

Alternet Day - 12 June, 2024

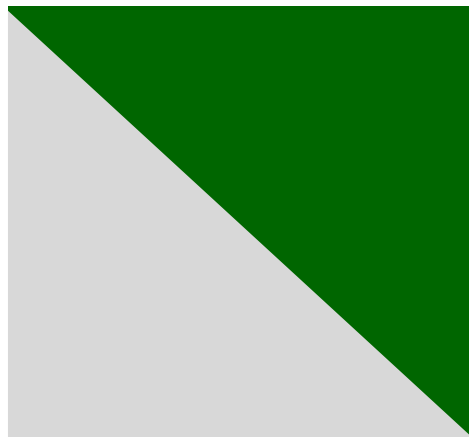
Sustainability Research + Innovation Congress 2024 - Sustainability Science Days

An intergovernmental science-policy interface meets the different levels of governance

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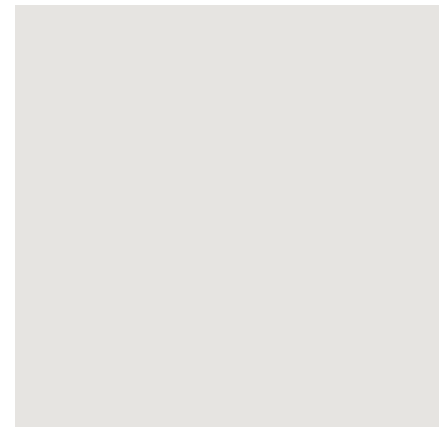


Restoration challenges traditional approaches to conservation and management



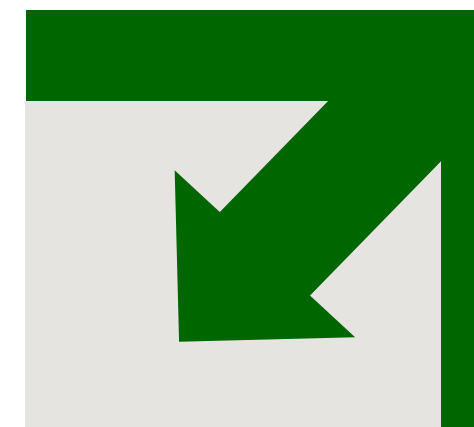
Preservation

- Land sparing



Sustainable use

- Land sharing



Restoration

- “Land settling”

All of these approaches have evolved in science-policy interfaces

What is an ideal science-policy interface?

Who is involved?

What is sought?

How ?



Two examples:



The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)



Strengthens knowledge foundations for better policy through science, for the conservation and sustainable use of biodiversity, long-term human wellbeing and sustainable development



IPBES structure

The Plenary

- Decision making body

The Bureau

- Oversees all administrative functions
- Comprises Chair, four Vice-Chairs & five additional officers (10 members)

Multidisciplinary Expert Panel (MEP)

- Oversees all scientific & technical functions
- 5 experts from each of the 5 UN regions (25 members)

Expert groups and task forces

- Selected scientists & knowledge-holders
- Carrying out assessments & other deliverables

Secretariat (including technical support units)

- Implements IPBES work & administration
- Supports Plenary, Bureau & MEP
- Led by Executive Secretary



