real added value based on the geographical extent, historical and socio-economic differences at the ECA scale We have now pointed out that these seems to be a respective knowledge again within the chapter text. Further, we have hinted on this successful, results which provide transformance approach; the combined with more transformance approach; the combined with more transformance approach; the text and local people and social people and so are scaled with the combined with the combined with the combined growth partial mix approach; the transition movement is an underlying to the combined with more transformance approach; the text and local people and so are scaled and transboundary benefits. Include reference to MAES; EU could be an example for a innovative, multi-level and transboundary further examples on be found in chapter 5. As you point out transition movements are bottom up, close to citizen and local people. Green Economy/low and the scaled people and so are scaled people. Green Economy flow that the section and only refer to governance when pointing to the third approach. The examples, where EU policy and the scaled people and so are scaled people. Green Economy flow that the section and only refer to governance when pointing to the third approach in the scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are scaled people and so are sc	Jeroen Arends	SPM	40			0 913		This has now been clarified
EU: Karin Zaunberger SPM 41 915 952 and the low carbon narrative can only be successful; results which provided many being like this discussion, but Section C argues for four plausible worlds. The author's should place their narratives e.g., green economy, low carbon, transition and ecotopina within these four worlds, therefore, the table should be plausible futures dealt with above, but about the desired futures for Europe and Gentral Asia. SPM 41 922 41 933 between the two key messages/findings or promise for surpose and celler of policy making had a positive impert are included in exection D now and many further examples can be found in chapter 5. As you pol not ut transition movements are bottom up, close to citize and back pole to each on narrative can only be successful in achieving sustainability, if the economic growth dilemma is addressed. If the economic growth paradigm is maintained then green economy We have now rewritten the section and only refer to governance when policy polines. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance when poling to the next section. We have now rewritten the section and only refer to governance	Yorick Reyjol		41				Wouldn't be useful to add a part on how scientists, nature managers and PM for E could provide some help to the same people and government in CA, based on their experience,	We were unsure to include your suggestion without being policy prescriptive. We have now pointed out that there seems to be a respective knowledge gap within the chapter text. Further, we have hinted on this
UK: Andrew Stott SPM 41 91 41 921 See comment above. The term governance is being applied to widely. This sections refers to policy options. SPM 41 922 41 923 See comment above. The term governance is being applied to widely. This sections refers to policy options. SPM 41 922 41 923 See comment above. The term governance is being applied to widely. This section is refers to policy options. SPM 41 922 41 923 See comment above. The term governance is being applied to widely. This section is refers to policy options. SPM 41 923 See comment above. The term governance is being applied to widely. This section is possible worlds – economic optimism, global sustainable development, regional competition and regional sustainability – these should be plausible futures delive this section. The authors should place their narratives e.g., green economy, low carbon, transition and ecotopina within these four worlds, therefore, the table should be plausible futures deliver that show, but about the desired futures for Europe and Central Asia. We hopefully made more clear now that this section is not about the plausible futures deliver in message/finding C7. The terminogy and Central Asia. We hopefully made more clear now that this section is not about the plausible futures deliver in message/finding C7. The terminogy and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Central Asia. Seglan government (IRBES National Focal plausible futures delivers for Europe and Ce	EU: Karin Zaunberger	SPM	41	91	5	952	implementation is successful, results which provide transboundary benefits. Include reference to MAES; EU could be an example for a innovative, multi-level and transboundary approach; the 'transition movemen't should not be seen in combination with eco-topia. Transition movments are bottom up, close to citizen and local people. Green Economy/low carbon narrative can only be succesful in achieving sustainability, if the economic growth dilemma is addressed. If the economic growth paradigm is maintained then green economy	provide more short term options and might be combined with more transformative pathways in the longer run. The examples, where EU policy making had a positive impact are included in section D now and many further examples can be found in chapter 5. As you point out transition movements are bottom up, close to citizen and local people and so are Ecotopian pathways. Therefore they are discussed together.
Ilike this discussion, but Section C argues for four plausible worlds – economic optimism, global sustainable development, regional competition and regional sustainability – these should be the basis for this section. The authors should place their narratives e.g., green economy, low carbon, transition and ecotopina within these four worlds, therefore, the table should be and Central Asia. Note 1 922 1 1 1 1 1 1 1 1 1	UK: Andrew Stott	SPM	41	91	5 4:	1 921	See comment above. The term governance is being applied to widely. This sections refers to policy options.	
