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EXPERT MEETING ON SEEA INDICSTORS FOR SDGs and post-2020 AGENDA FOR BIODIVERSITY

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Part I About IPBES

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
- 132 Members
- Secretariat hosted in Bonn, Germany

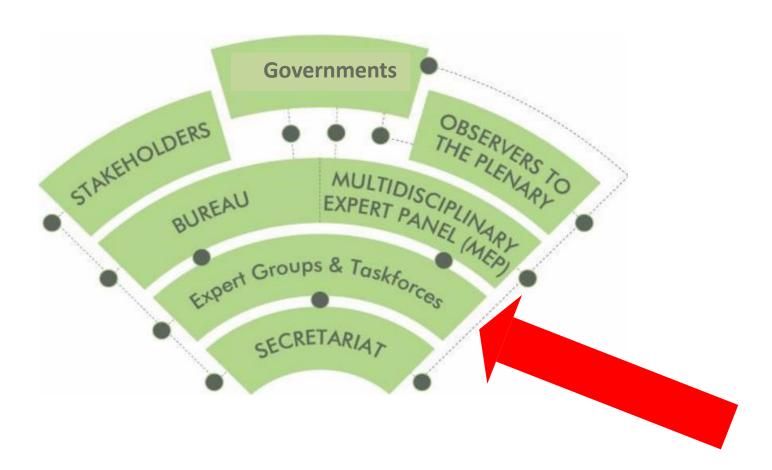


The 4 functions of IPBES first work programme

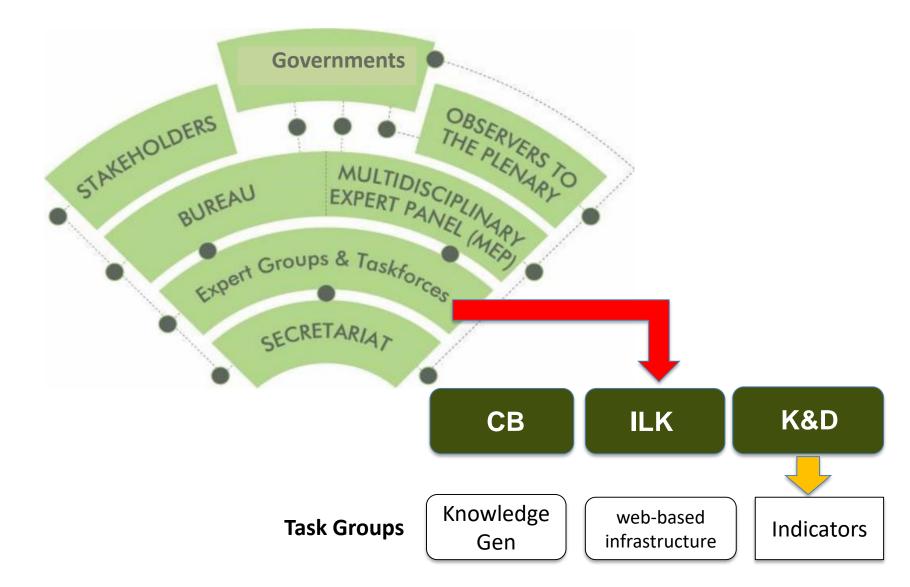
IPBES was established with four agreed functions:

•	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

How is IPBES structured?



How is IPBES structured?



Part II About IPBES Indicators

2015 – IPBES/4/INF/7 Appendix V Draft shortlist of indicators for IPBES regional assessments

Name	Chapter of regional assessments	Aichi Target (AT)
Ratification status of the Nagoya protocol	2	AT 16
Ocean Health Index	2	AT 14
Red List Index	2, 3	AT 12, 14
Wetland Extent Trends Index	3	AT5
Protected area management effectiveness	3	AT 11
Coverage of protected areas	3	AT 11
Species Habitat Index	3, 4	AT 5, 12
Species Protection Index	3, 6	AT 11
Trends in numbers of invasive alien species Introduction events	4	AT 9
Marine Trophic Index	4	AT 6
Nitrogen Surplus	4	AT8
Water Footprint	4	AT4
Index of Linguistic Diversity	6	AT 18
Species Distribution Information Index	6	AT 19
Marine stewardship council certified fishery tonnage and improvements	6	AT 6
Area of forest under sustainable management certification	6	AT 7

Process

- TG: mandate to advise on the indicators and metrics to be used in IPBES products and on the standards necessary for capturing and managing associated data
- Symposium on biodiversity assessment and support for IPBES (2016 Switzerland) – organized by FE clusters "Global Biodiversity Assessment and Monitoring, Prediction and Reporting" and "Support for IPBES"
- Feedback on IPBES indicators from: Ad Hoc Technical Expert Group on Indicators under the CBD, the BIP, IPCC, the National Oceanic and Atmospheric Administration (USA) etc.



