
Preamble

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2 1. In decision IPBES-6/2, the Plenary of the Intergovernmental Science-Policy Platform on
3 Biodiversity and Ecosystem Services (IPBES) requested the Multidisciplinary Expert Panel and the
4 Bureau, supported by the secretariat, to finalise a draft strategic framework up to 2030 and elements of the
5 work programme of the Platform for consideration and approval by the Plenary at its seventh session
6 (IPBES 7), according to a series of steps outlined in that same decision.

7 2. The draft strategic framework up to 2030 and the draft elements of the work programme of the
8 Platform have been developed as per the steps outlined in the decision, and have been brought together
9 into a single document, “next work programme of IPBES”, which is set out below for review by
10 Governments and stakeholders, as requested in decision IPBES-6/2 (Para i).

11 3. The Executive Secretary issued a formal call for requests, inputs and suggestions, on short-time
12 priorities and longer-term strategic needs on 11 July 2018 (EM/2018/14). The Multidisciplinary Expert
13 Panel and the Bureau, in line with decision IPBES-6/2 and the procedure for receiving and prioritizing
14 requests put to the Platform as set out in decision IPBES-1/3, have prioritized the requests, inputs and
15 suggestions received. A report on the prioritization of requests, inputs and suggestions put to IPBES will
16 be prepared for IPBES 7. The list of requests, inputs and suggestions received in response to the call can
17 be found here¹. A compilation will be presented in a document for the information of IPBES 7.

18 4. The Multidisciplinary Expert Panel and the Bureau, in order to address the request of the Plenary
19 for a rolling work programme, as per decisions IPBES-5/3 and IPBES-6/2, have, in this draft work
20 programme, prioritised a limited number of topics. The Plenary may consider approving this limited
21 number of topics as a first step, and launching a second call for requests, inputs and suggestions, later in
22 this work programme up to 2030.

23 5. The draft work programme presented below is made available to Governments and stakeholders
24 for their comments. The Multidisciplinary Expert Panel and the Bureau are inviting broad comments on all
25 aspects of this document, including on the proposed overall structure, objectives, deliverables and
26 institutional arrangements. Comments on the prioritised topics are also welcome to help the
27 Multidisciplinary Expert Panel and Bureau prepare for IPBES 7. The prioritised topics would, however,
28 not be modified on the basis of these comments but will be considered by the Plenary as a whole.

29 6. In light of decision IPBES-6/2 (Para e), providing the opportunity for late submission of requests
30 by multilateral environmental agreements, the IPBES secretariat may receive additional contributions
31 which would be considered by the Multidisciplinary Expert Panel and Bureau and might affect this
32 prioritisation.

33 7. The draft work programme presented below has been drafted as a concise document which will,
34 once revised, form the basis for the approval of the next work programme by the Plenary at IPBES 7. It
35 will be complemented by an appendix, not for approval, which would include background information on
36 each deliverable, in particular on lessons learnt and progress achieved in the first work programme. It will
37 be further complemented by two working documents and one information document, as follows: a report
38 on the prioritization of requests, inputs and suggestions put to IPBES; a document on modalities for
39 implementing the deliverables of the work programme, containing information on timing, milestones,
40 types of groups to involve and their terms of reference; and an information document compiling all
41 requests, inputs and suggestions received.

¹ All requests, inputs and suggestions are posted here: <https://www.ipbes.net/requests-received-ipbes-work-programme>

I. Structure and elements**A. General considerations**

1. The work programme of IPBES up to 2030 aims to achieve the **overall objective of IPBES** set out in the resolution establishing the Platform² to strengthen the science-policy interface for biodiversity and ecosystem services for the conservation and sustainable use of biodiversity, long-term human well-being and sustainable development.
2. The work programme of IPBES up to 2030 will implement the **four functions of IPBES**, defined in the resolution establishing the Platform³ as follows:
 - To identify and prioritize key scientific information needed for policymakers at appropriate scales and to catalyse efforts to generate new knowledge by engaging in dialogue with key scientific organizations, policymakers and funding organizations, but not to directly undertake new research;
 - To perform regular and timely assessments of knowledge on biodiversity and ecosystem services and their interlinkages, which should include comprehensive global, regional and, as necessary, subregional assessments, methodological assessments, and thematic issues at appropriate scales and new topics identified by science and as decided upon by the Plenary;
 - To support policy formulation and implementation by identifying policy-relevant tools, methodologies, such as those arising from assessments, to enable decision makers to gain access to those tools and methodologies and, where necessary, to promote and catalyse their further development;
 - To prioritize key capacity-building needs to improve the science-policy interface at appropriate levels and then provide and call for financial and other support for the highest-priority needs related directly to its activities, as decided by the Plenary, and to catalyse financing for such capacity-building activities by providing a forum with conventional and potential sources of funding.
3. The work programme of IPBES up to 2030 will place a major emphasis on **promoting integration** across science, policy and practice, across scientific disciplines, across different types of knowledge, and across the four functions of IPBES.
4. The work programme of IPBES up to 2030 will give effect to the **operating principles of IPBES**⁴: collaborate with existing initiatives on biodiversity and ecosystem services; be scientifically independent and ensure credibility, relevance and legitimacy through peer review of its work and transparency in its decision-making process; use clear, transparent and scientifically credible processes for exchanging, sharing and using data, information and technologies; recognize and respect the contribution of indigenous and local knowledge to the conservation and sustainable use of biodiversity and ecosystems; provide policy-relevant information, but not policy-prescriptive advice; integrate capacity-building into all relevant aspects of its work; address terrestrial, marine and inland water biodiversity and ecosystem services and their interactions; recognize the need for the the full and effective participation of developing countries and balanced regional representation and participation in its structure and work; recognize the need for gender equity in all relevant aspects of its work; and ensure the full use of national, subregional and regional knowledge, as appropriate, including by ensuring a bottom-up approach.
5. The work programme of IPBES up to 2030 is understood as **a rolling work programme**, as per decisions IPBES-5/3 and IPBES-6/2, and would foresee the launch of one or more additional calls for

² UNEP/IPBES.MI/2/9, annex I, appendix I, sect. I.

