

Appendix 2.3: Detailed list of references used for the assessment of nature's contributions to people (NCP) in the regional assessment for Europe and Central Asia (ECA)

Contents

2.2.	Status and trends of nature's contributions to people in Europe and Central Asia	2
2.2.1.	Status and trends of regulating NCP	2
2.2.1.3.	Regulation of air quality	2
2.2.1.5.	Regulation of ocean acidification	2
2.2.1.6.	Regulation of freshwater quantity and flow	3
2.2.1.7.	Regulation of freshwater and coastal water quality	5
2.2.1.8.	Formation and protection of soils	9
2.2.1.9.	Regulation of natural hazards and extreme events	10
2.2.3.	Status and trends of non-material NCPs	11
2.2.3.1.	Learning and knowledge generation	11
2.2.3.1.1.	Formal learning and knowledge generation	11
2.2.3.1.2.	Indigenous and local knowledge	14
2.2.3.2.	Physical and psychological experiences	18
2.2.3.2.1.	Recreational experiences	18
2.2.3.2.2.	Aesthetic experiences	20
2.3.	Effects of trends in nature's contributions on quality of life in Europe and Central Asia.....	23
2.3.1.	Contributions to food-energy-water security	23
2.3.1.3	Water security	23
2.3.1.4	Food-energy-water security nexus.....	24
2.3.4.	Environmental equity and justice.....	24
2.3.4.2.	Intra-generational distributive equity and justice.....	24
2.3.5.	Valuing nature's contributions to people.....	28

2.2. Status and trends of nature's contributions to people in Europe and Central Asia

2.2.1. Status and trends of regulating NCP

2.2.1.3. Regulation of air quality

- Bottalico, F., Chirici, G., Giannetti, F., De Marco, A., Nocentini, S., Paoletti, E., Salbitano, F., Sanesi, G., Serenelli, C., Travaglini, D. (2015) Air pollution removal by green infrastructures and urban forests in the city of Florence, In Florence 'Sustainability of Well-Being International Forum', 2015: Food for Sustainability and Not Just Food, Florences 2015. pp. 243-251.
- Fusaro, L., E. Salvatori, et al. (2015). "Researches in Castelporziano test site: ecophysiological studies on Mediterranean vegetation in a changing environment." *Rendiconti Lincei* 26(3): 473-481.
- Harmackova, Z. V. and Vackar, D. (2015). Modelling regulating ecosystem services trade-offs across landscape scenarios in Trebonsko Wetlands Biosphere Reserve, Czech Republic. *Ecological Modelling* 295: 207-215
- Kiss, M., Takács, Á., Pogácsás, R., & Gulyás, Á. (2015). The role of ecosystem services in climate and air quality in urban areas: Evaluating carbon sequestration and air pollution removal by street and park trees in Szeged (Hungary). *Moravian Geographical Reports*, 23(3), 36– 46.
<http://doi.org/10.1515/mgr-2015-0016>
- Manes, F., Marando, F., Capotorti, G., Blasi, C., Salvatori, E., Fusaro, L., Ciancarella, L., Mircea, M., Marchetti, M., Chirici, G., Munafò, M., Regulating Ecosystem Services of forests in ten Italian Metropolitan Cities: Air quality improvement by PM10 and O₃ removal. *Ecological Indicators* 67, 425-440.
- Manes, F., Incerti, G., Salvatori, E., Vitale, M., Ricotta, C., Costanza, R. (2012) Urban ecosystem services: tree diversity and stability of tropospheric ozone removal. *Ecological Applications* 22, 349-360.
- Marando, F., Salvatori, E., Fusaro, L., Manes, F. (2016) Removal of PM10 by Forests as a Nature-Based Solution for Air Quality Improvement in the Metropolitan City of Rome. *Forests* 7, 150.
- Ortolani, C. and Vitale, M. (2016) The importance of local scale for assessing, monitoring and predicting of air quality in urban areas. *Sustainable Cities and Society* 26, 150-160.
- Silli, V., Salvatori, E., & Manes, F. (2015). Removal of airborne particulate matter by vegetation in an urban park in the city of Rome (Italy): An ecosystem services perspective. *Annali Di Botanica*, 5, 53– 62. <http://doi.org/10.4462/annbotrm-13077>

2.2.1.5. Regulation of ocean acidification

- Beer, S. and Koch, E. (1996) 'Photosynthesis of marine macroalgae and seagrasses in globally changing CO₂ environments', *Marine Ecology Progress Series*. Inter-Research Science Center, 141(1/3), pp. 199–204. Available at: <http://www.jstor.org/stable/24857205>.
- Bergstrom, P. W. (2011) 'Likely Impacts of Climate Warming and Ocean Carbonation on Eelgrass (*Zostera marina* L.)', *Marine Ecology Progress Series*, 2, pp. 18–19. Available at: <http://www.int-res.com/abstracts/meps/v566/p1-15/>.
- Engel, A., Borchard, C., Piontek, J., Schulz, K. G., Riebesell, U. and Bellerby, R. (2013) 'CO₂ increases 14C primary production in an Arctic plankton community', *Biogeosciences*. Copernicus Publications, 10(3), pp. 1291–1308. doi: 10.5194/bg-10-1291-2013.
- Delille, B., Borges, A. V and Delille, D. (2009) 'Influence of giant kelp beds (*Macrocystis pyrifera*) on diel cycles of pCO₂ and DIC in the Sub-Antarctic coastal area', *Estuarine, Coastal and Shelf Science*, 81(1), pp. 114–122. doi: <http://dx.doi.org/10.1016/j.ecss.2008.10.004>.
- Delille, B., Delille, D., Fiala, M., Prevost, C. and Frankignoulle, M. (2000) 'Seasonal changes of pCO₂ over a

- subantarctic *Macrocystis* kelp bed', *Polar Biology*, 23(10), pp. 706–716. doi: 10.1007/s003000000142.
- Duarte, C. M., Hendriks, I. E., Moore, T. S., Olsen, Y. S., Steckbauer, A., Ramajo, L., Carstensen, J., Trotter, J. A. and McCulloch, M. (2013) 'Is Ocean Acidification an Open-Ocean Syndrome? Understanding Anthropogenic Impacts on Seawater pH', *Estuaries and Coasts*, 36(2), pp. 221–236. doi: 10.1007/s12237-013-9594-3.
- Frieder, C. A., Nam, S. H., Martz, T. R. and Levin, L. A. (2012) 'High temporal and spatial variability of dissolved oxygen and pH in a nearshore California kelp forest', *Biogeosciences*, 9(10), pp. 3917–3930. doi: 10.5194/bg-9-3917-2012.
- Frieder, C. A., Gonzalez, J. P., Bockmon, E. E., Navarro, M. O. and Levin, L. A. (2014) 'Can variable pH and low oxygen moderate ocean acidification outcomes for mussel larvae?', *Global Change Biology*, 20(3), pp. 754–764. doi: 10.1111/gcb.12485.
- Koch, M., Bowes, G., Ross, C. and Zhang, X.-H. (2013) 'Climate change and ocean acidification effects on seagrasses and marine macroalgae', *Global Change Biology*, 19(1), pp. 103–132. doi: 10.1111/j.1365-2486.2012.02791.x.
- Kroeker, K. J., Kordas, R. L. and Harley, C. D. G. (2017) 'Embracing interactions in ocean acidification research: confronting multiple stressor scenarios and context dependence', *Biology Letters. The Royal Society*, 13(3). doi: 10.1098/rsbl.2016.0802.
- Marbà, N. and Duarte, C. M. (2010) 'Mediterranean warming triggers seagrass (*Posidonia oceanica*) shoot mortality', *Global Change Biology*. Blackwell Publishing Ltd, 16(8), pp. 2366–2375. doi: 10.1111/j.1365-2486.2009.02130.x.
- Senesi, L. S., Beer, S. and Bjork, M. (2009) 'Seagrass photosynthesis controls rates of calcification and photosynthesis of calcareous macroalgae in a tropical seagrass meadow', *Marine Ecology Progress Series. Inter-Research Science Center*, 382: 41–4, pp. 41–47. doi: 10.3354/meps07973.

2.2.1.6. Regulation of freshwater quantity and flow

- Alexander, K., & West, J. (2012). *Chapter 4: "Water" - Resource Efficiency in Asia and the Pacific*. Bangkok.
- Animesh, K. G., Carlo, G., & Yoshihide, W. (2016). Measuring global water security towards sustainable development goals. *Environmental Research Letters*, 11(12), 124015. Retrieved from <http://stacks.iop.org/1748-9326/11/i=12/a=124015>
- Cohen-Shacham, E., Dayan, T., Feitelson, E., & de Groot, R. S. (2011). Ecosystem service trade-offs in wetland management: drainage and rehabilitation of the Hula, Israel. *Hydrological Sciences Journal*, 56(8), 1582–1601. <http://doi.org/10.1080/02626667.2011.631013>
- Conrad, C., Kaiser, B. O., & Lamers, J. P. A. (2016). Quantifying water volumes of small lakes in the inner Aral Sea Basin, Central Asia, and their potential for reaching water and food security. *Environmental Earth Sciences*, 75(11). <http://doi.org/10.1007/s12665-016-5753-8>
- EEA. (2011). Water exploitation index (WEI) — in late 1980s/early 1990s (WEI-90) compared to latest years available (1998 to 2007). Retrieved August 16, 2017, from <https://www.eea.europa.eu/data-and-maps/figures/water-exploitation-index-wei-4#tab-metadata>
- EEA. (2015). *The European Environment — state and outlook 2015: synthesis report*. Copenhagen: European Environment Agency. <http://doi.org/10.2800/944899>
- EUROSTAT. (2016). Fresh water abstraction by source. Retrieved from <http://ec.europa.eu/eurostat/tgm/table.do?tab=table&init=1&plugin=1&language=en&pcode=ten00002%0A>
- FAO. (2013). *Irrigation in Central Asia in figures. AQUASTAT Survey – 2012*. Rome.
- FAO. (2016). *AQUASTAT main database. AQUASTAT Main Database*.

- Glavan, M., Pintar, M., & Volk, M. (2013). Land use change in a 200-year period and its effect on blue and green water flow in two Slovenian Mediterranean catchments—lessons for the future. *Hydrological Processes*, 27(26), 3964–3980. <http://doi.org/10.1002/hyp.9540>
- Harrison, P. A., Vandewalle, M., Sykes, M. T., Berry, P. M., Bugter, R., de Bello, F., ... Zobel, M. (2010). Identifying and prioritising services in European terrestrial and freshwater ecosystems. *Biodiversity and Conservation*, 19(10), 2791–2821. <http://doi.org/10.1007/s10531-010-9789-x>
- Karabulut, A., Egoh, B. N., Lanzanova, D., Grizzetti, B., Bidoglio, G., Pagliero, L., ... Mubareka, S. (2016). Mapping water provisioning services to support the ecosystem–water–food–energy nexus in the Danube river basin. *Ecosystem Services*, 17, 278–292. <http://doi.org/http://dx.doi.org/10.1016/j.ecoser.2015.08.002>
- Krogulec, E., Zablocki, S., & Sawicka, K. (2016). Changes in groundwater regime during vegetation period in Groundwater Dependent Ecosystems. *Acta Geologica Polonica*, 66(3), 525–540. <http://doi.org/10.1515/agp-2016-0024>
- Lutz, S. R., Mallucci, S., Diamantini, E., Majone, B., Bellin, A., & Merz, R. (2016). Hydroclimatic and water quality trends across three Mediterranean river basins. *Science of the Total Environment*, 571, 1392–1406. <http://doi.org/http://dx.doi.org/10.1016/j.scitotenv.2016.07.102>
- Maes, J., Fabrega, N., Zulian, G., Barbosa, A., Vizcaíno, P., Ivits, E., ... Lavalle, C. (2015). *Mapping and Assessment of Ecosystems and their Services: Trends in ecosystems and ecosystem services in the European Union between 2000 and 2010*. <http://doi.org/10.2788/341839>
- Ministry of Natural Resources and Environmental Protection of the Republic of Belarus. (2010). The State of Environment in the Republic of Belarus, 1–150. Retrieved from http://www.nsmos.by/tmp/fckimages/GIATS_zakon/Nats_doklad_eng.pdf
- Miura, S., Amacher, M., Hofer, T., San-Miguel-Ayanz, J., Ernawati, & Thackway, R. (2015). Protective functions and ecosystem services of global forests in the past quarter-century. *Forest Ecology and Management*, 352, 35–46. <http://doi.org/10.1016/j.foreco.2015.03.039>
- National Statistical Committee of the Kyrgyz Republic. (2016). Statistics on yearly water use 1990–2014. Retrieved from <http://www.stat.kg/en/statistics/turizm-otdyh-ohrana-okruzhayushej-sredy/>
- Republic of Moldova. (2005). *Republic of Moldova State of the Environment Report 2004*.
- SAEFP, UNEP, & UNDP. (2012). *The National Report on the state of the environment of the Kyrgyz Republic for 2006–2011*.
- Skoulikidis, N. T., Sabater, S., Datry, T., Morais, M. M., Buffagni, A., Dorflinger, G., ... Tockner, K. (2017). Non-perennial Mediterranean rivers in Europe: Status, pressures, and challenges for research and management. *Science of the Total Environment*, 577, 1–18. <http://doi.org/10.1016/j.scitotenv.2016.10.147>
- Stahl, K., Hisdal, H., Hannaford, J., Tallaksen, L. M., van Lanen, H. A. J., Sauquet, E., ... Jódar, J. (2010). Streamflow trends in Europe: evidence from a dataset of near-natural catchments. *Hydrology and Earth System Sciences*, 14(12), 2367–2382. <http://doi.org/10.5194/hess-14-2367-2010>
- Stahl, K., Tallaksen, L. M., Hannaford, J., & van Lanen, H. A. J. (2012). Filling the white space on maps of European runoff trends: estimates from a multi-model ensemble. *Hydrology and Earth System Sciences*, 16(7), 2035–2047. <http://doi.org/10.5194/hess-16-2035-2012>
- Sturck, J., Poortinga, A., & Verburg, P. H. (2014). Mapping ecosystem services: The supply and demand of flood regulation services in Europe. *Ecological Indicators*, 38, 198–211. <http://doi.org/10.1016/j.ecolind.2013.11.010>
- Terrado, M., Acuña, V., Ennaanay, D., Tallis, H., & Sabater, S. (2014). Impact of climate extremes on hydrological ecosystem services in a heavily humanized Mediterranean basin. *Ecological Indicators*, 37, Part A, 199–209. <http://doi.org/http://dx.doi.org/10.1016/j.ecolind.2013.01.016>
- Tielborger, K., Fleischer, A., Menzel, L., Metz, J., & Sternberg, M. (2010). The aesthetics of water and land: a promising concept for managing scarce water resources under climate change. *Philosophical*

- Transactions of the Royal Society a-Mathematical Physical and Engineering Sciences*, 368(1931), 5323–5337. <http://doi.org/10.1098/rsta.2010.0143>
- UNDP. (2008). *Environmental profile of Uzbekistan based on indicators*.
- UNEP/UNECE. (2016). *GEO-6 Assessment for the pan-European region*. Nairobi, Kenya.
- Val, J., Chinarro, D., Pino, M. R., & Navarro, E. (2016). Global change impacts on river ecosystems: A high-resolution watershed study of Ebro river metabolism. *Science of the Total Environment*, 569–570, 774–783. <http://doi.org/http://dx.doi.org/10.1016/j.scitotenv.2016.06.098>
- Vidal-Abarca Gutiérrez, M. R., & Suárez Alonso, M. L. (2013). Which are, what is their status and what can we expect from ecosystem services provided by Spanish rivers and riparian areas? *Biodiversity and Conservation*, 22(11), 2469–2503. <http://doi.org/10.1007/s10531-013-0532-2>
- World Bank. (2016). Percentage of population with access to improved drinking water sources. Retrieved from <http://data.worldbank.org/indicator/SH.STA.ACSN.%0A>
- Zorrilla-Miras, P., Palomo, I., Gómez-Baggethun, E., Martín-López, B., Lomas, P. L., & Montes, C. (2014). Effects of land-use change on wetland ecosystem services: A case study in the Doñana marshes (SW Spain). *Landscape and Urban Planning*, 122, 160–174. <http://doi.org/http://dx.doi.org/10.1016/j.landurbplan.2013.09.013>

2.2.1.7. Regulation of freshwater and coastal water quality

- Albert, C., Hauck, J., Buhr, N., & von Haaren, C. (2014). What ecosystem services information do users want? Investigating interests and requirements among landscape and regional planners in Germany. *Landscape Ecology*, 29(8), 1301–1313. <http://doi.org/10.1007/s10980-014-9990-5>
- Albert, C., Bonn, A., Burkhard, B., Daube, S., Dietrich, K., Engels, B., ... Wüstemann, H. (2016). Towards a national set of ecosystem service indicators: Insights from Germany. *Ecological Indicators*, 61, 38–48. <http://doi.org/http://dx.doi.org/10.1016/j.ecolind.2015.08.050>
- Albert, C., Hauck, J., Buhr, N., & von Haaren, C. (2014). What ecosystem services information do users want? Investigating interests and requirements among landscape and regional planners in Germany. *Landscape Ecology*, 29(8), 1301–1313. <http://doi.org/10.1007/s10980-014-9990-5>
- Azaroual, M., Pettenati, M., Casanova, J., Besnard, K., & Rampnoux, N. (2011). Challenges of Artificial Recharge of Aquifers: Reactive Transport Through Soils, Fate of Pollutants and Possibility of the Water Quality Improvement BT - Water Security in the Mediterranean Region: An International Evaluation of Management, Control, and . In A. Scorzari & B. El Mansouri (Eds.), (pp. 111–128). Dordrecht: Springer Netherlands. http://doi.org/10.1007/978-94-007-1623-0_9
- Beaumont, N. J., Austen, M. C., Atkins, J. P., Burdon, D., Degraer, S., Dentinho, T. P., ... Zarzycki, T. (2007). Identification, definition and quantification of goods and services provided by marine biodiversity: Implications for the ecosystem approach. *Marine Pollution Bulletin*, 54(3), 253–265. <http://doi.org/10.1016/j.marpolbul.2006.12.003>
- Blackwell, M. S. A., & Pilgrim, E. S. (2011). Ecosystem services delivered by small-scale wetlands. *Hydrological Sciences Journal*, 56(8), 1467–1484. <http://doi.org/10.1080/02626667.2011.630317>
- Boerema, A., Rebelo, A. J., Bodi, M. B., Esler, K. J., & Meire, P. (2017). Are ecosystem services adequately quantified? *Journal of Applied Ecology*, 54(2), 358–370. <http://doi.org/10.1111/1365-2664.12696>
- Boyacioglu, H., Vetter, T., Krysanova, V., & Rode, M. (2012). Modeling the impacts of climate change on nitrogen retention in a 4th order stream. *Climatic Change*, 113(3–4), 981–999. <http://doi.org/10.1007/s10584-011-0369-1>
- Braeckman, U., Yazdani Foshtomi, M., Van Gansbeke, D., Meysman, F., K., S., M., V., & Vanaverbeke.

