



Valuing nature's contributions to people: The approach of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

Marie Stenseke
University of Gothenburg
Co-chair IPBES Multidisciplinary Expert Panel



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Organization of the
United Nations



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Structure of my presentation

- What is IPBES?
 - The conceptual evolution on values and Nature's contributions to people
 - Some implications for environmental risk management
-

The Intergovernmental Science- Policy Platform on Biodiversity and Ecosystem Services

- **Objective:** IPBES provides policy relevant knowledge on biodiversity and ecosystem services to inform decision making
- Currently 130 Members (Governments)
- Placed under the auspices of the United Nations
- Administered under UN Environment (UNEP), and also linked to FAO, UNDP and UNESCO
- Currently implementing its first Work Programme
- Four Functions: Assessments, Knowledge generation catalysis, Policy support, Capacity building
- Secretariat hosted in Bonn





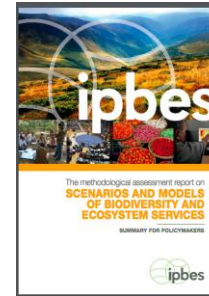
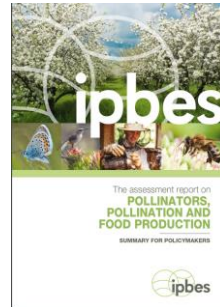
UN Sustainable Development Goals



IPBES Assessments

2016

- Pollination
- Scenarios and modelling



2018

- Four regional assessments: Africa, Americas, Asia & Pacific, Europe & Central Asia + Land degradation and restoration

2019

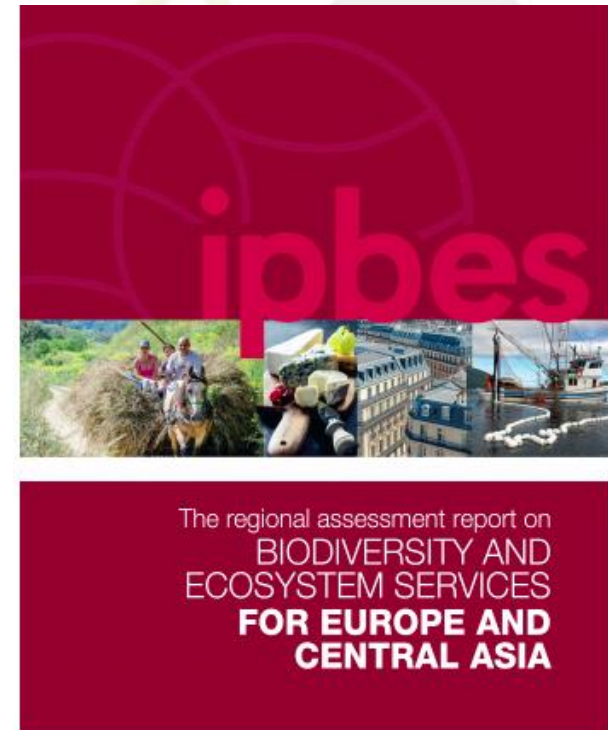
- Global Assessment

2021

- **Diverse ways of valuing**
- Sustainable use of wild species

2022

- Invasive species



IPBES strives for being inclusive when it comes to various ways of understanding the human-nature relations



[Home](#) / Contributions on Indigenous and Local Knowledge [ILK] for the IPBES Global Assessment

Contributions on Indigenous and Local Knowledge [ILK] for the IPBES Global Assessment

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DEADLINE FOR CONTRIBUTIONS: 20 December 2017



