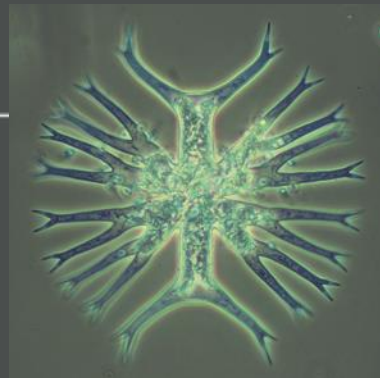


IPBES in the international science-policy landscape

Eva Spehn, GMBA & Swiss Biodiversity Forum
Anne-Hélène Prieur-Richard, DIVERSITAS



Outline

The landscape

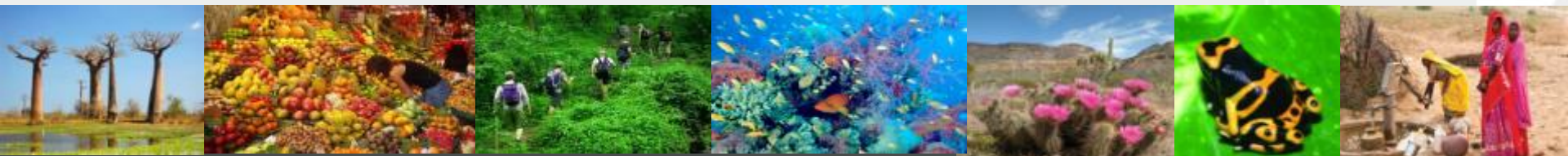
Role of Science

Role of Observation

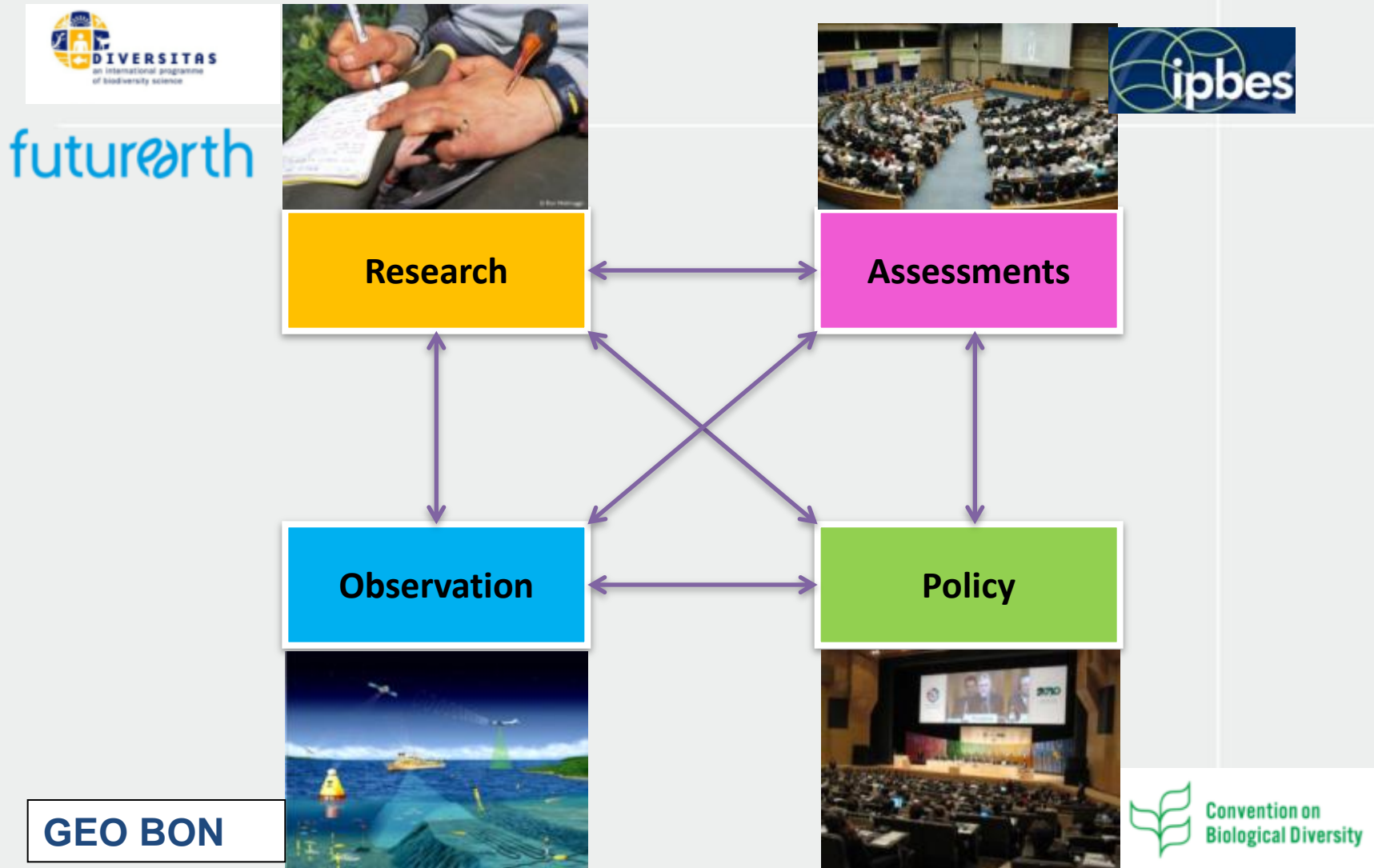
Role of Policy

Links to other assessments

DIVERSITAS



Biodiversity science-policy interface



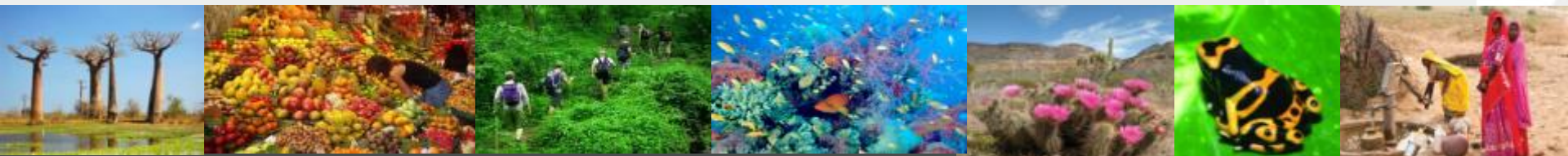
DIVERSITAS



- DIVERSITAS is an **international programme** dedicated to **biodiversity science**, under the auspices of:



- Missions:
 - To promote an integrative biodiversity science
 - To provide the scientific bases for the conservation & sustainable use of biodiversity



Science & Technology Alliance for Global Sustainability

BELMONT
FORUM



ICSU

International Council for Science



**UNITED NATIONS
UNIVERSITY**

futureearth
research for global sustainability

ISSC

international social science council



**United Nations
Educational, Scientific and
Cultural Organization**



**INTERNATIONAL GROUP OF
FUNDING AGENCIES FOR
GLOBAL CHANGE RESEARCH**



WMO
(observer)



futureearth

Building on the GEC programmes legacy



1980

1986

1991

1996

2001

2012

Rio + 20

GLOBAL
IGBP
CHANGE

International
Geosphere-Biosphere
Programme



IHDP

International Human Dimensions Programme
on Global Environmental Change



futureearth

Mission of Future Earth

- To provide societies with the knowledge required to face the risks posed by global environmental change and to **build global sustainability**
- To respond to some of the **societal challenges** such as
 - Feeding 9 billion people within sustainable planetary boundaries
 - Valuing and protecting ecosystem services & biodiversity
 - Adapting to a warmer & more urban world
 - Transitioning to low carbon societies
 - Providing income & innovation opportunities through transformations to global sustainability
- **New approach**
 - Integrated & interdisciplinary research
 - Co-design & co-production of knowledge