- (2014). Variable Importance of Macrofaunal Functional Biodiversity for Biogeochemical Cycling in Temperate Coastal Sediments. *Ecosystems*.
- Buijse, A. ., Coops, H., Staras, M., Jans, L. H., Van Geest, G. J., Grift, R. E., ... Roozen, F. C. J. M. (2002). Restoration strategies for river floodplains along large lowland rivers in Europe. *Freshwater Biology* (2002), 47, 889–907. Retrieved from <https://www.eea.europa.eu/data-and-maps/indicators/nutrients-in-freshwater/nutrients-in-freshwater-assessment-published-6>
- Burt, T. P., Matchett, L. S., Goulding, K. W. T., Webster, C. P., & Haycock, N. E. (1999). Denitri[®] cation in riparian buffer zones : the role of floodplain hydrology. *Contract*, 1463(June 1998), 1451–1463.
- Čížková, H., Květ, J., Comín, F. A., Laiho, R., Pokorný, J., & Pithart, D. (2013). Actual state of European wetlands and their possible future in the context of global climate change. *Aquatic Sciences*, 75(1), 3–26. <http://doi.org/10.1007/s00027-011-0233-4>
- Clec'h, S. Le, Oszwald, J., Decaens, T., Desjardins, T., Dufour, S., Grimaldi, M., ... Lavelle, P. (2016). Mapping multiple ecosystem services indicators: Toward an objective-oriented approach. *Ecological Indicators*, 69, 508–521. <http://doi.org/10.1016/j.ecolind.2016.05.021>
- De Groot, R., Brendan, F., Christie, M., Eardley, C., Freitas, B. M., Kevan, P. G., ... Wiantoro, S. (2010). Integrating the ecological and economic dimensions in biodiversity and ecosystem service valuation. In S. G. Potts, V. L. Imperatriz-Fonseca, & H. T. Ngo (Eds.), *The economics of ecosystems and biodiversity: The ecological and economic foundations* (pp. 9–40). London: Earthscan from Routledge. <http://doi.org/10.1017/s1355770x11000088>
- de Knegt, B. (2014). *Graadmeter Diensten van Natuur; Vraag, aanbod, gebruik en trend van goederen en diensten uit ecosystemen in Nederland*.
- Decleer, K., Wouters, J., Jacobs, S., Staes, J., Spanhove, T., Meire, P., & van Diggelen, R. (2016). Mapping wetland loss and restoration potential in Flanders (Belgium): an ecosystem service perspective. *Ecology and Society*, 21(4), art46. <http://doi.org/10.5751/ES-08964-210446>
- EEA. (2015). *Air quality in Europe - 2015 report (EEA Report № 5/2015)*. <http://doi.org/10.2800/62459>
- European Environmental Agency. (2015). *EU 2010 biodiversity baseline — adapted to the MAES typology*. Retrieved from <http://www.eea.europa.eu/publications/eu-2010-biodiversity-baseline-revision>
- European Environmental Agency. (2016). *Quality of Europe's water for people's use has improved, but challenges remain to keep it clean and healthy*. Retrieved from http://www.eea.europa.eu/highlights/quality-of-europes-water-for?utm_medium=email&utm_campaign=European%20water%20policies%20and%20human%20health&utm_content=European%20water%20policies%20and%20human%20health+CID_0beddf8d6890ab8e1643d4abb0d30d7b&utm_source=EEA%20Newsletter&utm
- Ferreira, J. G., & Bricker, S. B. (2016). Goods and services of extensive aquaculture: shellfish culture and nutrient trading. *Aquaculture International*, 24(3), 803–825. <http://doi.org/10.1007/s10499-015-9949-9>
- Ferreira, J., Sequeira, A., Hawkins, A. J. S., Newton, A., Nickell, T. D., Pastres, R., ... Bricker, S. B. (2009). Analysis of coastal and offshore aquaculture: Application of the FARM model to multiple systems and shellfish species (DOI:10.1016/j.aquaculture.2008.12.017). *Aquaculture*, 292(1–2), 129–138. <http://doi.org/10.1016/j.aquaculture.2009.03.039>
- Gachango, F. G., Andersen, L. M., & Pedersen, S. M. (2015). Adoption of voluntary water-pollution reduction technologies and water quality perception among Danish farmers. *Agricultural Water Management*, 158, 235–244. <http://doi.org/10.1016/j.agwat.2015.04.014>
- Garcia-Llorente, M., Iniesta-Arandia, I., Willaarts, B. A., Harrison, P. A., Berry, P., Bayo, M. D., ... Martin-

- Lopez, B. (2015). Biophysical and sociocultural factors underlying spatial trade-offs of ecosystem services in semiarid watersheds. *Ecology and Society*, 20(3), 27. <http://doi.org/10.5751/es-07785-200339>
- Geijzendorffer, I., Galewski, T., Guelmami, A., Perennou, C., Popoff, Na., & Grillas. (2017). Mediterranean wetlands: a gradient from natural resilience to a fragile social-ecosystem.
- Geijzendorffer, I. R., Martín-López, B., & Roche, P. K. (2015). Improving the identification of mismatches in ecosystem services assessments. *Ecological Indicators*, 52, 320–331. <http://doi.org/10.1016/j.ecolind.2014.12.016>
- Grizzetti, B., Passy, P., Billen, G., Bouraoui, F., Garnier, J., & Lassaletta, L. (2015). The role of water nitrogen retention in integrated nutrient management: assessment in a large basin using different modelling approaches. *Environmental Research Letters*, 10(6), 65008. <http://doi.org/10.1088/1748-9326/10/6/065008>
- Grizzetti, B., Pistocchi, A., Liquete, C., Udiás, A., Bouraoui, F., & van de Bund, W. (2017). Human pressures and ecological status of European rivers. *Scientific Reports*, 7(1), 205. <http://doi.org/10.1038/s41598-017-00324-3>
- Hainz-Renetzeder, C., Schneidergruber, A., Kuttner, M., & Wrbka, T. (2015). Assessing the potential supply of landscape services to support ecological restoration of degraded landscapes: A case study in the Austrian-Hungarian trans-boundary region of Lake Neusiedl. *Ecological Modelling*, 295, 196–206. <http://doi.org/10.1016/j.ecolmodel.2014.07.001>
- Harrison, P. A., Vandewalle, M., Sykes, M. T., Berry, P. M., Bugter, R., de Bello, F., ... Zobel, M. (2010). Identifying and prioritising services in European terrestrial and freshwater ecosystems. *Biodiversity and Conservation*, 19(10), 2791–2821. <http://doi.org/10.1007/s10531-010-9789-x>
- Haycock, N. E., & Burt, T. P. (1993). Role of floodplain sediments in reducing the nitrate concentration of subsurface run-off: A case study in the Cotswolds, UK. *Hydrological Processes*, 7(3), 287–295. <http://doi.org/10.1002/hyp.3360070306>
- Jablonska, E., Pawlikowski, P., Jarzombkowski, F., Chorma??ski, J., Okruszko, T., & K??osowski, S. (2011). Importance of water level dynamics for vegetation patterns in a natural percolation mire (Rospuda fen, NE Poland). *Hydrobiologia*, 674(1), 105–117. <http://doi.org/10.1007/s10750-011-0735-z>
- Karadeniz, N., Tırıl, A., & Baylan, E. (2009). Wetland management in Turkey : Problems , achievements and perspectives, 4(11), 1106–1119.
- Kimmel, K., & Kull, Å. A. (2010). The status , conservation and sustainable use of Estonian wetlands. *Wetlands Ecol Manage*, 18, 375–395. <http://doi.org/10.1007/s11273-008-9129-z>
- Kimmel, K., & Mander, Ü. (2010). Ecosystem services of peatlands: Implications for restoration. *Progress in Physical Geography*, 34(4), 491–514. <http://doi.org/10.1177/0309133310365595>
- Maes, J., Fabrega, N., Zulian, G., Barbosa, A., Vizcaíno, P., Ivits, E., ... Lavalle, C. (2015). *Mapping and Assessment of Ecosystems and their Services: Trends in ecosystems and ecosystem services in the European Union between 2000 and 2010*. European Commission. <http://doi.org/10.2788/341839>
- Maes, J., Liquete, C., Teller, A., Erhard, M., Paracchini, M. L., Barredo, J. I., ... Lavalle, C. (2016). An indicator framework for assessing ecosystem services in support of the EU Biodiversity Strategy to 2020. *Ecosystem Services*, 17, 14–23. <http://doi.org/10.1016/j.ecoser.2015.10.023>
- MWO. (2012). *Mediterranean Wetlands Outlook 2012. Technical Report*. Arles, France.
- Passy, P., Garnier, J., Billen, G., Fesneau, C., & Tournebize, J. (2012). Restoration of ponds in rural landscapes: Modelling the effect on nitrate contamination of surface water (the Seine River Basin, France). *Science of the Total Environment*, 430, 280–290.

- <http://doi.org/10.1016/j.scitotenv.2012.04.035>
- Pehlivanov, L., Fikova, R., Ivanova, N., Nevena, R., Kazakov, S., Pavlova, M., & Doncheva, S. (2014). Analysis of ecosystem services of wetlands along the bulgarian section of the danube river. *Acta Zoologica Bulgarica*, 66(SUPPL. 7), 103–107.
- Santos-Martín, F., Martín-López, B., García-Llorente, M., Aguado, M., Benayas, J., & Montes, C. (2013). Unraveling the Relationships between Ecosystems and Human Wellbeing in Spain. *PLoS ONE*, 8(9), e73249. <http://doi.org/10.1371/journal.pone.0073249>
- Scholz, M., Harrington, R., Carroll, P., & Mustafa, A. (2007). THE INTEGRATED CONSTRUCTED WETLANDS (ICW) CONCEPT. *Wetlands*, 27(2), 337–354. [http://doi.org/10.1672/0277-5212\(2007\)27\[337:TICWIC\]2.0.CO;2](http://doi.org/10.1672/0277-5212(2007)27[337:TICWIC]2.0.CO;2)
- Schoumans, O. F., Chardon, W. J., Bechmann, M. E., Gascuel-Odoux, C., Hofman, G., Kronvang, B., ... Dorioz, J.-M. (2014). Mitigation options to reduce phosphorus losses from the agricultural sector and improve surface water quality: A review. *Science of The Total Environment*, 468–469, 1255–1266. <http://doi.org/10.1016/j.scitotenv.2013.08.061>
- SOER. (2016). *SOER 2015 European briefings Freshwater quality* (Vol. 2015). Retrieved from <https://www.eea.europa.eu/soer-2015/synthesis/report/table-of-contents>
- Stolbovoi V., M. I. (2002). Land Resources of Russia (CD-ROM). Laxenburg, Austria: International Institute for Applied Systems Analysis and the Russian Academy of Science. Retrieved from http://webarchive.iiasa.ac.at/Research/FOR/russia_cd/download.htm
- Stutter, M. I., Chardon, W. J., & Kronvangand, B. (2012). Riparian Buffer Strips as a Multifunctional Management Tool in Agricultural Landscapes. *Journal of Environmental Quality*, 41, 297–303. <http://doi.org/10.2134/jeq2011.0439>
- UK NEA. (2011). *The UK National Ecosystem Assessment Technical Report*.
- Vadineanu, A., & Preda, E. (2008). WATERSHEDS MANAGEMENT IN ROMANIA: CHALLENGES AND OPPORTUNITIES. In Gönenç I.E. et al. (Ed.), *Sustainable Use and Development of Watersheds* (Springer S, pp. 113–132).
- Vidal-Abarca, M. R., Suárez-Alonso, M. L., Santos-Martín, F., Martín-López, B., Benayas, J., & Montes, C. (2014). Understanding complex links between fluvial ecosystems and social indicators in Spain: An ecosystem services approach. *Ecological Complexity*, 20, 1–10. <http://doi.org/10.1016/j.ecocom.2014.07.002>
- Vidal-Abarca Gutiérrez, M. R., & Suárez Alonso, M. L. (2013). Which are, what is their status and what can we expect from ecosystem services provided by Spanish rivers and riparian areas? *Biodiversity and Conservation*, 22(11), 2469–2503. Retrieved from <http://link.springer.com/10.1007/s10531-013-0532-2>
- Wagenschein, D., & Rode, M. (2008). Modelling the impact of river morphology on nitrogen retention-A case study of the Weisse Elster River (Germany). *Ecological Modelling*, 211(1–2), 224–232. <http://doi.org/10.1016/j.ecolmodel.2007.09.009>
- Weigelhofer, G., Fuchsberger, J., Teufl, B., Welti, N., & Hein, T. (2012). Effects of riparian forest buffers on in-stream nutrient retention in agricultural catchments. *Journal of Environment Quality*, 41(2), 373–379. <http://doi.org/10.2134/jeq2010.0436>
- Yao, J., Colas, F., Solimini, A. G., Battin, T. J., Gafny, S., Morais, M., ... Gerino, M. (2017). Macroinvertebrate community traits and nitrate removal in stream sediments. *Freshwater Biology*. <http://doi.org/10.1111/fwb.12913>
- Yao, J., Sánchez-Pérez, J. M., Sauvage, S., Teissier, S., Attard, E., Lauga, B., ... Gerino, M. (2017).

- Biodiversity and ecosystem purification service in an alluvial wetland. *Ecological Engineering*, 103, 359–371. <http://doi.org/10.1016/j.ecoleng.2016.02.019>
- Zedler, J. B., & Kercher, S. (2005). WETLAND RESOURCES: Status, Trends, Ecosystem Services, and Restorability. *Annual Review of Environment and Resources*, 30(1), 39–74.
<http://doi.org/10.1146/annurev.energy.30.050504.144248>

2.2.1.8. Formation and protection of soils

- Albizua, A., Williams, A., Hedlund, K., & Pascual, U. (2015). Crop rotations including ley and manure can promote ecosystem services in conventional farming systems. *Applied Soil Ecology*, 95, 54–61.
<http://doi.org/10.1016/j.apsoil.2015.06.003>
- Birkhofer, K., Bezemer, T. M., Bloem, J., Bonkowski, M., Christensen, S., Dubois, D., ... Scheu, S. (2008). Long-term organic farming fosters below and aboveground biota: Implications for soil quality, biological control and productivity. *Soil Biology & Biochemistry*, 40(9), 2297–2308.
<http://doi.org/10.1016/j.soilbio.2008.05.007>
- Chapman, S. J., Bell, J. S., Campbell, C. D., Hudson, G., Lilly, A., Nolan, A. J., ... Towers, W. (2013). Comparison of soil carbon stocks in Scottish soils between 1978 and 2009. *European Journal of Soil Science*, 64(August), 455–465. <http://doi.org/10.1111/ejss.12041>
- GIS-Sol. (2011). *L'état des sols de France. Groupement d'intérêt scientifique sur les sols*. Retrieved from <https://www.gissol.fr/publications/rapport-sur-letat-des-sols-de-france-2-849>
- Krupenikov, I. A., Boincean, B. P., Dent, D., Krupenikov, I. A., Boincean, B. P., & Dent, D. (2011). *Humus - Guardian of Fertility and Global Carbon Sink. Black Earth: Ecological Principles for Sustainable Agriculture on Chernozem Soils*. http://doi.org/10.1007/978-94-007-0159-5_7
- Moklyachuk, L., Yatsuk, I., & Draga, M. (2015). A Monitoring study of soil fertility in the agricultural area of rivne region of Ukraine. *Emirates Journal of Food and Agriculture*, 27(2), 221–230.
<http://doi.org/10.9755/ejfa.v27i2.19278>
- Reynolds, B., Chamberlain, P. M., Poskitt, J., Woods, C., Scott, W. A., Rowe, E. C., ... Emmett, B. A. (2013). Countryside Survey : National “Soil Change” 1978 – 2007 for Topsoils in Great Britain — Acidity , Carbon , and Total Nitrogen Status. <http://doi.org/10.2136/vzj2012.0114>
- Riley, H., & Bakkegard, M. (2006). Declines of soil organic matter content under arable cropping in southeast Norway. *Acta Agriculturae Scandinavica, Section B - Plant Soil Science*, 56(3), 217–223.
<http://doi.org/10.1080/09064710510029141>
- Saby, N. P. A., Arrouays, D., Antoni, V., Lemercier, B., Follain, S., Walter, C., & Schwartz, C. (2008). Changes in soil organic carbon in a mountainous French region, 1990-2004. *Soil Use and Management*, 24(3), 254–262. <http://doi.org/10.1111/j.1475-2743.2008.00159.x>
- Sleutel, S., De Neve, S., & Hofman, G. (2003). Estimates of carbon stock changes in Belgian cropland. *Soil Use and Management*, 19(2), 166–171. <http://doi.org/10.1111/j.1475-2743.2003.tb00299.x>
- Sorokin, A., Bryzzhev, A., Strokov, A., Mirzabaev, A., Johnson, T., & Kiselev, S. V. (2016). The Economics of Land Degradation in Russia . In Ephraim Nkonya, Alisher Mirzabaev, & Joachim von Braun (Eds.), *Economics of Land Degradation and Improvement – A Global Assessment for Sustainable Development* (pp. 541–576). Springer. <http://doi.org/DOI 10.1007/978-3-319-19168-3>
- Stavi, I., Bel, G., & Zaady, E. (2016). Soil functions and ecosystem services in conventional, conservation, and integrated agricultural systems. A review. *Agronomy for Sustainable Development*, 36(2).
<http://doi.org/10.1007/s13593-016-0368-8>
- Stolbovoi V. (2002). Carbon in Russian soils. *Climate Change*, 55, 131–156.
<http://doi.org/10.1023/A:1020289403835>
- Taghizadeh-Toosi, A., Olesen, J. E., Kristensen, K., Elsgaard, L., Østergaard, H. S., Lægdsmand, M., ...

- Christensen, B. T. (2014). Changes in carbon stocks of Danish agricultural mineral soils between 1986 and 2009. *European Journal of Soil Science*, 65, 730–740. <http://doi.org/10.1111/ejss.12169>
- Torralba, M., Fagerholm, N., Burgess, P. J., Moreno, G., & Plieninger, T. (2016). Do European agroforestry systems enhance biodiversity and ecosystem services? A meta-analysis. *Agriculture, Ecosystems and Environment*, 230, 150–161. <http://doi.org/10.1016/j.agee.2016.06.002>
- Tsonkova, P., Böhm, C., Quinkenstein, A., & Freese, D. (2012). Ecological benefits provided by alley cropping systems for production of woody biomass in the temperate region: A review. *Agroforestry Systems*, 85(1), 133–152. <http://doi.org/10.1007/s10457-012-9494-8>
- Turmel, M. S., Speratti, A., Baudron, F., Verhulst, N., & Govaerts, B. (2015). Crop residue management and soil health: A systems analysis. *Agricultural Systems*, 134, 6–16. <http://doi.org/10.1016/j.agsy.2014.05.009>
- Yefremov, E. N., Sychev, V. G., & Romanenkov, V. A. (2016). Balance of Nutrients and the Optimization of Their Use in Agroecosystems of the Russian Federation. In L. Mueller, A. K. Sheudshen, & F. Eulensteine (Eds.), *Novel Methods for Monitoring and Managing Land and Water Resources in Siberia* (pp. 619–633). http://doi.org/10.1007/978-3-319-24409-9_28

2.2.1.9. Regulation of natural hazards and extreme events

- Acreman, M., Fisher, J., Stratford, C., Mould, D., & Mountford, J. (2007). Hydrological science and wetland restoration: Some case studies from Europe. *Hydrology and Earth System Sciences*, 11(1), 158–169. <http://doi.org/10.5194/hess-11-158-2007>
- Bradshaw, C. J. A., Sodhi, N. S., Peh, K. S. H., & Brook, B. W. (2007). Global evidence that deforestation amplifies flood risk and severity in the developing world. *Global Change Biology*, 13(11), 2379–2395. <http://doi.org/10.1111/j.1365-2486.2007.01446.x>
- Dawson, R. J., Dickson, M. E., Nicholls, R. J., Hall, J. W., Walkden, M. J. A., Stansby, P. K., ... Watkinson, A. R. (2009). Integrated analysis of risks of coastal flooding and cliff erosion under scenarios of long term change. *Climatic Change*, 95(1–2), 249–288. <http://doi.org/10.1007/s10584-008-9532-8>
- Dudley, N., Buyck, C., Furuta, N., Pedrot, C., Renaud, F., & Sudmeier-Rieux, K. (2015). Protected Areas as Tools for Disaster Risk Reduction. A handbook for practitioners. (Vol. 33). <http://doi.org/10.1073/pnas.0703993104>
- EEA. (2016). European past floods. Retrieved July 1, 2017, from <https://www.eea.europa.eu/data-and-maps/data/european-past-floods#tab-european-data>
- EEA. (2016). Meteorological and hydrological droughts. Retrieved from <https://www.eea.europa.eu/data-and-maps/indicators/river-flow-drought-2/assessment>
- EM-DAT. (2017). EM-DAT: The Emergency Events Database. Credit D. Guha-Sapir. Brussels, Belgium. Retrieved from www.emdat.be
- European Commission. (2015). Towards an EU Research and Innovation policy agenda for Nature-Based Solutions & Re-Naturing Cities. (R. E. and R. M. I. D.-G. for R. and C. A. Environment, Ed.). Brussels: Directorate-General for Research and Climate Action, Environment, Resource Efficiency and Raw Materials. <http://doi.org/10.2777/765301>
- Gauthier, S., Bernier, P., Kuuluvainen, T., Shvidenko, A. Z., & Schepaschenko, D. G. (2015). Boreal forest health and global change. *Science*, 349(6250), 819–822. <http://doi.org/10.1126/science.aaa9092>
- Haque, U., Blum, P., da Silva, P. F., Andersen, P., Pilz, J., Chalov, S. R., ... Keellings, D. (2016). Fatal landslides in Europe. *Landslides*, 13(6), 1545–1554. <http://doi.org/10.1007/s10346-016-0689-3>
- Hein, T., Schwarz, U., Habersack, H., Nichersu, I., Preiner, S., Willby, N., & Weigelhofer, G. (2016). Current status and restoration options for floodplains along the Danube River. *The Science of the Total Environment*, 543(Pt A), 778–790. <http://doi.org/10.1016/j.scitotenv.2015.09.073>

- Heintz, M. D., Hagemeier-Klose, M., & Wagner, K. (2012). Towards a risk governance culture in flood policy-findings from the implementation of the “floods directive” in Germany. *Water (Switzerland)*, 4(1), 135–156. <http://doi.org/10.3390/w4010135>
- Kreft, S., Eckstein, D., Dorsch, L., & Fischer, L. (2016). Global climate risk index 2016. Who Suffers Most From Extreme Weather Events ? Weather-related Loss Events in 2014 and 1995 to 2014. Bonn.
- Kumar, R., Tol, S., McInnes, R. J., Everard, M., & Kulindwa, A. A. (2017). Wetlands for disaster risk reduction: Effective choices for resilient communities. Ramsar Policy Brief No. 1., (Gland, Switzerland: Ramsar Convention Secretariat). Retrieved from http://www.ramsar.org/sites/default/files/documents/library/rpb_wetlands_and_drr_e.pdf
- Machado, M. J., Botero, B. A., López, J., Francés, F., Díez-Herrero, A., & Benito, G. (2015). Flood frequency analysis of historical flood data under stationary and non-stationary modelling. *Hydrology and Earth System Sciences*, 19(6), 2561–2576. <http://doi.org/10.5194/hess-19-2561-2015>
- Maes, J., Fabrega, N., Zulian, G., Barbosa, A., Vizcaino, P., Ivits, E., ... Lavalle, C. (2015). Mapping and Assessment of Ecosystems and their Services: Trends in ecosystems and ecosystem services in the European Union between 2000 and 2010. European Commission. <http://doi.org/10.2788/341839>
- Miura, S., Amacher, M., Hofer, T., San-Miguel-Ayanz, J. J., Ernawati, & Thackway, R. (2015). Protective functions and ecosystem services of global forests in the past quarter-century. *Forest Ecology and Management*, 352, 35–46. <http://doi.org/10.1016/j.foreco.2015.03.039>
- Mrozik, K. (2016). Assessment of Retention Potential Changes as an Element of Suburbanization Monitoring on Example of an Ungauged Catchment in Poznań Metropolitan Area (Poland), (Mrozik 2015).
- Pehlivanov, L., Fikova, R., Ivanova, N., Nevena, R., Kazakov, S., Pavlova, M., & Doncheva, S. (2014). Analysis of ecosystem services of wetlands along the Bulgarian section of the Danube river. *Acta Zoologica Bulgarica*, 66(SUPPL. 7), 103–107.
- Reed, D. W. (2002). Reinforcing flood-risk estimation. *Phil. Trans. R. Soc. Lond.*, 1373–1387.
- Schmalz, B., Kruse, M., Kiesel, J., Müller, F., & Fohrer, N. (2016). Water-related ecosystem services in Western Siberian lowland basins??Analysing and mapping spatial and seasonal effects on regulating services based on ecohydrological modelling results. *Ecological Indicators*, 71, 55–65. <http://doi.org/10.1016/j.ecolind.2016.06.050>
- Solín, L., Feranec, J., & Nováček, J. (2011). Land cover changes in small catchments in Slovakia during 1990-2006 and their effects on frequency of flood events. *Natural Hazards*, 56(1), 195–214. <http://doi.org/10.1007/s11069-010-9562-1>
- Zedler, J. B., & Kercher, S. (2005). Wetland resources: status, trends, ecosystem services, and restorability. *Annu. Rev. Environ. Resour.*, 30(1), 39–74. <http://doi.org/10.1146/annurev.energy.30.050504.144248>