Robert Watson SPM 41 922 1 totally revised and Central Asia. We hopefully made more clear now that this section is not about the plausible futures from the actions towards sustainable development are related back to the four broader "plausible futures" in message/finding C7. The terminology and Central Asia. Begian government- (IPRES National Focal Point) SPM 5 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1							like this discussion, but Section Cargues for four plausible worlds – economic optimism, global sustainable development, regional competition and regional sustainability – these should	We hopefully made more clear now that this section is not about the
André Mader SPM 41 922 41 923 between the two key messages/findings might also need some harmonizing. Belgian government - Hilde Eggermont (IPBES National Focal Point) SPM SPM SPM SPM SPM SPM SPM SPM SPM SPM	Robert Watson	SPM	41	92	2			and Central Asia.
Belgian government - Hilde Eggermont (IPBES National Focal Point) FOM ECA Values liaison FOR FOR FOR FOR FOR FOR FOR FO	André Mader	SPM	A1	92) A	1 973		plausible futures dealt with above, but about the desired futures for Europe
Hilde Eggermont (IPBES National Focal Point) SPM ECA values liaison FC		31.141						
ECA values liaison instead of altering fundamental values we suggest changing values, changing values is already the most fundamental level of change and altering sounds as if it is induced rather than Thank you, we revised the text accordingly	Hilde Eggermont (IPBES National Focal	SPM	71	523	41	726	more acc topular migra necessariae expansion for some readers (incl. pointymexers)	
	i omej	SPM	Δ1				instead of altering fundamental values we suggest changing values, changing values is already the most fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental values we suggest changing values, changing values is already the most fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental values we suggest changing values, changing values is already the most fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental level of change and altering sounds as if it is induced rather than instead of altering fundamental level of change and altering sounds as if it is induced rather than instead of all the sound instead of altering fundamental level of change and altering sounds are instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound instanced in the sound in the sound in the sound in the sound in the sound instanced in the sound in the	Thank you, we revised the text accordingly

Belgian government -		41	929	41	930	developing local, bottom-up transformational capabilities" - would be interesting to get a sense of feasibility	Unfortunately, the vast majority of studies did not assess feasibility. We
Hilde Eggermont							included now an example in a box in the chapter text, but there is not have
(IPBES National Focal							enough confidence to include it in the summary.
Point)	SPM						
							We decided to maintain the pathways text, but made the link with the new
Į.							SPM text on policy instruments from chapter 6 now more clear.
André Mader	SPM	41	937	41	1 948	This paragraph might be more at home under finding D3. Also, examples of the different instruments might make it easier to understand the points being made.	
EU: Jan-Erik Petersen						Policy instruments to implement the different options are ragher similar' a meaningless statement that ignores the importance of emphasis and choice of intrumnets between the really	We have now tried to make the differences between the pathways more
(EEA)	SPM	41	937			quite different policy visions set out in the paras above.	clear.
(CC/)	51 141		33,		+	quite difference points see out in the paradiabove.	CCCIT.
ļ							While investments were mentioned in a number of studies across the
Anna-Rosa Asikainen		41	942	41	1 942	New business models are mentioned in the text. Could the assessment address how private investments in nature conservation and in biodiversity could be encouraged? Are there any	chapter, none of them provided systematic research to appropriately
Allila-NUSa ASIKalileli		41	542	**.	542	relevant studies providing information about this issue?	
ļ							respond to the role of investments in nature conservation. As a result, the
	SPM				<u> </u>		question remains largely unanswered from a chapter 5 perspective.
Adriano Mazziotta	SPM	41	946	41	1 946	Spell out NBSAPs as this achronym is difficult to remember.	Thank you, we revised the text accordingly
ļ						Could the "actions" column be made more simple and clear for policymaker? Also, combining "nature" actions and "NCP" actions might help to simplify. Lastly, it is not clear whether	We have now omitted the table
André Mader	SPM	42	953	42	956	"quality of life" refers to quality of life as a product of NCP, or quality of life in general.	
Anna Dasa Asiliainan		42	953	45	972	As mentioned in the draft document, the tables need further development. Hopefully the writers are able to mention some simple and conrete example actions in Table SPM 4 (page 44-	We have now omitted the table
Anna-Rosa Asikainen	SPM	42	955	43	9/2	45).	
