



The state of science and knowledge & what comes next

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Food and Agriculture
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What is IPBES?

- Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services
- **Overall objective:** To provide policy relevant knowledge on biodiversity and ecosystem services to inform decision making
- Established in April 2012, Panama
- 130 Members (+ more to join!)
- Secretariat hosted in Bonn, Germany



The 4 functions of IPBES

- **IPBES was established with four agreed functions:**

• Assessment	Deliver global, regional and thematic assessments, and promote and catalyse support for sub-global assessment
• Policy support tools	Identify policy relevant tools/methodologies, facilitate their use, and promote and catalyse their further development
• Capacity building	Prioritize key capacity building needs, and provide and call for financial and other support for priority needs
• Knowledge generation	Identify knowledge needs of decision and policymakers, and catalyse efforts to generate new knowledge

The 1st work programme of IPBES (2014-2018)

Achievements to date

- **Assess knowledge** (synthesis & critical evaluation of available knowledge)
 - Pollinators, pollination and food Production (2016)
 - Land degradation and restoration (2018)
 - Sustainable use of wild species (2021)
 - Invasive alien species (2022)
 - Scenarios and models (2016)
 - Values (2021)
 - 4 Regional assessments of Biodiversity and Ecosystem Services (2018)
 - Global assessment of biodiversity and ecosystem services (2019)****
 - **Support policy**
 - Identify policy-relevant tools and methodologies
 - Facilitate their use & catalysing their future development
 - **Build capacity**
 - Identify & meet priority capacity needs of IPBES Members, experts & stakeholders
 - **Catalyse the generation of new knowledge**
 - Identify gaps in knowledge and catalyse new research
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What is NEXT? Next work programme of IPBES: the process

- Requested by IPBES 6 (March 2018)
 - Expected to be approved at IPBES 7 (April/May 2019)
 - Based on requests from Governments, multilateral environmental agreements and other stakeholders
 - Designed up to 2030, but as a flexible mechanism: multiple calls for requests
 - Expected to inform implementation of:
 - the 2030 Agenda for Sustainable Development, including the Sustainable Development Goals;
 - the biodiversity-related conventions and other biodiversity and ecosystem services processes.
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Next work programme of IPBES: requests

- A call for requests, inputs and suggestions for this 2nd IPBES work programme was issued in mid July 2018 with a deadline of 30 September 2018
 - 80+ requests received from:
 - Governments
 - MEAs
 - Other stakeholders
 - Requests prioritised by Multidisciplinary expert panel (October 2018)
 - Next steps:
 - Receive final requests from CBD COP 14 (CBD/COP/14/2 - ITEM 16 Second work programme of the IPBES)
 - Consultation of governments and other stakeholders end of 2019 on the larger strategic objectives of IPBES
 - Finalisation of draft work programme for IPBES 7
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Next work programme of IPBES: possible deliverables - **DRAFT**

Assessing knowledge:

- **Nexus assessment** on preserving life on land (SDG 15) and below water (SDG 14) while ensuring zero hunger (SDG 2), clean water (SDG 3), good health and well-being for people (SDG 6), and climate action (SDG 13);
 - **Global assessment of biodiversity and ecosystem services, with an integrated regional component**, to be released close to 2030.
 - Assessment of the **behavioural, social, economic, institutional, technical and technological determinants of transformative change**, to achieve the 2050 Vision for Biodiversity while achieving the SDGs;
 - Fast track assessment of the **criteria, metrics and indicators of the impacts of productive sectors** on biodiversity and ecosystem services;
 - Technical paper on **synergies and trade offs between the need to protect biodiversity and to mitigate climate change**, derived from the reports published by IPBES and IPCC.
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Next work programme of IPBES: possible deliverables

Additional deliverables:

- Building capacity
 - **Mobilising knowledge**
 - Supporting policy formulation and implementation
 - Implementing the IPBES approach to recognize and work with indigenous and local knowledge
 - Performing work on scenarios and models for biodiversity and ecosystem services
 - Strengthening the work on multiple values of nature and its contributions
 - Communicating
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Knowledge Generation