2.2.3. Status and trends of non-material NCPs

2.2.3.1. Learning and knowledge generation

2.2.3.1.1. Formal learning and knowledge generation

- Angelstam, P., Elbakidze, M., Axelsson, R., Dixelius, M., & Tornblom, J. (2013). Knowledge Production and Learning for Sustainable Landscapes: Seven Steps Using Social-Ecological Systems as Laboratories. *Ambio*, 42(2), 116–128. <https://doi.org/10.1007/s13280-012-0367-1>
- Angelstam, P., Elbakidze, M., Axelsson, R., Koch, N. E., Tyupenko, T. I., Mariev, A. N., & Myhrman, L. (2013). Knowledge Production and Learning for Sustainable Landscapes: Forewords by the Researchers and Stakeholders. *Ambio*, 42(2), 111–115. <https://doi.org/10.1007/s13280-012-0371-5>

- Askerlund, P., & Almers, E. (2016). Forest gardens - new opportunities for urban children to understand and develop relationships with other organisms. *Urban Forestry & Urban Greening*, 20, 187–197. <https://doi.org/10.1016/j.ufug.2016.08.007>
- Barthel, S., Crumley, C., & Svedin, U. (2013). Bio-cultural refugia-Safeguarding diversity of practices for food security and biodiversity. *Global Environmental Change-Human and Policy Dimensions*, 23(5), 1142–1152. <https://doi.org/10.1016/j.gloenvcha.2013.05.001>
- Bieling, C. (2014). Cultural ecosystem services as revealed through short stories from residents of the Swabian Alb (Germany). *Ecosystem Services*, 8, 207–215. <https://doi.org/10.1016/j.ecoser.2014.04.002>
- Camps-Calvet, M., Langemeyer, J., Calvet-Mir, L., & Gomez-Bagethun, E. (2016). Ecosystem services provided by urban gardens in Barcelona, Spain: Insights for policy and planning. *Environmental Science & Policy*, 62, 14–23. <https://doi.org/10.1016/j.envsci.2016.01.007>
- Crossman, N. D., Burkhard, B., & Nedkov, S. (2012). Quantifying and mapping ecosystem services. *International Journal of Biodiversity Science Ecosystem Services & Management*, 8(1–2, Sp. Iss. SI), 1–4. <https://doi.org/10.1080/21513732.2012.695229>
- Czarnecki, A., Lewandowska-Czarnecka, A., & Zielinska, G. (2014). Changes in the preferences for the ecosystem service use and the effects in a city located along a river: a preliminary study based on the example of Torun (Poland) compared to the Isle of Dogs in London. *Ecological Questions*, 19, 73–82. <https://doi.org/10.12775/eq.2014.008>
- Edwards, D. M., Collins, T. M., & Goto, R. (2016). An arts-led dialogue to elicit shared, plural and cultural values of ecosystems. *Ecosystem Services*, 21, 319–328. <https://doi.org/10.1016/j.ecoser.2016.09.018>
- Gómez-Bagethun, E., Mingorría, S., Reyes-García, V., Calvet-Mir, L., & Montes, C. (2010). Traditional Ecological Knowledge Trends in the Transition to a Market Economy: Empirical Study in the Doñana Natural Areas. *Conservation Biology*, 24(3), 721–729. <https://doi.org/10.1111/j.1523-1739.2009.01401.x>
- Grilli, G., Jonkisz, J., Cioli, M., & Lesinski, J. (2016). Mixed forests and ecosystem services: Investigating stakeholders' perceptions in a case study in the Polish Carpathians. *Forest Policy and Economics*, 66, 11–17. <https://doi.org/10.1016/j.forpol.2016.02.003>
- Hadjichambis, A. C., Paraskeva-Hadjichambi, D., Della, A., Giusti, M. E., De Pasquale, C., Lenzarini, C., ... Pieroni, A. (2008). Wild and semi-domesticated food plant consumption in seven circum-Mediterranean areas. *International Journal of Food Sciences and Nutrition*, 59(5), 383–414. <https://doi.org/10.1080/09637480701566495>
- Harwood, A. R., Lovett, A. A., & Turner, J. A. (2015). Customising virtual globe tours to enhance community awareness of local landscape benefits. *Landscape and Urban Planning*, 142, 106–119. <https://doi.org/10.1016/j.landurbplan.2015.08.008>
- Hegetschweiler, K. T., de Vries, S., Arnberger, A., Bell, S., Brennan, M., Siter, N., ... Hunziker, M. (2017). Linking demand and supply factors in identifying cultural ecosystem services of urban green infrastructures: A review of European studies. *Urban Forestry & Urban Greening*, 21, 48–59. <https://doi.org/10.1016/j.ufug.2016.11.002>
- Home, R., Bauer, N., & Hunziker, M. (2010). Cultural and Biological Determinants in the Evaluation of Urban Green Spaces. *Environment and Behavior*, 42(4), 494–523. <https://doi.org/10.1177/0013916509338147>
- Ingold, K., & Zimmermann, W. (2011). How and why forest managers adapt to socio-economic changes: A case study analysis in Swiss forest enterprises. *Forest Policy and Economics*, 13(2), 97–103. <https://doi.org/10.1016/j.forpol.2010.06.003>
- Jacobs, S., Spanhove, T., De Smet, L., Van Daele, T., Van Reeth, W., Van Gossum, P., ... Peymen, J. (2016). The ecosystem service assessment challenge: Reflections from Flanders-REA. *Ecological Indicators*,

- 61, 715–727. <https://doi.org/10.1016/j.ecolind.2015.10.023>
- Karjalainen, T. P., Rossi, P. M., Ala-aho, P., Eskelinen, R., Reinikainen, K., Klove, B., ... Yang, H. (2013). A decision analysis framework for stakeholder involvement and learning in groundwater management. *Hydrology and Earth System Sciences*, 17(12), 5141–5153.
<https://doi.org/10.5194/hess-17-5141-2013>
- Kenter, J. O. (2016). Integrating deliberative monetary valuation, systems modelling and participatory mapping to assess shared values of ecosystem services. *Ecosystem Services*, 21, 291–307.
<https://doi.org/10.1016/j.ecoser.2016.06.010>
- Khakzad, S., Pieters, M., & Van Balen, K. (2015). Coastal cultural heritage: A resource to be included in integrated coastal zone management. *Ocean & Coastal Management*, 118, 110–128.
<https://doi.org/10.1016/j.ocecoaman.2015.07.032>
- Krakow, S., & Fuchs-Hanusch, D. (2016). District cooling to Avoid Groundwater Warming and User Conflicts using the Example of the City Linz - Evaluation with OWAV-Norm 207 and qualitative Efficiency Analysis. *Oesterreichische Wasser- Und Abfallwirtschaft*, 68(7–8), 354–367.
<https://doi.org/10.1007/s00506-016-0324-5>
- Leather, S. R. (2015). Influential entomology: a short review of the scientific, societal, economic and educational services provided by entomology. *Ecological Entomology*, 40, 36–44.
<https://doi.org/10.1111/een.12207>
- Lillebo, A. I., Somma, F., Noren, K., Goncalves, J., Fatima Alves, M., Ballarini, E., ... Zaucha, J. (2016). Assessment of Marine Ecosystem Services Indicators: Experiences and Lessons Learned from 14 European Case Studies. *Integrated Environmental Assessment and Management*, 12(4), 726–734.
<https://doi.org/10.1002/ieam.1782>
- Lundstroem, C., Kytzia, S., Walz, A., Gret-Regamey, A., & Bebi, P. (2007). Linking models of land use, resources, and economy to simulate the development of mountain regions (ALPSCAPE). *Environmental Management*, 40(3), 379–393. <https://doi.org/10.1007/s00267-005-0342-8>
- Mathe, S., & Rey-Valette, H. (2015). Local Knowledge of Pond Fish-Farming Ecosystem Services: Management Implications of Stakeholders' Perceptions in Three Different Contexts (Brazil, France and Indonesia). *Sustainability*, 7(6), 7644–7666. <https://doi.org/10.3390/su7067644>
- Onaindia, M., Ballesteros, F., Alonso, G., Monge-Ganuzas, M., & Pena, L. (2013). Participatory process to prioritize actions for a sustainable management in a biosphere reserve. *Environmental Science & Policy*, 33, 283–294. <https://doi.org/10.1016/j.envsci.2013.05.012>
- Overballe-Petersen, M. V., Raulund-Rasmussen, K., Buttenschon, R. M., & Bradshaw, R. H. W. (2014). The forest Gribskov, Denmark: lessons from the past qualify contemporary conservation, restoration and forest management. *Biodiversity and Conservation*, 23(1), 23–37.
<https://doi.org/10.1007/s10531-013-0582-5>
- Pike, K., Johnson, D., Fletcher, S., & Wright, P. (2011). Seeking Spirituality: Respecting the Social Value of Coastal Recreational Resources in England and Wales. *Journal of Coastal Research*, 194–204.
- Quintas-Soriano, C., Martin-Lopez, B., Santos-Martin, F., Loureiro, M., Montes, C., Benayas, J., & Garcia-Llorente, M. (2016). Ecosystem services values in Spain: A meta-analysis. *Environmental Science & Policy*, 55, 186–195. <https://doi.org/10.1016/j.envsci.2015.10.001>
- Reyes-Garcia, V., Aceituno-Mata, L., Calvet-Mir, L., Garnatje, T., Gomez-Bagethun, E., Lastra, J. J., ... Pardo-de-Santayana, M. (2014). Resilience of traditional knowledge systems: The case of agricultural knowledge in home gardens of the Iberian Peninsula. *Global Environmental Change-Human and Policy Dimensions*, 24, 223–231. <https://doi.org/10.1016/j.gloenvcha.2013.11.022>
- Santos-Martín, F., Martín-López, B., García-Llorente, M., Aguado, M., Benayas, J., & Montes, C. (2013). Unraveling the Relationships between Ecosystems and Human Wellbeing in Spain. *PLoS ONE*, 8(9), e73249. <https://doi.org/10.1371/journal.pone.0073249>
- Schlegel, J., Breuer, G., & Rupf, R. (2015). Local insects as Flagship Species to Promote Nature

- Conservation? A Survey among Primary School Children on Their Attitudes toward Invertebrates. *Anthrozoos*, 28(2), 229–245. <https://doi.org/10.2752/089279315x14219211661732>
- Schultz, L., & Lundholm, C. (2010). Learning for resilience? Exploring learning opportunities in biosphere reserves. *Environmental Education Research*, 16(5–6), 645–663.
<https://doi.org/10.1080/13504622.2010.505442>
- Selman, P., Carter, C., Lawrence, A., & Morgan, C. (2010). Re-connecting with a Recovering River through Imaginative Engagement. *Ecology and Society*, 15(3).
- Tengo, M., & Belfrage, K. (2004). Local management practices for dealing with change and uncertainty: A cross-scale comparison of cases in Sweden and Tanzania. *Ecology and Society*, 9(3).
- Tom, D. (2016). Combining internal and external motivations in multi-actor governance arrangements for biodiversity and ecosystem services. *Zenodo*.
<https://doi.org/http://dx.doi.org/10.5281/zenodo.47394>
- Ulbrich, K., Schweiger, O., Klotz, S., & Settele, J. (2015). Biodiversity impacts of climate change - the PRONAS software as educational tool. *Web Ecology*, 15, 49–58. <https://doi.org/10.5194/we-15-49-2015>
- van Berkel, D. B., & Verburg, P. H. (2014). Spatial quantification and valuation of cultural ecosystem services in an agricultural landscape. *Ecological Indicators*, 37, 163–174.
<https://doi.org/10.1016/j.ecolind.2012.06.025>
- Westerink, J., Opdam, P., van Rooij, S., & Steengrover, E. (2017). Landscape services as boundary concept in landscape governance: Building social capital in collaboration and adapting the landscape. *Land Use Policy*, 60, 408–418. <https://doi.org/10.1016/j.landusepol.2016.11.006>
- ZULJAN KUMAR, D. (2011). Odraz slovensko-furlanskega jezikovnega stika v leksiki pomenskih polj polje, vrt in sadovnjak v govoru Medane. / The Reflection of Slovenian-Friulian Linguistic Contact in the Lexis of Semantic Fields Field, Garden and Orchard in the Local Speech of Meda. In M. JESENŠEK (Ed.), *zzivi sodobnega slovenskega slovaropisja, (Mednarodna knjižna zbirka Zora, 75)*. Maribor: Mednarodna založba Oddelka za slovanske jezike in književnosti, Filozofska fakulteta (pp. 287–304).

2.2.3.1.2. Indigenous and local knowledge

- Babai, D., & Molnár, Z. (2014). Small-scale traditional management of highly species-rich grasslands in the Carpathians. *Agriculture, Ecosystems & Environment*, 182, 123–130.
<http://doi.org/10.1016/j.agee.2013.08.018>
- Bigaran, F., Mazzola, A., & Stefani, A. (2013). Enhancing territorial capital for developing mountain areas: the example of Trentino and its use of medicinal and aromatic plants. *Acta Geographica Slovenica*, 53(2), 379–391. <http://doi.org/10.3986/AGS53403>
- Bocharnikow, V. (2011). traditional knowledge of indgenous peoples and its contribution to biodiversity conservation in Russia. In A. Laletin, J. A. Parrotta, & I. Domashov (Eds.), Traditional-forest related knowledge in Eastern Europe, Northern and Central Asia (pp. 13–20). Vienna, Austria: IUFRO World Series.
- Carvalho, A. M., & Frazão-Moreira, A. (2011). Importance of local knowledge in plant resources management and conservation in two protected areas from Trás-os-Montes, Portugal. *Journal of Ethnobiology and Ethnomedicine*, 7, 36. Retrieved from
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3285080/>&tool=pmcentrez&rendertype=abstract
- Christianell, A., Vogl-Lukasser, B., Vogl, C., & Gütler, M. (2010). The cultural significance of wild gathered plant species in Kartitsch (eastern Tyrol, Austria) and the influence of socio-economic changes on local gathering practices. In M. Pardo-de-Santayana, A. Pieroni, & R. K. Puri (Eds.), *Ethnobotany in the new Europe: people, health, and wild plant resources*. (pp. 51–75). New York, NY, USA:

- Berghahn Books.
- Davis, A., & Wagner, J. R. (2003). Who knows ? On the importance of identifying “ experts ” when researching local ecological knowledge. *Human Ecology*, 31(3), 463–489.
- Friedman, J., Yaniv, Z., Dafni, A., & Palewitch, D. (1986). A preliminary classification of the healing potential of medicinal plants, based on a rational analysis of an ethnopharmacological field survey among Bedouins in the Negev Desert, Israel. *Journal of Ethnopharmacology*, 16(2–3), 275–287.
[http://doi.org/10.1016/0378-8741\(86\)90094-2](http://doi.org/10.1016/0378-8741(86)90094-2)
- Gómez-Baggethun, E., Mingorría, S., Reyes-García, V., Calvet-Mir, L., & Montes, C. (2010). Traditional Ecological Knowledge Trends in the Transition to a Market Economy: Empirical Study in the Doñana Natural Areas. *Conservation Biology*, 24(3), 721–729. <http://doi.org/10.1111/j.1523-1739.2009.01401.x>
- Gómez-Baggethun, E., Reyes-García, V., Olsson, P., & Montes, C. (2012). Traditional ecological knowledge and community resilience to environmental extremes: A case study in Doñana, SW Spain. *Global Environmental Change*, 22(3), 640–650. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0959378012000246>
- Gorenflo, L. J., Romaine, S., Mittermeier, R. a., & Walker-Painemilla, K. (2012). Co-occurrence of linguistic and biological diversity in biodiversity hotspots and high biodiversity wilderness areas. *Proceedings of the National Academy of Sciences*, 109(21), 8032–8037.
<http://doi.org/10.1073/pnas.1117511109>
- Hadjichambis, A. C., Paraskeva-Hadjichambi, D., Della, A., Giusti, M. E., De Pasquale, C., Lenzarini, C., ... Pieroni, A. (2008). Wild and semi-domesticated food plant consumption in seven circum-Mediterranean areas. *International Journal of Food Sciences and Nutrition*, 59(5), 383–414.
<http://doi.org/10.1080/09637480701566495>
- Herrmann, T. M., Sandström, P., Granqvist, K., D'Astous, N., Vannar, J., Asselin, H., ... Cuciurean, R. (2014). Effects of mining on reindeer/caribou populations and indigenous livelihoods: community-based monitoring by Sami reindeer herders in Sweden and First Nations in Canada. *The Polar Journal*, 4(1), 28–51. <http://doi.org/10.1080/2154896X.2014.913917>
- Jarić, S., Popović, Z., Mačukanović-Jocić, M., Djurdjević, L., Mijatović, M., Karadžić, B., ... Pavlović, P. (2007). An ethnobotanical study on the usage of wild medicinal herbs from Kopaonik Mountain (Central Serbia). *Journal of Ethnopharmacology*, 111(1), 160–175.
<http://doi.org/10.1016/j.jep.2006.11.007>
- Johann, E. (2007). Traditional forest management under the influence of science and industry: The story of the alpine cultural landscapes. *Forest Ecology and Management*, 249(1–2), 54–62. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0378112707003647>
- Keenleyside, C., Beaufoy, G., Tucker, G., & Jones, G. (2014). High Nature Value farming throughout EU-27 and its financial support under the CAP. London.
- Kelemen, E., Megyesi, B., & Kalamász, I. N. (2008). Knowledge Dynamics and Sustainability in Rural Livelihood Strategies: Two Case Studies from Hungary. *Sociologia Ruralis*, 48(3), 257–273.
<http://doi.org/10.1111/j.1467-9523.2008.00467.x>
- Kizos, T., Plieninger, T., & Schaich, H. (2013). “Instead of 40 Sheep there are 400”: Traditional Grazing Practices and Landscape Change in Western Lesvos, Greece. *Landscape Research*, 38(4), 476–498. Retrieved from <http://www.tandfonline.com/doi/abs/10.1080/01426397.2013.783905>
- Kumar, D. Z. (2014). Figurative expressions in the slovenian linguistic atlas. *Dialectologia: Revista Electrònica*, 0(13), 107–119.
- La Mantia, T., Giaimi, G., Veca, D. S. L. M., & Pasta, S. (2007). The role of traditional *Erica arborea* L. management practices in maintaining northeastern Sicily's cultural landscape. *Forest Ecology and Management*, 249(1–2), 63–70. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0378112707004100>