³ Ibid.

⁴ Ibid., sect. II.

86 requests, inputs and suggestions, later in the period up to 2030, in addition to the first call launched in
87 2018, on which this work programme is based.

88 **B. Objectives of the work programme of IPBES up to 2030**

89 6. In line with decision IPBES-5/3, the work programme of IPBES up to 2030 will contribute to the
90 strengthening of the science-policy interface of the 2030 Agenda for Sustainable Development, including
91 the Sustainable Development Goals (Objective A), the biodiversity-related conventions, and other
92 biodiversity and ecosystem services processes (Objective B), and the Paris climate agreement (Objective
93 C). These three interdependent and overlapping objectives will aim at **strengthening the science-policy
94 interface on biodiversity and ecosystem services, with a view to:**

- 95 • **Objective A: Conserving and sustainably using life on land and below water while**
96 **achieving the other sustainable development goals.** This objective addresses the 2030
97 Agenda for Sustainable Development, including the Sustainable Development Goals;
- 98 • **Objective B: Achieving the 2050 vision for biodiversity where by 2050, biodiversity is**
99 **valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a**
100 **healthy planet and delivering benefits essential for all people.** This objective, in line with
101 the 2030 Agenda for Sustainable Development, addresses the post 2020 Biodiversity
102 Framework, and is particularly relevant to the biodiversity related conventions and other
103 biodiversity and ecosystem services processes;
- 104 • **Objective C: Conserving and sustainably using life on land and below water in a changing**
105 **climate through nature-based solutions to mitigate and adapt to climate change.** This
106 objective, in line with the 2030 Agenda for Sustainable Development, addresses the Paris
107 Agreement on Climate Change.

108 **C. Prioritised topics**

109 7. To address the three work programme objectives outlined above, the following four topics have
110 been prioritized based on the requests, inputs and suggestions⁵ received:

- 111 • Synergies and tradeoffs between SDG 15 (life on land) and SDG 14 (life below water), and a
112 subset of other SDGs: this subset would include food (SDG 2), water (SDG 3), health (SDG 6),
113 and climate (SDG 13), and could also include energy (SDG 7).
- 114 • Biodiversity and ecosystem services: status, drivers, trends, impacts, future scenarios, and
115 response options at the regional and global levels.
- 116 • Pathways towards transformational change: behavioural, social, cultural, economic,
117 institutional, technical and technological determinants of transformational change, and how
118 these may be deployed to achieve the 2050 Vision for Biodiversity.
- 119 • Impact of productive sectors on biodiversity: potential positive and negative impacts of
120 productive sectors on biodiversity and ecosystem services, and criteria, metrics and indicators
121 of the impacts of productive sectors on biodiversity and ecosystem services.

122 **D. Deliverables**

123 8. Each objective will be implemented by a set of deliverables related to the four functions of IPBES
124 and to the other activities identified as important during the first work programme, including: work on
125 indigenous and local knowledge, scenarios and models, values, and communication and stakeholder
126 engagement. This structure is proposed to promote integration across the four functions. For example,

⁵ The Multidisciplinary Expert Panel and the Bureau have considered and prioritized the requests, inputs and suggestions received in response to the call by the Executive Secretary issued on 11 July 2018 (EM/2018/14) as in line with decision IPBES-6/2 and the procedure for receiving and prioritizing requests put to the Platform as set out in decision IPBES-1/3. A detailed report will be presented for the consideration of the Plenary. The requests, inputs and suggestions received can be found here. The Plenary may consider approving this limited number of topics as a first step, and launching a second call for requests, inputs and suggestions, later in this work programme up to 2030, in order to keep the work programme flexible.

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- 127 work on capacity building would implement deliverables A2, B7 and C2, through activities specifically
128 targeted at the three objectives. The annex to this document includes background information on these
129 deliverables.
- 130 9. Regarding timing: Taking into consideration the date of finalization of deliverables B4 (sustainable
131 use, 2021), B5 (invasive alien species, 2022) and B6 (values, 2021), deliverable A1 (nexus assessment)
132 could tentatively be scoped in 2019 and delivered in 2025, deliverable B2 (global/regional assessment)
133 scoped in 2023 and delivered in 2028, deliverable B1 (transformative change) scoped in 2020 and
134 delivered in 2023, deliverable B3 (productive sectors assessment) scoped in 2021 and delivered in 2027,
135 and deliverable C1 (technical paper on biodiversity and climate change) delivered in 2020. This timing
136 would also apply to activities associated to the assessment (e.g. capacity building, indigenous and local
137 knowledge approach, etc.) as outlined below.
- 138 10. **Objective A: Strengthening the science-policy interface on biodiversity and ecosystem**
139 **services, with a view to conserving and sustainably using life on land and below water, while**
140 **achieving the other sustainable development goals.**
- 141 • **Deliverable A1:** Thematic assessment on synergies and tradeoffs between conserving and
142 sustainably using life on land (SDG 15) and below water (SDG 14), while achieving a subset of
143 sustainable development goals including: ending hunger (SDG 2), clean water (SDG 3), good health
144 and well-being for people (SDG 6), and climate action (SDG 13). This assessment could also
145 include energy (SDG 7). It is referred to in short as the “nexus assessment”. A short concept note
146 for this assessment is included in the annex to this document. This assessment will also contribute
147 to objectives B and C.
 - 148 • **Deliverable A2:** Building capacity in support of objective A: Implementation of activities as set out
149 in the capacity-building rolling plan, welcomed by the Plenary in decision IPBES-5/1, as outlined
150 further in the annex to this document, in support of assessment A1 and of objective A, in general.
 - 151 • **Deliverable A3:** Mobilising knowledge in support of objective A: Implementation of activities, as
152 outlined further in the annex to this document.
 - 153 • **Deliverable A4:** Supporting policy formulation and implementation in support of objective A:
154 Implementation of activities as outlined further in the annex.
 - 155 • **Deliverable A5:** Implementing the IPBES approach to recognizing and working with indigenous
156 and local knowledge⁶ in support of objective A: support the production of assessment A1 and of
157 other deliverables of objective A, through the activities summarised in the annex.
 - 158 • **Deliverable A6:** Advancing work on scenarios and models for biodiversity and ecosystem services
159 in support of objective A, as described in the annex.
 - 160 • **Deliverable A7:** Strengthening the diverse conceptualization of multiple values of nature and its
161 benefits, including biodiversity and ecosystem functions and services, in support of objective A:
162 Provision of methodological guidance on values to assessments and other deliverables as necessary,
163 as outlined further in the annex.
 - 164 • **Deliverable A8:** Communicating and involving all stakeholders in relation with objective A:
165 Continuation of the work to implement the IPBES communication and outreach strategy⁷ and the
166 IPBES stakeholder engagement strategy,⁸ to increase the visibility of IPBES, and the uptake of its
167 products by Governments and a diversity of other stakeholders.

