

Improving the science-policy interface on biodiversity and ecosystem services:

A major challenge for environmental science and policy



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Overview

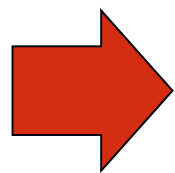
- The policy challenge
- The challenge and danger of linking biodiversity and ecosystem services
- How to interface science and policy on biodiversity and ecosystem services?
- *BiodiversityKnowledge*: The Network of Knowledge approach
- Conclusions: the challenge of playing the complete chord



The policy challenge



- **EU Biodiversity Strategy 2020 & CBD Strategic Plan**
 - Unbalanced target system on EU level
 - Highly challenging targets with respect to ecosystem services (and some other issues)
- **IPBES: Negotiations ongoing in Nairobi**
 - Basic ideas are potentially innovative, including different work areas
 - Inclusion of different forms of knowledge
 - New approaches for its governance needed



Major challenges for the science-policy interface



The challenge and danger of linking biodiversity and ecosystem services

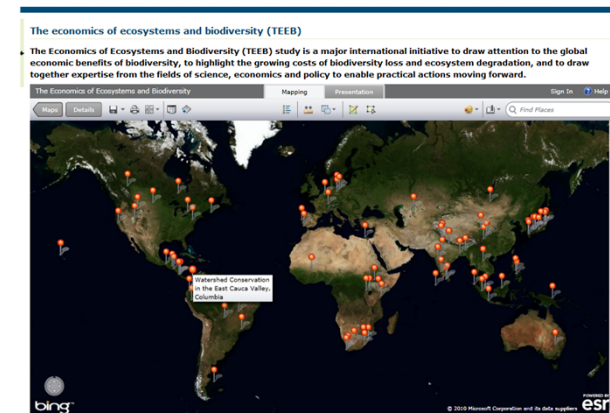
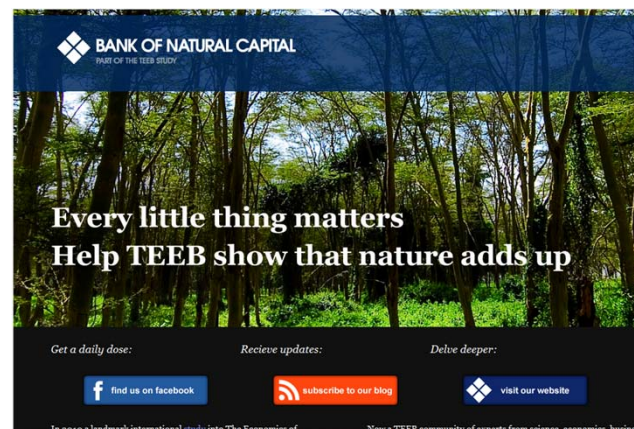
- MA has triggered the dualism of „biodiversity and ecosystem services“
- Policy: push towards making them synonyms...
- Science: Multitude of approaches from biology, geography, landscape ecology, economics, ...
- Still large gaps in research, but ...
- ... also a huge opportunity to link complexities of policy and environmental sciences in a common framework



The Economics of Ecosystems & Biodiversity



- Initiative by G8 Environmental Ministers in 2007
- Main goal to mainstream the economics of ecosystems and biodiversity
- Broad community of 500+ experts involved
- Products: Set of influential reports for specific end users; websites; short films; case study collection, ...