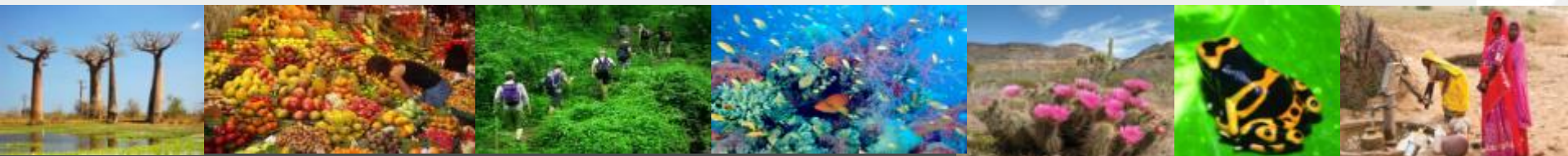
What does DIVERSITAS/Future Earth do ?



- Provides common international framework for collaborative research
- Builds scientific networks
- Think tank for new projects & ideas
- Performs scientific syntheses
- Guides and facilitate major global initiatives
- Represents scientific community in policy fora

DIVERSITAS adds value to national research

DIVERSITAS





Global Mountain Biodiversity Assessment

- Actively explores and synthesizes Mountain Biodiversity Research
- Link between Science and Policy: Convention on Biological Diversity, Millennium Ecosystem Assessment



Focus on cross- and intercontinental comparison of upper montane zones and elevational transects



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Office for the Environment FOEN

sc | nat 

Science and Policy

Platform of the Swiss Academy of Sciences

Swiss Biodiversity Forum

National platform of IPBES in Switzerland

- Coordination of IPBES activities in CH
- Expertise for Swiss delegation (position, plenary participation)
- Nomination of experts in IPBES as authors, reviewers
- Public relations, IPBES meetings & workshops

sc | nat 

Science and Policy

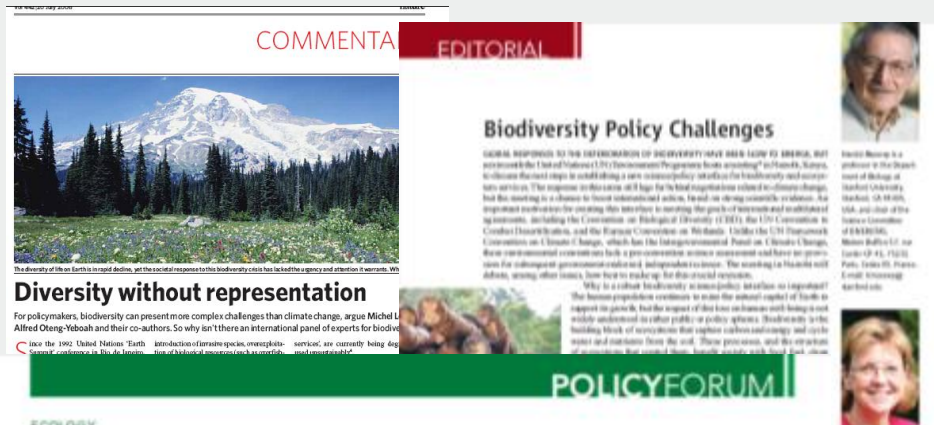
Platform of the Swiss Academy of Sciences

Swiss Biodiversity Forum

Frankfurt, 20. Januar 2014

Scientific community very supportive of IPBES (1)

- **Consultative process** (2005-2010): regional consultations, multi-stakeholder meetings, DIVERSITAS-ICSU-IUCN consultation
- **Mobilization of the scientific community**: publications in scientific journals, presentations & events in conferences



Scientific community very supportive of IPBES (2)