⁶ Decision IPBES-5/1, annex II.

⁷ Decision IPBES-3/4, annex I.

⁸ Decision IPBES-3/4, annex II.

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11. **Objective B: Strengthening the science-policy interface on biodiversity and ecosystem services, with a view to achieving the 2050 vision for biodiversity where by 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people.**
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- **Deliverable B1:** Thematic assessment of the behavioural, social, cultural, economic, institutional, technical and technological determinants of transformative change, to achieve the 2050 Vision for Biodiversity, referred to in short as “transformative change assessment”. A short concept note for this assessment is included in the annex to this document.
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- **Deliverable B2:** Global assessment of biodiversity and ecosystem services, with an integrated regional and cross-regional components. This would correspond to a repetition of the regional assessments and the global assessment, about ten years after the first of these IPBES reports were released in 2018 and 2019, respectively, which would be carried out in a single report as an integrated global/regional report. A short concept note for this assessment is included in the annex.
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- **Deliverable B3:** Fast track methodological assessment of the criteria, metrics and indicators of the impacts of productive sectors on biodiversity and ecosystem services, referred to in short as “productive sectors assessment”. A short concept note for this assessment is included in the annex.
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- **Deliverable B4:** Thematic assessment of the sustainable use of wild species. This assessment was initiated as part of the first work programme in decision IPBES-6/1, and is included in the IPBES work programme up to 2030 as deliverable B4.
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- **Deliverable B5:** Thematic assessment of invasive alien species: This assessment was initiated as part of the first work programme in decision IPBES-6/1, and is included in the IPBES work programme up to 2030 as deliverable B5.
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- **Deliverable B6:** Methodological assessment on values: This assessment was initiated as part of the first work programme in decision IPBES-6/1, and is included in the IPBES work programme up to 2030 as deliverable B6.
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- **Deliverable B7:** Building capacity in support of objective B: Implementation of activities as set out in the capacity-building rolling plan, welcomed by the Plenary in decision IPBES-5/1, as outlined further in the annex, in support of the production of assessments B1 to B5 and of objective B, in general.
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- **Deliverable B8:** Mobilising knowledge in support of objective B: Implementation of activities, as outlined further in the annex.
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- **Deliverable B9:** Supporting policy formulation and implementation in support of objective B: Implementation of activities as outlined further in the annex.
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- **Deliverable B10:** Implementing the IPBES approach to recognizing and working with indigenous and local knowledge⁹ in support of objective B: support the production of assessments B1 to B6 and other deliverables of objective B, through the activities summarised in the annex.
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- **Deliverable B11:** Advancing work on scenarios and models for biodiversity and ecosystem services in support of objective B, as described in the annex.
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- **Deliverable B12:** Strengthening the diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services in support of objective B: Provision of methodological guidance on values to assessments and other deliverables as necessary, as outlined further in the annex.
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- **Deliverable B13:** Communicating and involving all stakeholders in relation with objective B: Continuation of the work to implement the IPBES communication and outreach strategy¹⁰ and the

⁹ Decision IPBES-5/1, annex II.

¹⁰ Decision IPBES-3/4, annex I.

212 IPBES stakeholder engagement strategy,¹¹ to increase the visibility of IPBES, and the uptake of its
213 products by Governments and a diversity of other stakeholders.

214 12. **Objective C: Strengthening the science-policy interface on biodiversity and ecosystem**
215 **services with a view to conserving and sustainably use life on land and below water in a**
216 **changing climate, through nature-based solutions, to mitigate and adapt to climate change.**

- 217 • **Deliverable C1:** Technical paper on the synergies and trade offs between the need to protect
218 biodiversity and to mitigate and adapt to climate change, derived from the reports published by
219 IPBES and IPCC. A short concept note for this technical paper is included in the annex to this
220 document.
- 221 • **Deliverable C2:** Building capacity in support of objective C: Implementation of activities as set out
222 in the capacity-building rolling plan, welcomed by the Plenary in decision IPBES-5/1, as outlined
223 further in the annex to this document.
- 224 • **Deliverable C3:** Mobilising knowledge in support of objective C: Implementation of activities, as
225 outlined further in the annex to this document.
- 226 • **Deliverable C4:** Supporting policy formulation and implementation in support of objective C:
227 Implementation of activities as outlined further in the annex.
- 228 • **Deliverable C5:** Implementing the IPBES approach to recognizing and working with indigenous
229 and local knowledge¹² in support of objective C, through the activities summarised in the annex.
- 230 • **Deliverable C6:** Advancing work on scenarios and models for biodiversity and ecosystem services
231 in support of objective C, as described in the annex.
- 232 • **Deliverable C7:** Strengthening the diverse conceptualization of multiple values of nature and its
233 benefits, including biodiversity and ecosystem functions and services in support of objective C:
234 Provision of methodological guidance on values to assessments and other deliverables as necessary,
235 as outlined further in the annex.
- 236 • **Deliverable C8:** Communicating and involving all stakeholders in relation with objective C:
237 Continuation of the work to implement the IPBES communication and outreach strategy¹³ and the
238 IPBES stakeholder engagement strategy,¹⁴ to increase the visibility of IPBES, and the uptake of its
239 products by Governments and a diversity of other stakeholders.