Criteria

- 1. Relevance for IPBES framework
- 2. global coverage
- 3. disaggregation to IPBES regional or sub-regional scales
- 4. geographic representativeness
- 5. taxonomic representativeness (if applicable)
- 6. spatial explicitness
- 7. comparability across regions
- 8. regular and recent updating
- 9. comparability with future projections
- 10. broad acceptance
- 11. scientific or institutional credibility
- 12. Transparency
- 13. Sensitivity
- 14. timing of the availability of the indicator
- 15. Accessibility
- 16. available institutional support

Definitions

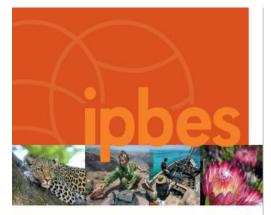
Since the IPBES-4, the task group has finalized the identification of a list of 30 core indicators and 42 highlighted indicators

- (a) a list of core indicators, which authors are urged to use (in addition to other indicators or data sources they may choose) in their work;
- (b) a list of **highlighted indicators**, which authors may be interested in using, but with no expectation regarding their consistent use in the assessments.

Each indicator has a factsheet – which contain descriptive and technical information on indicators with reference materials

Aichi Target	Specific Indicator	DPSI R ¹	CF ²	GA Ch	RA Ch	LDRA Ch	Origin ³	BIP 4	Source
4	Ecological Footprint	Р	DD	2,3,4	4	3	CBD	В	Global Footprint Network
4	Water Footprint (Human appropriation of fresh water)	Р	DD	2,3,4	4	3	CBD		Water Footprint Network
4	Percentage of Category 1 nations in CITES	R	IGID	2,3,6	4,6		CBD	BP	Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
5	Biodiversity Habitat Index	S	DD, BEF	2,3,4	3,4	4	CBD		GEO BON - CSIRO
5, 12	Species Habitat Index	P,S	DD, BEF	2,3,4	3,4	4	CBD		GEO BON - Map of Life
5	Forest area as a percentage of total land area	S	DD, BEF	2,3,4	3,4	4	CBD	В	FAO
5	Trends in forest extent (tree cover)	S	DD, BEF	2,3,4	3,4	4	CBD		Hansen et al., 2013
5, 7, 14	Total wood removals	S,I	DD, NBP	2,3,4,5	2,4,5	5	Future Earth	BP	FAO
6	Trends in fisheries certified by the Marine Stewardship Council	R	IGID	2,3,4	3,4		CBD		Marine Stewardship Council
6	Estimated fisheries catch and fishing effort	Р	DD, BEF	2,3,4	3,4		CBD		Sea Around Us
6	Proportion of fish stocks within biologically sustainable levels	S	BEF	2,3	3		CBD	В	FAO

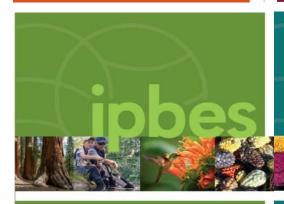
Part III The Global Assessment



The regional assessment report on BIODIVERSITY AND ECOSYSTEM SERVICES FOR AFRICA

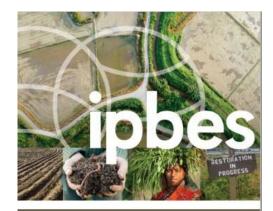


The regional assessment report on BIODIVERSITY AND ECOSYSTEM SERVICES FOR EUROPE AND CENTRAL ASIA



BIODIVERSITY AND ECOSYSTEM SERVICES
FOR THE AMERICAS





The assessment report on LAND DEGRADATION AND RESTORATION



Indicator	IPBES Core Indicator
number	
13	Protected Area Coverage - Terrestrial and Marine
4	Ecological Footprint
14	Protected Area Coverage - Key Biodiversity Area
1	Total Wood Removals
17	FSC/PEFC Certified Forest Management Area
20	Forest Area (% of Total Land)
25	Red List Index*
5	Water Footprint
9	MSC Certified Catch
18	Countries with NBSAP
16	Protected Area Management Effectiveness
7	Nitrogen Deposition Trends
6	Biodiversity Intactness Index
11	Trends in Pesticide Use
15	Protected Area Connectedness
24	Inland Fishery Production
8	Nitrogen Use Efficiency
3	Percentage of undernourished people
19	Species Protection Index
22	Trends in forest extent (tree cover)
10	Nitrogen + Phosphate Fertilizers
12	Species Status Information Index
21	Biodiversity Habitat Index
26	Species Habitat Index
23	Marine Trophic Index
28	Percentage of Category 1 nations in CITES
27	Proportion of fish stocks within biologically sustainable levels
30	Proportion of known species assessed through the IUCN Red List
29	Estimated fisheries catch and fishing effort
2	Proportion of local breeds
	1 Toportion of local breeds