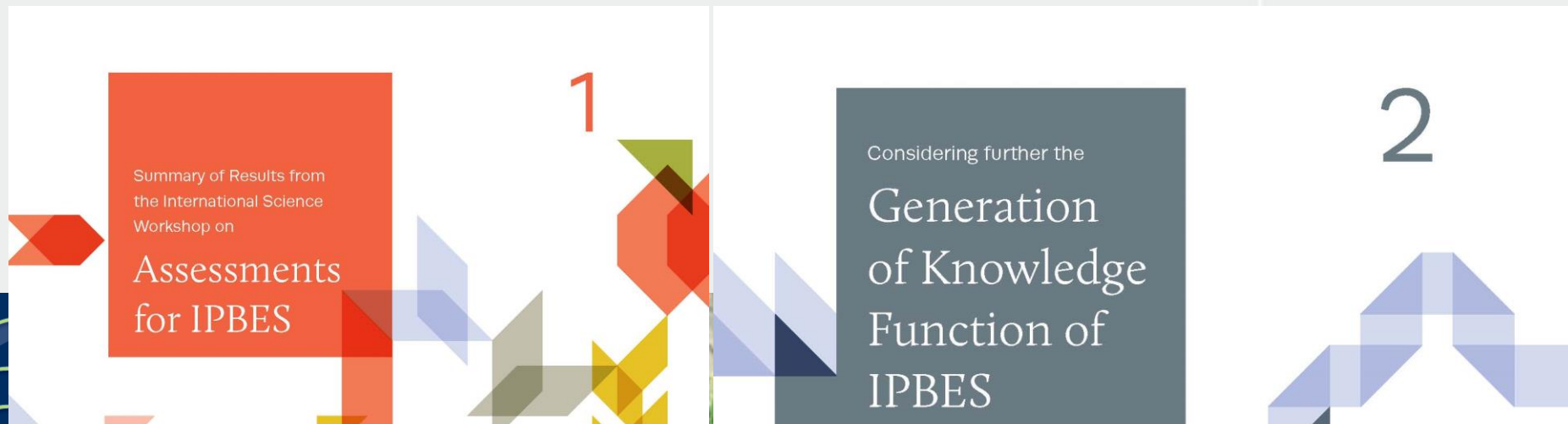
- Contribution to the formal process

- Establishment of the mechanism: Integration MA Follow-Up Initiative & IMoSEB
- Preparing for plenaries: Organise multi-partners workshops; Submit INF Docts & prepare input
- Representing the scientific community in governmental meetings (DIVERSITAS, IHDP, ICSU)
- Contribution to the negotiations
- Side events



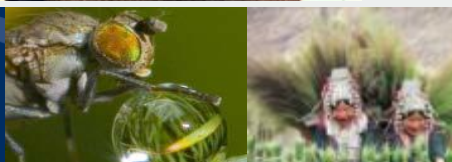
Scientific community very supportive of IPBES (3)

- Providing the science and conducting some activities for IPBES
 - Future Earth activities on Earth system modelling
 - bioDISCOVERY work on biodiversity scenarios
 - Providing the scientific perspective: experts workshops
 - Knowledge Generation Function (June 2011, Paris, France; Jan 2012, Annapolis, USA)
 - Assessment Function (July 2011; March 2012; Tokyo, Japan)
 - Conceptual framework (July 2012, Paris, France)