www.teeb4me.com

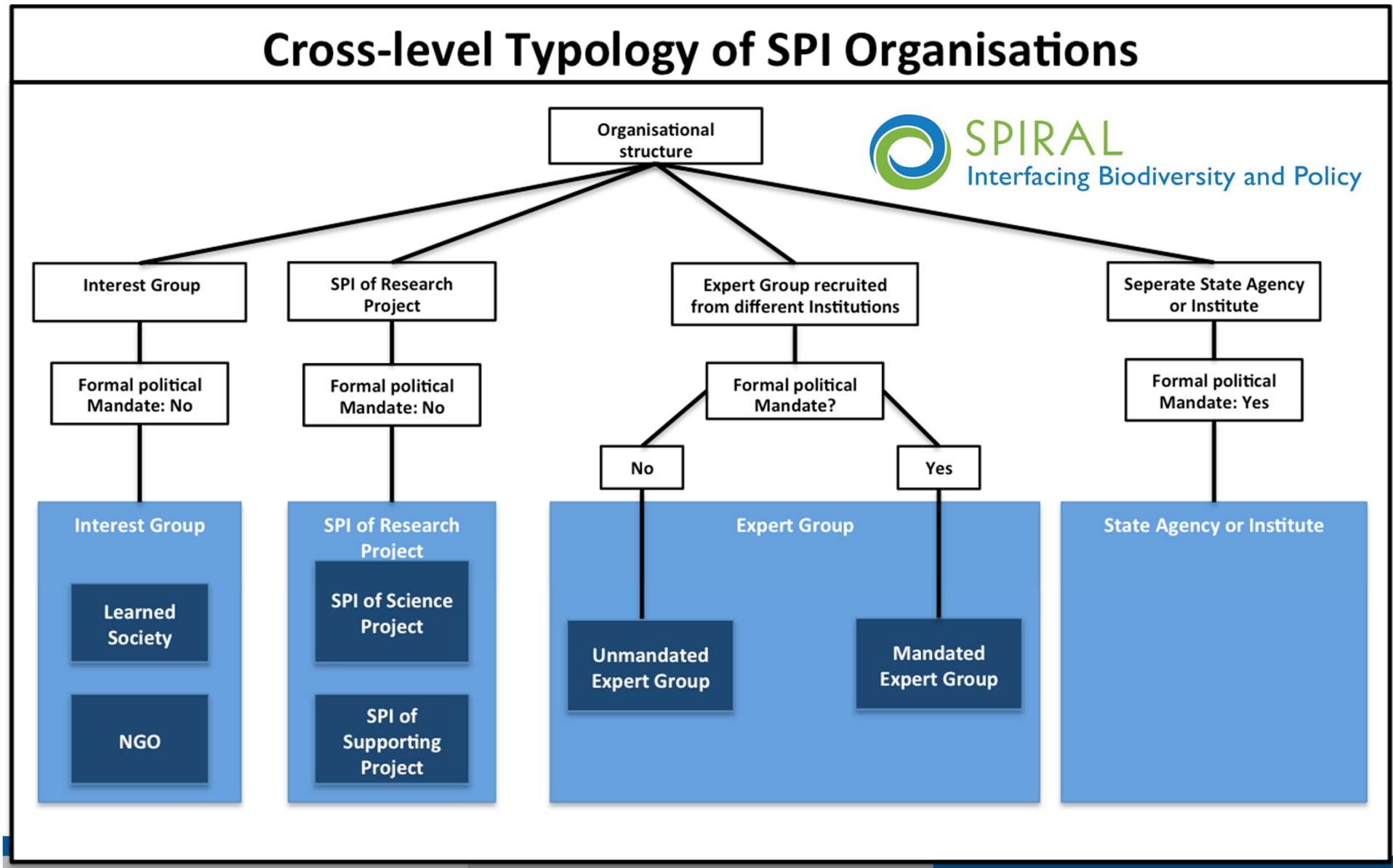
www.eea.europa.eu/atlas/teeb

How to interface science and policy for today's problems?

- complexity of problems calls for integrated and dialogue-oriented approaches
- Challenge to balance (scientific) credibility, relevance and legitimacy
- A high diversity of approaches exists ...



How to interface science and policy?



**Developing a Knowledge Network for
EUropean expertise on biodiversity and
ecosystem services to inform policy making
and economic sectors**

(FP7 project KNEU)



**Challenge: to identify, address
and activate a high variety and
number of knowledge holders**



Biodiversity Knowledge

The Network of Knowledge approach



KNOWLEDGE HOLDERS / PROVIDERS



Identify
Address and engage



KNOWLEDGE USERS

Request
Acknowledge



The NoK prototype steps

REQUEST



DIALOGUE



Get engaged:
Help us develop and test the NoK!
Visit biodiversityknowledge.eu

FINALISING



CLOSING & FOLLOW-UP



Some

Set of criteria?

Ensuring mutual understanding of clients and

issue
of
nes

Feedback with stakeholders and clients. & Acknowledgement of contributions

Conclusions (1): Improve structures for (rapid) knowledge transfer

A wealth of knowledge is there !!!

(1) Make it accessible by:

- improving the outreach work in projects
- Develop central transfer tools (BISE, GBIF and others)
- install IPBES with regional „network of networks“ as basis;
BiodiversityKnowledge as prototype