START YOUR INFOCONTRIBUTION DESCRIPTIONS SUGGESTIONS PREVIEW COMPLETE

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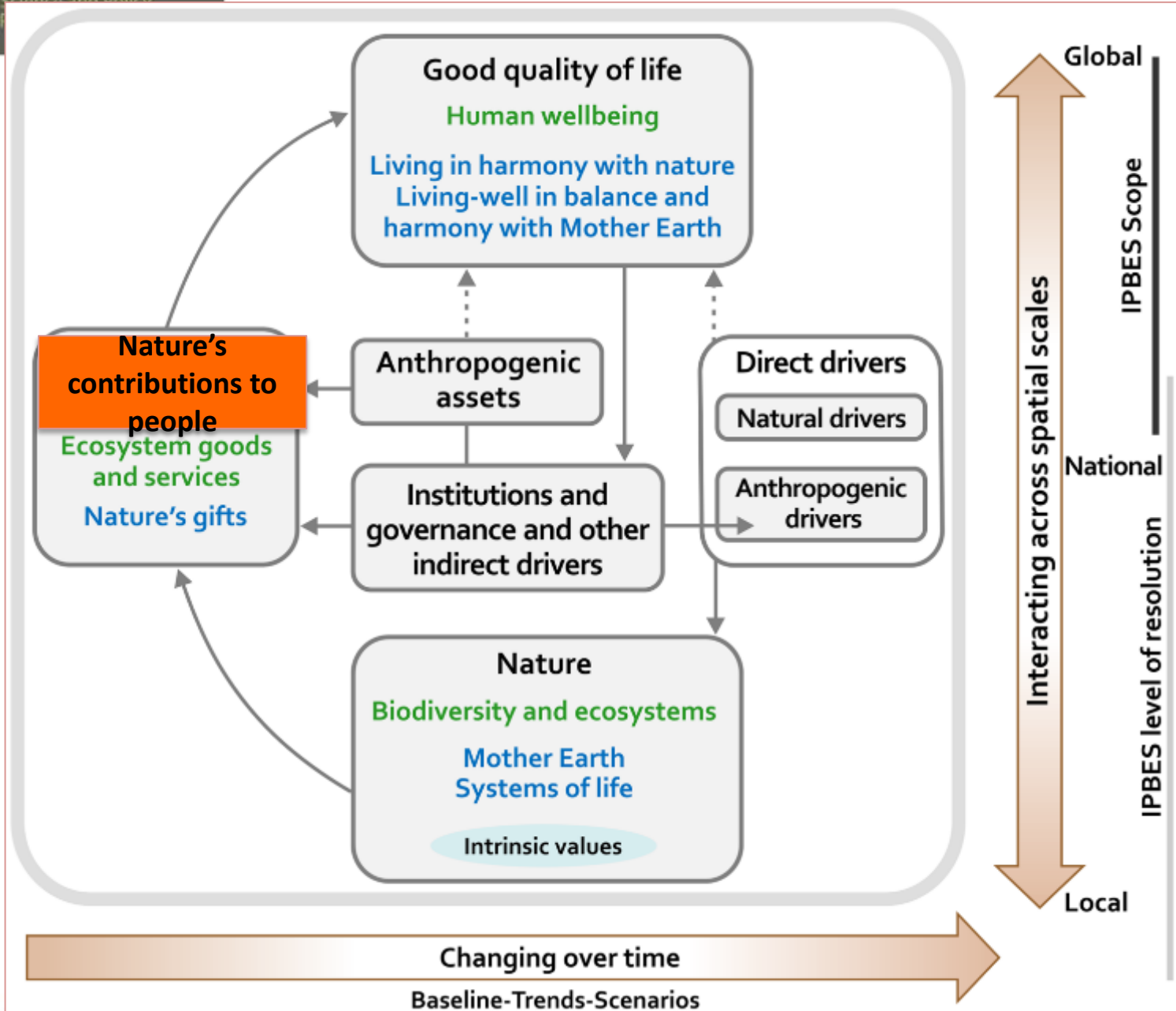
The purpose of this CALL FOR CONTRIBUTIONS is to invite experts on ILK, holders of ILK, as well as their organizations and networks, to engage with and support the Global Assessment of Biodiversity and Ecosystem Services of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES).

Knowing our Lands and Resources

Indigenous and Local Knowledge of Biodiversity and Ecosystem Services in Europe and Central Asia