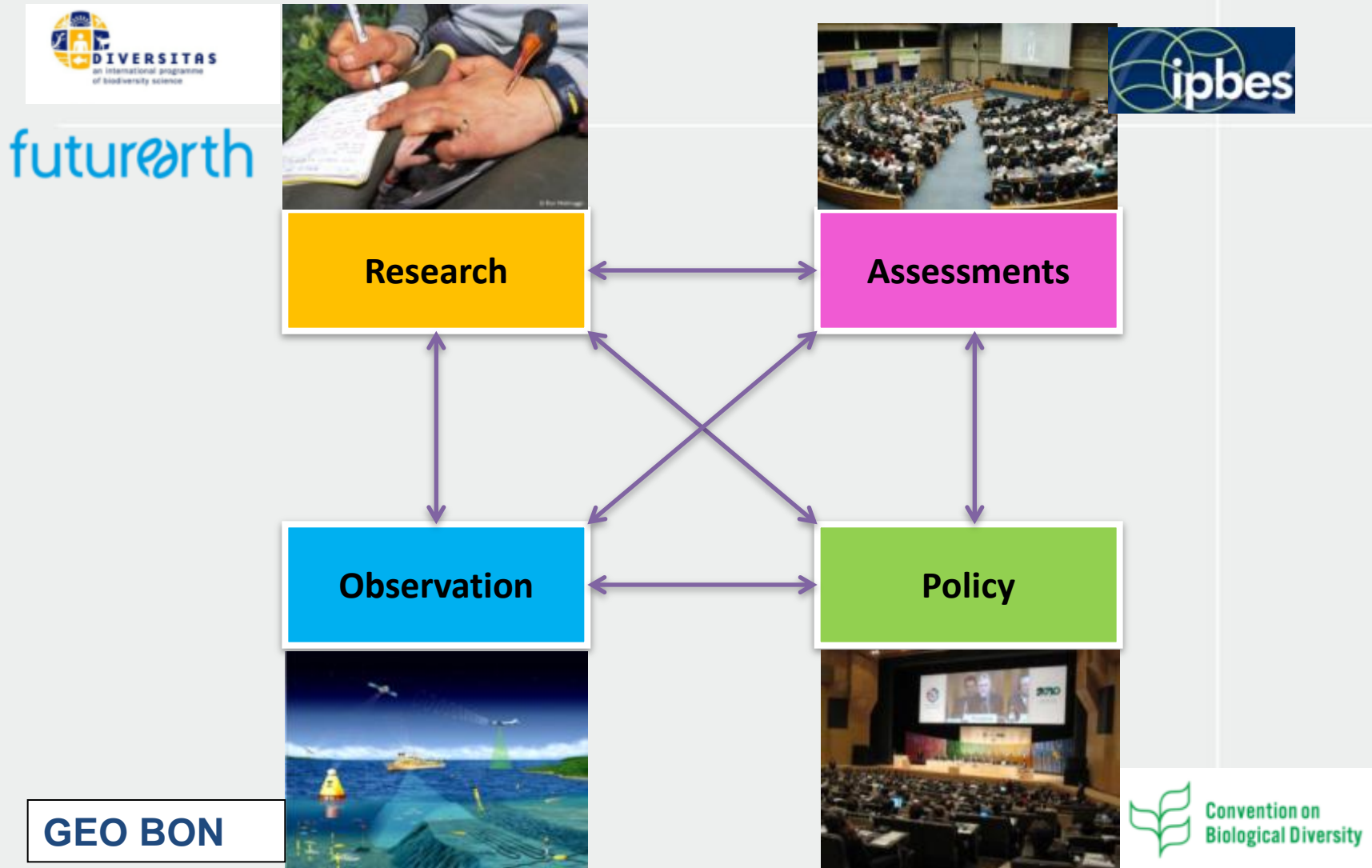


Scientific community very supportive of IPBES (4)

- Stakeholder engagement
 - Going beyond the DIVERSITAS community
 - Going beyond the scientific community
- Co-organisation of the Stakeholder days (plenaries)
- Developing the draft Stakeholder Engagement Strategy for the IPBES programme of work

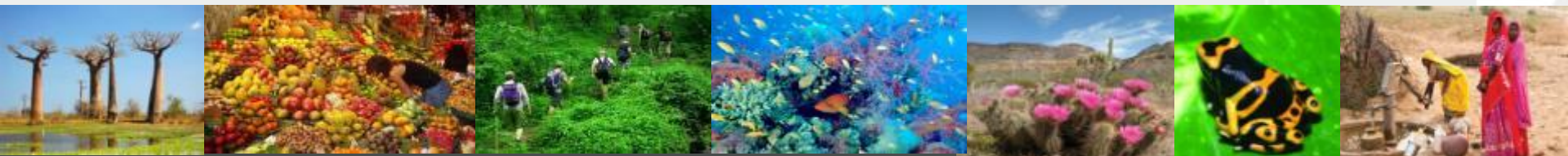


Biodiversity science-policy interface



Observation for IPBES

- Need to monitor long-term trends in biodiversity and ecosystem services
 - Research purposes
 - Modelling and scenarios analysis: predictions of future trends
- Important for future assessments (IPBES Task Force on data & knowledge)



Observation

The Group on Earth Observations (GEO)

GEOSS

- An Intergovernmental Organization with 86 Members and 61 Participating Organizations (2003)