- **IPBES mandate:** Reviewing the knowledge needs and gaps identified through Platform scoping processes and assessments and to catalyse the generation of new knowledge and data, in convening dialogues with scientific organizations, policymakers and funding organizations and in undertaking other activities to address those needs identified in the work programme
- but not directly undertake new research

IPBES/5/5, including the following three steps:

- 1) **Identification of gaps in knowledge**, information and data in the IPBES work programme, and in completed assessments;
- 2) **Consultation on these gaps** and the formulation of priority areas for knowledge generation with the scientific community and stakeholders;
- 3) **Tailoring of these priority research areas to potential research-funding institutions** and their communication to these funding organizations, mainly by means of bilateral meetings.

Knowledge Generation – SCENARIOS

The 1st workshop on scenario development for IPBES (Germany) ‘Multi-scale scenarios for nature and nature’s contributions to people’ which presents a way forward for IPBES scenario development.

Rosa et al. (2017) Multi-Scale Scenarios for Nature Futures. *Nature Ecology & Evolution*, 1, 1416-1419.

A workshop on “New visions for nature and nature’s contributions to people for the 21st century” on 4-8 Sept. 2017 in Auckland, New Zealand.

- 73 participants with a diversity of views on nature and its contributions to people from international organizations, governments, the private sector, indigenous and local communities, non-governmental organizations and the wider scientific community from the local to global scale.
- **CONTINUE** to support and catalyze the ongoing development of new scenarios based on the workshop in New Zealand (above)

The latter includes:

- 1) broader stakeholder consultation to further elaborate the visions and storylines
- 2) analyzing the storylines with models, experts and additional knowledge in order to construct scenarios based on the visions and on science and ILK; and
- 3) iterations between the scenario outcomes and the participating stakeholders.



1. IPBES Stakeholder Engagement

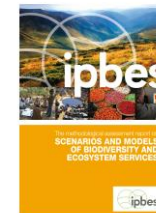
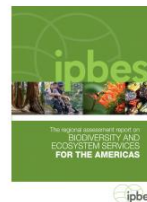
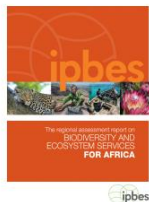
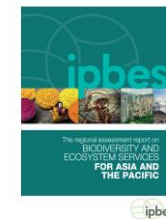
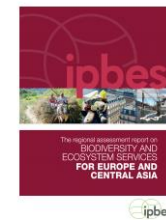
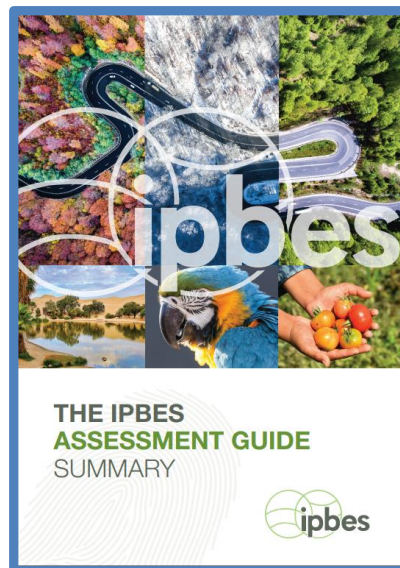
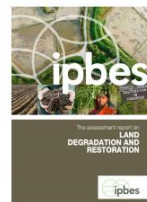
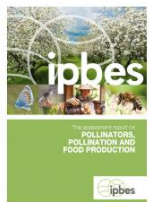
Who are IPBES stakeholders?

- All individual scientists and knowledge holder, as well as institutions, organizations and groups that can:
 - Contribute to the IPBES work programme through their experience, expertise, knowledge, data, information and capacity-building experience;
 - Use or benefit from the outcomes of the IPBES work programme; and/or
 - Encourage and support participation of others to do so.



