ECOSYSTEM SERVICES PARTNERSHIP 9 World Conference





Mapping the current landscape of science-policy interface studies on biodiversity and ecosystem services





Purpose/Methodology



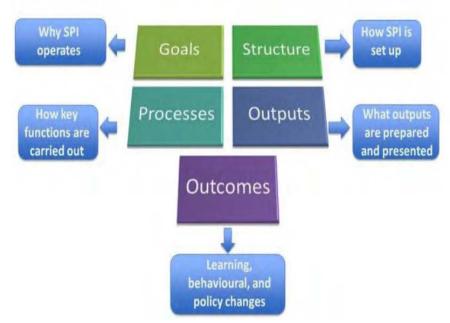
Purpose:

To identify the latest findings and critical gaps in SPI studies with a view to strengthening SPIs for mainstreaming biodiversity and ecosystem services into policies.

Methodology:

The key features of SPIs are goals, structure, processes, outputs and outcomes

- Literature review on biodiversityrelevant SPIs
- Keyword search on ('science-policy' OR 'policy-science') AND 'biodiversity' in the Scopus database (6 April, 2017): 181 articles
- Total number of articles relevant for review: 96
- Number of articles relevant for analysis on effectiveness of SPIs: 77
- Review of key features of SPIs based on the SPIRAL project frameworks





Results (1)



- Most of studies targeted global level SPIs (38%, 17% were about IPBES), followed by national (20%) and regional (19%) level SPIs.
- Most of the regional and national level SPI studies focused on Europe (60%) and North America (14%).
- Despite emerging needs, there is not much SPI research in Asia, Latin America and Africa

FIGURE 1: GEOGRAPHICAL SCALE OF SPI STUDIES

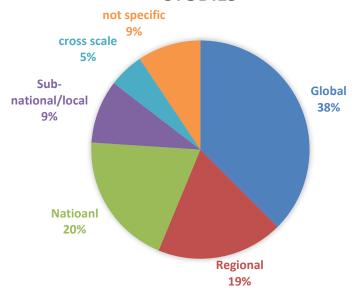
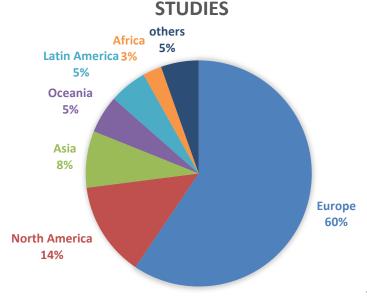


FIGURE 2: REGIONAL BALANCE OF SPI

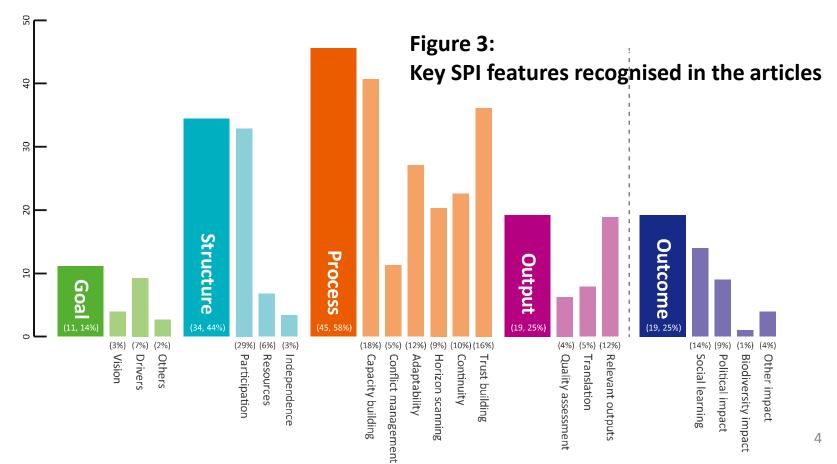




Result (2)



- Total number of articles which analyse SPI's effectiveness: 77 out of 96
- Some articles identified more than one key features of SPI
- Reviewed key features of SPIs based on in the SPIRAL project frameworks





Key challenges and success factors of SPIs (1)



	Challenges	Success factors
Goal	 ✓ Identification of key research topic ✓ *Timely provision of comprehensive knowledge into policies 	✓ Joint formulation of research and policy between researchers and policymakers
Structural	 ✓ *Handling the socio-ecological complexity and political dimensions ✓ Knowledge gap between scientists and policymakers ✓ Need to strengthen scientific basis ✓ Complexity of decision-making process ✓ Fragmentation of group of interest involved in SPI ✓ Limited incentives for scientists and policymakers to participate in SPI 	scientist and policymakers including social scientists and practitioners ✓ Promotion of inter-/trans-disciplinary research to apply integrated approach ✓ Establishment of discussion platform among different stakeholders ✓ Putting in place structures and incentive
Process	 ✓ Overcoming silo mentalities and integrating research into policy ✓ *Handling the socio-ecological complexity and political dimensions ✓ *Timely provision of consolidated views 	interface team including local



Key challenges and success factors of SPIs (2)



	Challenges	Success factors
Process (con.)	 ✓ Lack of common language/philosophies between scientists and policymakers ✓ Need to improve data collection and use ✓ Addressing and communicating uncertainty of science 	governance structures of SPI ✓ Engaging policymakers in research project ✓ Enhancing national level of capacity including data collection and technical skill
Outputs	 ✓ Making finding more policy relevant ✓ Transforming knowledge between different communities ✓ Need to strengthen scientific basis 	 ✓ Focusing on knowledge for implementation and evaluation ✓ Producing concerted views from the knowledge community ✓ Improving quality assessment process of knowledge products ✓ Translating knowledge to be understandable ✓ Recognising the role of knowledge brokers



Conclusion



Towards effective interdisciplinary SPIs

- More dynamic, iterative and collaborative interactions with practitioners, knowledge holders (including ILK) and policymakers
- Consolidating interdisciplinary study that recognises the interconnectedness of social and ecological system
- Joint formation of research and policy
- Building capacity and long-term trust of organization

Research gaps

- Not much research on SPIs in Asia, Latin American and African region
- Not much empirical research assessing effectiveness of SPIs based on outcomes of SPIs.