240 II. Institutional arrangements for the implementation of the work programme

241 A. Existing bodies

- 242 10. The following existing bodies will continue to perform their role:
- 243 a) *Plenary.* The Plenary is the Platform’s decision-making body, comprising all members of
244 the Platform (rule 2(c) of the rules of procedure for sessions of the Plenary of the Platform). Its
245 mandate is set out in paragraph 7 of annex I to the resolution establishing the Platform.¹⁵ The
246 Plenary has overall responsibility for all aspects of the Platform, including the development and
247 implementation of its work programme and final endorsement of all of its products and services.
248 The Plenary initiates the development of additional deliverables and approves deliverables in
249 accordance with the Platform’s processes and procedures;
 - 250 b) *Bureau.* The Bureau advises the Chair and the secretariat on the conduct of the business of
251 the Plenary and its subsidiary bodies (rule 16 of the rules of procedure), and serves as observers to
252 the Multidisciplinary Expert Panel, in line with rule 25. The Bureau is responsible for overseeing

¹¹ Decision IPBES-3/4, annex II.

¹² Decision IPBES-5/1, annex II.

¹³ Decision IPBES-3/4, annex I.

¹⁴ Decision IPBES-3/4, annex II.

¹⁵ UNEP/IPBES.MI/2/9, annex I.

- 253 the administrative functions described in paragraph 14 of appendix I to the resolution establishing
254 the Platform, which with regard to the work programme includes responsibility for issues relating to
255 prioritization, budgeting and resource management, observance of policies and procedures,
256 partnership arrangements, relationships with donors and preparation for the meetings of the Plenary;
- 257 c) *Multidisciplinary Expert Panel.* The Multidisciplinary Expert Panel (MEP) carries out the
258 scientific and technical functions agreed upon by the Plenary (rule 24 of the rules of procedure), as
259 described in paragraph 15 of appendix I to the resolution establishing the Platform. With regard to
260 implementation of the work programme, the Panel has a wide range of responsibilities, including
261 the management of the IPBES peer-review process to ensure the highest levels of scientific quality,
262 independence and credibility for all products delivered by IPBES at all stages of the process,
263 engaging the scientific community and other knowledge holders and ensuring scientific and
264 technical coordination among structures set up under IPBES and facilitating coordination between
265 IPBES and other related processes to build upon existing efforts.
- 266 d) *Secretariat.* The primary role of the secretariat of the Platform (rule 2(f) of the rules of
267 procedure), as set out in paragraphs 19 and 20 of appendix I to the resolution establishing the
268 Platform, is to ensure the efficient functioning of the Platform through its support for the Plenary,
269 the Bureau and the Multidisciplinary Expert Panel, preparation of documents and organization of
270 meetings, facilitation of communications and financial management. Additionally, the secretariat
271 may be tasked by the Plenary with technical functions to support implementation of the work
272 programme.
- 273 11. Regarding **frequency of sessions of the Plenary:**
274 The Plenary will continue to meet with a frequency varying between 12 and 18 months, depending
275 on the needs of the work program (e.g., approval of scoping reports, approval and acceptance of
276 assessments, selection of new MEP or Bureau members) and available funding.

277 B. Expert groups and task forces

- 278 12. Like the first work programme, the implementation of the next work programme will be supported by
279 time-bound and task-specific expert groups, task forces, technical support and technical support units.
280 The following institutional arrangements will be made to implement the work programme.
281 Information on specific terms of reference for these groups will be included in document
282 IPBES/7/6/Add.2 on modalities:
- 283 a. **Time bound expert groups** will be established for the preparation of assessments or
284 technical papers, in line with the procedures for the preparation of Platform deliverables as set out
285 in annex I to decision IPBES-3/3, and will include:
- 286 (i) **Expert groups** to deliver a scoping report:
287 These groups will include scientists from all relevant disciplines, ILK experts and
288 experts on ILK, and policy practitioners to increase relevance and credibility.
289 Electronic conferences may be used as part of the scoping process to increase the
290 amount and type of input into that process. Governments and other stakeholders will
291 continue to be encouraged to nominate experts that reflect the practical experience in
292 policy-making, research programming and capacity-building to increase policy
293 relevance of the scoping report.
- 294 (ii) **Expert groups** to deliver an assessment report:
295 Governments and other stakeholders will continue to be encouraged to pay attention
296 to the nomination of experts from all regions, of women, of social scientists and
297 scholars from the humanities, of scientists from all relevant disciplines, and of ILK
298 experts and experts on ILK.
- 299 (iii) **Expert groups** to deliver technical papers:
300 Technical papers are based on materials contained in the assessment reports and are
301 prepared on topics deemed important to the Plenary. The Plenary may wish to initiate
302 in the next few years, in addition to deliverable C1, other technical papers stemming
303 from IPBES assessments as a way to make more use of IPBES assessments, and to
304 better target particular audiences. Expert groups will be established for the duration of
305 the production of a technical paper, upon request from the Plenary, for possibly 12 to

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- 306 18 months. These expert groups would be composed of a subset of the authors of the
307 original assessments, selected by MEP and Bureau.
- 308 (iv) Expert groups may also be established to perform other duties such as the
309 development of policy support tools;
- 310 b. **Task forces** will be established for the duration of the IPBES work programme up to 2030
311 as follows:
- 312 (i) Terms of reference for the task forces will include a mechanism to allow for
313 replacement of their members;
- 314 (ii) Task forces will include experts from assessment groups, and representatives of
315 strategic partners of IPBES or collaborative supporters of IPBES (see next section);
- 316 (iii) Task forces will be established for:
- 317 a. Capacity building;
- 318 b. Policy support tools and methodologies;
- 319 c. Knowledge and data;
- 320 d. Indigenous and local knowledge;
- 321 e. Scenarios and models of biodiversity and ecosystem services.