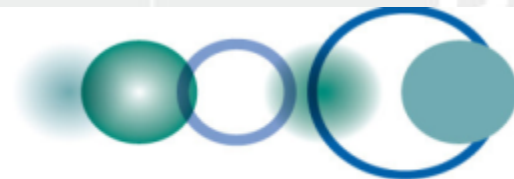
- DIVERSITAS & NASA in charge of biodiversity: GEO BON

GEO BON: GEO Biodiversity Observation Network



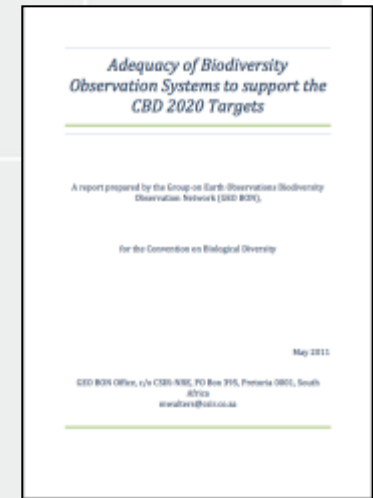
- Global partnership to help collect, manage, analyse and report data relating to the status of the world's biodiversity
- Vision: A coordinated global network that
 - Gathers and shares information on biodiversity,
 - Provides tools for data integration and analysis,
 - Contributes to improving environmental management and human well-being