- Lozej, Š. L. (2017). Dairying in the Mountain Pastures in the Julian Alps: Heritages, Utopias and Realities. *Studia Ethnologica Croatica*, 0(28).
- Łuczaj, Ł. (2010). Changes in the utilization of wild green vegetables in Poland since the 19th century: A comparison of four ethnobotanical surveys. *Journal of Ethnopharmacology*, 128(2), 395–404. <http://doi.org/10.1016/j.jep.2010.01.038>
- Łuczaj, Ł., & Szymański, W. M. (2007). Wild vascular plants gathered for consumption in the Polish countryside: a review. *Journal of Ethnobiology and Ethnomedicine*, 3(1), 17. Retrieved from <http://ethnobiomed.biomedcentral.com/articles/10.1186/1746-4269-3-17>
- Maffi, L. (2005). Linguistic, Cultural, and Biological Diversity. *Annual Review of Anthropology*, 34(1), 599–617. <http://doi.org/10.1146/annurev.anthro.34.081804.120437>
- Menendez-Baceta, G., Aceituno-Mata, L., Reyes-García, V., Tardío, J., Salpeteur, M., & Pardo-de-Santayana, M. (2015). The importance of cultural factors in the distribution of medicinal plant knowledge: A case study in four Basque regions. *Journal of Ethnopharmacology*, 161(October), 116–127. <http://doi.org/10.1016/j.jep.2014.12.007>
- Molnár, Z. (2014). Perception and Management of Spatio-Temporal Pasture Heterogeneity by Hungarian Herders. *Rangeland Ecology & Management*, 67(March), 107–118. <http://doi.org/10.2111/REM-D-13-00082.1>
- Molnar, Z., Safian, L., Mate, J., Barta, S., Suto, D. P., Molnar, A., & Varga, A. (2016). “It Does Matter Who Leans on the Stick”: Hungarian Herders’ Perspectives on Biodiversity, Ecosystem Services and their Drivers. In M. Roué & Z. Molnár (Eds.), *Indigenous and Local Knowledge of Biodiversity and Ecosystem Services in Europe and Central Asia* (pp. 42–56). Paris, France: UNESCO.
- Mustonen, T., Shadrin, V., Mustonen, K., & Vasiliev, V. (n.d.). “Songs of the Kolyma Tundra” – Co-Production and Perpetuation of Knowledge Concerning Ecology and Weather in the Indigenous Communities of Nizhnikolyma, Republic of Sakha (Yakutia), Russian Federation.
- Olsson, P., & Folke, C. (2001). Local Ecological Knowledge and Institutional Dynamics for Ecosystem Management: A Study of Lake Racken Watershed, Sweden. *Ecosystems*, 4(2), 85–104. Retrieved from <http://link.springer.com/10.1007/s100210000061>
- Papp, N., Birkás-Frendl, K., Bencsik, T., Stranczinger, S., & Czégényi, D. (2014). Survey of traditional beliefs in the Hungarian Csángó and Székely ethnomedicine in Transylvania, Romania. *Revista Brasileira de Farmacognosia*, 24(2), 141–152. <http://doi.org/10.1016/j.bjcp.2014.03.005>
- Parrotta, J. a., & Agnoletti, M. (2007). Traditional forest knowledge: Challenges and opportunities. *Forest Ecology and Management*. <http://doi.org/10.1016/j.foreco.2007.05.022>
- Pawera, L., Verner, V., Termote, C., Kandakov, A., & Karabaev, N. (2016). Medical ethnobotany of herbal practitioners in the Turkestan Range, southwestern Kyrgyzstan. <http://doi.org/10.5586/asbp.3483>
- Pieroni, A., Cianfaglione, K., Nedelcheva, A., Hajdari, A., Mustafa, B., & Quave, C. L. (2014). Resilience at the border: traditional botanical knowledge among Macedonians and Albanians living in Gollobordo, Eastern Albania. *Journal of Ethnobiology and Ethnomedicine*, 10(1), 31. <http://doi.org/10.1186/1746-4269-10-31>
- Pieroni, A., Giusti, M. E., & Quave, C. L. (2011). Cross-Cultural Ethnobiology in the Western Balkans: Medical Ethnobotany and Ethnozoology Among Albanians and Serbs in the Pešter Plateau, Sandžak, South-Western Serbia. *Human Ecology*, 39(3), 333–349. <http://doi.org/10.1007/s10745-011-9401-3>
- Pieroni, A., Nebel, S., Quave, C., Münz, H., & Heinrich, M. (2002). Ethnopharmacology of liakra: Traditional weedy vegetables of the Arbëreshë of the Vulture area in southern Italy. *Journal of Ethnopharmacology*, 81(2), 165–185. [http://doi.org/10.1016/S0378-8741\(02\)00052-1](http://doi.org/10.1016/S0378-8741(02)00052-1)
- Pieroni, A., Nebel, S., Santoro, R. F., & Heinrich, M. (2005). Food for two seasons: Culinary uses of non-cultivated local vegetables and mushrooms in a south Italian village. *International Journal of Food Sciences and Nutrition*, 56(4), 245–272. <http://doi.org/10.1080/09637480500146564>
- Pieroni, A., Nedelcheva, A., & Dogan, Y. (2015). Local knowledge of medicinal plants and wild food plants

- among Tatars and Romanians in Dobruja (South-East Romania). *Genetic Resources and Crop Evolution*, 62(4), 605–620. <http://doi.org/10.1007/s10722-014-0185-3>
- Pilgrim, S. E., Cullen, L. C., Smith, D. J., & Pretty, J. (2008). Ecological knowledge is lost in wealthier communities and countries. *Environmental Science & Technology*, 42(4), 1004–1009.
- Popović, Z., Smiljanić, M., Matić, R., Kostić, M., Nikić, P., & Bojović, S. (2012). Phytotherapeutic plants from the Deliblato Sands (Serbia): Traditional pharmacopoeia and implications for conservation. *Indian Journal of Traditional Knowledge*, 11(3), 385–400.
- Quave, C. L., & Pieroni, A. (2014). Fermented Foods for Food Security and Food Sovereignty in the Balkans: A Case Study of the Gorani People of Northeastern Albania. *Journal of Ethnobiology*, 34(1), 28–43. <http://doi.org/10.2993/0278-0771-34.1.28>
- Quave, C., & Pieroni, A. (2015). A reservoir of ethnobotanical knowledge informs resilient food security and health strategies in the Balkans. *Nature Plants*, 14021. <http://doi.org/DOI:10.1038/NPLANTS.2014.21>
- Rotherham, I. D. (2007). The implications of perceptions and cultural knowledge loss for the management of wooded landscapes: A UK case-study. *Forest Ecology and Management*, 249(1–2), 100–115. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0378112707004197>
- Sandström, P. (2015). A toolbox for Co-production of Knowledge and Improved Land Use Dialogues The Perspective of Reindeer Husbandry. Swedish University of Agricultural Sciences.
- Santos-Martín, F., Martín-López, B., García-Llorente, M., Aguado, M., Benayas, J., & Montes, C. (2013). Unraveling the Relationships between Ecosystems and Human Wellbeing in Spain. *PLoS ONE*, 8(9), e73249. <http://doi.org/10.1371/journal.pone.0073249>
- Silvertown, J. (2009). A new dawn for citizen science. *Trends in Ecology & Evolution*. <http://doi.org/10.1016/j.tree.2009.03.017>
- Skutnabb-Kangas, T. (2002). Why should Linguistic Diversity be maintained and supported in Europe? Some Arguments. G. Strasbourg.
- Tetik, F., Civelek, S., & Cakilcioglu, U. (2013). Traditional uses of some medicinal plants in Malatya (Turkey). *Journal of Ethnopharmacology*, 146(1), 331–346. <http://doi.org/10.1016/j.jep.2012.12.054>
- Ugulu, I. (2011). Traditional ethnobotanical knowledge about medicinal plants used for external therapies in Alasehir, Turkey. *International Journal of Medicinal and Aromatic Plants*, 1(22), 101–106.
- Varga, A., Heim, A., Laszlo, D., & Molnár, Z. (2016). Rangers bridge the gap: Integration of traditional ecological knowledge related to wood pastures into nature conservation. In M. Roué & Z. Molnár (Eds.), *Indigenous and Local Knowledge of Biodiversity and Ecosystem Services in Europe and Central Asia* (pp. 78–91). Paris, France: UNESCO.
- Varga, A., Molnár, Z., Biró, M., Demeter, L., Gellény, K., Miókovics, E., ... Babai, D. (2016). Agriculture , Ecosystems and Environment Changing year-round habitat use of extensively grazing cattle , sheep and pigs in East-Central Europe between 1940 and 2014 : Consequences for conservation and policy. “Agriculture, Ecosystems and Environment.” <http://doi.org/10.1016/j.agee.2016.05.018>
- Winter, S., Penker, M., & Kriechbaum, M. (2011). Integrating farmers’ knowledge on toxic plants and grassland management: a case study on *Colchicum autumnale* in Austria. *Biodiversity and Conservation*, 20(8), 1763–1787. Retrieved from <http://link.springer.com/10.1007/s10531-011-0060-x>
- Zlatković, B. K., Bogosavljević, S. S., Radivojević, A. R., & Pavlović, M. A. (2014). Traditional use of the native medicinal plant resource of Mt. Rtanj (Eastern Serbia): Ethnobotanical evaluation and comparison. *Journal of Ethnopharmacology*, 151(1), 704–713. <http://doi.org/10.1016/j.jep.2013.11.037>
- ZULJAN KUMAR, D. (2011). Odraz slovensko-furlanskega jezikovnega stika v leksiki pomenskih polj polje,

vrт in sadovnjak v govoru Medane. / The Reflection of Slovenian-Friulian Linguistic Contact in the Lexis of Semantic Fields Field, Garden and Orchard in the Local Speech of Meda. In M. JESENŠEK (Ed.), *zzivi sodobnega slovenskega slovaropisja*, (Mednarodna knjižna zbirka Zora, 75). Maribor: Mednarodna založba Oddelka za slovanske jezike in književnosti, Filozofska fakulteta (pp. 287–304).

2.2.3.2. Physical and psychological experiences

2.2.3.2.1. Recreational experiences

- Abbet, C., Mayor, R., Roguet, D., Spichiger, R., Hamburger, M., & Potterat, O. (2014). Ethnobotanical survey on wild alpine food plants in Lower and Central Valais (Switzerland). *Journal of Ethnopharmacology*, 151(1), 624–34. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0378874113008167>
- Agbenyega, O., Burgess, P. J., Cook, M., & Morris, J. (2009). Application of an ecosystem function framework to perceptions of community woodlands. *Land Use Policy*, 26(3), 551–557. <http://doi.org/10.1016/j.landusepol.2008.08.011>
- Anguelovski, I. (2013). Beyond a Livable and Green Neighborhood: Asserting Control, Sovereignty and Transgression in the Casc Antic of Barcelona. *International Journal of Urban and Regional Research*, 37(3), 1012–1034. <http://doi.org/10.1111/1468-2427.12054>
- AVCIOĞLU, B., BAKIR, B., BABAK, A., & KARADENİZ, N. (2015). Ecosystem Services at Forest Landscapes in Turkey and Their Management. In *International Congress on Landscape Ecology. Understanding Mediterranean Landscapes : Human vs . Nature* (p. 359).
- Barthel, S., Folke, C., & Colding, J. (2010). Social-ecological memory in urban gardens-Retaining the capacity for management of ecosystem services. *Global Environmental Change*, 20(2), 255–265. <http://doi.org/10.1016/j.gloenvcha.2010.01.001>
- Breuste, J. H. (2004). Decision making, planning and design for the conservation of indigenous vegetation within urban development. *Landscape and Urban Planning*, 68(4), 439–452. [http://doi.org/10.1016/S0169-2046\(03\)00150-6](http://doi.org/10.1016/S0169-2046(03)00150-6)
- Casado-Arzuaga, I., Madariaga, I., & Onaindia, M. (2013). Perception, demand and user contribution to ecosystem services inthe Bilbao Metropolitan Greenbelt. *Journal of Environmental Management*, 129, 33–43. <http://doi.org/10.1016/j.jenvman.2013.05.059>
- Church, A., Burgess, J., Ravenscroft, N., Bird, W., Blackstock, K., Brady, E., ... Winter, M. (2011). Cultural Services. *The UK National Ecosystem Assessment Technical Report. UK National Ecosystem Assessment.*, 633–692.
- Ciftcioglu, G. C. (2017a). Assessment of the relationship between ecosystem services and human wellbeing in the social-ecological landscapes of Lefke Region in North Cyprus. *Landscape Ecology*. <http://doi.org/10.1007/s10980-017-0494-y>
- Ciftcioglu, G. C. (2017b). Social preference-based valuation of the links between home gardens, ecosystem services, and human well-being in Lefke Region of North Cyprus. *Ecosystem Services*, 25, 227–236. <http://doi.org/10.1016/j.ecoser.2017.05.002>
- Cisneros-Montemayor, A. M., & Sumaila, U. R. (2010). A global estimate of benefits from ecosystem-based marine recreation: Potential impacts and implications for management. *Journal of Bioeconomics*, 12(3), 245–268. <http://doi.org/10.1007/s10818-010-9092-7>
- Cullinan, J. (2011). A Spatial Microsimulation Approach to Estimating the Total Number and Economic Value of Site Visits in Travel Cost Modelling. *Environmental and Resource Economics*, 50(1), 27–47. <http://doi.org/10.1007/s10640-011-9458-x>
- Czajkowski, M., Bartczak, A., Giergiczny, M., Navrud, S., & Zylicz, T. (2014). Providing preference-based

- support for forest ecosystem service management. *Forest Policy and Economics*, 39, 1–12.
<http://doi.org/10.1016/j.forpol.2013.11.002>
- Dogan, Y., Baslar, S., Ay, G., & Mert, H. (2004). THE USE OF WILD EDIBLE PLANTS IN WESTERN AND CENTRAL ANATOLIA (TURKEY). *Economic Botany*, 58(4), 626–638. [http://doi.org/10.1663/0013-0001\(2004\)058](http://doi.org/10.1663/0013-0001(2004)058)
- Haase, D., Schwarz, N., Strohbach, M., Kroll, F., & Seppelt, R. (2012). Synergies, Trade-offs, and Losses of Ecosystem Services in Urban Regions: an Integrated Multiscale Framework Applied to the Leipzig-Halle Region, Germany. *Ecology and Society*, 17(3), art22. <http://doi.org/10.5751/ES-04853-170322>
- Hansen, K., & Malmaeus, M. (2016). Ecosystem services in Swedish forests. *Scandinavian Journal of Forest Research*, 7581(July), 1–48. <http://doi.org/10.1080/02827581.2016.1164888>
- Hansen, R., Frantzeskaki, N., McPhearson, T., Rall, E., Kabisch, N., Kaczorowska, A., ... Pauleit, S. (2015). The uptake of the ecosystem services concept in planning discourses of European and American cities. *Ecosystem Services*, 12, 228–246. <http://doi.org/10.1016/j.ecoser.2014.11.013>
- Haugen, K. (2016). Contested Lands? Dissonance and Common Ground in Stakeholder Views on Forest Values. *Tijdschrift Voor Economische En Sociale Geografie*, 107(4), 421–434.
<http://doi.org/10.1111/tesg.12165>
- Hausner, V. H., Brown, G., & Lægreid, E. (2014). Effects of land tenure and protected areas on ecosystem services and land use preferences in Norway. *Land Use Policy*, 49, 446–461.
<http://doi.org/10.1016/j.landusepol.2015.08.018>
- Junker, B., & Buchecker, M. (2008). Aesthetic preferences versus ecological objectives in river restorations. *Landscape and Urban Planning*, 85(3–4), 141–154.
<http://doi.org/10.1016/j.landurbplan.2007.11.002>
- Kalle, R., & Sõukand, R. (2013). Wild plants eaten in childhood: a retrospective of Estonia in the 1970s-1990s. *Botanical Journal of the Linnean Society*, 172(2), 239–253. Retrieved from <http://doi.wiley.com/10.1111/boj.12051>
- Lautenbach, S., Kugel, C., Lausch, A., & Seppelt, R. (2011). Analysis of historic changes in regional ecosystem service provisioning using land use data. *Ecological Indicators*, 11(2), 676–687.
<http://doi.org/10.1016/j.ecolind.2010.09.007>
- Leonti, M., Nebel, S., Rivera, D., & Heinrich, M. (2006). WILD GATHERED FOOD PLANTS IN THE EUROPEAN MEDITERRANEAN: A COMPARATIVE ANALYSIS 1. *Economic Botany*, 60(9), 130–142.
- Niedziałkowski, K., Blicharska, M., Mikusiński, G., & Jedrzejewska, B. (2014). Why is it difficult to enlarge a protected area? Ecosystem services perspective on the conflict around the extension of the Białowieża National Park in Poland. *Land Use Policy*, 38, 314–329.
<http://doi.org/10.1016/j.landusepol.2013.12.002>
- Pieroni, A., & Price, L. L. (2006). *Eating and healing: traditional food as medicine*. *Eating and healing: traditional food as medicine*. Food Products Press.
- Rall, E., Bieling, C., Zytynska, S., & Haase, D. (2017). Exploring city-wide patterns of cultural ecosystem service perceptions and use. *Ecological Indicators*, 77, 80–95.
<http://doi.org/10.1016/j.ecolind.2017.02.001>
- Scarpa, R., Chilton, S. M., Hutchinson, W. G., & Buongiorno, J. (2000). Valuing the recreational benefits from the creation of nature reserves in Irish forests. *Ecological Economics*, 33(2), 237–250.
[http://doi.org/10.1016/S0921-8009\(99\)00143-3](http://doi.org/10.1016/S0921-8009(99)00143-3)
- Sievänen, T., Pouta, E., & Neuvonen, M. (2004). Participation in mushroom picking in Finland. *Social Roles of Forests for Urban Population, Forest Recreation, Landscapes, Nature Conservation, Economic Evaluation and Urban Forests*, 122–137.
- Tapsell, S., Tunstall, S., House, M., Whomsley, J., & Macnaghten, P. (2001). Growing up with rivers? Rivers in London children's worlds. *Area*, 33(2), 177–189. <http://doi.org/10.1111/1475-4762.00021>
- Tardío, J., Pascual, H., & Morales, R. (2005). Wild Food Plants Traditionally Used in the Province of

- Madrid, Central Spain. *Economic Botany*, 59(2), 122–136. Retrieved from [http://link.springer.com/10.1663/0013-0001\(2005\)059\[0122:WFPTUI\]2.0.CO;2](http://link.springer.com/10.1663/0013-0001(2005)059[0122:WFPTUI]2.0.CO;2)
- Tunstall, S., Tapsell, S., & House, M. (2004). Children's perceptions of river landscapes and play: what children's photographs reveal. *Landscape Research*, 29(2), 181–204.
<http://doi.org/10.1080/01426390410001690365>
- Upton, V., Ryan, M., O'Donoghue, C., & Dhubhain, A. N. (2015). Combining conventional and volunteered geographic information to identify and model forest recreational resources. *Applied Geography*, 60, 69–76. <http://doi.org/10.1016/j.apgeog.2015.03.007>
- Van den Berg, A. E., & Koole, S. L. (2006). New wilderness in the Netherlands: An investigation of visual preferences for nature development landscapes. *Landscape and Urban Planning*, 78(4), 362–372.
<http://doi.org/10.1016/j.landurbplan.2005.11.006>
- Van Den Berg, M., Wendel-Vos, W., Van Poppel, M., Kemper, H., Van Mechelen, W., & Maas, J. (2015). Health benefits of green spaces in the living environment: A systematic review of epidemiological studies. *Urban Forestry & Urban Greening*, 14(4), 806–816.
<http://doi.org/10.1016/j.ufug.2015.07.008>
- Winfield, I. J. (2016). Recreational fisheries in the UK: natural capital, ecosystem services, threats, and management. *Fisheries Science*, 82(2), 203–212. <http://doi.org/10.1007/s12562-016-0967-y>
- Yli-Pelkonen, V., & Niemelä, J. (2005). Linking ecological and social systems in cities: urban planning in Finland as a case. *Biodiversity and Conservation*, 14(8), 1947–1967. <http://doi.org/10.1007/s10531-004-2124-7>
- Ziv, G., Mullin, K., Boeuf, B., Fincham, W., Taylor, N., Villalobos-Jimenez, G., ... Beckmann, M. (2016). Water quality is a poor predictor of recreational hotspots in England. *PLoS ONE*, 11(11), 1–18.
<http://doi.org/10.1371/journal.pone.0166950>

2.2.3.2.2. Aesthetic experiences

- Abello, R. P., & Bernaldez, F. G. (1986). Landscape preference and personality. *Landscape and Urban Planning*, 13, 19–28. Retrieved from <http://www.sciencedirect.com/science/article/pii/0169204686900046>
- Acar, C., Kurdoglu, B. C., Kordoglu, O., & Acar, H. (2006). Public preferences for visual quality and management in the Kackar Mountains National Park (Turkey). *International Journal of Sustainable Development & World Ecology*, 13, 499–512.
- Acar, H., Eroglu, E., & Acar, C. (2013). Landscape values of rocky habitats in urban and semi-urban context of Turkey: A study of Tokat city Landscape values of rocky habitats in urban and semi-urban context of Turkey : A. *Journal of Food, Agriculture & Environment*, 11(2), 1200–1211.
- Arriaza, M., Cañas-Ortega, J. F., Cañas-Madueño, J. A., & Ruiz-Aviles, P. (2004). Assessing the visual quality of rural landscapes. *Landscape and Urban Planning*, 69(1), 115–125. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0169204603002469>
- Burton, R. J. F. (2012). Understanding Farmers' Aesthetic Preference for Tidy Agricultural Landscapes: A Bourdieusian Perspective. *Landscape Research*, 37(1), 51–71.
<http://doi.org/10.1080/01426397.2011.559311>
- Coeterier, J. F. (1996). Dominant attributes in the perception and evaluation of the Dutch landscape. *Landscape and Urban Planning*, 34(1), 27–44. [http://doi.org/10.1016/0169-2046\(95\)00204-9](http://doi.org/10.1016/0169-2046(95)00204-9)
- Dramstad, W. E., Fry, G., Fjellstad, W. J., Skar, B., Helliksen, W., Sollund, M.-L. B., ... Framstad, E. (2001). Integrating landscape-based values—Norwegian monitoring of agricultural landscapes. *Landscape and Urban Planning*, 57(3), 257–268. [http://doi.org/10.1016/S0169-2046\(01\)00208-0](http://doi.org/10.1016/S0169-2046(01)00208-0)
- Eriksson, L., Nordlund, A. M., Olsson, O., & Westin, K. (2012). Recreation in different forest settings: A scene preference study. *Forests*, 3(4), 923–943. <http://doi.org/10.3390/f3040923>