322 C. Engagement with Governments and partners

- 323 13. IPBES will continue to engage with:
- 324 a. Governments, in particular by convening meetings of IPBES national focal points to reflect on
325 particular aspects of the implementation of the work programme, or on the uptake of
326 assessment reports or other products of IPBES;
- 327 b. The four UN agencies (the United Nations Environment Programme, the United Nations
328 Development Programme, the United Nations Educational, Scientific and Cultural
329 Organization, and the Food and Agriculture Organization of the United Nations), in the context
330 of the collaborative partnership agreement established between the IPBES Plenary and these
331 agencies¹⁶;
- 332 c. The Convention on Biological Diversity, the Convention on Migratory Species of Wild
333 Animals, the Ramsar Convention on Wetlands, the Convention on International Trade in
334 Endangered Species of Wild Fauna and Flora, and the UN Convention to Combat
335 Desertification, in the context of the memoranda of understanding between the IPBES
336 secretariat and the secretariats of these agreements, and with the Intergovernmental Panel on
337 Climate Change;
- 338 d. A limited number of strategic partners, including in the context of agreements established
339 during the first work programme, which could be renewed (please see document
340 IPBES/7/INF/15), as well as new agreements which might be concluded;
- 341 e. A larger set of collaborative supporters, who will contribute, through their own work, to the
342 overall objectives of IPBES, according to a mechanism set out in the document on modalities
343 (IPBES/7/6/Add.2).

344 D. Additional institutional arrangements needed for the next work programme

- 345 14. Technical support for the implementation of the next work programme will be provided by the
346 secretariat, which will be complemented, for some of the deliverables, by a technical support unit, as
347 set out in document IPBES/7/6/Add. 2. IPBES will follow a process similar to that used during the
348 first work programme, and launch calls for in-kind support from Governments and other stakeholders
349 for the establishment of these units. These units would be selected by the Bureau, and work under the
350 authority of the Executive Secretary.

¹⁶ Decision IPBES-2/8.

351 III. Work programme budget

- 352 15. The IPBES work programme up to 2030 will continue to rely on four distinct categories of resources:
- 353 a. Cash contributions to the IPBES trust fund;
- 354 b. In-kind contributions covering elements otherwise charged to the trust fund, as well as
- 355 other activities in support of the work programme;
- 356 c. Time provided pro bono by selected experts; and
- 357 d. Catalysing of activities that contribute to the IPBES objectives.
- 358 16. The budget will continue to be structured according to the following categories:
- 359 a. Meetings of the Platform bodies (25% of overall budget);
- 360 b. Work programme (about 50% of overall cost);
- 361 c. Secretariat (about 25% of overall cost);
- 362 17. The estimated cost for the IPBES work programme up to 2030 will be included in the document
- 363 considered by Plenary.
- 364 a. the IPBES trust fund, over the period 2013–2017, received an average of \$5.7 million per year
- 365 thanks to a single major donation in 2013. The trust fund, over the past three years, from 2015
- 366 to 2017, has received an average of \$3.6 million per year. With recent developments, including
- 367 the expected regular contribution from the European Union, a conservative estimate is that
- 368 **IPBES could expect a regular annual income of around \$5 million per year.** This amount
- 369 could increase during the next work programme if fund raising efforts are successful;
- 370 b. IPBES has also received in-kind contributions of between \$5 million and \$6 million per year
- 371 on average, covering costs that would otherwise have had to be supported by the trust fund,
- 372 such as for the provision of technical support units or support to meetings. This amount of in-
- 373 kind support would be expected to be maintained or even increased during the next work
- 374 programme;
- 375 c. IPBES has further received in-kind contributions from all the experts involved in IPBES,
- 376 contributing on average between 10 and 20 per cent of their time on a pro bono basis, which
- 377 amounts to an estimated additional in-kind contribution of \$4.7 million to \$9.4 million per year.
- 378 This amount of in-kind support would be expected to be maintained during the next work
- 379 programme;
- 380 d. An increasing number of activities contributing to the IPBES objectives but not forming part of
- 381 the approved work programme and budget have been catalysed, such as capacity-building with
- 382 funds from the German International Climate Initiative of \$10 million over the period 2016–
- 383 2017, or a recent call for research on scenarios and models for biodiversity and ecosystem
- 384 services launched by the European Union-funded BiodivERsA network and the Belmont
- 385 Forum, with a budget of some \$23.5 million, to address the research priorities highlighted in
- 386 the IPBES assessment on scenarios and models. The number and the overall amount of
- 387 catalysed activities contributing to the IPBES objectives is expected to increase during the next
- 388 work programme;
- 389 18. **The annual estimated cost of IPBES for the period up to 2030 would be between \$6.5 and \$8.5**
- 390 **million.** The cost estimate for implementing the work programme for the period 2019–2029, by
- 391 deliverable, is set out in document IPBES/7/6/Add.2. The priorities in the work programme will be
- 392 established by the Plenary in the decisions that it adopts on the budget and on the initiation and
- 393 scoping of deliverables. **Additional contributions will need to be identified in order to implement**
- 394 **this IPBES work programme up to 2030.**

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Annex

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NB: This annex contains short descriptions for the proposed deliverables. They will be further fleshed out in the Plenary document, following the review by Governments, and complemented by the documents mentioned in the introduction.

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a- Deliverable A1:

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A thematic assessment on the conservation and sustainable use of life on land (SDG 15) and below water (SDG 14) while addressing ending hunger (SDG 2), clean water (SDG 3), good health and well-being for people (SDG 6), and climate action (SDG 13), referred to in short as “nexus assessment”

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This assessment of the interactions between and among (i.e., the nexus) biodiversity and ecosystem services, climate, agriculture/fisheries/aquaculture/food, water, human health and nutrition was suggested by the CBD, Norway, the European Union, and UNESCO. Several other countries suggested nexus assessments that are incorporated into the one suggested, e.g., biodiversity and climate change (Brazil, France, China, Norway and UNEP); biodiversity and health (Belgium, Finland, France, Bioversity International (CGIAR), EAT Foundation, and NEOH); biodiversity and food systems (France, Norway, Bioversity International (CGIAR) and the EAT Foundation). Japan suggested a nexus of food, water, health and energy, in the context of the next global assessment, which could be addressed as a nexus assessment. The assessment will also address other issues suggested by Governments, such as pathways to transformational change, people and quality of life.