Four functions of IPBES

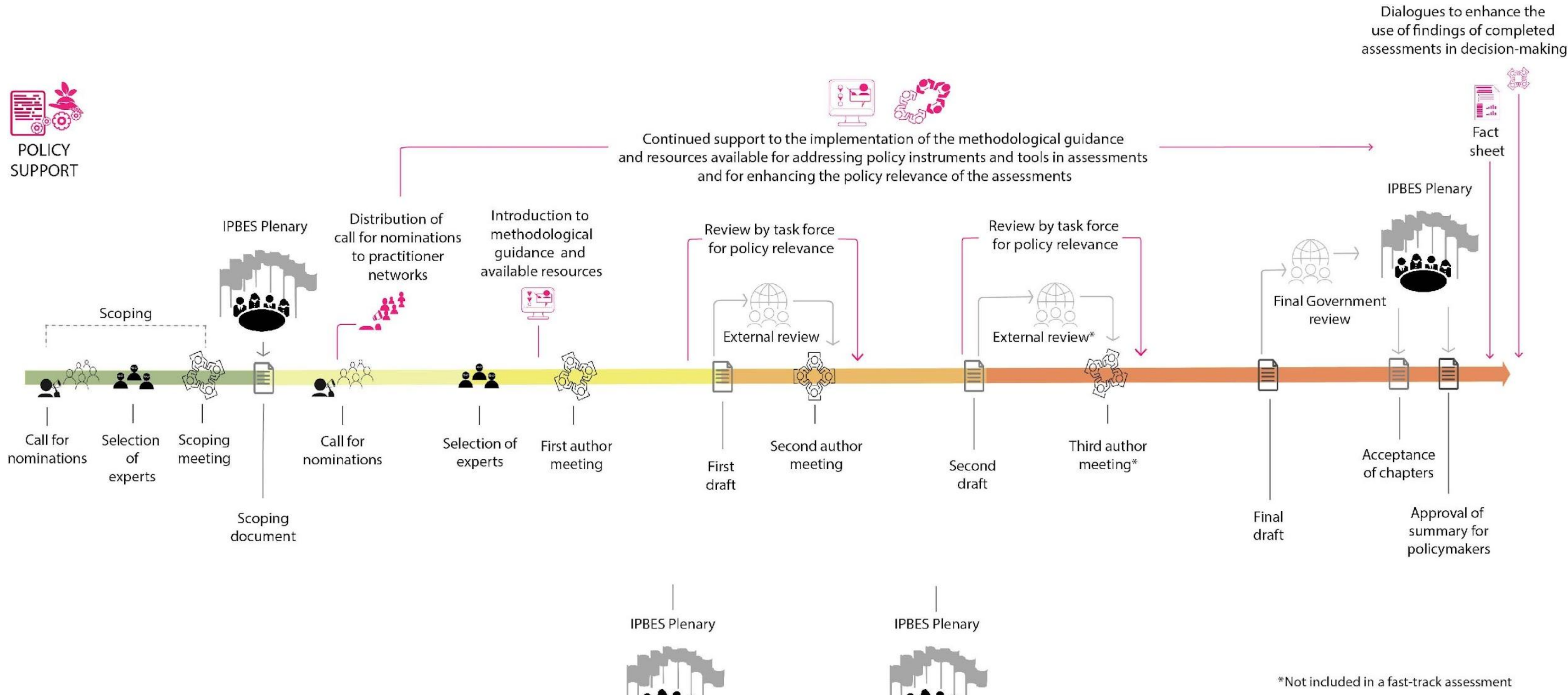


The work of IPBES is grouped around four complementary functions:

- To perform assessments of knowledge (synthesis & critical evaluation of available knowledge)
 - On specific themes
 - On methodological issues
 - At both regional and global levels
- To support policy formulation and implementation
 - Identify policy-relevant tools and methodologies
 - Facilitate their use & catalyse their future development
- To build capacity
 - Identify and meet capacity needs of IPBES Members, experts & stakeholders
- To identify and prioritize key scientific gaps and catalyse efforts to generate new knowledge
 - Identify and communicate gaps in knowledge, and catalyse efforts to fill gaps