- Falk, J. H., & Balling, J. D. (2009). Evolutionary Influence on Human Landscape Preference. *Environment and Behavior*, 42(4), 479–493. Retrieved from <http://eab.sagepub.com/content/42/4/479.abstract>
- Gómez-Limón, J., & Fernández, J. V. de L. (1999). Changes in use and landscape preferences on the agricultural-livestock landscapes of the central Iberian Peninsula (Madrid, Spain). *Landscape and Urban Planning*, 44(4), 165–175. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0169204699000201>
- Grêt-Regamey, A., Rabe, S. E., Crespo, R., Lautenbach, S., Ryffel, A., & Schlup, B. (2014). On the importance of non-linear relationships between landscape patterns and the sustainable provision of ecosystem services. *Landscape Ecology*, 29(2), 201–212. <http://doi.org/10.1007/s10980-013-9957-y>
- Gundersen, V. S., & Frivold, L. H. (2008). Public preferences for forest structures: A review of quantitative surveys from Finland, Norway and Sweden. *Urban Forestry and Urban Greening*, 7(4), 241–258. <http://doi.org/10.1016/j.ufug.2008.05.001>
- Hagerhall, C. M. (2001). CONSENSUS IN LANDSCAPE PREFERENCE JUDGEMENTS. *Journal of Environmental Psychology*, 21(1), 83–92. <http://doi.org/10.1006/jenv.2000.0186>
- Hausner, V. H., Brown, G., & Lægreid, E. (2014). Effects of land tenure and protected areas on ecosystem services and land use preferences in Norway. *Land Use Policy*, 49, 446–461. <http://doi.org/10.1016/j.landusepol.2015.08.018>
- Hernandez, J., Garcia, L., Moran, J., Juan, A., & Ayuga, F. (2003). Estimating visual perception of rural landscapes using GIS : the influence of vegetation. *Food, Agriculture & Environment*, 1(January), 139–141.
- Hunziker, M. (1995). The spontaneous reafforestation in abandoned agricultural lands: perception and aesthetic assessment by locals and tourists. *Landscape and Urban Planning*, 31(1–3), 399–410. [http://doi.org/10.1016/0169-2046\(95\)93251-J](http://doi.org/10.1016/0169-2046(95)93251-J)
- Junge, X., Schüpbach, B., Walter, T., Schmid, B., & Lindemann-Matthies, P. (2015). Aesthetic quality of agricultural landscape elements in different seasonal stages in Switzerland. *Landscape and Urban Planning*, 133, 67–77. <http://doi.org/10.1016/j.landurbplan.2014.09.010>
- Junker, B., & Buchecker, M. (2008). Aesthetic preferences versus ecological objectives in river restorations. *Landscape and Urban Planning*, 85(3–4), 141–154. <http://doi.org/10.1016/j.landurbplan.2007.11.002>
- Korpela, K. (2001). Koettu terveys ja asuinalueen mieluisat ja epämieluisat ympäristöt. Teoksessa Melukylä vai mansikkapaikka? Asukkaiden ja asiantuntijoiden näkemyksiä asuinalueiden terveellisyystestistä. *Suomen Ympäristö*, 467, 123–134.
- Koschke, L., Fürst, C., Lorenz, M., Witt, A., Frank, S., & Makeschin, F. (2013). The integration of crop rotation and tillage practices in the assessment of ecosystem services provision at the regional scale. *Ecological Indicators*, 32, 157–171. <http://doi.org/10.1016/j.ecolind.2013.03.008>
- Lindemann-Matthies, P., Briegel, R., Schüpbach, B., & Junge, X. (2010). Aesthetic preference for a Swiss alpine landscape: The impact of different agricultural land-use with different biodiversity. *Landscape and Urban Planning*, 98(2), 99–109. <http://doi.org/10.1016/j.landurbplan.2010.07.015>
- Lindemann-Matthies, P., & Brieger, H. (2016). Does urban gardening increase aesthetic quality of urban areas? A case study from Germany. *Urban Forestry and Urban Greening*, 17, 33–41. <http://doi.org/10.1016/j.ufug.2016.03.010>
- Lopez-Santiago, C. A., Oteros-Rozas, E., Martin-Lopez, B., Plieninger, T., Martin, E. G., & Gonzalez, J. A. (2014). Using visual stimuli to explore the social perceptions of ecosystem services in cultural landscapes: The case of transhumance in Mediterranean Spain. *Ecology and Society*, 19(2). <http://doi.org/10.5751/ES-06401-190227>
- Misgav, A., & Amir, S. (2001). Integration of visual quality considerations in development of Israeli vegetation management policy. *Environmental Management*, 27(6), 845–57. Retrieved from

- <http://www.ncbi.nlm.nih.gov/pubmed/11393319>
- Nohl, W. (2001). Sustainable landscape use and aesthetic perception-preliminary reflections on future landscape aesthetics. *Landscape and Urban Planning*, 54(1–4), 223–237.
[http://doi.org/10.1016/S0169-2046\(01\)00138-4](http://doi.org/10.1016/S0169-2046(01)00138-4)
- Polat, A. T., & Akay, A. (2015). Relationships between the visual preferences of urban recreation area users and various landscape design elements. *Urban Forestry & Urban Greening*, 14, 573–582.
<http://doi.org/10.1016/j.ufug.2015.05.009>
- Purcell, A. T., Lamb, R. J., Mainardi Peron, E., & Falchero, S. (1994). Preference or preferences for landscape? *Journal of Environmental Psychology*, 14(3), 195–209. [http://doi.org/10.1016/S0272-4944\(94\)80056-1](http://doi.org/10.1016/S0272-4944(94)80056-1)
- R. Bruce Hull, David P. Robertson,. (2001). Public Understandings of Nature: A Case Study of Local Knowledge About "Natural" Forest Conditions. *Society & Natural Resources*, 14(4), 325–340. <http://doi.org/10.1080/08941920118871>
- Rall, E., Bieling, C., Ztytnska, S., & Haase, D. (2017). Exploring city-wide patterns of cultural ecosystem service perceptions and use. *Ecological Indicators*, 77, 80–95.
<http://doi.org/10.1016/j.ecolind.2017.02.001>
- Rechtman, O. (2012). Visual Perception of Agricultural Cultivated Landscapes: Key Components as Predictors for Landscape Preferences. *Landscape Research*, (February 2015), 1–22.
<http://doi.org/10.1080/01426397.2012.672639>
- Sayadi, S., González-Roa, M. C., & Calatrava-Requena, J. (2009). Public preferences for landscape features: The case of agricultural landscape in mountainous Mediterranean areas. *Land Use Policy*, 26(2), 334–344. <http://doi.org/10.1016/j.landusepol.2008.04.003>
- Scott, A. (2002). Assessing Public Perception of Landscape: The LANDMAP experience. *Landscape Research*, 27(3), 271–295. <http://doi.org/10.1080/01426390220149520>
- Smrekar, A., Polajnar Horvat, K., & Erhartc, B. (2016). The beauty of landforms. *Acta Geographica Slovenica*, 56(2), 321–335. <http://doi.org/10.3986/AGS.3039>
- Sowinska-Swiekosz, B., & Chmielewski, T. J. (2014). Comparative Assessment of Public Opinion on the Landscape Quality of Two Biosphere Reserves in Europe. *Environmental Management*, 54, 531–556. <http://doi.org/10.1007/s00267-014-0316-9>
- Steinwender, A., Gundacker, C., & Wittmann, K. J. (2008). Objective versus subjective assessments of environmental quality of standing and running waters in a large city. *Landscape and Urban Planning*, 84(2), 116–126. <http://doi.org/10.1016/j.landurbplan.2007.07.001>
- Surovy, P., Surova, D., & Pinto-correia, T. (2011). Integrating differentiated landscape preferences in a decision support model for the multifunctional management of the Montado, 225–237.
<http://doi.org/10.1007/s10457-011-9373-8>
- Ulrich, R. S., Simons, R. F., Losito, B. D., Fiorito, E., Miles, M. A., & Zelson, M. (1991). Stress recovery during exposure to natural and urban environments. *Journal of Environmental Psychology*, 11(3), 201–230. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0272494405801847>
- Urbanc, M. (2011). Perception of land among Slovenians in the context of landscape changes in Slovenian Istria [Istra]. *Mitteilungen Der Österreichischen Geographischen Gesellschaft*, (153), 199–220. <http://doi.org/10.1553/moegg153s199>
- Urbanc, M., & Juvan, M. (2012). At the Juncture of Literature and Geography: Literature As a Subject of Geographic Inquiry in the Case of Slovene Istria. *Slavistična Revija*, 60(3), 297–337.
- Van Berkel, D. B., & Verburg, P. H. (2014). Spatial quantification and valuation of cultural ecosystem services in an agricultural landscape. *Ecological Indicators*, 37(PART A), 163–174.
<http://doi.org/10.1016/j.ecolind.2012.06.025>
- Van den Berg, A. E., & Koole, S. L. (2006). New wilderness in the Netherlands: An investigation of visual preferences for nature development landscapes. *Landscape and Urban Planning*, 78(4), 362–372.

<http://doi.org/10.1016/j.landurbplan.2005.11.006>

2.3. Effects of trends in nature's contributions on quality of life in Europe and Central Asia

2.3.1. Contributions to food-energy-water security

2.3.1.3 Water security

- Abdolvand, B., Mez, L., Winter, K., Mirsaeedi-Gloßner, S., Schütt, B., Rost, K. T., & Bar, J. (2014). The dimension of water in Central Asia: security concerns and the long road of capacity building. *Environmental Earth Sciences*, 73(2), 897–912. <http://doi.org/10.1007/s12665-014-3579-9>
- Alexander, K., & West, J. (2012). Chapter 4: "Water" - Resource Efficiency in Asia and the Pacific. Bangkok.
- Animesh, K. G., Carlo, G., & Yoshihide, W. (2016). Measuring global water security towards sustainable development goals. *Environmental Research Letters*, 11(12), 124015. Retrieved from <http://stacks.iop.org/1748-9326/11/i=12/a=124015>
- Conrad, C., Kaiser, B. O., & Lamers, J. P. A. (2016). Quantifying water volumes of small lakes in the inner Aral Sea Basin, Central Asia, and their potential for reaching water and food security. *Environmental Earth Sciences*, 75(11). <http://doi.org/10.1007/s12665-016-5753-8>
- De Marchi, B., Funtowicz, S. O., Lo Cascio, S., & Munda, G. (2000). Combining participative and institutional approaches with multicriteria evaluation. An empirical study for water issues in Troina, Sicily. *Ecological Economics*, 34(2), 267–282. [http://doi.org/10.1016/S0921-8009\(00\)00162-2](http://doi.org/10.1016/S0921-8009(00)00162-2)
- EEA. (2011). Water exploitation index (WEI) — in late 1980s/early 1990s (WEI-90) compared to latest years available (1998 to 2007). Retrieved August 16, 2017, from <https://www.eea.europa.eu/data-and-maps/figures/water-exploitation-index-wei-4#tab-metadata>
- EEA. (2015). The European Environment — state and outlook 2015: synthesis report. Copenhagen: European Environment Agency. <http://doi.org/10.2800/944899>
- EEA. (2016a). Use of freshwater resources. Retrieved from <https://www.eea.europa.eu/data-and-maps/indicators/use-of-freshwater-resources-2/assessment-1>
- EEA. (2016b). Water Exploitation Index plus (WEI+) for summer and Urban Morphological Zones (UMZ). Retrieved from <https://www.eea.europa.eu/data-and-maps/figures/water-exploitation-index-plus-wei>
- Falloon, P., & Betts, R. (2010). Climate impacts on European agriculture and water management in the context of adaptation and mitigation-The importance of an integrated approach. *Science of the Total Environment*, 408(23), 5667–5687. <http://doi.org/10.1016/j.scitotenv.2009.05.002>
- FAO. (2013). Irrigation in Central Asia in figures. AQUASTAT Survey – 2012. Rome.
- FAO. (2016). AQUASTAT main database. AQUASTAT Main Database.
- FLERMONECA. (2015). The State of the Environment in Central Asia: Illustrations of Selected Environmental Themes and Indicators. Retrieved from <https://catalog.lib.uchicago.edu/vufind/Record/4284724>
- Harrison, I. J., Green, P. A., Farrell, T. A., Juffe-Bignoli, D., Sáenz, L., & Vörösmarty, C. J. (2016). Protected areas and freshwater provisioning: a global assessment of freshwater provision, threats and management strategies to support human water security. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 26(February), 103–120. <http://doi.org/10.1002/aqc.2652>
- Karabulut, A., Ego, B. N., Lanzanova, D., Grizzetti, B., Bidoglio, G., Pagliero, L., ... Mubareka, S. (2016). Mapping water provisioning services to support the ecosystem–water–food–energy nexus in the Danube river basin. *Ecosystem Services*, 17, 278–292.

- <http://doi.org/http://dx.doi.org/10.1016/j.ecoser.2015.08.002>
- Kummu, M., Guillaume, J. H. A., de Moel, H., Eisner, S., Flörke, M., Porkka, M., ... Ward, P. J. (2016). The world's road to water scarcity: shortage and stress in the 20th century and pathways towards sustainability. *Scientific Reports*, 6(November), 38495. <http://doi.org/10.1038/srep38495>
- Skoulikidis, N. T., Sabater, S., Datry, T., Morais, M. M., Buffagni, A., Dorflinger, G., ... Tockner, K. (2017). Non-perennial Mediterranean rivers in Europe: Status, pressures, and challenges for research and management. *Science of the Total Environment*, 577, 1–18.
<http://doi.org/10.1016/j.scitotenv.2016.10.147>
- UN-Water. (2011). Water quality. Policy Brief. Geneva.
- UNDP. (2008). Environmental profile of Uzbekistan based on indicators.
- UNEP/UNECE. (2016). GEO-6 Assessment for the pan-European region. Nairobi, Kenya.
- World Bank. (2016). Percentage of population with access to improved drinking water sources. Retrieved from <http://data.worldbank.org/indicator/SI.SAN.ACSD.ACSN.%0A>

2.3.1.4 Food-energy-water security nexus

- Abdolvand, B., Mez, L., Winter, K., Mirsaedi-Glossner, S., Schütt, B., Rost, K. T., & Bar, J. (2014). The dimension of water in Central Asia: security concerns and the long road of capacity building. *Environmental Earth Sciences*, 73(2), 897–912. <http://doi.org/10.1007/s12665-014-3579-9>
- Bekchanov, M., & Lamers, J. (2016). The Effect of Energy Constraints on Water Allocation Decisions: The Elaboration and Application of a System-Wide Economic-Water-Energy Model (SEWEM). *Water*, 8(6), 253. <http://doi.org/10.3390/w8060253>
- Börjesson, P., & Tufvesson, L. M. (2011). Agricultural crop-based biofuels - Resource efficiency and environmental performance including direct land use changes. *Journal of Cleaner Production*, 19(2–3), 108–120. <http://doi.org/10.1016/j.jclepro.2010.01.001>
- Gutzler, C., Helming, K., Balla, D., Dannowski, R., Deumlich, D., Glehnitz, M., ... Zander, P. (2015). Agricultural land use changes - A scenario-based sustainability impact assessment for Brandenburg, Germany. *Ecological Indicators*, 48, 505–517. <http://doi.org/10.1016/j.ecolind.2014.09.004>
- Hellmann, F., & Verburg, P. H. (2010). Impact assessment of the European biofuel directive on land use and biodiversity. *Journal of Environmental Management*, 91(6), 1389–1396.
<http://doi.org/10.1016/j.jenvman.2010.02.022>
- Vanham, D. (2016). Does the water footprint concept provide relevant information to address the water–food–energy–ecosystem nexus? *Ecosystem Services*, 17, 298–307.
<http://doi.org/10.1016/j.ecoser.2015.08.003>

2.3.4. Environmental equity and justice

2.3.4.2. Intra-generational distributive equity and justice

Human-wildlife conflicts

- Ambarli, H., & Bilgin, C. C. (2008). Human-brown bear conflicts in Artvin, northeastern Turkey: Encounters, damage, and attitudes. *Ursus*, 19(2), 146–153. <http://doi.org/10.2192/1537-6176-19.2.146>
- Baker, P. J., & Harris, S. (2006). Does culling reduce fox (*Vulpes vulpes*) density in commercial forests in Wales, UK? *European Journal of Wildlife Research*, 52(2), 99–108. <http://doi.org/10.1007/s10344-005-0018-y>
- Balčiauskas, L., & Kazlauskas, M. (2012). Acceptance of brown bears in Lithuania, a non-bear country. *Ursus*, 23(2), 168–178. <http://doi.org/10.2192/URSUS-D-12-00016.1>

- Beja, P., Gordinho, L., Reino, L., Loureiro, F., Santos-Reis, M., & Borralho, R. (2009). Predator abundance in relation to small game management in southern Portugal: Conservation implications. *European Journal of Wildlife Research*, 55(3), 227–238. <http://doi.org/10.1007/s10344-008-0236-1>
- Capitani, C., Chynoweth, M., Kusak, J., Çoban, E., & Sekercioğlu, Ç. H. (2016). Wolf diet in an agricultural landscape of north-eastern Turkey. *Mammalia*, 80(3), 329–334. <http://doi.org/10.1515/mammalia-2014-0151>
- Cinque, S. (2015). Collaborative management in wolf licensed hunting: the dilemmas of public managers in moving collaboration forward. *Wildlife Biology*, 21(3), 157–164.
<http://doi.org/10.2981/wlb.00098>
- Cohen, O., Barocas, A., & Geffen, E. (2013). Conflicting management policies for the Arabian wolf *Canis lupus arabs* in the Negev Desert: is this justified? *Oryx*, 47(2), 228–236.
<http://doi.org/10.1017/S0030605311001797>
- Cohen-Shacham, E., Dayan, T., Feitelson, E., & de Groot, R. S. (2011). Ecosystem service trade-offs in wetland management: drainage and rehabilitation of the Hula, Israel. *Hydrological Sciences Journal*, 56(8), 1582–1601. <http://doi.org/10.1080/02626667.2011.631013>
- Dalmasso, S., Vesco, U., Orlando, L., Tropini, A., & Passalacqua, C. (2012). An integrated program to prevent, mitigate and compensate Wolf (*Canis lupus*) damage in the Piedmont region (northern Italy). *Hystrix*, 23(1), 54–61. <http://doi.org/10.4404/hystrix-23.1-4560>
- Dondina, O., Meriggi, A., Dagradi, V., Perversi, M., & Milanesi, P. (2015). Wolf predation on livestock in an area of northern Italy and prediction of damage risk. *Ethology Ecology & Evolution*, 27(2), 200–219. <http://doi.org/10.1080/03949370.2014.916352>
- Donnelly, C. A., Woodroffe, R., Cox, D. R., Bourne, J., Gettinby, G., Le Fevre, A. M., ... Morrison, W. I. (2003). Impact of localized badger culling on tuberculosis incidence in British cattle. *Nature*, 426(December), 833–834. <http://doi.org/10.1038/nature02175.1>
- Dorresteijn, I., Hanspach, J., Kecskés, A., Latková, H., Mezey, Z., Sugár, S., ... Fischer, J. (2014). Human-carnivore coexistence in a traditional rural landscape. *Landscape Ecology*, 29(7), 1145–1155.
<http://doi.org/10.1007/s10980-014-0048-5>
- Dorresteijn, I., Milcu, A. I., Leventon, J., Hanspach, J., & Fischer, J. (2016). Social factors mediating human??carnivore coexistence: Understanding thematic strands influencing coexistence in Central Romania. *Ambio*, 45(4), 490–500. <http://doi.org/10.1007/s13280-015-0760-7>
- Dressel, S., Sandstr??m, C., & Ericsson, G. (2015). A meta-analysis of studies on attitudes toward bears and wolves across Europe 1976–2012. *Conservation Biology*, 29(2), 565–574.
<http://doi.org/10.1111/cobi.12420>
- Frank, J., Johansson, M., & Flykt, A. (2015). Public attitude towards the implementation of management actions aimed at reducing human fear of brown bears and wolves. *Wildlife Biology*, 21(3), 122–130.
<http://doi.org/10.2981/wlb.13116>
- GANGAAS, K. E., KALTENBORN, B. P., & ANDREASSEN, H. P. (2015). Environmental attitudes associated with large-scale cultural differences, not local environmental conflicts. *Environmental Conservation*, 42(01), 41–50. <http://doi.org/10.1017/S0376892914000125>
- Gervasi, V., Nilsen, E. B., Odden, J., Bouyer, Y., & Linnell, J. D. C. (2014). The spatio-temporal distribution of wild and domestic ungulates modulates lynx kill rates in a multi-use landscape. *Journal of Zoology*, 292(3), 175–183. <http://doi.org/10.1111/jzo.12088>
- Grêt-Regamey, A., Rabe, S. E., Crespo, R., Lautenbach, S., Ryffel, A., & Schlup, B. (2014). On the importance of non-linear relationships between landscape patterns and the sustainable provision of ecosystem services. *Landscape Ecology*, 29(2), 201–212. <http://doi.org/10.1007/s10980-013-9957-y>
- Gula, R. (2008). Wolf depredation on domestic animals in the Polish Carpathian Mountains. *Journal of Wildlife Management*, 72(1), 283–289. <http://doi.org/10.2193/2006-368>