IPBES Conceptual Framework

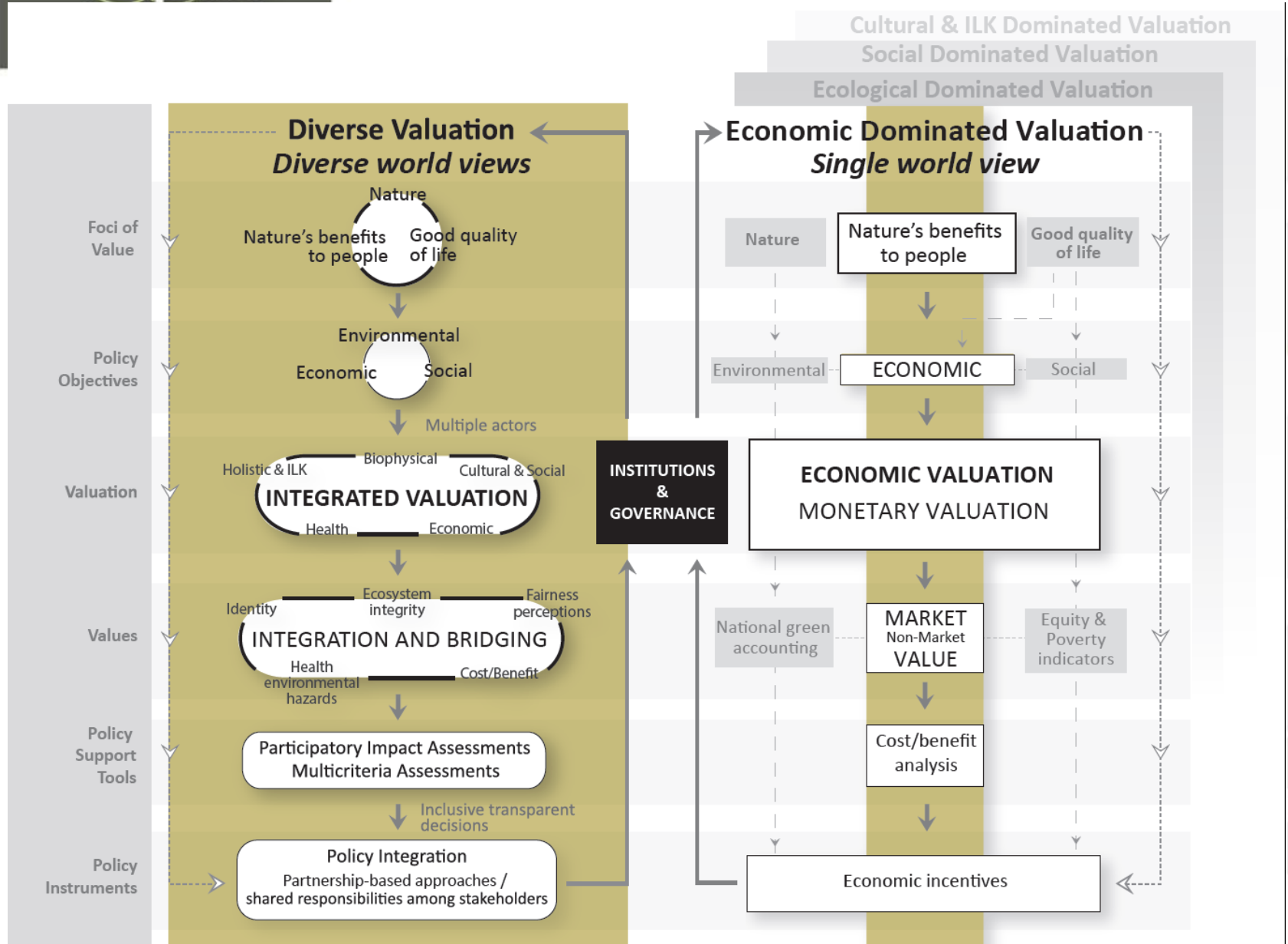


IPBES strengthen knowledge foundations for the conservation and sustainable use of biodiversity and long-term human well-being