IPBES consolidates scientific evidence at the request of governments



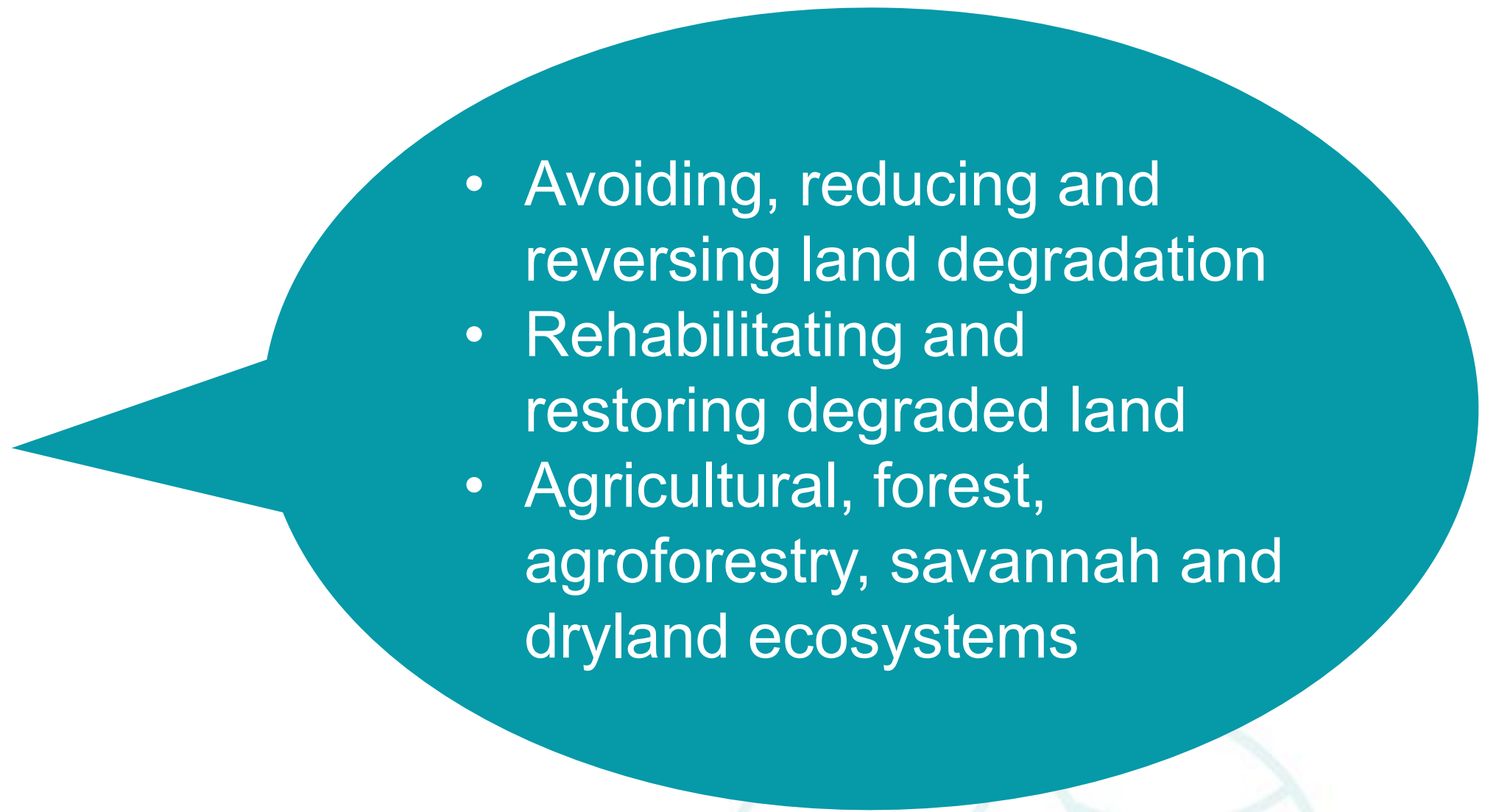
Science-policy work is needed at all levels