- Heurich, M., Möst, L., Schauberger, G., Reulen, H., Sustr, P., & Hothorn, T. (2012). Survival and causes of death of European Roe Deer before and after Eurasian Lynx reintroduction in the Bavarian Forest National Park. *European Journal of Wildlife Research*, 58(3), 567–578.
<http://doi.org/10.1007/s10344-011-0606-y>
- Hiedanpää, J., Kalliolevo, H., Salo, M., Pellikka, J., & Luoma, M. (2016). Payments for Improved Ecostructure (PIE): Funding for the Coexistence of Humans and Wolves in Finland. *Environmental Management*, 58(3), 518–533. <http://doi.org/10.1007/s00267-016-0724-0>
- Huck, M., Davison, J., & Roper, T. J. (2008). Predicting European badger *Meles meles* sett distribution in urban environments. *Wildlife Biology*, 14(2), 188–198. [http://doi.org/10.2981/0909-6396\(2008\)14\[188:PEBMMS\]2.0.CO;2](http://doi.org/10.2981/0909-6396(2008)14[188:PEBMMS]2.0.CO;2)
- Johansson, M., & Karlsson, J. (2011). Subjective Experience of Fear and the Cognitive Interpretation of Large Carnivores. *Human Dimensions of Wildlife*, 16(1), 15–29.
<http://doi.org/10.1080/10871209.2011.535240>
- Kaartinen, S., Luoto, M., & Kojola, I. (2009). Carnivore-livestock conflicts: Determinants of wolf (*Canis lupus*) depredation on sheep farms in Finland. *Biodiversity and Conservation*, 18(13), 3503–3517. <http://doi.org/10.1007/s10531-009-9657-8>
- Kaczensky, P., Blazic, M., & Gossow, H. (2004). Public attitudes towards brown bears (*Ursus arctos*) in Slovenia. *Biological Conservation*, 118(5), 661–674. <http://doi.org/10.1016/j.biocon.2003.10.015>
- Karamanlidis, A. a., Sanopoulos, A., Georgiadis, L., & Zedrosser, A. (2011). Structural and economic aspects of human–bear conflicts in Greece. *Ursus*, 22(November), 141–151.
<http://doi.org/10.2192/URSUS-D-10-00016.1>
- Karlsson, J., & Johansson, Ö. (2010). Predictability of repeated carnivore attacks on livestock favours reactive use of mitigation measures. *Journal of Applied Ecology*, 47(1), 166–171.
<http://doi.org/10.1111/j.1365-2664.2009.01747.x>
- Kauhala, K., Talvitie, K., & Vuorisalo, T. (2016). Encounters between medium-sized carnivores and humans in the city of Turku, SW Finland, with special reference to the red fox. *Mammal Research*, 61(1), 25–33. <http://doi.org/10.1007/s13364-015-0250-0>
- Kavčič, I., Adami, M., Kaczensky, P., Krofel, M., & Jerina, K. (2013). Supplemental feeding with carrion is not reducing brown bear depredations on sheep in Slovenia. *Ursus*, 24(2), 111–119.
<http://doi.org/10.2192/URSUS-D-12-00031R1.1>
- Kavčič, I., Adamič, M., Kaczensky, P., Krofel, M., Kobal, M., & Jerina, K. (2015). Fast food bears: brown bear diet in a human-dominated landscape with intensive supplemental feeding. *Wildlife Biology*, 21(1), 1–8. <http://doi.org/http://dx.doi.org/10.2981/wlb.00013>
- Kawata, Y., Ozoliņš, J., & Andersone-Lilley, Z. (2008). An analysis of the game animal population data from Latvia. *Baltic Forestry*, 14(1), 75–86.
- Knott, E. J., Bunnefeld, N., Huber, D., Relji??, S., Kere??i, V., & Milner-Gulland, E. J. (2014). The potential impacts of changes in bear hunting policy for hunting organisations in Croatia. *European Journal of Wildlife Research*, 60(1), 85–97. <http://doi.org/10.1007/s10344-013-0754-3>
- Kojola, I., Kuittinen, J., Kojola, I., & Kuittinen, J. (2017). Wolf Attacks on Dogs in Finland. *Wolf attacks on dogs in Finland*, 30(2), 498–501.
- König, A., Janko, C., Barla-Szabo, B., Fahrenhold, D., Heibl, C., Perret, E., & Wermuth, S. (2012). Habitat model for baiting foxes in suburban areas to counteract *Echinococcus multilocularis*. *Wildlife Research*, 39(6), 488–495. <http://doi.org/10.1071/WR11077>
- Konig, A., & Romig, T. (2010). Fox tapeworm *Echinococcus multilocularis*, an underestimated threat: a model for estimating risk of contact. *Wildlife Biology*, 16(3), 258–266. <http://doi.org/10.2981/09-059>
- Lescureux, N., & Linnell, J. D. C. (2010). Knowledge and perceptions of Macedonian hunters and herders: The influence of species specific ecology of bears, wolves, and lynx. *Human Ecology*, 38(3), 389–

399. <http://doi.org/10.1007/s10745-010-9326-2>
- Lescureux, N., Linnell, J. D. C., Mustafa, S., Melovski, D., Stojanov, A., Ivanov, G., ... Breitenmoser, U. (2011). Fear of the unknown: local knowledge and perceptions of the Eurasian lynx *Lynx lynx* in western Macedonia. *Oryx*, 45(04), 600–607. <http://doi.org/10.1017/S0030605310001547>
- Linnell, J. D. C., Broseth, H., Odden, J., & Nilsen, E. B. (2010). Sustainably harvesting a large carnivore? Development of eurasian lynx populations in Norway during 160 years of shifting policy. *Environmental Management*, 45(5), 1142–1154. <http://doi.org/10.1007/s00267-010-9455-9>
- López-Bao, J. V., Mattisson, J., Persson, J., Aronsson, M., & Andrén, H. (2016). Tracking neighbours promotes the coexistence of large carnivores. *Scientific Reports*, 6(November 2015), 23198. <http://doi.org/10.1038/srep23198>
- Lüchtrath, A., Schraml, U., & Lüchtrath, A. (2015). The missing lynx — understanding hunters' opposition to large carnivores The missing lynx – understanding hunters' opposition to large carnivores. *Wildlife Biology*, 2(21), 110–119. <http://doi.org/10.2981/wlb.00068>
- Márquez, C., Vargas, J. M., Villafuerte, R., & Fa, J. E. (2013). Risk mapping of illegal poisoning of avian and mammalian predators. *Journal of Wildlife Management*, 77(1), 75–83. <http://doi.org/10.1002/jwmg.424>
- Mateo-Tomás, P., Olea, P. P., Sánchez-Barbudo, I. S., & Mateo, R. (2012). Alleviating human-wildlife conflicts: Identifying the causes and mapping the risk of illegal poisoning of wild fauna. *Journal of Applied Ecology*, 49(2), 376–385. <http://doi.org/10.1111/j.1365-2664.2012.02119.x>
- Meriggi, a., Dagradi, V., Dondina, O., Perversi, M., Milanesi, P., Lombardini, M., ... Repossi, a. (2014). Short-term responses of wolf feeding habits to changes of wild and domestic ungulate abundance in Northern Italy. *Ethology Ecology & Evolution*, 9370(April 2015), 1–23. <http://doi.org/10.1080/03949370.2014.986768>
- Ordiz, A., Støen, O. G., Sæbø, S., Sahlén, V., Pedersen, B. E., Kindberg, J., & Swenson, J. E. (2013). Lasting behavioural responses of brown bears to experimental encounters with humans. *Journal of Applied Ecology*, 50(2), 306–314. <http://doi.org/10.1111/1365-2664.12047>
- Peters, W., Hebblewhite, M., Cavedon, M., Pedrotti, L., Mustoni, A., Zibordi, F., ... Cagnacci, F. (2015). Resource selection and connectivity reveal conservation challenges for reintroduced brown bears in the Italian Alps. *Biological Conservation*, 186, 123–133. <http://doi.org/10.1016/j.biocon.2015.02.034>
- Piédallu, B., Quenette, P. Y., Mounet, C., Lescureux, N., Borelli-Massines, M., Dubarry, E., ... Gimenez, O. (2016). Spatial variation in public attitudes towards brown bears in the French Pyrenees. *Biological Conservation*, 197(May), 90–97. <http://doi.org/10.1016/j.biocon.2016.02.027>
- Pieroni, A., Nedelcheva, A., & Dogan, Y. (2015). Local knowledge of medicinal plants and wild food plants among Tatars and Romanians in Dobruja (South-East Romania). *Genetic Resources and Crop Evolution*, 62(4), 605–620. <http://doi.org/10.1007/s10722-014-0185-3>
- Pohja-Mykrä, M., & Kurki, S. (2014). Strong community support for illegal killing challenges wolf management. *European Journal of Wildlife Research*, 60(5), 759–770. <http://doi.org/10.1007/s10344-014-0845-9>
- Poole, W., Mckillop, G., Western, G., Hancock, J., & Packer, J. (2002). Effectiveness of an electric fence to reduce badger (*Meles meles*) damage to field crops. *Crop Protection*, 21, 409–417.
- Sidorovich, V. E., Tikhomirova, L. L., & Jedrzejewska, B. (2003). Wolf *Canis lupus* numbers, diet and damage to livestock in relation to hunting and ungulate abundance in northeastern Belarus during 1990–2000. *Wildlife Biology*, 9(2), 103–111.
- Sjölander-Lindqvist, A. (2015). Targeted removal of wolves: analysis of the motives for controlled hunting. *Wildlife Biology*, 21(3), 138–146. <http://doi.org/10.2981/wlb.00011>
- Stahl, P., Vandel, J. M., Herrenschmidt, V., & Migot, P. (2001). The effect of removing lynx in reducing attacks on sheep in the French Jura Mountains. *Biological Conservation*, 101(1), 15–22.

- [http://doi.org/10.1016/S0006-3207\(01\)00054-4](http://doi.org/10.1016/S0006-3207(01)00054-4)
- Tosi, G., Chirichella, R., Zibordi, F., Mustoni, A., Giovannini, R., Groff, C., ... Apollonio, M. (2015). Brown bear reintroduction in the Southern Alps: To what extent are expectations being met? *Journal for Nature Conservation*, 26, 9–19. <http://doi.org/10.1016/j.jnc.2015.03.007>
- Virgós, E., Lozano, J., Cabezas-Díaz, S., Macdonald, D. W., Zalewski, A., Atienza, J. C., ... Baker, S. E. (2016). A poor international standard for trap selectivity threatens carnivore conservation. *Biodiversity and Conservation*, 25(8), 1409–1419. <http://doi.org/10.1007/s10531-016-1117-7>
- Zyśk-Gorczyńska, E., Jakubiec, Z., Wertz, B., & Wuczyński, A. (2016). Long-term study of damage to trees by brown bears Ursus arctos in Poland: Increasing trends with insignificant effects on forest management. *Forest Ecology and Management*, 366, 53–64.
<http://doi.org/10.1016/j.foreco.2016.02.007>

2.3.5. Valuing nature's contributions to people

2.3.5.2. Non-market monetary values

- Aanesen, M., C. Armstrong, M. Czajkowski, J. Falk-Petersen, N. Hanley and S. Navrud, "Willingness to pay for unfamiliar public goods: Preserving cold-water coral in Norway", Journal, 2015-04-01
- Abildtrup, J., S. B. Olsen and A. Stenger, "Combining RP and SP Data while Accounting for Large Choice Sets and Travel Mode – An Application to Forest Recreation", Journal, 2014-12-01
- Abildtrup, J., S. Garcia and A. Stenger, "The effect of forest land use on the cost of drinking water supply: A spatial econometric analysis", Journal, 2013-08-01
- Alfranca, O., J. Garcia and H. Varela, "Economic Valuation of a Created Wetland Fed with Treated Wastewater Located in a Peri-urban Park in Catalonia, Spain", Journal, 2011-03-01
- Álvarez-Farizo, B., N. Hanley, R. Barberán and A. Lázaro, "Choice modeling at the “market stall”: Individual versus collective interest in environmental valuation", Journal, 2007-01-01
- Alves, B., R. Rigall-I-Torrent, R. Ballester, J. Benavente and O. Ferreira, "Coastal Erosion Perception and Willingness to Pay for Beach Management (Cadiz, Spain)", Journal, 2015-05-01
- Ami, D., F. Aprahamian, O. Chanel and S. Luchini, "A Test of Cheap Talk in Different Hypothetical Contexts: The Case of Air Pollution", Journal, 2009-01-01
- Andreopoulos, D., D. Damigos, F. Comiti and C. Fischer, "Estimating the Non-market Benefits of Climate Change Adaptation of River Ecosystem Services: A Choice Experiment Application in the Aoos Basin, Greece", Journal, 2015-01-01
- Andreopoulos, D., D. Damigos, F. Comiti and C. Fischer, "Monetizing the Impacts of Climate Change on River Uses Towards Effective Adaptation Strategies", Journal, 2016-01-01
- Ariza, E., R. Ballester, R. Rigall-I-Torrent, A. Saló, E. Roca, M. Villares, J. A. Jiménez and R. Sardá, "On the Relationship between Quality, Users' Perception and Economic Valuation in NW Mediterranean Beaches", Journal, 2012-04-01
- Arriaza, M., J. A. Gómez-Limón, Z. Kallas and O. Nekhay, "Demand for Non-Commodity Outputs from Mountain Olive Groves", Journal, 2008-01-01
- Atkins, J. P., D. Burbon and J. H. Allen, "An application of contingent valuation and decision tree

- analysis to water quality improvements", Journal, 2007-01-01
- Banfi, S., M. Filippini and A. Horehajova, "Using a Choice Experiment to Estimate the Benefits of a Reduction of Externalities in Urban Areas With Special Focus on Electromog", Journal, 2012-01-01
- Bartczak, A. and J. Meyerhoff, "Valuing the chances of survival of two distinct Eurasian lynx populations in Poland. Do people want to keep the doors open?", Journal, 2013-11-01
- Bartczak, A., "The role of social and environmental attitudes in non-market valuation. An application to the Bialowieza Forest", Journal, 2015-01-01
- Bartczak, A., H. Lindhjem, S. Navrud, M. Zanderson and T. Zylicz, "Valuing forest recreation on the national level in a transition economy: The case of Poland", Journal, 2008-06-01
- Barton, D. N., S. Navrud, H. Bjørkeslett and I. Lilleby, "Economic benefits of large-scale remediation of contaminated marine sediments—a literature review and an application to the Grenland fjords in Norway", Journal, 2010-01-01
- Batel, A., J. Basta and P. Mackelworth, "Valuing Visitor Willingness to Pay for Marine Conservation - The Case of the Proposed Cres-Losinj Marine Protected Area, Croatia", Journal, 2014-07-01
- Bateman, I. J., B. H. Day, A. P. Jones, and S. Jude, "Reducing Gain-Loss Asymmetry: A Virtual Reality Choice Experiment Valuing Land Use Change", Journal, 2009-07-01
- Bednar-Friedl, B., B. Gebetsroither and M. Getzner, "Willingness to Pay for Species Conservation Programs: Implications for National Park Funding", Journal, 2009-06-01
- Bernath, K. and A. Roschewitz, "Recreational Benefits Of Urban Forests: Explaining Visitors' Willingness To Pay In The Context Of The Theory Of Planned Behaviour", Journal, 2008-11-01
- Bernues, A., T. Rodriguez-Ortega, R. Ripoll-Bosch and F. Alfnes, "Socio-Cultural and Economic Valuation of Ecosystem Services Provided by Mediterranean Mountain Agroecosystems", Journal, 2014-07-01
- Bertram, C. and N. Larondelle, "Going to the Woods is Going Home: Recreational Benefits of a Larger Urban Forest Site - A Travel Cost Analysis for Berlin, Germany", Journal, 2017-02-01
- Bigerna, S. and P. Polinori, "Italian households' willingness to pay for green electricity", Journal, 2014-03-01
- Birol, E. and V. Cox, "Using Choice Experiments to Design Wetland Management Programmes: The Case of Severn Estuary Wetland, UK", Journal, 2007-01-01
- Black, J., E. J. Milner-Gulland, N. Sotherton and S. Mourato, "Valuing Complex Environmental Goods: Landscape and Biodiversity in the North Pennines", Journal, 2010-06-01
- Blayac, T., F. Hamadé and J. M. Salles, "Valuing the Recreational Services of a Marine and Terrestrial Natural Protected Area: A Travel Cost Analysis of Port-Cros National Park", Journal, 2015-01-01
- Bliem, M., M. Getzner and P. Rodiga-Laßnig, "Temporal stability of individual preferences for river restoration in Austria using a choice experiment", Journal, 2012-03-01
- Bliem, M., M. Getzner and P. Rodiga-Laßnig, "Temporal stability of individual preferences for river restoration in Austria using a choice experiment", Journal, 2012-03-01
- Boman, M., J. Norman and C. Kindstrand, "On the budget for national environmental objectives and

- willingness to pay for protection of forest land", Journal, 2008-01-01
- Boman, M., L. Mattsson, G. Ericsson and B. Kristrom, "Moose Hunting Values in Sweden Now and Two Decades Ago: The Swedish Hunters Revisited", Journal, 2011-04-01
- Bonnicksen, O. and S. B. Olsen, "Correcting For Non-response Bias in Contingent Valuation Surveys Concerning Environmental Non-market Goods: An Empirical Investigation Using an Online Panel", Journal, 2015-03-01
- Bonnieux, F. and A. Carpentier, "Préférence Pour Le Statu Quo Dans La Méthode Des Programmes : Illustration À Partir D'un Problème De Gestion Forestière", Journal, 2007-09-01
- Börger, T., C. Hattam, D. Burdon, J. P. Atkins and M. C. Austen, "Valuing Conservation Benefits of an Offshore Marine Protected Area", Journal, 2014-11-01
- Borger, T., T. L. Hooper and M. C. Austen, "Valuation of Ecological and Amenity Impacts Of An Offshore Wind Farm As a Factor In Marine Planning", Journal, 2015-12-01
- Bostedt, G. and T. Lundgren, "Accounting for cultural heritage — A theoretical and empirical exploration with focus on Swedish reindeer husbandry", Journal, 2010-01-01
- Botelho, A., L. MC. Pinto, L. Lourenço-Gomes, M. Valente and S. Sousa, "Social Sustainability of Renewable Energy Sources in Electricity Production: An Application of the Contingent Valuation Method", Journal, 2016-05-01
- Breeze, T. D., A. P. Bailey, S. G. Potts and K.G. Balcombe, "A Stated Preference Valuation of the Non-Market Benefits of Pollination Services in the UK", Journal, 2015-03-01
- Brennan, N. and T. M. Rensburg, "Wind Farm Externalities and Public Preference for a Community Consultation in Ireland: A Discrete Choice Experiments Approach.", Journal, 2016-05-01
- Brey, R., P. Riera and J. Mogas, "Estimation of Forest Values Using Choice Modeling: An Application to Spanish Forests", Journal, 2007-01-01
- Broberg, T. and R. Brannlund, "On the Value of Large Predators in Sweden: A Regional Stratified Contingent Valuation Analysis", Journal, 2008-09-01
- Broch, S. W., N. Strange, J. B. Jacobsen and K. A. Wilson, "Farmers' willingness to provide ecosystem services and effects of their spatial distribution", Journal, 2013-01-01
- Brouwer, R., J. Martin-Ortega and J. Berbel, "Spatial Preference Heterogeneity: A Choice Experiment", Journal, 2010-08-01
- Brouwer, R., M. Bliem, M. Getzner, S. Kerekes, S. Milton, T. Palarie, Z. Szerenyi, A. Vadineanu and A. Wagtendonk, "Valuation and Transferability of the Non-market Benefits of River Restoration in the Danube River Basin using a Choice Experiment", Journal, 2016-02-01
- Brouwer, R., P. van Beukering, and E. Sultanian, "The Impact of the Bird Flue on Public Willingness to Pay for the Protection of Migratory Birds", Journal, 2008-01-01
- Brouwer, R., S. Brouwer, M. A. Eleveld, M. Verbraak, A. J. Wagtendonk and H. J. van der Woerd, "Public willingness to pay for alternative management regimes of remote marine protected areas in the North Sea", Journal, 2016-03-01
- Brugarolas, M., L. Martinez-Carrasco, R. Bernabeu and A. Martinez-Poveda, "A Contingent Valuation Analysis to Determine Profitability of Establishing Local Organic Wine Markets in Spain", Journal,

2010-03-01

- Buckley, C., S. Hynes and S. Mechan, "Supply of an ecosystem service—Farmers' willingness to adopt riparian buffer zones in agricultural catchments", Journal, 2012-12-01
- Campbell, D., W. G. Hutchinson and R. Scarpa, "Incorporating Discontinuous Preferences into the Analysis of Discrete Choice Experiments", Journal, 2008-11-01
- Carlsson, F., M. Kataria and E. Lampi, "Dealing with Ignored Attributes in Choice Experiments on Valuation of Sweden's Environmental Quality Objectives", Journal, 2010-04-01
- Caula, S., G. T. Hvenegaard and P. Marty, "The influence of bird information, attitudes, and demographics on public preferences toward urban green spaces: The case of Montpellier, France", Journal, 2009-01-01
- Chae, D.-R., P. Wattage, and S. Pascoe, "Recreational Benefits from a Marine Protected Area: A Travel Cost Analysis of Lundy", Journal, 2012-01-01
- Chanel, O. and S. Luchini, "Monetary Values for Risk of Death from Air Pollution Exposure: a Context-dependent Scenario with a Control for Intra-familial Altruism", Journal, 2014-01-01
- Christie, M. and M. Rayment, "An Economic Assessment of the Ecosystem Service Benefits Derived from the SSSI Biodiversity Conservation Policy in England and Wales", Journal, 2012-07-01
- Clucas, B., S. Rabotyagov and J. M. Marzluff, "How Much is that Birdie in my Backyard? A Cross-continental Economic Valuation of Native Urban Songbirds", Journal, 2015-03-01
- Colombo, S., M. Christie and N. Hanley, "What are the Consequences of Ignoring Attributes in Choice Experiments? Implications for Ecosystem Service Valuation", Journal, 2013-10-00
- Couture, S. and A. Reynaud, "Forest management under fire risk when forest carbon sequestration has value", Journal, 2011-06-01
- Creel, M. and M. Farell, "Usage And Valuation Of Natural Parks In Catalonia, 2001-2002", Journal, 2008-01-01
- Curtis, J. and B. Stanley, "Water Quality and Recreational Angling Demand in Ireland", Journal, 2016-04-01
- Czajkowski, N., M. Buszko-Briggs, and N. Hanley, "Valuing Changes in Forest Biodiversity", Journal, 2009-10-01
- Dallimer, M., D. Tinch, N. Hanley, K. N. Irvine, J. R. Rouquette, P. H. Warren, L. Maltby, K. J. Gaston and P. R. Armsworth, "Quantifying Preferences for the Natural World Using Monetary and Nonmonetary Assessments of Value", Journal, 2014-02-01
- Del Saz-Salazar, S. and P. Raussell-Köster, "A Double-Hurdle Model of Urban Green Areas Valuation: Dealing with Zero Responses", Journal, 2008-03-01
- Del Saz-Salazar, S., F. Hernández-Sancho and R. Sala-Garrido, "The social benefits of restoring water quality in the context of the Water Framework Directive: A comparison of willingness to pay and willingness to accept", Journal, 2009-08-01
- Doctorman, L. E. and M. Boman, "Perceived Health State and Willingness to Pay for Outdoor Recreation: an Analysis of Forest Recreationists and Hunters.", Journal, 2016-02-01
- Doherty, E., G. Murphy, S. Hynes and C. Buckley, "Valuing Ecosystem Services across Water Bodies:

- Results from a Discrete Choice Experiment", Journal, 2013-01-01
- Dupont, D. P. and I. J. Bateman, "Political affiliation and willingness to pay: An examination of the nature of benefits and means of provision", Journal, 2012-01-01
- Durán, R., B. A. Farizo and M. X. Vázquez, "Conservation of Maritime Cultural Heritage: A Discrete Choice Experiment in a European Atlantic Region.", Journal, 2015-01-01
- Dyck, A. J. and U. R. Sumaila, "Economic Impact of Ocean Fish Populations in the Global Fishery", Journal, 2010-08-01
- Eggert, H. and B. Olsson, "Valuing Multi-Attribute Marine Water Quality", Journal, 2009-01-01
- Elsasser, P., H. Englert and J. Hamilton, "Landscape Benefits of a Forest Conversion Programme in North East Germany: Results of a Choice Experiment", Journal, 2010-03-01
- Ericsson, G., J. Kindberg and G. Bostedt, "Willingness to Pay (WTP) for Wolverine Gulo Gulo Conservation", Journal, 2007-01-01
- Fezzi, C., I. J. Bateman and S. Ferrini, "Using revealed preferences to estimate the Value of Travel Time to recreation sites", Journal, 2014-01-01
- Fuzyova, L., D. Lanikova and M. Novorolsky, "Economic Valuation of Tatras National Park and Regional Environmental Policy", Journal, 2009-01-01
- Gadaud, J. and M. Ramponilaza, "Amenity Values and Payment Schemes for Free Recreation Services from Non-Industrial Private Forest Properties: A French Case Study", Journal, 2010-12-01
- Garcia-de la Fuente, L., A. Colina, A. Colubi and G. Gonzalez-Rodriguez, "Valuation of Environmental Resources: The Case of the Brown Bear in the North of Spain", Journal, 2009-03-01
- García-Mainar, I., V. M. Montuenga and M. Navarro-Paniagua, "Workplace Environmental Conditions and Life Satisfaction in Spain", Journal, 2015-11-01
- Garcia, S., P. Harou, C. Montagné, and A. Stenger, "Models For Sample Selection Bias In Contingent Valuation: Application To Forest Biodiversity", Journal, 2009-01-01
- Genius, M., E. Hatzaki, E. M. Kouroumelaki, G. Kouvakis, S. Nikiforaki and K. P. Tsagarakis, "Evaluating Consumers' Willingness to pay for Improved Potable Water Quality and Quantity", Journal, 2008-12-01
- Getzner, M., "The Regional Context of Infrastructure Policy and Environmental Valuation: The Importance of Stakeholders' Opinions", Journal, 2012-08-01
- Glenk, K. and S. Colombo, "Designing Policies to Mitigate the Agricultural Contribution to Climate Change: An Assessment of Soil Based Carbon Sequestration and its Ancillary Effects", Journal, 2011-06-01
- Glenk, K. and S. Colombo, "How Sure Can You Be? A Framework for Considering Delivery Uncertainty in Benefit Assessments Based on Stated Preference Methods", Journal, 2011-02-01
- Glenk, K. and S. Colombo, "Modelling Outcome-Related Risk in Choice Experiments", Journal, 2014-01-01
- Glenk, K., M. Lago and D. Moran, "Public Preferences for Water Quality Improvements: Implications for the Implementation of the EC Water Framework Directive in Scotland", Journal, 2011-06-01
- Grammatikopoulou, I. and S. B. Olsen, "Accounting Protesting and Warm Glow Bidding in Contingent

- Valuation Surveys Considering the Management of Environmental Goods - An Empirical Case Study Assessing the Value of Protecting a Natura 2000 Wetland Area in Greece", Journal, 2013-10-01
- Grazhdani, D., "Contingent Valuation of Residents' Attitudes and Willingness-to-Pay for Non-point Source Pollution Control: A Case Study in AL-Prespa, Southeastern Albania", Journal, 2015-07-01
- Guimaraes, M. H E., A. Mascarenhas, C. Sousa, T. Boski and T. P. Dentinho, "The Impact of Water Quality Changes on the Socio-Economic System of the Guadiana Estuary: An Assessment of Management Options", Journal, 2012-01-01
- Hakansson, C., "A New Valuation Question: Analysis of and Insights from Interval Open-Ended Data in Contingent Valuation", Journal, 2008-02-01
- Halkos, G. and S. Matsiori, "Determinants of willingness to pay for coastal zone quality improvement", Journal, 2012-08-01
- Halkos, G. and S. Matsiori, "Exploring Social Attitude and Willingness to Pay for Water Resources Conservation", Journal, 2014-04-01
- Halkos, G. E. and N. Jones, "Modeling the Effect of Social Factors on Improving Biodiversity Protection", Journal, 2012-04-01
- Hanemann, M., X. Labandeira and M. L. Loureiro, "Climate Change, Energy and Social Preferences on Policies: Exploratory Evidence for Spain", Journal, 2011-08-01
- Hanley, N., M. Czajkowski, R. Hanley-Nickolls and S. Redpath, "Economic Values of Species Management Options in Human-Wildlife Conflicts: Hen Harriers in Scotland", Journal, 2010-11-01
- Häyhä, T., P. P. Franzese, A. Paletto and B. D. Fath, "Assessing, valuing, and mapping ecosystem services in Alpine forests", Journal, 2015-08-01
- Howley, P., S. Hynes and C. O'Donoghue, "The Citizen versus Consumer Distinction: An Exploration of Individuals' Preferences in Contingent Valuation Studies", Journal, 2010-05-01
- Hoyos, D., P. Mariel and J. Fernández-Macho, "The influence of cultural identity on the WTP to protect natural resources: Some empirical evidence", Journal, 2009-01-01
- Hoyos, D., P. Mariel, U. Pascual and I. Etxano, "Valuing a Natura 2000 Network Site to Inform Land Use Options Using a Discrete Choice Experiment: An Illustration From the Basque Country", Journal, 2012-12-01
- Hunter, P. D., N. Hanley, M. Czajkowski, K. Mearns, A. N. Tyler, L. Carvalho and G. A. Codd, "The Effect of Risk Perception on Public Preferences and Willingness to Pay for Reductions in the Health Risks Posed by Toxic Cyanobacterial Blooms", Journal, 2012-04-01
- Hynes, S. and N. Hanley, "The Crex Crex Lament: Estimating Landowners Willingness to Pay for Corncrake Conservation on Irish Farmland", Journal, 2009-01-01
- Hynes, S., D. Tinch and N. Hanley, "Valuing Improvements to Coastal Waters Using Choice Experiments: An Application to Revisions of the EU Bathing Waters Directive", Journal, 2013-07-01
- Istamto, T., D. Houthuijs and E. Lebret, "Willingness to Pay to Avoid Health Risks From Road-Traffic-Related Air Pollution and Noise Across Five Countries", Journal, 2014-11-01
- Jacobsen, J. B. and B. J. Thorsen, "Preferences for site and environmental functions when selecting

- forthcoming national parks", Journal, 2010-10-01
- Jacobsen, J. B., T. H. Lundhede and B. J. Thorsen, "The effects of current income and expected change in future income on stated preferences for environmental improvements", Journal, 2013-01-01
- Jacobsen, J. B., T. H. Lundhede and B. J. Thorsen, "Valuation of wildlife populations above survival", Journal, 2012-01-01
- Jacobsen, J. B., T. H. Lundhede, L. Martinsen, B. Hasler and B. J. Thorsen, "Embedding effects in choice experiment valuations of environmental preservation projects", Journal, 2011-01-01
- Jobstvogt, N., N. Hanley, S. Hynes, J. Kenter and U. Witte, "Twenty thousand sterling under the sea: Estimating the value of protecting deep-sea biodiversity", Journal, 2014-01-01
- Jobstvogt, N., V. Watson and J. O. Kenter, "Looking Below the Surface: The Cultural Ecosystem Service Values of UK Marine Protected Areas (MPAs)", Journal, 2014-10-01
- Jones, N., C. M. Sophoulis and C. Malesios, "Economic Valuation of Coastal Water Quality and Protest Responses: A Case Study in Mitilini, Greece", Journal, 2008-12-01
- Jones, N., K. Panagiotidou, I. Spilanis, K. I. Evangelinos and P. G. Dimitrakopoulos, "Visitors' Perceptions on the Management of an Important Nesting Site for Loggerhead Sea Turtle (*Caretta caretta* L.): The Case of Rethymno Coastal Area in Greece", Journal, 2011-05-01
- Juarez, A. S. and R. B. Cañete, "Valuation of the Recreational Use of the Calares del Mundo and Sima Natural Park through the Travel Cost Method", Journal, 2013-01-01
- Kataria, M., "Willingness to pay for environmental improvements in hydropower regulated rivers", Journal, 2009-01-01
- Klinglmair, A., M. G. Blie and R. Brouwer, "Exploring the Public Value of Increased Hydropower Use: a Choice Experiment Study for Austria.", Journal, 2015-03-01
- Kontogianni, A., C. Tourkolias, A. Machleras and M. Skourtos, "Service Providing Units, Existence Values and the Valuation of Endangered Species: A Methodological Test", Journal, 2012-07-01
- Kosenius, A., "Heterogeneous Preferences for Water Quality Attributes: The Case of Eutrophication in the Gulf of Finland, the Baltic Sea", Journal, 2010-01-01
- Koundouri, P., E. Kougea, M. Stithou, P. Ala-aho, R. Eskelinen, T. P. Karjalainen, B. Kloke, M. Pulido-Velazquez, K. Reinikainen and P. Matias Rossi, "The value of Scientific Information on Climate Change: a Choice Experiment on Rokua Esker, Finland", Journal, 2012-03-01
- Kountouris, Y. and K. Remoundou, "Valuing the Welfare Cost of Forest Fires: a Life Satisfaction Approach", Journal, 2011-11-01
- Lankia, T., L. Koppenoisten, E. Pouta and M. Neuvonen, "Valuing Recreational Ecosystem Service Flow In Finland", Journal, 2015-04-01
- LaRiviere, J., M. Czajkowski, N. Hanley, M. Aanesen, J. Falk-Petersen and D. Tinch, "The Value of Familiarity: Effects of Knowledge and Objective Signals on Willingness to Pay for a Public Good", Journal, 2014-09-01
- Latinopoulos, D., Z. Mallios and P. Latinopoulos, "Valuing the Benefits of an Urban Park Project: A Contingent Valuation Study in Thessaloniki, Greece", Journal, 2016-03-01
- Lehtoranta, V., E. Seppälä and A. Kosenius, "Willingness to Pay for Water Level Regulation in Lake

- Pielinen, Finland", Journal, 2013-02-01
- León, C. J. and J. E. Araña, "The Dynamics of Preference Elicitation after an Environmental Disaster: Stability and Emotional Load", Journal, 2012-05-01
- León, C. J., J. E. Araña, W. M. Hanemann and P. Riera, "Heterogeneity and Emotions in the Valuation of Non-Use Damages Caused by Oil Spills", Journal, 2014-01-01
- Leon, C. J., J.E. Arana, M. Gonzalez and J. De Leon, "Tourists' Evaluation Of Climate Change Risks In The Canary Islands: A Heterogeneous Response Modelling Approach", Journal, 2014-07-01
- Liebe, U., J. Meyerhoff and V. Hartje, "Test–Retest Reliability of Choice Experiments in Environmental Valuation", Journal, 2012-06-01
- Liebe, U., P. Preisendorfer and J. Meyerhoff, "To Pay or Not To Pay: Competing Theories to Explain Individuals' Willingness To Pay for Public Environmental Goods", Journal, 2011-01-01
- Lienhoop, N. and F. Messner, "The Economic Value of Allocating Water to Post-Mining Lakes in East Germany", Journal, 2009-03-01
- Lienhoop, N. and R. Brouwer, "Agri-Environmental Policy Valuation: Farmers' Contract Design Preferences for Afforestation Schemes", Journal, 2015-01-01
- Lindhjem, H. and S. Navrud, "Are Internet surveys an alternative to face-to-face interviews in contingent valuation?", Journal, 2011-07-01
- Lizinski, T., A. Wróblewska and K. Rauba, "Application of CVM Method in the Evaluation of Flood Control and Water and Sewage Management Projects", Journal, 2015-02-01
- Logar, I., R. Brouwer, M. Maurer and C. Ort, "Cost-Benefit Analysis of the Swiss National Policy on Reducing Micropollutants in Treated Waste Water", Journal, 2014-09-01
- Longo, A.,D. Hoyos, and A. Markandya, "Sequence Effects in the Valuation of Multiple Environmental Programs Using the Contingent Valuation Method", Journal, 2015-02-01
- Lopez-Mosquera, N. and M. Sanchez, "The Influence of Personal Values in the Economic-Use Valuation of Peri-urban Green Spaces: An Application of the Means-End Chain Theory", Journal, 2011-08-01
- Loureiro, M. L. and E. Ojea, "Valuing Local Endangered Species: The Role of Intra-Species Substitutes", Journal, 2008-05-01
- Loureiro, M. L. and J. B. Loomis, "International Public Preferences and Provision of Public Goods: Assessment of Passive Use Values in Large Oil Spills", Journal, 2013-12-01
- Lourenço-Gomes, L., L. M. Costa Pinto and J. F. Rebelo, "Visitors' Preferences for Preserving the Attributes of a World Heritage Site", Journal, 2014-01-01
- Luisetti, T., E. L. Jackson and R. K. Turner, "Valuing the European Coastal Blue Carbon Storage Benefit", Journal, 2013-01-01
- Luisetti, T., R. K. Turner, I. J. Bateman, S. Morse-Jones, C. Adams and L. Fronseca, "Coastal and Marine Ecosystem Services Valuation for Policy and Management: Managed Realignment Case Studies in England", Journal, 2011-03-01
- Lundhede, T., T. Bille and B. Hasler, "Exploring preferences and non-use values for hidden archaeological artefacts: a case from Denmark", Journal, 2013-01-01
- Mahieu, P-A., P. Riera and M. Giergiczny, "Determinants of willingness-to-pay for water pollution

- abatement: A point and interval data payment card application", Journal, 2012-10-01
- Marangon, V. and F. Visintin, "Rural Landscape Valuation in a Cross-Border Region", Journal, 2007-01-01
- Markantonis, V., V. Meyer and N. Lienhoop, "Evaluation of the Environmental Impacts of Extreme Floods in the Evros River Basin using Contingent Valuation Method", Journal, 2013-06-01
- Marta-Pedroso, C., H. Frietas and T. Domingos, "Testing for the Survey Mode Effect on Contingent Valuation Data Quality: a Case Study of Web Based versus In-Person Interviews", Journal, 2007-03-01
- Martin-Collado, D., C. Diaz, A. G. Drucker, M. J. Carabano and K. K. Zander, "Determination of Non-market Values to Inform Conservation Strategies for the Threatened Alistana–Sanabresa Cattle Breed", Journal, 2014-08-01
- Martin-Lopez B., C. Montes and J. Benayas, "Influence of User Characteristics on Valuation of Ecosystem Services in Donana Natural Protected Area (south-west Spain)", Journal, 2007-09-01
- Martin-Lopez, B., C. Montes and J. Benayas, "The Non-Economic Motives Behind The Willingness To Pay For Biodiversity Conservation", Journal, 2007-09-01
- Martin-Lopez, B., M. Garcia-Llorente, I. Palomo and C. Montes, "The Conservation against Development Paradigm in Protected Areas: Valuation of Ecosystem Services in the Doña ana Social-Ecological System (southwestern Spain)", Journal, 2011-06-01
- Martin-Ortega, M., "Using Multi-Criteria Analysis to Explore Non-Market Monetary Values of Water Quality Changes in the Context of the Water Framework Directive", Journal, 2010-09-01
- Martínez de Aragón, J., P. Riera, M. Giergiczny and C. Colinas, "Value of wild mushroom picking as an environmental service", Journal, 2011-06-01
- Martinez-Paz, J. M. and A. Perni, "Environmental Cost of Groundwater: A Contingent Valuation Approach", Journal, 2011-06-01
- Marzetti, S., M. Disegna, E. Koutrakis, A. Sapounidis, V. Marin, S. Martino, S. Roussel, H. Rey-Valette and C. Paoli, "Visitors' Awareness of ICZM and WTP for Beach Preservation in Four European Mediterranean Regions", Journal, 2016-01-01
- Marzetti, S., M. Disegna, G. Villani and M. Speranza, "Conservation and Recreational Values from Semi-Natural Grasslands for Visitors to Two Italian Parks", Journal, 2011-03-01
- Matero, J. and O. Saastamoinen, "In Search of Marginal Environmental Valuations - Ecosystem Services in Finnish Forest Accounting", Journal, 2007-01-01
- McVittie, A. and D. Moran, "Valuing the non-use benefits of marine conservation zones: An application to the UK Marine Bill", Journal, 2010-10-01
- Mell, I. C., J. Henneberry, S. Hehl-Lange and B. Keskin, "Promoting Urban Greening: Valuing the Development of Green Infrastructure Investments in the Urban Core of Manchester, UK", Journal, 2013-06-01
- Meyer, R. and U. Liebe, "Are the Affluent Prepared to Pay for the Planet ? Explaining Willingness to Pay for Public and Quasi-Private Environmental Goods in Switzerland", Journal, 2010-09-01
- Meyerhoff, J. and U. Liebe, "Do Protest Responses to a Contingent Valuation Question and a Choice Experiment Differ", Journal, 2007-07-01

- Meyerhoff, J., A. Dehnhardt and V. Hartje, "Take your swimsuit along: the value of improving urban bathing sites in the metropolitan area of Berlin", Journal, 2010-01-01
- Meyerhoff, J., U. Liebe and V. Hartje, "Benefits of biodiversity enhancement of nature-oriented silviculture: Evidence from two choice experiments in Germany", Journal, 2009-01-01
- Mill, G.A., T.M. van Rensburg, S. Hynes and C. Dooley, "Preferences for Multiple Use Forest Management in Ireland: Citizen and Consumer Perspectives", Journal, 2007-01-01
- Mogas, J., P. Riera and R. Brey, "Combining Contingent Valuation and Choice Experiments. A Forestry Application in Spain", Journal, 2009-08-01
- Monarchova, J. and M. Gudas, "Contingent Valuation Approach for Estimating the Benefits of Water Quality Improvement in the Baltic States", Journal, 2009-03-01
- Moran, D., A. McVittie, D. J. Allcroft and D. A. Elston, "Quantifying Public Preferences for Agri-Environmental Policy in Scotland: A Comparison of Methods", Journal, 2007-06-01
- Murillas-Maza, A., J. Virto, M. C. Gallastegui, P. González and J. Fernández-Macho, "The Value of Open Ocean Ecosystems: A Case Study for the Spanish Exclusive Economic Zone", Journal, 2011-05-01
- Napolitano, F., A. Braghieri, E. Piasentier, S. Favotto, S. Naspetti and R. Zanoli, "Effect of Information about Organic Production on Beef Liking and Consumer Willingness to Pay", Journal, 2010-03-01
- Navrud, S. and K. Grønvik Bråten, "Consumers' Preferences for Green and Brown Electricity: a Choice Modelling Approach", Journal, 2007-09-01
- Navrud, S., "Economic Valuation of Transportation Noise in Europe", Journal, 2010-07-01
- Nicita, L., G. Signorello and M. De Salvo, "Applying the Kuhn-Tucker Model to Estimate the Value of Recreational Ecosystem Services in Sicily", Journal, 2015-08-01
- Nielsen, J. S., "Use of the Internet for willingness-to-pay surveys. A comparison of face-to-face and web-based interviews.", Journal, 2011-01-01
- Noring, M., C. Håkansson and E. Dahlgren, "Valuation of Ecotoxicological Impacts From Tributyltin Based on a Quantitative Environmental Assessment Framework", Journal, 2016-02-01
- Notaro, S. and M. De Salvo, "Estimating the Economic Benefits of the Landscape Function of Ornamental Trees in a Sub-Mediterranean Area", Journal, 2010-01-01
- Nunes, P. A. L. D., S. Silvestri, M. Pellizzato and V. Boatto, "Regulation of the Fishing Activities in the Lagoon of Venice, Italy: Results from a Socio-Economic Study", Journal, 2008-10-01
- Nunes, P. A., A. T. de Blaeij, and J.C. van den Bergh, "Decomposition of Warm Glow for Multiple Stakeholders: Stated Choice Valuation of Shellfishery Policy", Journal, 2009-08-01
- O'Neill, S. and L. P. Yadav, "Willingness To Pay Towards A Public Good: How Does A Refund Option Affect Stated Values?", Journal, 2016-01-01
- Ojea E. and M. L. Loureiro, "Altruistic, Egoistic and Biospheric Values in Willingness to Pay (WTP) for Wildlife", Journal, 2007-01-01
- Ojea, E. and M. L. Loureiro, "Valuation of Wildlife: Revising some Additional Considerations for Scope Tests", Journal, 2009-04-01
- Ojea, E. and M. L. Loureiro, "Valuing the recovery of overexploited fish stocks in the context of existence and options value", Journal, 2010-05-01