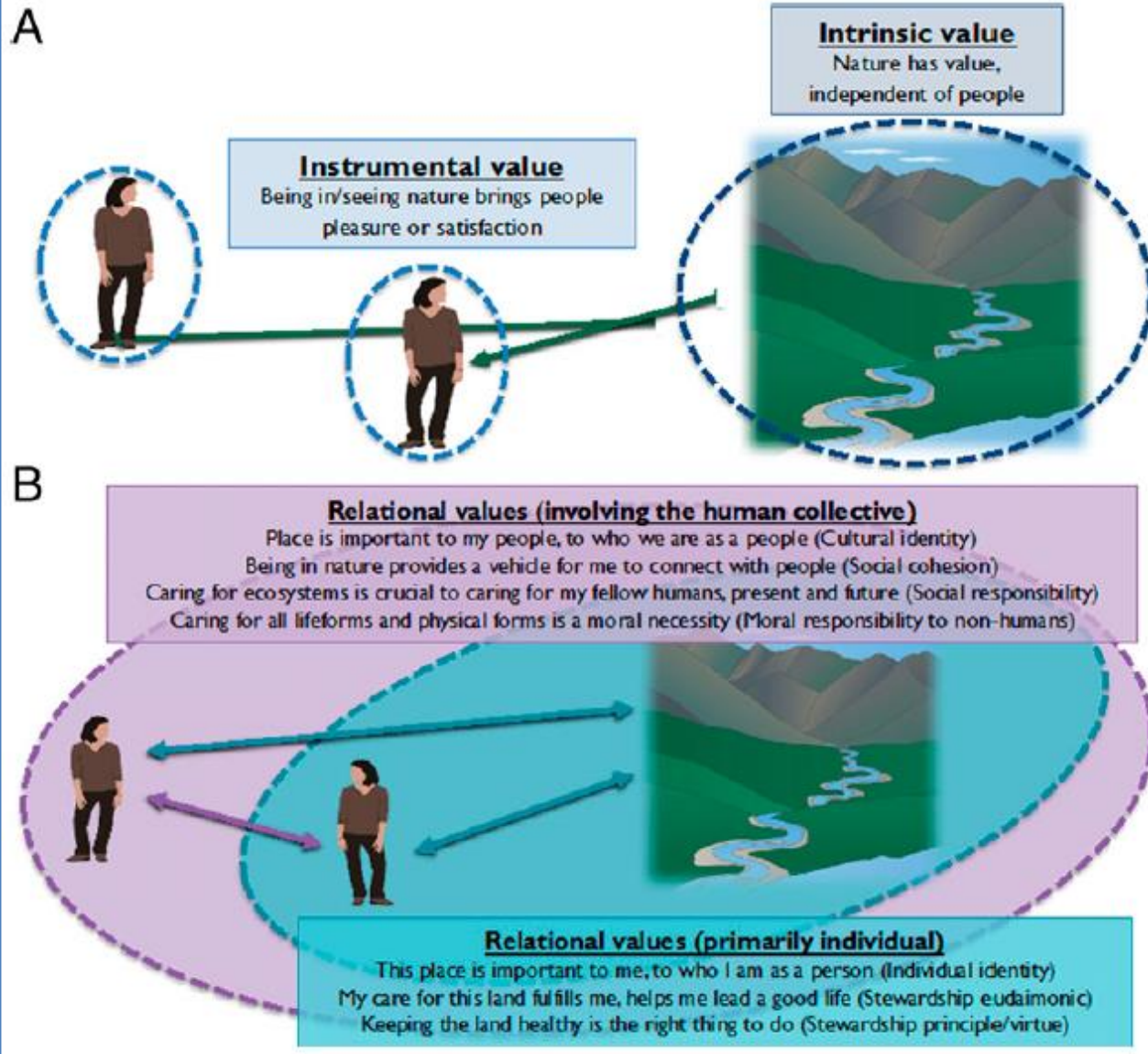
- By recognizing that there are various ways of valuing



Value pluralism



Relational values as a core concept



Relational values reflect elements of cultural identity, social cohesion, social responsibility and moral responsibility towards nature

Pascual et al. 2017

Methods to capture relational values

Ethnography; long-term living within a community, participant observation, daily note-taking, and the writing of a descriptive monograph.

Ethnoecological methods; participant observation, interviewing, cultural consensus analysis, cultural domain analysis, and social network analysis

Geographic methods; participatory geographical information systems (PGIS) and human ecology mapping

Narrative valuation; stories, influence diagrams, visual and verbal summaries.

Preference assessment; respondents are asked to rank or rate in interviews or surveys.