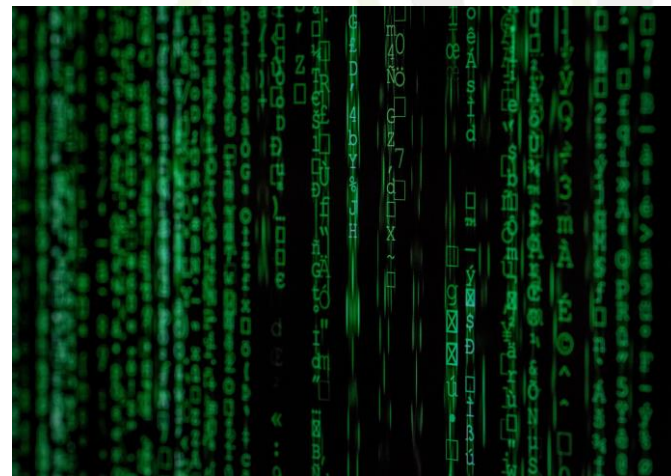
How can stakeholders engage with IPBES?

- **Contribute to IPBES assessments**
 - As **authors, Fellows, reviewers** etc. – CURRENT CALL FOR EXPERTS ON INVASIVE ALIEN SPECIES
 - Very specific nomination and selection process, including opportunities to contribute to **peer review**.
 - For more information, check out the summary of the IPBES Guide to Assessments: <http://bit.ly/2QRCnZX>



How can stakeholders engage with IPBES?

- Contribute to the work of IPBES task forces
 - Capacity-building
 - Indigenous and local knowledge
 - Knowledge and data



How can stakeholders engage with IPBES?

- Support our work on communications/outreach/uptake
 - Join the IPBES social media dialogue (Twitter, Facebook, Instagram, LinkedIn and YouTube)
 - Promote and share IPBES calls, vacancies & publications
 - Assist with impact tracking: www.ipbes.net/impact-tracking-view
 - Contribute translations/proof-reading in UN languages and beyond
- Join/form a network of IPBES stakeholders
 - E.g. The Open-ended Network of IPBES Stakeholders
 - Online collaboration/community space on the IPBES website
- Participate in annual IPBES Stakeholder Day
 - Help organize and run the event
 - Attend in person or via live webcast

Register Today!

www.ipbes.net/stakeholders



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Thank you!

CBD/COP/14/2 - Item 16. Second work programme of the Intergovernmental Platform on Biodiversity and Ecosystem Services + ANNEX

Notes that the strategic framework up to 2030 and elements of the rolling work programme of the IPBES is expected to be relevant to:

- For CBD: post-2020 global biodiversity framework and will contribute to supporting its implementation and assessing progress
- 2030 Agenda for Sustainable Development (17 SDGs)
- the Paris Agreement on Climate Change
- other biodiversity-relevant processes

Section I:

- Para b) **future global assessment**, including consideration of a single assessment that integrates the regional and global components
 - Para c) There is a strong need to further enhance cooperation with the Intergovernmental Panel on Climate Change - promoting coherence between the scenarios and related assessments prepared in the context of **biodiversity and climate change**
 - Para d) scenarios and models to assess pathways towards, and the **transformational change** required for a sustainable future
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CBD/COP/14/2 - Item 16. Second work programme of the Intergovernmental Platform on Biodiversity and Ecosystem Services + ANNEX

Notes that the strategic framework up to 2030 and elements of the rolling work programme of the IPBES Section II

Para a) the **behavioural, social, economic, institutional, technical and technological determinants of transformational change**

Para b) develop a multi-disciplinary approach to understand the interactions of the direct and indirect drivers of biodiversity loss

Para c) the **nexus of biodiversity, food and water, agriculture and health and nutrition, forestry and fisheries**, considering trade-offs among these areas and related policy options regarding sustainable production and consumption, pollution and urbanization, including implications for energy and climate

Para (d) methodological assessments on the effectiveness of **various policy instruments** and policy and planning support tools for understanding on how to achieve **transformational change**

(e) The **potential positive and negative impacts of productive sectors** and undertake a **methodological assessment of the criteria, metrics and indicators of the impacts of productive sectors on biodiversity and ecosystem services**