- Olschewski, R., P. Bebi, M. Teich, U. W. Hayek and A. Grêt-Regamey, "Avalanche Protection By Forests — A Choice Experiment In The Swiss Alps", Journal, 2012-02-01
- Olsen, S. B., "Choosing Between Internet and Mail Survey Modes for Choice Experiment Surveys Considering Non-Market Goods", Journal, 2009-06-01
- Olsen, S. B., T. H. Lundhede, J. B. Jacobsen and B. J. Thorsen, "Tough and Easy Choices: Testing the Influence of Utility Difference on Stated Certainty-in-Choice in Choice Experiments", Journal, 2011-01-01
- Pajot, G., "Rewarding carbon sequestration in South-Western French forests: A costly operation?", Journal, 2011-12-01
- Perni, A., F. Martinez-Carrasco and J. M. Martinez-Paz, "Economic Valuation of Coastal Lagoon Environmental Restoration: Mar Menor (SE Spain)", Journal, 2011-12-01
- Perni, A., J. Martinez-Paz and F. Martinez-Carrasco, "Social Preferences and Economic Valuation for Water Quality and River Restoration: the Segura River, Spain", Journal, 2012-01-01
- Polizzi, C., M. Simonetto, A. Barausse, N. Chaniotou, R. Kankanen, S. Keranen, A. Manzardo, K. Mustajarvi, L. Palmeri and A. Scipioni, "Is Ecosystem Restoration Worth the Effort? The Rehabilitation of a Finnish River Affects Recreational Ecosystem Services", Journal, 2015-08-01
- Polyzou, E., N. Jones, K. I. Evangelinos and C. P. Halvadakis, "Willingness to pay for drinking water quality improvement and the influence of social capital", Journal, 2011-02-01
- Rajmis, S., J. Barkmann and R. Marggraf, "User community preferences for climate change mitigation and adaptation measures around Hainich National Park, Germany", Journal, 2009-11-01
- Ramajo-Hernández, J. and S. del Saz-Salazar, "Estimating the Non-market Benefits of Water Quality Improvement for a Case Study in Spain: A Contingent Valuation Approach", Journal, 2012-07-01
- Rees, S. E., L. D. Rodwell, M. J. Attrill, M.C. Austen, and S. C. Mangi, "The value of marine biodiversity to the leisure and recreation industry and its application to marine spatial planning", Journal, 2010-01-01
- Remoundou, K., F. Adaman, P. Koundouri and P. ALD. Nunes, "Is the Value of Environmental Goods Sensitive to the Public Funding Scheme? Evidence from a Marine Restoration Programme in the Black Sea", Journal, 2014-12-02
- Remoundou, K., P. Diaz-Simal, P. Koundouri and B. Rulleau, "Valuing Climate Change Mitigation: A Choice Experiment on a Coastal and Marine Ecosystem", Journal, 2015-02-01
- Ressurreição, A., J. Gibbons, M. Kaiser, T. Ponce Dentinho, T. Zarzycki, C. Bentley, M. Austen, D. Burdon, J. Atkins, R. S. Santos and G. Edwards-Jones, "Different cultures, different values: The role of cultural variation in public's WTP for marine species conservation", Journal, 2012-01-01
- Ressurreição, A., J. Gibbons, T. P. Dentinho and M. Kaiser, "Economic Valuation of Species Loss in the Open Sea", Journal, 2010-01-01
- Ressurreição, A., T. Zarzycki, M. Kaiser, G. Edwards-Jones, T. P. Dentinho, R. S. Santos and J. Gibbons, "Towards an Ecosystem Approach for Understanding Public Values Concerning Marine Biodiversity Loss", Journal, 2012-10-01
- Reynisdottir, M., H. Song and J. Agrusa, "Willingness to pay entrance fees to natural attractions: An Icelandic case study", Journal, 2008-01-01

- Rodriguez-Entrena, M., J. Barreiro-Hurle, J. A. Gomez-Limon, M. Espinosa-Goded and J. Castro-Rodriguez, "Evaluating the Demand for Carbon Sequestration in Olive Grove Soils as a Strategy Toward Mitigating Climate Change", Journal, 2012-12-01
- Ruiz-Frau, A., H. Hinz, G. Edwards-Jones and M. J. Kaiser, "Spatially Explicit Economic Assessment of Cultural Ecosystem Services: Non-Extractive Recreational Uses of the Coastal Environment Related to Marine Biodiversity", Journal, 2013-01-01
- Rulleau, B. and H. Rey-Valette, "Valuing the Benefits of Beach Protection Measures in the Face of Climate Change: a French Case-study", Journal, 2013-04-01
- Rulleau, B., H. Rey-Valette and C. Hérivaux, "Valuing Welfare Impacts of Climate Change in Coastal Areas: a French Case Study", Journal, 2015-03-01
- Ruperez-Moreno, C., J. Perez-Sanchez, J. Senent-Aparicio and M. P. Flores-Asenjo, "The Economic Value of Conjoint Local Management in Water Resources: Results from a Contingent Valuation in the Boquerón Aquifer (Albacete, SE Spain)", Journal, 2015-01-01
- S. L. Jorgensen., S. B. Olsen, J. Ladenburg, L. Martinsen, S. R. Svenningsen and B. Hasler, "Spatially Induced Disparities in Users' and Non-Users' WTP for Water Quality Improvements—Testing the Effect of Multiple Substitutes and Distance Decay", Journal, 2013-08-01
- Santos, R., P. Clemente, R. Brouwer, A. Antunes and R. Pinto, "Landowner Preferences for Agri-environmental Agreements to Conserve the Montado Ecosystem in Portugal", Journal, 2015-08-01
- Sardaro, R., S. Girone, C. Acciani, F. Bozzo, A. Petrontino and V. Fucilli, "Agro-biodiversity of Mediterranean crops: farmers' preferences in support of a conservation programme for olive landraces", Journal, 2016-06-01
- Sauer, U. and A. Fischer, "Willingness to Pay, Attitudes and Fundamental Values - On the Cognitive Context of Public Preference for Diversity in Agricultural Landscapes", Journal, 2010-11-01
- Scarpa, R., D. Campbell and W. G. Hutchinson, "Benefit Estimates for Landscape Improvements: Sequential Bayesian Design and Respondents' Rationality in a Choice Experiment", Journal, 2007-11-01
- Schläpfer, F. and M. Schmitt, "Anchors, endorsements, and preferences: A field experiment", Journal, 2007-09-01
- Siiakamaki, J. and D.F. Layton, "Discrete Choice Survey Experiments: A Comparison Using Flexible Methods", Journal, 2007-01-01
- Solgaard, H. S. and Y. Yang, "Consumers' Perception of Farmed Fish and Willingness to Pay for Fish Welfare", Journal, 2011-08-01
- Soliño M., A. Prada and M. X. Vazquez, "Designing a forest-energy policy to reduce forest fires in Galicia (Spain): A contingent valuation application", Journal, 2010-01-01
- Solino, M., "External Benefits of Biomass-e in Spain: An Economic Valuation", Journal, 2010-01-01
- Solino, M., B. A. Farizo and P. Campos, "The Influence of Home-Site Factors on Residents' Willingness to Pay: An Application for Power Generation from Scrubland in Galicia, Spain", Journal, 2009-10-01
- Solino, M., J. Joyce and B. A. Farizo, "Improving Water Quality in England and Wales: Local

- Endowments and Willingness to Pay", Journal, 2013-06-01
- Solino, M., M. X. Vazquez and A. Prada, "Social Demand for Electricity from Forest Biomass in Spain: Does Payment Periodicity Affect the Willingness to Pay?", Journal, 2009-01-01
- Sultanian, E. and P. J. H van Beukering, "Economics of Migratory Birds: Market Creation for the Protection of Migratory Birds in the Inner Niger Delta (Mali)", Journal, 2008-01-01
- Svensson, M., "The Value of a Statistical Life in Sweden: Estimates from Two Studies Using the Certainty Approach Calibration", Journal, 2009-01-01
- Taylor, T. and A. Longo, "Valuing algal bloom in the Black Sea Coast of Bulgaria: A choice experiments approach", Journal, 2010-04-01
- Tuhkanen, H., E. Piirsalu, T. Nommann, A. Karloseva, S. Nommann, M. Czajkowski and N. Hanley, "Valuing The Benefits of Improved Marine Environmental Quality Under Multiple Stressors", Journal, 2016-02-01
- Tussupova, K., R. Berndtsson, T. Bramryd and R. Beisenova, "Investigating Willingness to Pay to Improve Water Supply Services: Application of Contingent Valuation Method", Journal, 2015-06-01
- Tyrväinen, L., E. Mäntymaa and V. Ovaskainen, "Demand for enhanced forest amenities in private lands: The case of the Ruka-Kuusamo tourism area, Finland", Journal, 2014-10-01
- Uehleke, R., "Convergent Validity in Contingent Valuation: An Application to the Willingness to Pay for National Climate Change Mitigation Targets in Germany", Journal, 2016-04-01
- Van Berkel, D. and P. H. Verburg, "Spatial Quantification and Valuation of Cultural Ecosystem Services in an Agricultural Landscape", Journal, 2014-01-01
- Van der Heide, C. M., J. C J M. Van der Bergh, E. C. Van Ierland and P. A L D. Nunes, "Economic Valuation of Habitat Defragmentation: A Study of the Veluwe, the Netherlands", Journal, 2008-09-01
- Vecchiato, D. and T. Tempesta, "Valuing the Benefits of an Afforestation Project in a Peri-Urban Area with Choice Experiments", Journal, 2013-01-01
- Vecchio, R., "Determinants of Willingness-to-Pay for Sustainable Wine: Evidence from Experimental Auctions", Journal, 2013-12-01
- Vedel, E. S., J. B. Jacobsen and B. J. Thorsen, "Forest Owners' Willingness to Accept Contracts for Ecosystem Service Provision is Sensitive to Additionality", Journal, 2015-03-01
- Verbic, M. and R. Slabe-Erker, "An Econometric Analysis of Willingness-to-pay for Sustainable Development: A Case Study of the Volcji Potok Landscape Area", Journal, 2009-03-01
- Verbic, M., R. Slabe-Erker and M. Klun, "Contingent valuation of urban public space: A case study of Ljubljana riverbanks", Journal, 2016-04-01
- Veronesi, M., F. Chawla, M. Maurer and J. Lienert, "Climate Change and the Willingness to Pay to Reduce Ecological and Health Risks From Wastewater Flooding in Urban Centers and the Environment", Journal, 2014-02-01
- Villanueva, A. J., J. A. Gómez-Limón, M. Arriaza and M. Rodríguez-Entrena, "The Design of Agri-environmental Schemes: Farmers' Preferences in Southern Spain", Journal, 2015-07-01
- Voltaire, L., C. Pirrone and D. Bailly, "Dealing with Preference Uncertainty in Contingent Willingness to

- Pay for a Nature Protection Program: A New Approach", Journal, 2013-02-01
- Watzold, F., N. Lienhoop, M. Drechsler and J. Settele, "Estimating Optimal Conservation in the Context of Agri-Environmental Schemes", Journal, 2008-12-01
- Westerberg, V. H., R. Lifran and S. B. Olsen, "To restore or not? A Valuation of social and ecological functions of the Marais des Baux wetland in Southern France", Journal, 2010-10-01
- White, M., A. Smith, K. Humphries, S. Pahl, D. Snelling, and M. Depledge, "Blue Space: The Importance of Water for Preference, Affect, and Restorativeness Ratings of Natural and Built Scenes", Journal, 2010-12-01
- Willemen, L., L. Hein and P. H. Verburg, "Evaluating the impact of regional development policies on future landscape services", Journal, 2010-06-01
- Wustemann, H., J. Meyerhoff, M. Ruhs, A. Schafer and V. Hartje, "Financial Costs and Benefits of a Program of Measures to Implement a National Strategy on Biological Diversity in Germany", Journal, 2014-01-01
- Zander, K. K., G. Signorello, M. De Salvo, G. Gandini, A. G. Drucker, "Assessing the total economic value of threatened livestock breeds in Italy: Implications for conservation policy", Journal, 2013-06-01
- Zandersen, M., S. L. Jørgensen, D. Nainggolan, S. Gyldenkærne, A. Winding, M. H. Greve and M. Ttermansen, "Potential and economic efficiency of using reduced tillage to mitigate climate effects in Danish agriculture", Journal, 2016-03-01
- Zografakis, N., E. Sifaki, M. Pagalou, G. Nikitaki and V. Psarakis, "Assessment of public acceptance and willingness to pay for renewable energy sources in Crete", Journal, 2010-01-01

2.3.5.3. Non-monetary values

- Agbenyega, O., Burgess, P. J., Cook, M., & Morris, J. (2009). Application of an ecosystem function framework to perceptions of community woodlands. *Land Use Policy*, 26(3), 551–557.
<http://doi.org/10.1016/j.landusepol.2008.08.011>
- Bernués, A., Rodríguez-Ortega, T., Alfnes, F., Clemetsen, M., & Eik, L. O. (2015). Quantifying the multifunctionality of fjord and mountain agriculture by means of sociocultural and economic valuation of ecosystem services. *Land Use Policy*, 48, 170–178.
<http://doi.org/10.1016/j.landusepol.2015.05.022>
- Bernués, A., Rodríguez-Ortega, T., Ripoll-Bosch, R., & Alfnes, F. (2014). Socio-cultural and economic valuation of ecosystem services provided by Mediterranean mountain agroecosystems. *PLoS ONE*, 9(7). <http://doi.org/10.1371/journal.pone.0102479>
- Bieling, C., Plieninger, T., Pirker, H., & Vogl, C. R. (2014). Linkages between landscapes and human well-being: An empirical exploration with short interviews. *Ecological Economics*, 105, 19–30.
<http://doi.org/10.1016/j.ecolecon.2014.05.013>
- Brown, G., Hausner, V. H., Grodzińska-Jurczak, M., Pietrzyk-Kaszyńska, A., Olszańska, A., Peek, B., ... Lægreid, E. (2015). Cross-cultural values and management preferences in protected areas of Norway and Poland. *Journal for Nature Conservation*, 28, 89–104.
<http://doi.org/10.1016/j.jnc.2015.09.006>
- Calvet-Mir, L., G??mez-Baggethun, E., & Reyes-Garc??a, V. (2012). Beyond food production: Ecosystem

- services provided by home gardens. A case study in Vall Fosca, Catalan Pyrenees, Northeastern Spain. *Ecological Economics*, 74, 153–160. <http://doi.org/10.1016/j.ecolecon.2011.12.011>
- Camps-Calvet, M., & Langemeyer, J. (2016). Ecosystem services provided by urban gardens in Barcelona, Spain: Insights for policy and planning. ... *Science & Policy*, (2015). <http://doi.org/http://dx.doi.org/10.1016/j.envsci.2016.01.007>
- Casado-Arzuaga, I., Madariaga, I., & Onaindia, M. (2013). Perception, demand and user contribution to ecosystem services in the Bilbao Metropolitan Greenbelt. *Journal of Environmental Management*, 129, 33–43. <http://doi.org/10.1016/j.jenvman.2013.05.059>
- Castro, A. J., Martín-López, B., García-Llorente, M., Aguilera, P. A., López, E., & Cabello, J. (2011). Social preferences regarding the delivery of ecosystem services in a semiarid Mediterranean region. *Journal of Arid Environments*, 75(11), 1201–1208. <http://doi.org/10.1016/j.jaridenv.2011.05.013>
- Garrido, P., Elbakidze, M., & Angelstam, P. (2017). Stakeholders' perceptions on ecosystem services in Östergötland's (Sweden) threatened oak wood-pasture landscapes. *Landscape and Urban Planning*, 158, 96–104. <http://doi.org/10.1016/j.landurbplan.2016.08.018>
- Grilli, G., Nikodinoska, N., Paletto, A., & De Meo, I. (2015). Stakeholders' Preferences and Economic Value of Forest Ecosystem Services: an Example in the Italian Alps. *Baltic Forestry*, 21(2), 298–307.
- Haida, C., Rüdisser, J., & Tappeiner, U. (2015). Ecosystem services in mountain regions: experts' perceptions and research intensity. *Regional Environmental Change*. Retrieved from <http://link.springer.com/10.1007/s10113-015-0759-4>
- Hartel, T., Fischer, J., Campeanu, C., Milcu, A. I., Hanspach, J., & Fazey, I. (2014). The importance of ecosystem services for rural inhabitants in a changing cultural landscape in Romania. *Ecology and Society*, 19(2). <http://doi.org/10.5751/ES-06333-190242>
- Iniesta-Arandia, I., García-Llorente, M., Aguilera, P. A., Montes, C., & Martín-López, B. (2014). Socio-cultural valuation of ecosystem services: uncovering the links between values, drivers of change, and human well-being. *Ecological Economics*, 108, 36–48. <http://doi.org/10.1016/j.ecolecon.2014.09.028>
- Karrasch, L., Klenke, T., & Woltjer, J. (2014). Linking the ecosystem services approach to social preferences and needs in integrated coastal land use management - A planning approach. *Land Use Policy*, 38, 522–532. <http://doi.org/10.1016/j.landusepol.2013.12.010>
- Kati, V., & Jari, N. (2016). Bottom-up thinking — Identifying socio-cultural values of ecosystem services in local blue – green infrastructure planning in Helsinki . *Land Use Policy*, 50, 537–547. <http://doi.org/10.1016/j.landusepol.2015.09.031>
- Kelemen, E., Nguyen, G., Gomiero, T., Kovács, E., Choisis, J. P., Choisis, N., ... Balázs, K. (2013). Farmers' perceptions of biodiversity: Lessons from a discourse-based deliberative valuation study. *Land Use Policy*, 35, 318–328. <http://doi.org/10.1016/j.landusepol.2013.06.005>
- Lamarque, P., Meyfroidt, P., Nettier, B., & Lavorel, S. (2014). How ecosystem services knowledge and values influence farmers' decision-making. *PLoS ONE*, 9(9). <http://doi.org/10.1371/journal.pone.0107572>
- Lamarque, P., Tappeiner, U., Turner, C., Steinbacher, M., Bardgett, R. D., Szukics, U., ... Lavorel, S. (2011). Stakeholder perceptions of grassland ecosystem services in relation to knowledge on soil fertility and biodiversity. *Regional Environmental Change*, 11(4), 791–804. <http://doi.org/10.1007/s10113-011-0214-0>

- Langemeyer, J., Baró, F., Roebeling, P., & Gómez-Baggethun, E. (2015). Contrasting values of cultural ecosystem services in urban areas: The case of park Montjuïc in Barcelona. *Ecosystem Services*, 12, 178–186. <http://doi.org/10.1016/j.ecoser.2014.11.016>
- Maestre-Andrés, S., Calvet-Mir, L., & van den Bergh, J. C. J. M. (2015). Sociocultural valuation of ecosystem services to improve protected area management: a multi-method approach applied to Catalonia, Spain. *Regional Environmental Change*, 16(3), 717–731. Retrieved from <http://link.springer.com/10.1007/s10113-015-0784-3>
- Martin-Lopez, B., Iniesta-Arandia, I., Garcia-Llorente, M., Palomo, I., Casado-Arzuaga, I., Del Amo, D. G., ... Montes, C. (2012). Uncovering ecosystem service bundles through social preferences. *PLoS ONE*, 7(6). <http://doi.org/10.1371/journal.pone.0038970>
- Niedziałkowski, K., Blicharska, M., Mikusiński, G., & Jedrzejewska, B. (2014). Why is it difficult to enlarge a protected area? Ecosystem services perspective on the conflict around the extension of the Białowieża National Park in Poland. *Land Use Policy*, 38, 314–329. <http://doi.org/10.1016/j.landusepol.2013.12.002>
- Oteros-Rozas, E., Martin-Lopez, B., Gonzalez, J. A., Plieninger, T., Lopez, C. A., & Montes, C. (2014). Socio-cultural valuation of ecosystem services in a transhumance social-ecological network. *Regional Environmental Change*, 14(4), 1269–1289. <http://doi.org/10.1007/s10113-013-0571-y>
- Plieninger, T., Dijks, S., Oteros-Rozas, E., & Bieling, C. (2013). Assessing, mapping, and quantifying cultural ecosystem services at community level. *Land Use Policy*, 33, 118–129. <http://doi.org/10.1016/j.landusepol.2012.12.013>
- Quintas-Soriano, C., Castro, A. J., Castro, H., & García-Llorente, M. (2016). Impacts of land use change on ecosystem services and implications for human well-being in Spanish drylands. *Land Use Policy*, 54, 534–548. <http://doi.org/10.1016/j.landusepol.2016.03.011>
- Rall, E., Bieling, C., Zytynska, S., & Haase, D. (2017). Exploring city-wide patterns of cultural ecosystem service perceptions and use. *Ecological Indicators*, 77, 80–95. <http://doi.org/10.1016/j.ecolind.2017.02.001>
- Ruiz-Frau, A., Edwards-Jones, G., & Kaiser, M. J. (2011). Mapping stakeholder values for coastal zone management. *Marine Ecology Progress Series*, 434(1987), 239–249. <http://doi.org/10.3354/meps09136>
- Scholte, S. S. K., Todorova, M., Van Teeffelen, A. J. A., & Verburg, P. H. (2016). Public support for wetland restoration: What is the link with ecosystem service values? *Wetlands, in review*. <http://doi.org/10.1007/s13157-016-0755-6>
- Soy-Massoni, E., Langemeyer, J., Varga, D., Sáez, M., & Pintó, J. (2016). The importance of ecosystem services in coastal agricultural landscapes: Case study from the Costa Brava, Catalonia. *Ecosystem Services*, 17, 43–52. <http://doi.org/10.1016/j.ecoser.2015.11.004>
- Sténs, A., Bjärstig, T., Nordström, E. M., Sandström, C., Fries, C., & Johansson, J. (2016). In the eye of the stakeholder: The challenges of governing social forest values. *Ambio*, 45, 87–99. <http://doi.org/10.1007/s13280-015-0745-6>
- Willaarts, B. A., Volk, M., & Aguilera, P. A. (2012). Assessing the ecosystem services supplied by freshwater flows in Mediterranean agroecosystems. *Agricultural Water Management*, 105, 21–31. <http://doi.org/10.1016/j.agwat.2011.12.019>
- Zoderer, B. M., Lupo Stanghellini, P. S., Tasser, E., Walde, J., Wieser, H., & Tappeiner, U. (2016). Exploring

socio-cultural values of ecosystem service categories in the Central Alps: the influence of socio-demographic factors and landscape type. *Regional Environmental Change*.
<http://doi.org/10.1007/s10113-015-0922-y>