DIVERSITAS

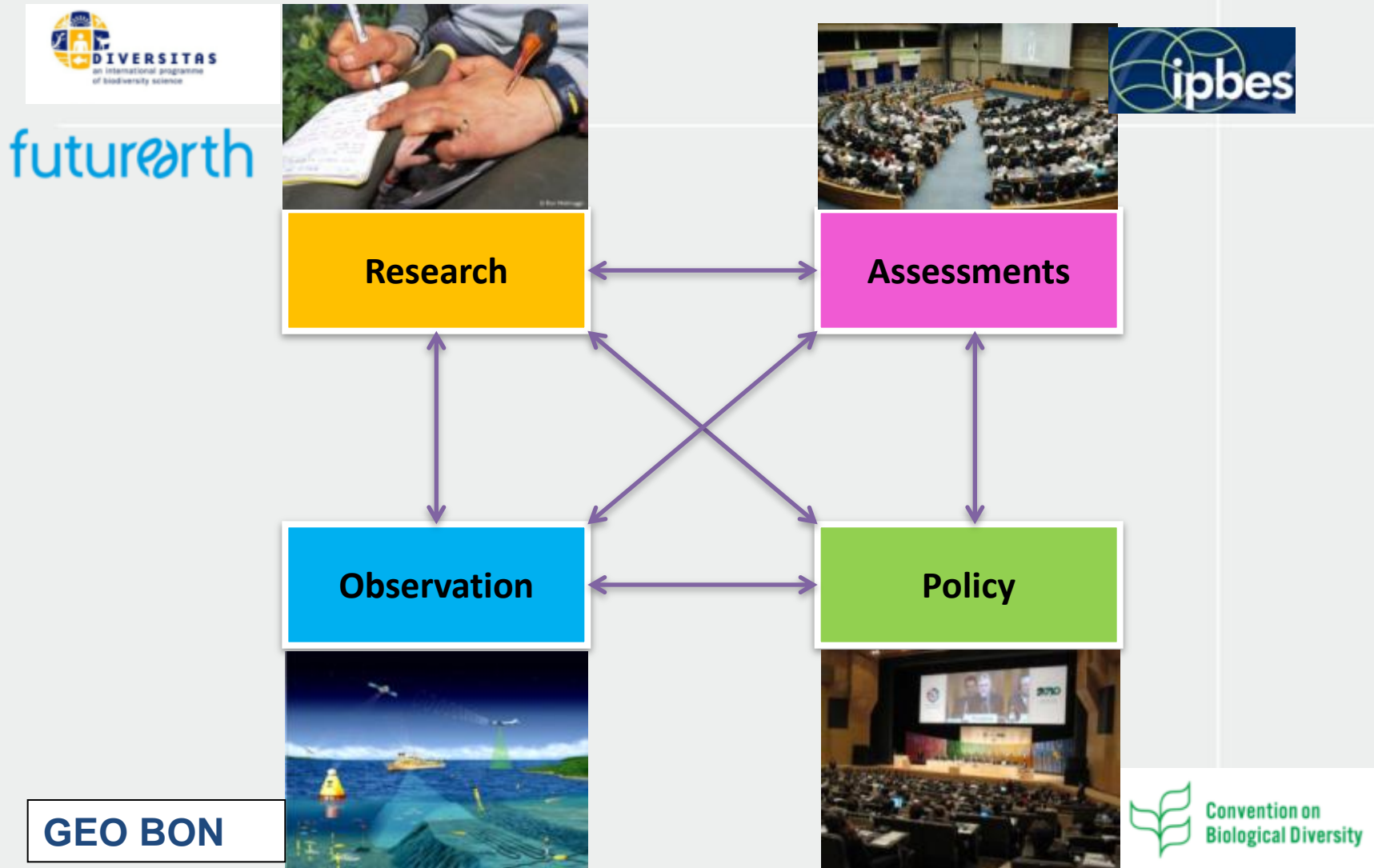


GEO BON relevant work for IPBES

- **Adequacy report** organized around the 20 <Aichi targets for 2020
- Definition of **Essential Biodiversity Variables**
 - A relatively small number of essential variables (16-18) are necessary to derive the CBD operational indicators (>100) for the 20 targets
 - Each essential variable talks to multiple indicators and targets and many indicators and targets are informed by multiple essential variables
 - Focus on primary measurements

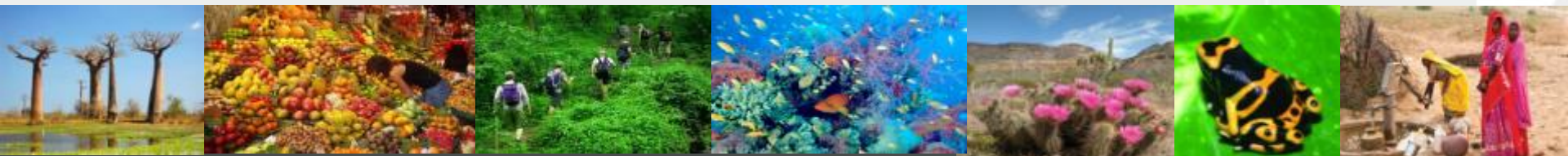


Biodiversity science-policy interface



End users of IPBES

- Respond to multiple policy fora/multilateral agreements
 - Related to biodiversity: Convention on Biological Diversity, Ramsar, CITES, etc.
 - Broader scope: Sustainable Developmental Goals, Convention of the Law of the Sea
 - UN organisations: UNEP, UNESCO, FAO, UNDP but also WTO, WHO
- IPBES outcomes to be used by observers to these fora (e.g. IUCN, WWF...)