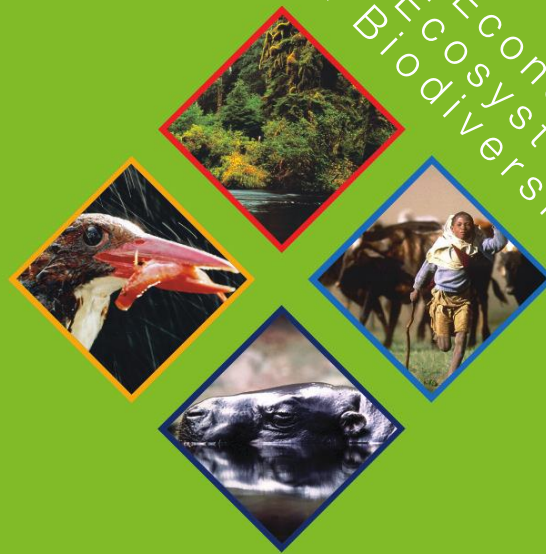
ECOSYSTEMS AND HUMAN WELL-BEING

Synthesis



MILLENNIUM ECOSYSTEM ASSESSMENT

The Economics of Ecosystems & Biodiversity



MAINSTREAMING THE ECONOMICS OF NATURE
A SYNTHESIS OF THE APPROACH, CONCLUSIONS
AND RECOMMENDATIONS OF TEEB

ES Critique




Ecological Economics
Volume 69, Issue 6, 1 April 2010, Pages 1219-1227



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Mini Review

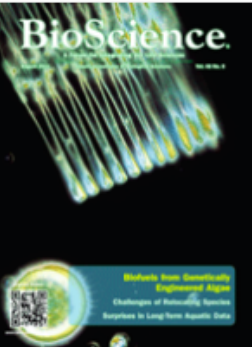
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Esther Turnhout , Claire Waterton, Katja Neves, Marleen Buizer

First published: 7 January 2013 [Full publication history](#)



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Volume 6, Issue 3