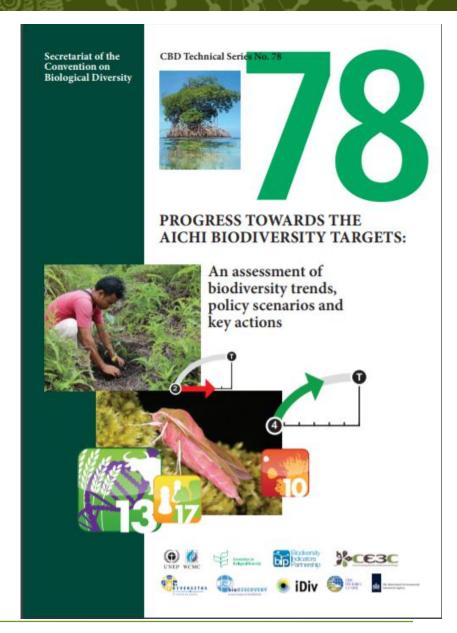
The Global Assessment

- 1 Introduction and Scene Setting
- 2 Status and Trends: Nature, NCP and Drivers
- 3 Assessing progress towards SDGs, Aichi Biodiversity targets and other international biodiversity-related goals/targets
- 4 plausible futures of nature, nature's benefits to people and their contributions to a good quality of life
- 5 scenarios and pathways towards a sustainable future
- 6 opportunities and challenges for decision makers



CBD 2012 indicative list >150 potential indicators
Tittensor et al 2014 and GBO-4 used 55/150 of these indicators that met 5 criteria. This list of indicators was further considered and revised by the CBD COP in 2016 (see Decision XIII/28)

In order to assess progress (quantitative analyses) towards achievement of the Aichi Biodiversity Targets, authors expanded to include approximately 70 indicators – of which CORE indicators are included.

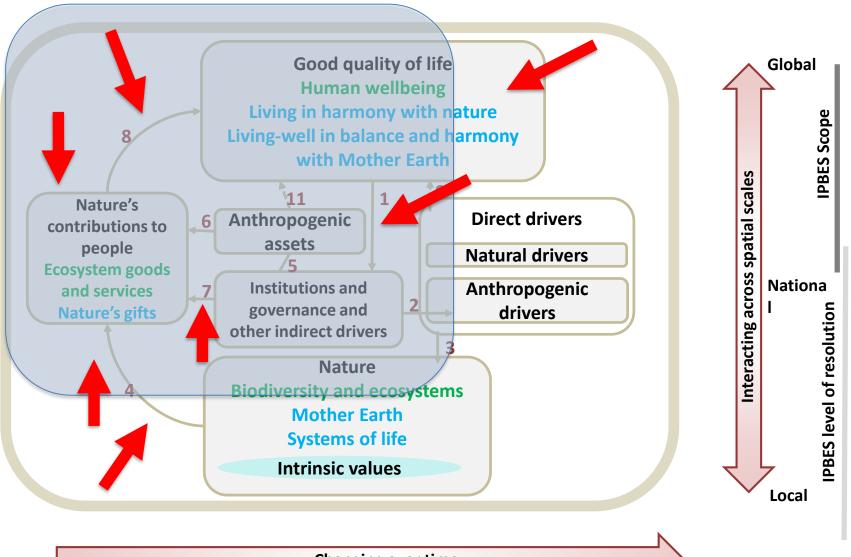


Part IV

Things to watch for ...