Environmental challenge of land

restoration started in 2015

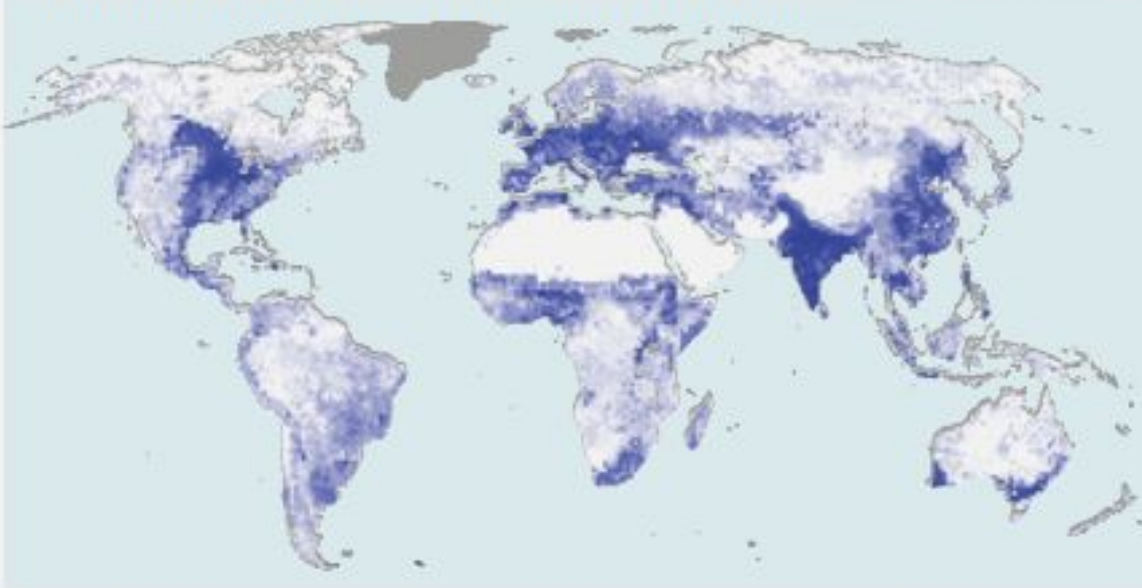


ipbes

Land degradation is pervasive and systemic



a Human appropriation of production of biomass



Percent of potential NPP (Appropriated for human use in 2000)