June 2013
Pages 154–161



JOURNAL ARTICLE

Where are *Cultural and Social* in Ecosystem Services? A Framework for Constructive Engagement

Kai M. A. Chan, Anne D. Guerry, Patricia Balvanera, Sarah Klain, Terre Satterfield, Xavier Basurto, Ann Bostrom, Ratana Chuenpagdee, Rachelle Gould, Benjamin S. Halpern, Neil Hannahs, Jordan Levine, Bryan Norton, Mary Ruckelshaus, Roly Russell, Jordan Tam and Ulalia Woodside

BioScience
Vol. 62, No. 8 (August 2012), pp. 744-756



Ecological Economics
Volume 86, February 2013, Pages 274-284



Ecosystem services as technology of globalization: On articulating values in urban nature

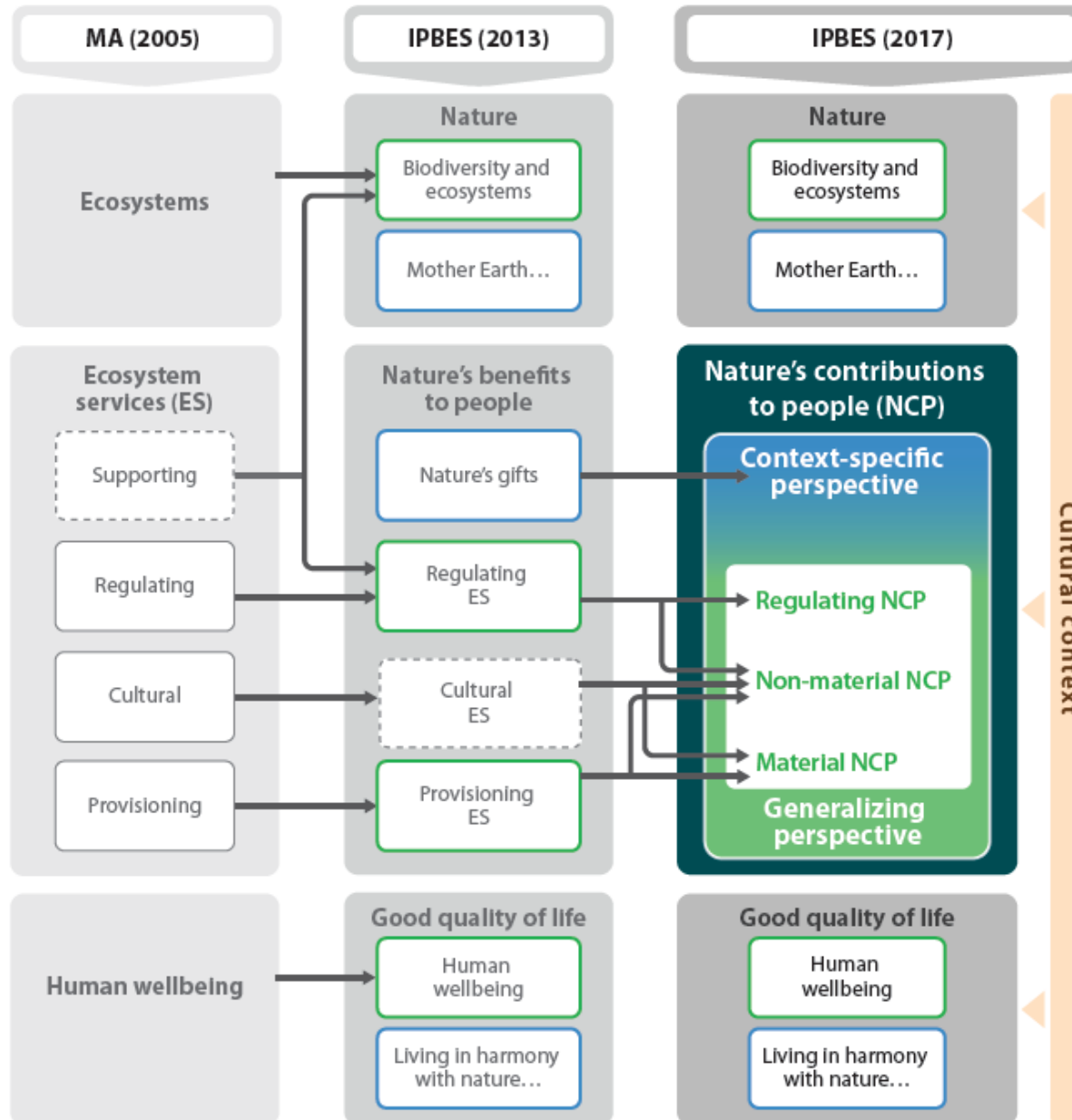
Henrik Ernstson ^{a, c} , Sverker Sörlin ^{b, c} 