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The loss of biodiversity and ecosystem services and human-induced climate change are inseparable issues, and each in turn impact on our ability to produce nutritious food, supply clean water, and sustain healthy lives for all. In turn, the way we produce our food (extensification and intensification of agricultural systems) and manage our water are currently causing the loss of biodiversity and ecosystem services (and the loss of some traditional knowledge related to their use), and increasing the emissions of greenhouse gases into the atmosphere, which contribute to human-induced climate change. In addition, the issues of food, water and human health are all inter-linked. Current agricultural systems impact on the quality of water, which in turn effects human health, and our choice of food products impacts on human health. Figure 1, is a simplistic illustration of how these issues interact.

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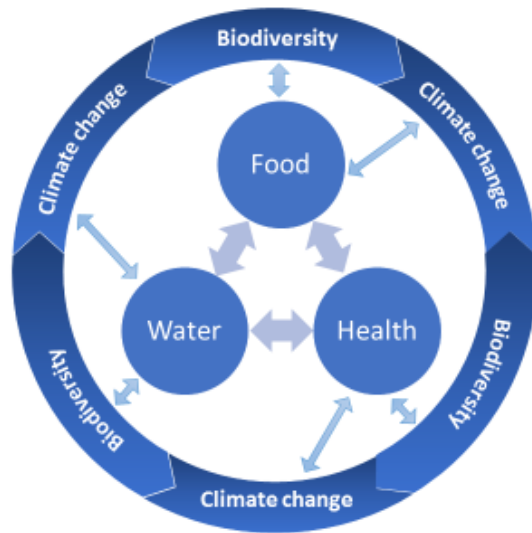
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Figure 1: The nexus between biodiversity, climate change, food, water and human health.



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The challenge is to produce healthy nutritious food from terrestrial, freshwater and marine systems: (i) in a world where the climate is changing and biodiversity is being lost; and (ii) without adversely impacting on

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426 biodiversity, water quality or contributing to human-induced climate change. The assessment will focus
427 on assessing:

- 428 ▪ How projected changes in climate impact on biodiversity and ecosystem services and how projected
429 changes (predominantly losses) of biodiversity and ecosystem services affect the Earth’s climate;
- 430 ▪ How proposed land-management climate mitigation strategies (e.g., large-scale afforestation and
431 reforestation, and large-scale bio-energy with carbon capture and storage) could affect biodiversity;
- 432 ▪ How projected changes in climate and biodiversity impact on agricultural production, water
433 resources and human health;
- 434 ▪ How future agricultural terrestrial, freshwater and marine systems can sustainably produce the food
435 we need, and support good human health, without contributing to human-induced climate change,
436 loss of biodiversity, and pollution of freshwater and coastal ecosystems;
- 437 ▪ The impact of dietary choices on agricultural systems and consequent implications for biodiversity
438 and climate change.

439 The proposed assessment will focus on producing the information needed to simultaneously achieve
440 multiple policy objectives enshrined in the UN SDGs, the Paris Climate Agreement, and the post-2020
441 Biodiversity Framework. The proposed assessment will focus on the transformative changes needed in
442 governance systems and cross-sectoral policies, technologies and behavior change, identifying synergies
443 and trade-offs at multiple spatial scales. It will examine the challenges and opportunities for different
444 stakeholders, i.e., governments, private sector, academics, non-governmental organizations and the public.
445 It will examine transboundary issues such as the influence of trade.

446 While the proposed assessment will be global in scope it will assess regional differences and similarities.

447 The proposed assessment will provide scientific evidence directly relevant to simultaneously achieving
448 multiple SDGs, i.e., SDG 2 (ending hunger, i.e., issues of food security), SDG 6 (clean water, i.e. issues of
449 water security), SDG 3 (good health and well-being, i.e., issues such as the direct health effects of
450 biodiversity loss, climate change, polluted water, and diet), SDG 13 (climate action, i.e., issues such as
451 mitigation and adaptation through land management activities), SDG 14 (life below water), SDG 15 (life
452 on land), and SDG 17 (partnerships for the goals – issues such as polycentric governance and cross-
453 sectoral policies).

454 The assessment will also contribute to SDG 1 (poverty in its broadest definition), SDG 4 (education, i.e.,
455 issues such as awareness building), SDG 5 (gender equality, e.g., issues such as the role of women in
456 farming), SDG 8 (decent work and economic growth – issues such as the implications for livelihoods),
457 SDG 10 (reduced inequalities, i.e., issues such as the distributional implications of climate change, loss of
458 biodiversity, food and water security, and access to health infrastructure), SDG 12 (sustainable
459 consumption and production, i.e., issues such as sustainable agriculture and food waste), and SDG 16
460 (peace, justice and strong institutions – issues such as the implications of lack of access to food and clean
461 water on local and regional peace).

462 The proposed assessment will build on and complement previous and ongoing IPBES (pollination,
463 regional, land degradation and restoration, and global), IPCC (AR-5, 1.5°C, Climate Change and Land)
464 and other international assessments (e.g., FAO assessment related to food and biodiversity, and the
465 IAASTD). Therefore, the detailed scoping would assess what has and is being assessed in order for the
466 proposed assessment to be value-added and to identify what issues the Plenary would want the assessment
467 to focus on.

468 The proposed assessment, while challenging, is deemed feasible by MEP and Bureau. It will produce
469 evidence for simultaneously meeting multiple policy objectives, and assess these as an interacting system.
470 New scenarios will need to be commissioned, similarly to the IPCC commissioning of new scenarios for
471 the 1.5°C report.

472 **b- Deliverable B1:**
473 **A thematic assessment on the behavioural, social, cultural, economic, institutional, technical and**
474 **technological determinants of transformative change, to achieve the 2050 Vision for Biodiversity**

475 This request was made by the Convention on Biological Diversity and UNESCO. The United Kingdom
476 suggested to explore options for developing the evidence base to support transformational change in the
477 way society values, uses and restore ecosystems and natural resources, and manages trade-offs between
478 different demands on the environment, including the nexus of biodiversity, food, energy and health. A
479 methodological assessment of the effectiveness of various policy instruments for understanding how to
480 achieve transformational change was requested by the Convention on Biological Diversity, Japan, the
481 European Union, UNEP and UNESCO.