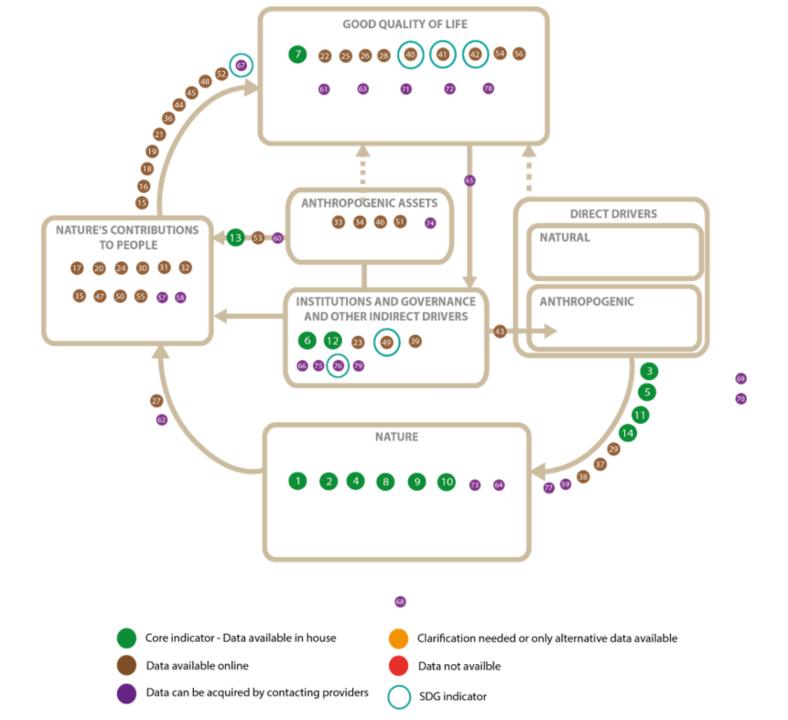
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IPBES Conceptual Framework



Changing over time

Baseline-Trends-Scenarios



a) The diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services (IPBES-9)

IPBES/6/INF/9

Four major objectives:

- 1. the diverse conceptualization of values of nature and its benefits, including biodiversity and ecosystem services
- 2. the diverse valuation methodologies and approaches
- 3. the different approaches that acknowledge, bridge and integrate the diverse values and valuation methodologies for policy and decision-making support
- 4. knowledge and data gaps and uncertainties
- b) Sustainable Use of Wild Species (IPBES-9)
- c) Invasive Alien Species (IPBES-10)



*The Summary for Policymakers of the Global Assessment *Next work programme of the Platform



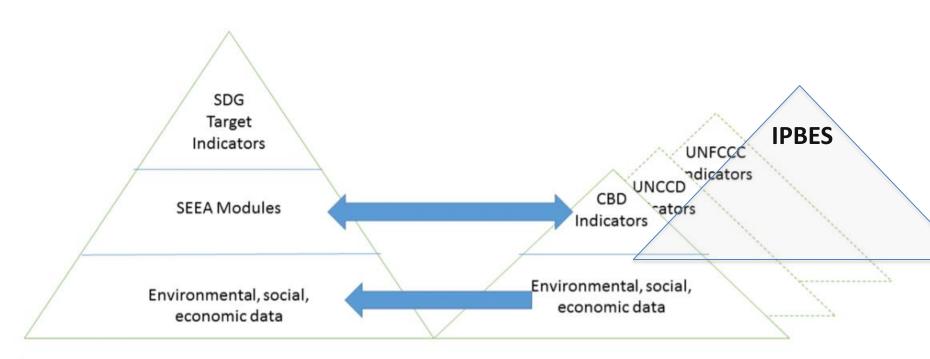


Figure 1: Structure of the analysis

Distinct output indicators fully aligned to SEEA

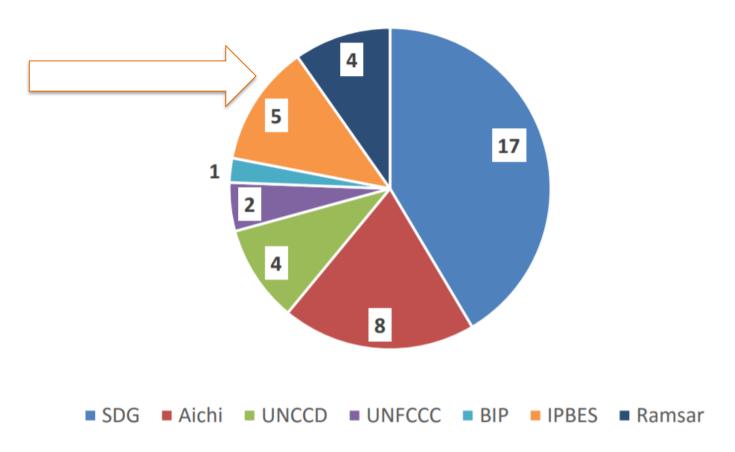


Figure 3: Distribution of distinct output indicators with full possibilities for alignment with the SEEA





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