0% 20% 40% 60% 80% 100% No data

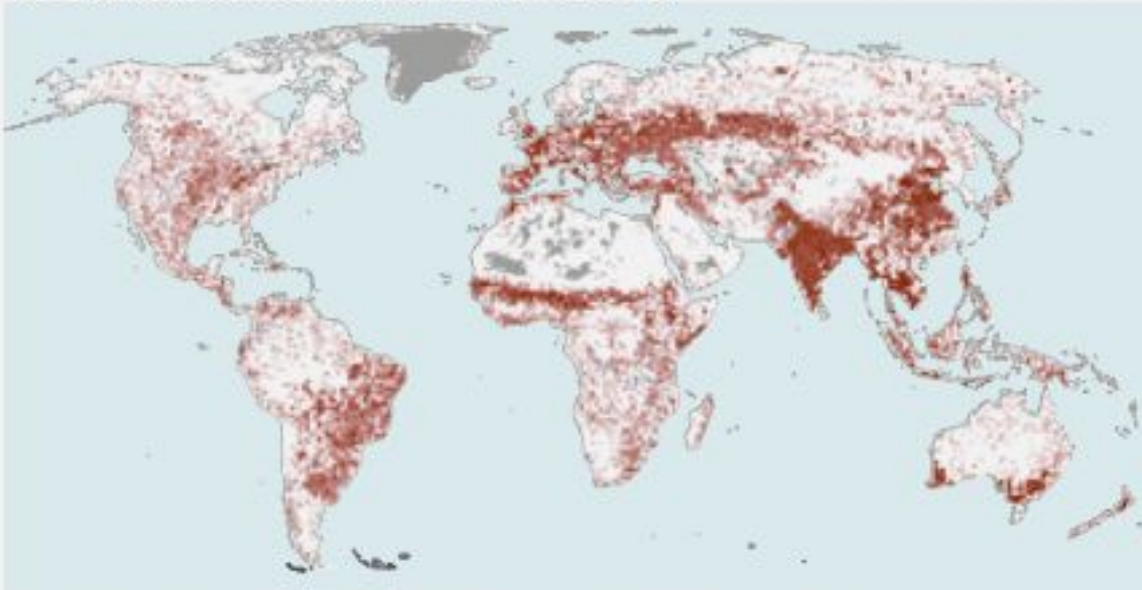
c Wilderness area



Remaining areas of wilderness in 2009
(23.2% of total land area)

No data

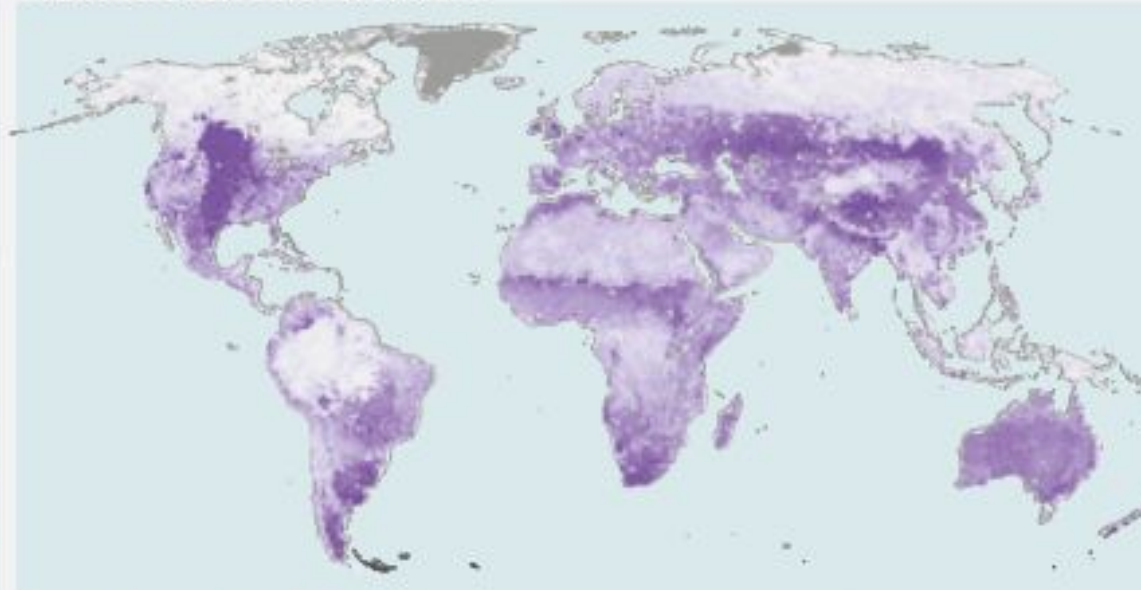
b Change in soil organic carbon (SOC)