Conclusions (2): Improve structures for (rapid) knowledge transfer

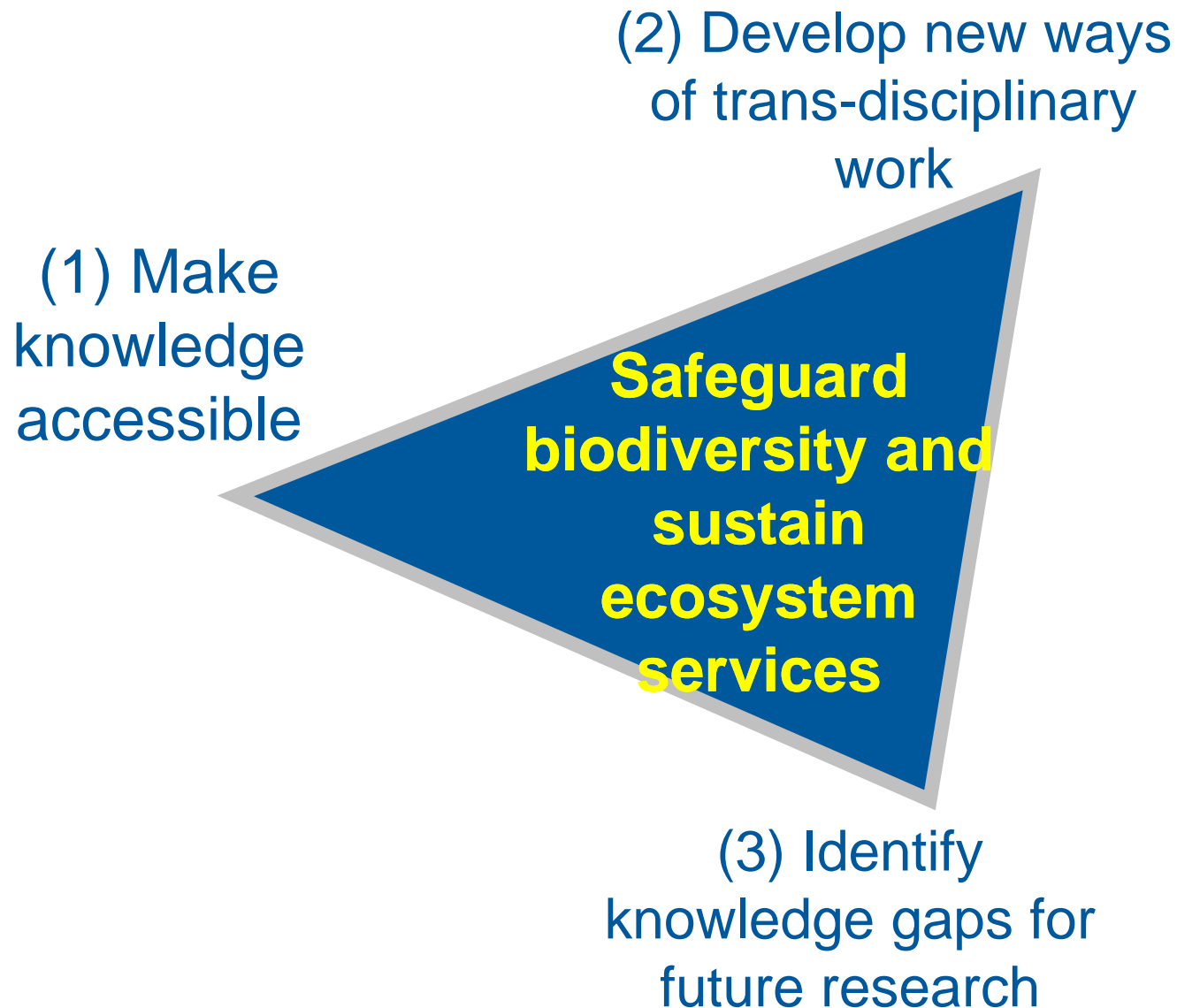
(2) Develop new ways of trans-disciplinary (ad-hoc) work (MA & TEEB-like)

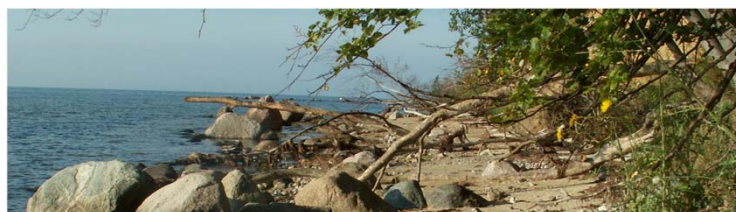
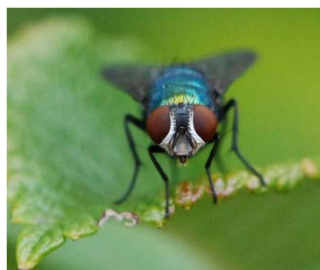
- Credibility: analysis across knowledge types
- Relevance: strongly linked to societal and policy needs
- Legitimacy: development of a „European mechanisms on Expertise in Biodiversity“ (COM 2006/216)

(3) Identify knowledge gaps for future research



Playing the complete chord ...





Thank you for your attention !

More information:

www.biodiversityknowledge.eu

www.spiral-project.eu

www.teebweb.org