482 Behavioural, social, economic, institutional, technical and technological factors correspond, in the IPBES
483 conceptual framework, to the indirect drivers of change in biodiversity. Indirect drivers and their impact
484 on the direct drivers of changes in biodiversity and ecosystem services are often cited as being in need of
485 more attention, which this assessment would bring.

486 Gaining a better understanding of the elements of transformational change would facilitate the
487 development of policies and improve the effectiveness of actions and policy measures, allowing for
488 example, to assess available knowledge on human motivations for various choices and change.

489 **c- Deliverable B2:**
490 **A global assessment, with integrated regional and cross-regional components, of biodiversity and**
491 **ecosystem services**

492 The request to perform a global assessment of biodiversity and ecosystem services, with integrated
493 regional and cross-regional components, close to 2030 was proposed in the consultation on the draft
494 strategic framework, and, requested by the Convention on Biological Diversity, Japan, Norway, the United
495 Kingdom, the European Union, and UNEP. The global assessment would also address other requests of a
496 global nature including a possible joint request from the Convention on Migratory Species and of the UN
497 Convention to Combat Desertification on migratory connectivity; a focus on freshwater ecosystems as
498 requested by the Ramsar Convention (anticipated), the United States of America, Brazil and South Africa;
499 and a focus on marine systems as requested by France, Norway and the European Union.

500 This global assessment would consist of a set of chapters, a summary for policymakers, and regional and
501 cross-regional syntheses. It would be scoped over one year, and performed over four years, given the
502 breadth and complexity of the task. A release in 2028 would imply a production of the scoping report in
503 2023, and of the assessment report (chapters, summary for policymakers) and of the regional syntheses in
504 2028/29. The scope and exact timing of this assessment would be considered so as to serve the needs of
505 the post 2020 Global Biodiversity Framework and of the 2030 Agenda for Sustainable Development, and
506 in light of the impact of the first global assessment of biodiversity and ecosystem services of IPBES, and
507 of its other assessments and activities.

508 **d- Deliverable B3:**
509 **A fast track methodological assessment of the criteria, metrics and indicators of the impacts of**
510 **productive sectors on biodiversity and ecosystem services**

511 This responds to requests by the Convention on Biological Diversity, Japan, the European Union and
512 UNEP. Productive sectors, such a forestry, agriculture and fisheries, tourism, energy and mining,
513 infrastructure, manufacturing and processing, can have a range of positive and negative impacts on
514 biodiversity depending on the actions they undertake. Measuring these impacts would promote
515 consistency in reporting and inform businesses on how they impact biodiversity, and on how they could
516 improve their practices. Assessing the impacts of productive sectors, however, remains challenging
517 because appropriate criteria, metrics and indicators have not been properly synthesised and assessed. The
518 request is directly relevant to the work of the Convention on Biological Diversity, as well as to any
519 organisation including the United Nations, dealing with productive sectors as well as civil society and
520 private sector networks, and to national and global businesses around the world.

521 **e- Deliverable C1:**
522 **A technical paper on synergies and trade-offs between the need to protect biodiversity and to**
523 **mitigate and adapt to climate change**

524 As mentioned in section a above, an assessment of biodiversity and climate change was requested by
525 Brazil, France, China, Norway and UNEP. In addition, several submissions asked for enhanced
526 cooperation between IPBES and IPCC. The CBD noted the strong need to further enhance cooperation

527 between IPBES and IPCC in order to promote coherence between scenarios and related assessments
528 prepared in the context of biodiversity and climate change, including consideration for joint assessment
529 activities. France requested the establishment of an ambitious partnership with IPCC. Norway requested to
530 consider having a joint IPBES-IPCC assessment on biodiversity and climate change. UNEP suggested a
531 rapid assessment of the implications of the 1.5C report. Finally, WWF requested a special IPBES/IPCC
532 report on biodiversity and climate change.

533 The Multidisciplinary Expert Panel and the Bureau, in light of these requests, and of the urgency to bring
534 biodiversity at the forefront of discussions regarding land-based climate mitigation strategies, are
535 recommending producing a joint IPCC-IPBES technical paper on synergies and tradeoffs between the
536 need to protect biodiversity and to mitigate and adapt to climate change. Such a technical paper would be
537 based on the IPBES global, regional and land degradation and restoration assessments, on one hand, and
538 on the IPCC special report on global warming of 1.5C, and other IPCC reports, on the other hand. A recent
539 workshop on “biodiversity and climate change: integrating science for coherent policy”, under the CBD,
540 and the UNFCCC, attended by experts in the fields of biodiversity and climate change mitigation and
541 adaptation, mainly from the IPCC and IPBES communities, started to identify some of the issues that
542 would need to be addressed in the technical paper (UNEP/CBD/14/INF/22).

543 f- **Building capacity (deliverables A2, B7, and C2):**

544 Work on capacity building will implement activities as set out in the capacity-building rolling plan,
545 welcomed by the Plenary in decision IPBES-5/1, which will be targeted at particular topics and
546 objectives:

547 a) Learning and engagement:

548 (i) A fellowship programme, allowing early career researchers and other professionals to
549 engage with the Platform’s activities, working alongside more experienced colleagues;

550 (ii) A training, awareness and empowering programme, aiming at enhancing individual
551 and institutional capacities for supporting the development and use of IPBES
552 deliverables;

553 (iii) Secondments and internships within the secretariat, to foster shared knowledge and
554 understanding and build experience in managing the science-policy interface.