Percent change in soc from original condition to 2010

-80% -60% -40% -20% 0% Increase No data

d Loss of species richness



Percent of species lost from original condition to 2005

-100% -80% -60% -40% -20% 0% No data



Key messages include

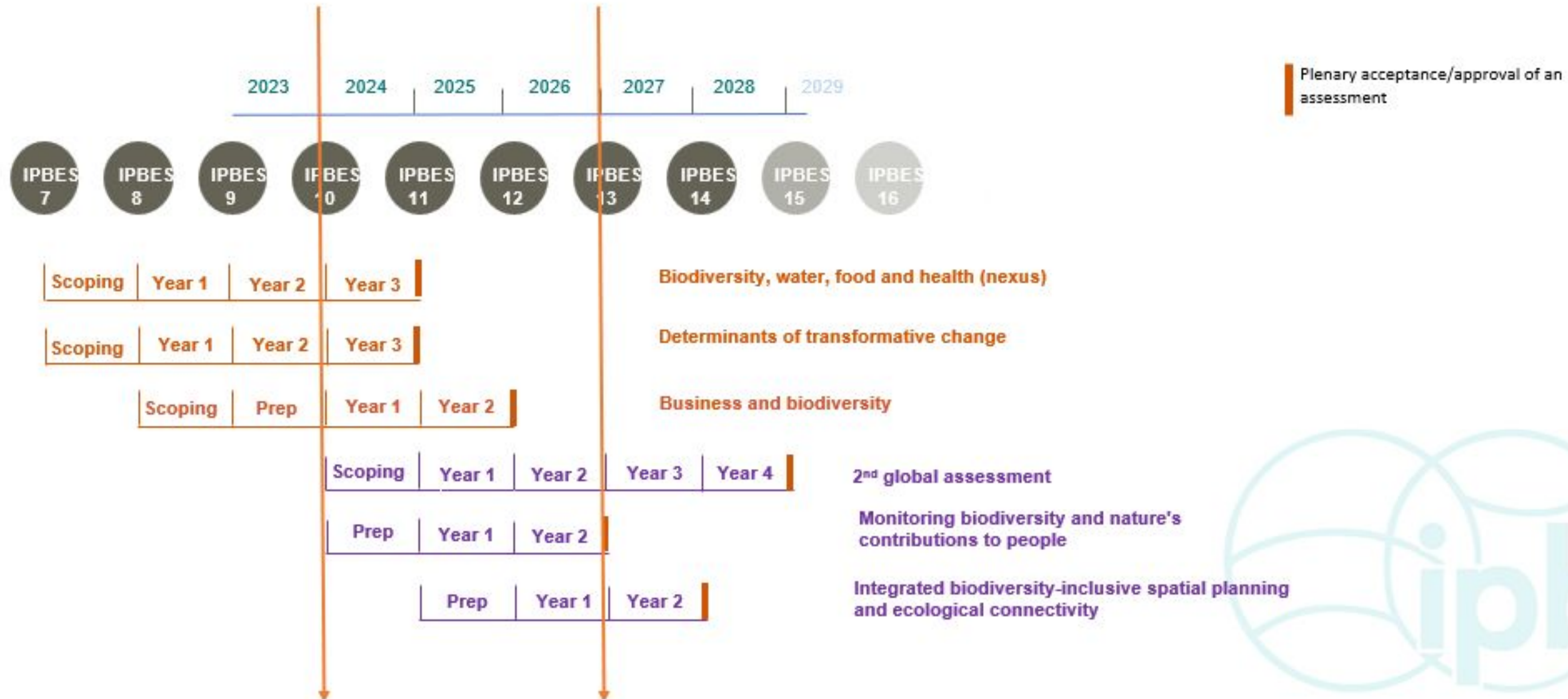


- **Land degradation is a pervasive, systemic phenomenon**
- **Without urgent action land degradation will worsen**
 - Fragmented institutional, policy and governance responses
- **Change is needed now**
 - Building on existing multilateral environmental agreements
 - Making relevant, credible and accessible information available
 - Coordinating policy agendas
 - Eliminating perverse incentives
 - Integrating agricultural, forest, energy, water and infrastructure
 - Reducing environmental impacts of urbanization