ŀ						It is unclear how table 3 and table 4 resonates with each other. Table 4 seems to be redundant since the information given in it is very basic political science, and not a specific result from	We have now omitted the table
Marie Stenseke	SPM	42	953	45	5	the assessment	
		1	333				We have now omitted the table
1				l	1	Various comments on the Tables SPM 3 and 4: 1) on line 971, substitute the word "Managing" by "Avoiding"; 2) would it be possible to provide some differentiation of the actions in	
,	1			l	1		
Į.				l	1	order to cope with the various situations and capabilities in the countries of the ECA region (some are rich, other have less means, other would reach some targets with less means but	
!					1	with more time, etc.]?; 3) we wonder if it would be possible to introduce a notion of time (e.g. short, medium and long-term) in the recommendations: which actions should be taken	
					1	immediately, and how much they should last; which ones should be prioritised in case of lack of means to undertake them immediately; etc.; 4) another question refers to "packaging"	
					1	or synergies: which actions should be taken together to produce most effects?; 5) another element that could be indicated is the (range of) financial and/or societal costs and benefits of	
!					1	the various actions; 6) could it be possible to provide some (range) of quantitative objectives/thresholds for some of the actions/species/ecosystems/CNPs indicated in these tabes	
!					1	(refering to the most virtous scenarios used in this report)?; 7) fereces to ILK should be strengthen in these tables; 8) the actions should be referred to the various scenarious	
Į.						considered in this report (cf. what was done to structure the pathways and the actions in the IPBES Pollination reprot); 9) more references to technologies and technological approaches	
Switzerland: José						and solutions for the various drivers of biodiversity loss should be done in these tables (e.g. fragmentation of the soil vs. densification of cities and human settlements and	
Romero	SPM	43	953	45	972		
	31 141	42		43	, ,,,	infrastructure): 10) we propose to merge tables spm 2, 3 and 4 taking into account our proposals above.	Section of the sectio
France	SPM	42	953			Once finalized, these tables should be very useful.	Due to a number of criticism we have now omitted these tables
France	SPM	42	953	42	lable SPN	This would be useful to have examples of instruments working in the ECA region under each icon of policy instrument.	This is now included in the new section D
ļ l						Nature actions are needed in a low carbon pathway, are they not? Through protected areas for example, that may be existing or new carbon sink and storage. If no nature action is	We tried to make more clear now that relying on one pathways alone, is not
France	SPM	42	953	42	Table SPN	required with this pathway, what would be the point in conserving biodiversity if we choose that one to guide our actions?	ideal.
Robert Watson	SPM	42	955			Low carbon: Bioenergy crops: But not at the expense of biodiversity or arable land	Due to a number of criticism we have now omitted these tables
Robert Watson	SPM	42	955			Low carbon: Bioenergy and other renewable energy production: But not at the expense of biodiversity or arable land	Due to a number of criticism we have now omitted these tables
Robert Watson	SPM	42	955			Replace 'NCPs' by 'NCP'	Due to a number of criticism we have now omitted these tables
Jeroen Arends	SPM	42	955	42	955	Table SPM3: What about Nature Based Solutions and how NCP/ecosystem services can contribute to this?	Due to a number of criticism we have now omitted these tables
							Due to a number of criticism we have now omitted these tables
						Table SPM 3 There are overlaps between the different pathways eg implementation of N2K and GI are also an integral part of a Transition scenario; Low carbon should also include	
EU: Karin Zaunberger,						nature action - the low carbon narrative as decribed is detrimental to biodiversity and ecosystems which risk to turn from sinks into sources and thus undermine the Low carbon	
	cons	43	955				
Anne Teller	SPM	42		43	956	narrative; restoration could be included; 'sustainable intensification' should be replaced by 'ecological intensification' as defined by FAO or better 'agro-ecology'	
	SPM	43	956		<u> </u>	Transition: alternative forms of agriculture (organic): Contentious – if yields are low will this result in extensification	Due to a number of criticism we have now omitted these tables
	SPM	43	956			Replace 'NCPs' by 'NCP'	Due to a number of criticism we have now omitted these tables
EU: Ole Ostermann,						(in the table) Please explain the term "Ecotopia": The Notebooks and Reports of William Weston is a seminal utopian novel by Ernest Callenbach, published in 1975. Maybe a paraphrase	Due to a number of criticism we have now omitted these tables
JRC	SPM	43	956	43	956	around an ecologic utopia is easier to communicate?	
						Some very general statements again but of course an in-depth analytical discussion is a difficult exercise to carry out in a setting like the Regional Assessment. However, what is really	We are discussing issues of consumption and footpint now elsewhere in the
!					1	lacking here is a connection back to the exceedance of our footprint in ECA in relation to Europe's biocacpacity - why is that key message of the limits to our use of nature under	SPM (Section A). More information can also be found in chapter 2 on the
EU: Jan-Erik Petersen	1			l	1	whatever 'green growth' scenario or otherwise not part of this discussion of the options? In that context: does the Regional Assessment discuss the powerful concept of, and research on,	
(FFA)	SPM	13	957		1	planetary boundaris anywhere?	