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Conceptual development from Millennium Ecosystem Assessment to IPBES



Diaz et al
2018.

Nature's contributions to people from different perspectives

Context-specific perspective

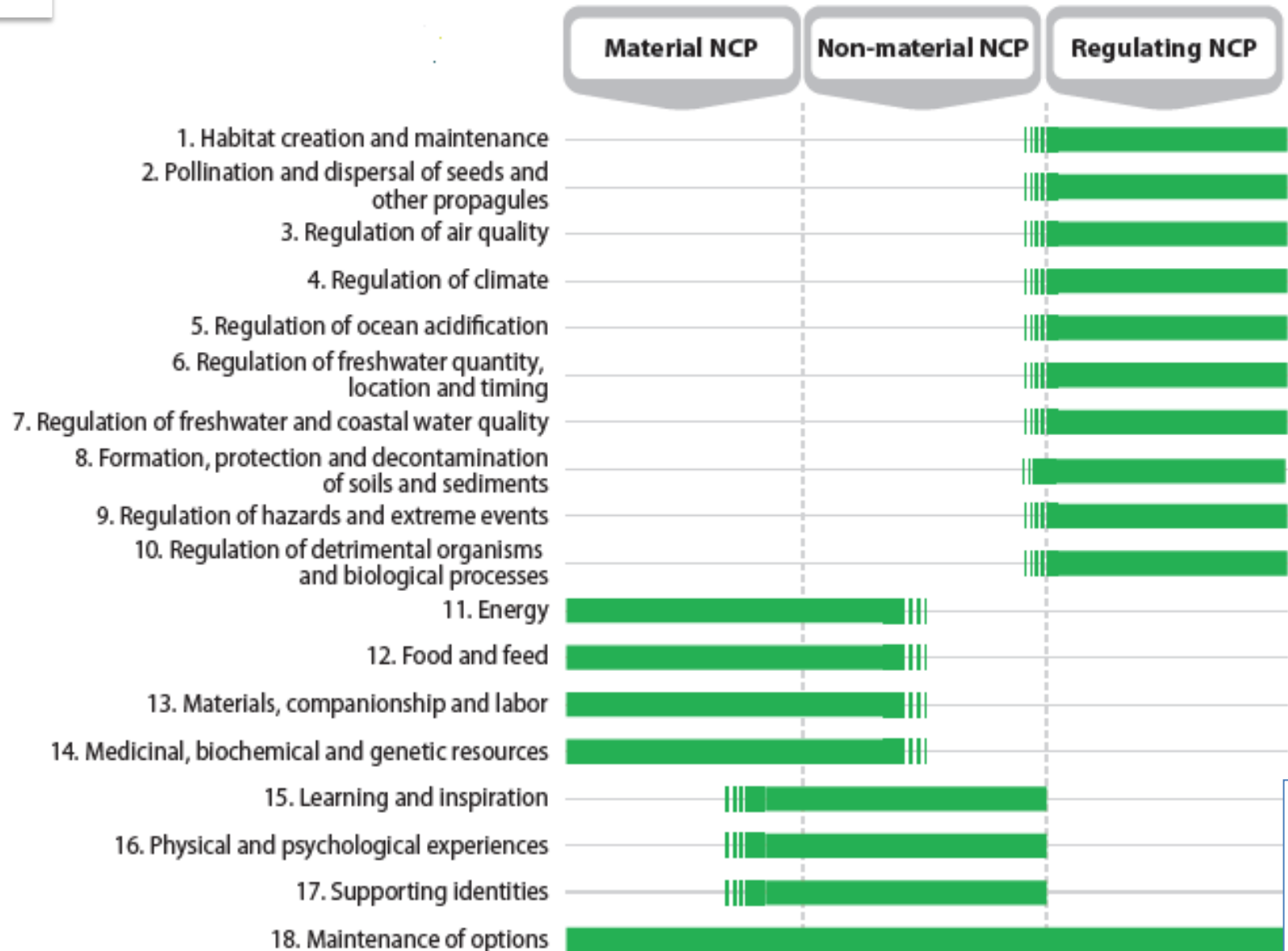


Generalizing perspective

Nature's
contributions
to people
(NCP)

Diaz et al 2018

NCP in a generalizing perspective



to be underlined...

- IPBES takes a pluralistic approach for increasing scientific credibility, fairness and political legitimacy. **NCP broadens the tent**, and includes Ecosystem services perspectives
- The role of culture has been **elevated** by the recognition that the cultural context influences the perception and experiences by people of **all NCP**
- The framework includes **positive as well as negative NCP**
- **Recognizes co-production**, irrespective of the degree of anthropogenic input

Implications for environmental risk management and food safety

- **Contributions for whom?**
- Food availability is not the same as food accessibility
- Food is more than nutrition
- People value differently
- Qualitative studies are needed to capture sociocultural aspects and people's varying perceptions
- Forms for bridging between various ways of valuing needs to be more developed



Science and Policy
for People and Nature

Thank you!

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Chan K, Balvanera P, Benessaiah K, Chapman M, Díaz S, Gómez-Baggethun E, Gould RK, Hannahs N, Jax K, Klain SC, et al: Why Protect Nature? Rethinking Values and the Environment. *PNAS*, 2016, 113:1462-1465.

Díaz, S., Pascual, U., Stenseke, M., Martín-López, B., Watson, RT, Molnár, Z. et al. 2018. Assessing nature's contributions to people. *Science*, 359: 270-272.

IPBES. The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, <https://www.ipbes.net/>

IPBES 2016. Preliminary guide regarding diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services. IPBES/4/INF/13

IPBES, 2018. *Summary for policymakers of the regional assessment report on biodiversity and ecosystem services for Europe and Central Asia of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services.* M. Fischer, M. Rounsevell, A. Torre-Marín, Rando, A. Mader, A. Church, M. Elbakidze, V. Elias, T. Hahn, P.A. Harrison, J. Hauck, B. Martín-López, I. Ring, C. Sandström, I. Sousa Pinto, P. Visconti, N.E. Zimmermann and M. Christie (eds.). IPBES secretariat, Bonn, Germany.

Pascual, U., Balvanera, P., Díaz, S., Pataki, G., Roth, E., Stenseke, M., et al. 2017. Valuing nature's contributions to people: the IPBES approach. *Current Opinion in Environmental Sustainability*, 26-27: 7-16.

Roué, M. & Molnár, Z (eds.) 2017. Knowing our Lands and Resources: Indigenous and Local Knowledge of Biodiversity and Ecosystem Services in Europe and Central Asia. *Knowledges of Nature 9*. UNESCO: Paris.