Indicative timeline up to 2030 for ongoing and future IPBES assessments

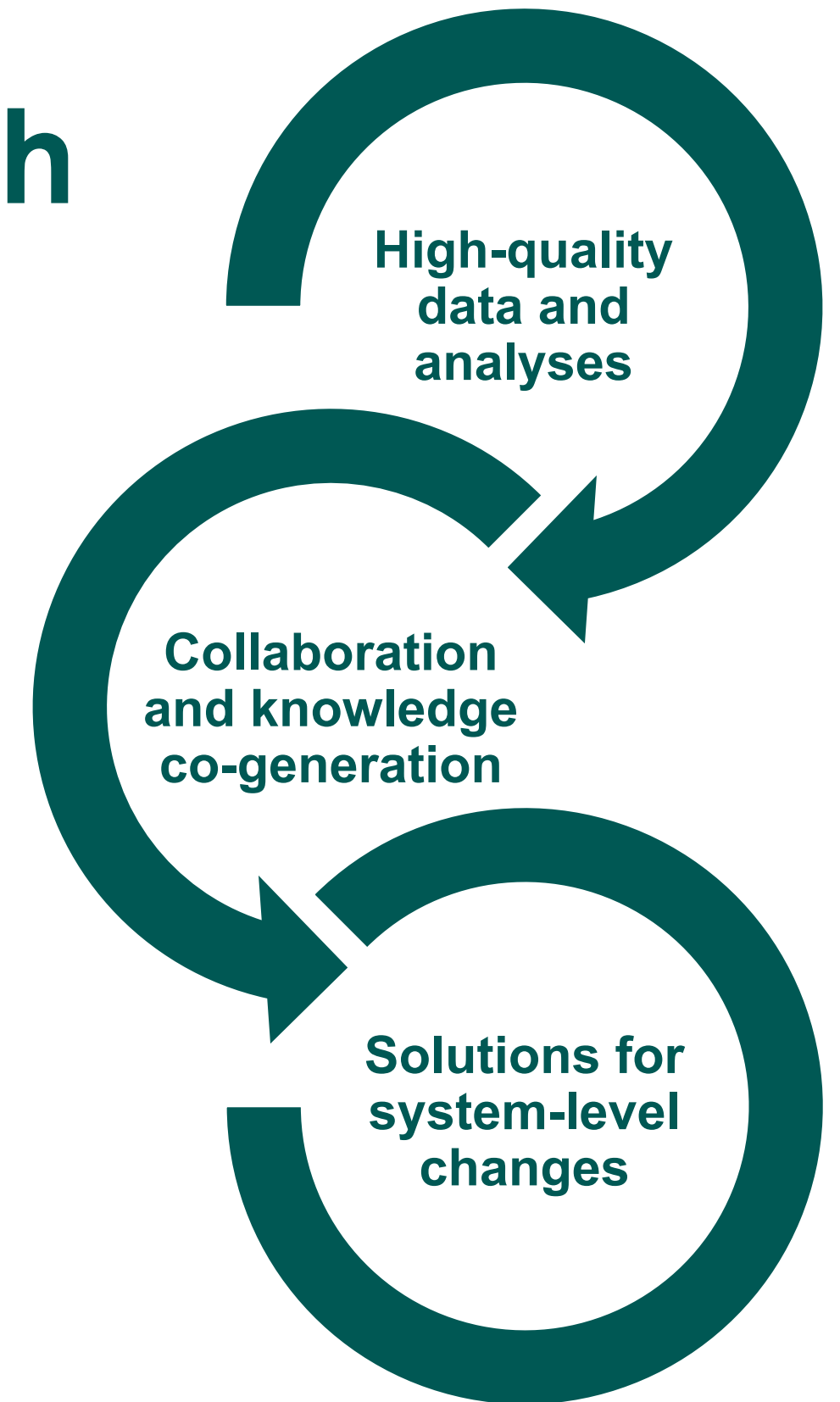


The Finnish Environment Institute, Syke

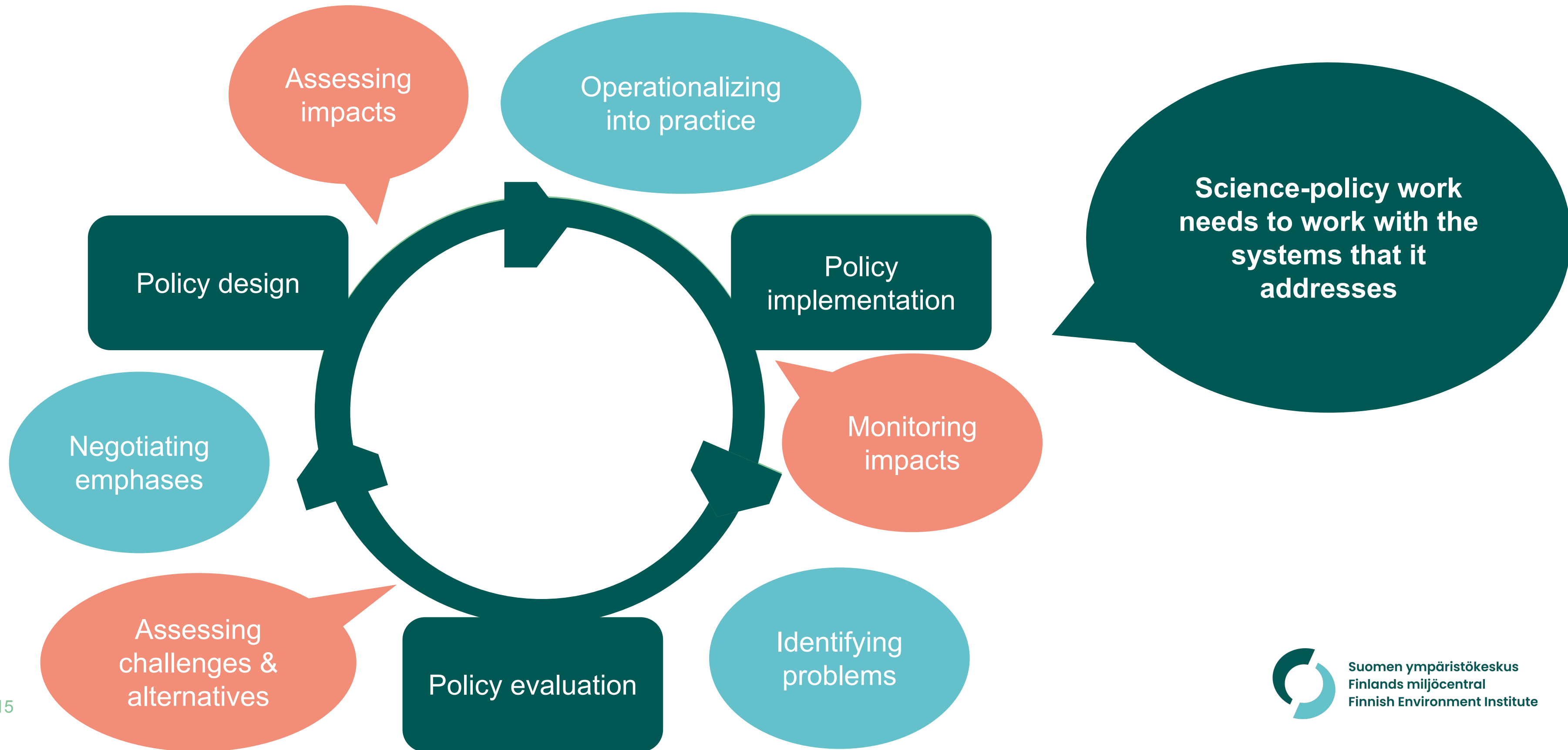
Syke supports the building of a sustainable society with research, information and services.



Syke builds hope through research



Science can meet policy at different points



Science-policy at multiple levels should be predictable, yet adaptive

- Cyclical, cumulative
- Active brokering and boundary work
- Predictable and transparent frameworks, platforms, methods
- Windows of opportunity and ad hoc
- **Always human interaction, ideally systemic**



Thank you and congratulations to Alternet!



Eeva Primmer, Finnish Environment Institute, IPBES

futureearth
Research, Innovation, Sustainability

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