(7	SPIVI	43	957	-	+		Thankyoul
NODELL MATERIAL	SPM	43		 	+	Replace 'or' by 'and'	Thank you!
	3PIVI	43	961	 	1	Replace 'NCPs' by 'NCP'	Thank you!
ECA values liaison	1	i		l	1		Removed
				I	1	remove fundamental see line 927	
group	SPM	43	962				
group	SPM	43	962				We have now included many examples of the positive role the EU is playing
group	SPM	43	962				in the SPM but also in the chapter text, particularly in chapter 6.
group EU: Karin Zaunberger	SPM SPM	43	962			EU could be a driving force for the innovative thinking to bridge scientifically and institutionally from local, bottom up and sectoral options to systemic, regional and global levels!	
V P		43				EU could be a driving force for the innovative thinking to bridge scientifically and institutionally from local, bottom up and sectoral options to systemic, regional and global levels!	in the SPM but also in the chapter text, particularly in chapter 6.
X		43				EU could be a driving force for the innovative thinking to bridge scientifically and institutionally from local, bottom up and sectoral options to systemic, regional and global levels!	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed
X		43				EU could be a driving force for the innovative thinking to bridge scientifically and institutionally from local, bottom up and sectoral options to systemic, regional and global levels!	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the
X		43					in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed
EU: Karin Zaunberger	SPM		968			Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the
EU: Karin Zaunberger André Mader		43		45	5 972		in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried
EU: Karin Zaunberger André Mader ECA values liaison	SPM	44	968	45	5 972	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to?	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Karin Zaunberger André Mader ECA values liaison	SPM		968	45	5 972	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried
EU: Karin Zaunberger André Mader ECA values liaison	SPM	44	968	45	5 972	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to?	in the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account.
EU: Karin Zaunberger André Mader ECA values liaison group	SPM	44	968			Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to? Policy action: threshold value is the ecological concept the policy action would need to define an allowable value based on the threshold.	In the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account. This text has been deleted
EU: Karin Zaunberger André Mader ECA values liaison group France	SPM SPM SPM	44 44 44	968 970 970 970	44		Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to? Policy action: threshold value is the ecological concept the policy action would need to define an allowable value based on the threshold. The first ambition should be rather formulated as "reducing, and if possible halting, biodiversity loss". This wording would reflect better agreed targets such as Aichi Targets and SDGs.	In the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account. This text has been deleted This table has been deleted
EU: Karin Zaunberger André Mader ECA values liaison group France EU: Anne Teller	SPM SPM SPM SPM SPM SPM	44 44 44	968 970 970 970 970	44	1 Table SPN	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to? Policy action: threshold value is the ecological concept the policy action would need to define an allowable value based on the threshold. The first ambition should be rather formulated as "reducing, and if possible halting, biodiversity loss". This wording would reflect better agreed targets such as Aichi Targets and SDGs. Add "integration of ecosystem services into decision-making" in Economic & Financial instruments.	In the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account. This text has been deleted This table has been deleted This table has been deleted
EU: Karin Zaunberger André Mader ECA values liaison group France EU: Anne Teller	SPM SPM SPM	44 44 44	968 970 970 970	44	1 Table SPN	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to? Policy action: threshold value is the ecological concept the policy action would need to define an allowable value based on the threshold. The first ambition should be rather formulated as "reducing, and if possible halting, biodiversity loss". This wording would reflect better agreed targets such as Aichi Targets and SDGs.	In the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account. This text has been deleted This table has been deleted
EU: Karin Zaunberger André Mader ECA values liaison group France EU: Anne Teller	SPM SPM SPM SPM SPM SPM	44 44 44	968 970 970 970 970	44	Table SPN	Is it worth considering a less wordy table with selected ("best so far") strategic resonses that have worked in the past, with brief descriptions of which situations they might best be applied to? Policy action: threshold value is the ecological concept the policy action would need to define an allowable value based on the threshold. The first ambition should be rather formulated as "reducing, and if possible halting, biodiversity loss". This wording would reflect better agreed targets such as Aichi Targets and SDGs. Add "integration of ecosystem services into decision-making" in Economic & Financial instruments.	In the SPM but also in the chapter text, particularly in chapter 6. The tables synthesising the findings in chapter 6 has been changed substantially. The main table now include options and opportunities for the mainstreming of biodiversity and NCP. While revising the table we have tried to take all the comment to the table into account. This text has been deleted This table has been deleted This table has been deleted Removed from SPM. A simpler version is included in Chapter 5.

Switzerland: José						
Romero	SPM	46	982	46	982 Figure SPM.11 is difficult to read.	Removed from SPM. A simpler version is included in Chapter 5.