555 b) Access to expertise and information:

556 (i) Building and supporting communities of practice among experts, policymakers,
557 development partners and practitioners based on other IPBES work programme
558 deliverables, in particular in the context of thematic and methodological assessments;

559 (ii) Providing capacity-building support for the work with indigenous and local
560 knowledge in assessments and other relevant deliverables, and for dialogue among
561 different knowledge systems, in line with the adopted approach for working with
562 indigenous and local knowledge holders and experts;

563 (iii) Developing the necessary capacities to achieve increased access to data, information
564 and knowledge needed for the implementation of the IPBES work programme and to
565 increase the reach and impact of work programme deliverables;

566 c) Interfacing science and policy at national and regional level:

567 (i) Promoting and facilitating the use of IPBES methodologies and conceptual framework
568 in national or sub-regional policies, programmes and assessments;

569 (ii) Encouraging the development of national and regional platforms and networks on
570 biodiversity and ecosystem services;

571 (iii) Developing stronger ties with scientific research institutions and associations working
572 in the field of biodiversity and ecosystem services to make IPBES better known in the
573 scientific community and increase its involvement in IPBES.

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- 574 g- **Mobilising knowledge (deliverables A3, B8, C3):** Work will implement at the following activities:
- 575 a) Identifying, prioritizing and helping to mobilize existing knowledge and data needed for
- 576 IPBES work, and in particular for assessments;
- 577 b) Identifying gaps in knowledge and data in IPBES assessments and prioritizing them
- 578 according to needs of policymakers at appropriate scales;
- 579 c) Catalysing efforts to generate new knowledge and data, on gaps identified in IPBES
- 580 assessments, and possibly other deliverables, by engaging in dialogue with key organizations,
- 581 policymakers and funding organizations.
- 582 h- **Supporting policy formulation and implementation (deliverables A4, B9, C4):** Implementation of
- 583 the following activities:
- 584 a) Providing advice to expert groups performing assessments, in particular on methodological
- 585 assessments related to policy development and implementation support;
- 586 b) Overseeing the development of content for the IPBES policy support web portal (previously
- 587 called the catalogue of policy support tools) and use of the web portal, ensuring that policy instruments
- 588 and support tools identified in IPBES assessments are featured on the web portal and accessible to and
- 589 usable by decision makers;
- 590 c) Promoting and catalysing the further development of policy instruments, support tools and
- 591 good practices to fill gaps identified in IPBES assessments.
- 592 i- **Implementing the IPBES approach to recognizing and working with indigenous and local**
- 593 **knowledge¹⁷ (A5, B10, C5)** through the activities summarised as follows:
- 594 a) Assessments: Implement the four phase approach, consisting of: (i) collaboratively defining
- 595 the problems and goals during the scoping of an assessment; (ii) synthesizing and incorporating into the
- 596 assessment a wide array of evidence and data from multiple sources of indigenous and local knowledge
- 597 related to the assessment; (iii) appropriately and effectively engaging indigenous peoples and local
- 598 communities in the review of the various drafts of an assessment; and (iv) sharing knowledge and insights
- 599 gained through the assessment with indigenous peoples and local communities once the assessment is
- 600 completed;
- 601 b) Knowledge and data: Identifying ILK experts and experts on ILK; facilitating, via the
- 602 IPBES web-based infrastructure, access and management of available sources related to indigenous and
- 603 local knowledge; promoting and catalysing the mobilization of indigenous and local knowledge; taking
- 604 into account appropriately those aspects relevant to indigenous and local knowledge and indigenous
- 605 peoples and local communities in the work performed on knowledge and data (e.g. list of indicators,
- 606 classifications of units of analysis);
- 607 c) Policy support tools and methodologies: Identify, describe and facilitate the use of relevant
- 608 tools, methods and guidelines for implementing the four phases of the proposed approach summarized in
- 609 Para i) above, and promote and catalyze their further development; ensure that tools and methodologies
- 610 relevant to indigenous and local knowledge and indigenous peoples and local communities are reflected in
- 611 IPBES assessments;
- 612 d) Capacity-building: Identify, prioritize and build capacity of biodiversity related institutions
- 613 and individuals critical to the implementation of the approach (e.g. training workshops and webinars on
- 614 the approaches); and promote collaboration and partnerships where such needs go beyond those of IPBES;
- 615 e) Participatory mechanism: Continuously improve and implement the mechanism according to
- 616 the activities set out in the approach, including by providing and facilitating a web-based platform to
- 617 ensure meaningful engagement of existing networks of indigenous peoples and local communities and
- 618 relevant experts and allowing new networks to develop and engage; Promoting a meaningful dialogue with
- 619 various networks, relevant experts and policymakers to mobilize inputs and disseminate results during all
- 620 four phases of the assessment process; Creating opportunities for shared learning and knowledge and
- 621 information exchange through dedicated discussion forums; Engaging in partnerships, to promote and
- 622 implement the approach.

¹⁷ Decision IPBES-5/1, annex II.

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- 623 j- **Advancing work on scenarios and models for biodiversity and ecosystem services (deliverables**
624 **A6, B11, C6):** Continuation of the work set out in the terms of reference for the further development
625 of tools and methodologies regarding scenarios and models (decision IPBES-4/1, annex V):
- 626 a) Providing expert advice on the use of existing models and scenarios to address the current
627 needs of Platform;
- 628 b) Catalysing the development of scenarios and associated models by the broader scientific
629 community.
- 630 k- **Strengthening the diverse conceptualization of multiple values of nature and its benefits,**
631 **including biodiversity and ecosystem functions and services (deliverables A7, B12, C7):** Provision
632 of methodological guidance on values to ongoing assessments and other deliverables as necessary.
633 This role will be performed at first by the expert group established to produce the assessment on
634 values through deliverable B6. The Plenary may decide, when the assessment on values is finished, to
635 establish a dedicated task force to perform this work.
- 636 l- **Communicating and involving all stakeholders (deliverables A8, B13, C8):** Continuation of the
637 work to implement the IPBES communication and outreach strategy¹⁸ and the IPBES stakeholder
638 engagement strategy,¹⁹ through activities on communication, outreach and stakeholder engagement, to
639 increase the visibility of IPBES, and the uptake of its products by Governments and a diversity of
640 other stakeholders.

¹⁸ Decision IPBES-3/4, annex I.

¹⁹ Decision IPBES-3/4, annex II.