CBD & IPBES



CBD



Convention on Biological Diversity

Distr.
GENERAL

UNEP/CBD/SBSTTA/18/12/Rev.1
28 April 2014

ORIGINAL: ENGLISH

SUBSIDIARY BODY ON SCIENTIFIC,
TECHNICAL AND TECHNOLOGICAL ADVICE

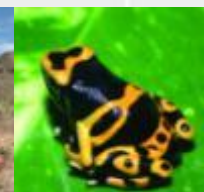
Eighteenth meeting

Montreal, 23-28 June 2014

Item 8 of the provisional agenda*

THE INTERGOVERNMENTAL SCIENCE-POLICY PLATFORM ON BIODIVERSITY AND ECOSYSTEM SERVICES

Revised note by the Executive Secretary



Outline

The landscape

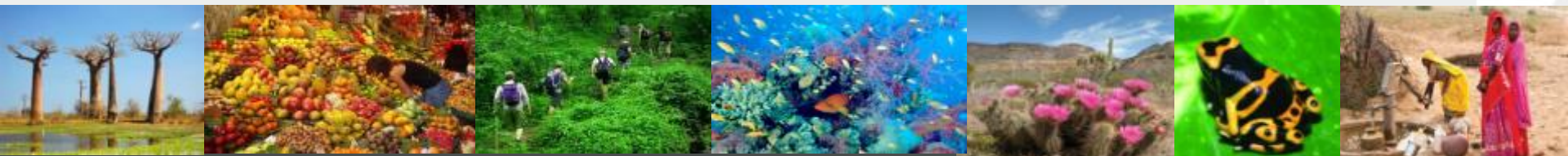
Role of Science

Role of Observation

Role of Policy

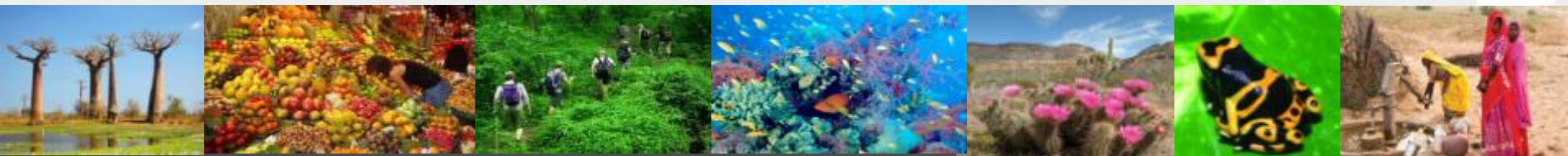
Links to other assessments

DIVERSITAS



Avoiding duplication & being relevant to other sectors

- Contribution to Global Environmental Outlook (UNEP)
- Complementing / sharing tasks
 - Global Biodiversity Outlook (CBD)
 - FAO
- Joint collaboration: IPCC, especially on modelling & scenarios



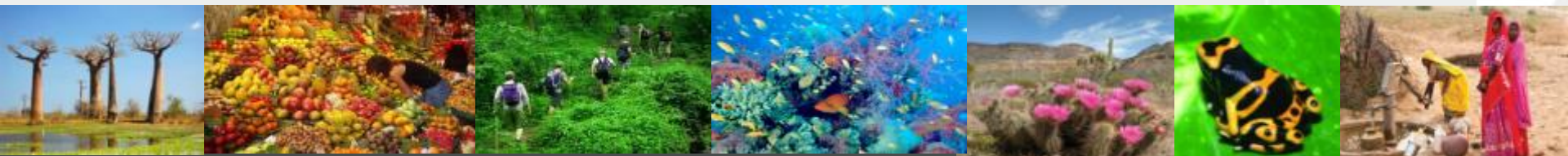
Thank you for your attention

www.diversitas-international.org



eva.spehn@scnat.ch

secretariat@diversitas-international.org



IPBES: some history...

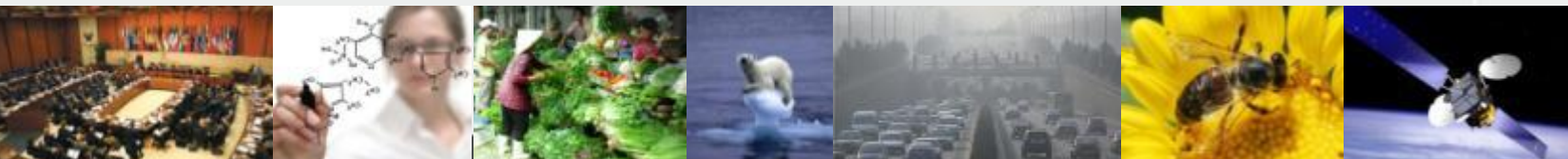
The scientific community has played a major role in all aspects of the process to ensure good participation of scientists worldwide

- 2005-08** • Consultative process towards an International mechanism of scientific expertise on biodiversity
- 2005-08** • Completion of Millennium Ecosystem Assessment, and development of MA follow-up initiative
- 2008** • Proposal to integrate the MA follow-up initiative with the consultative process towards IMoSEB
- 2008-10** • Three intergovernmental and multi-stakeholder meetings on an IPBES (Kuala Lumpur, Nairobi, Busan)
- Dec 2010** • UN General Assembly agrees to establish IPBES
- 2011-12** • IPBES can start! First Plenary of IPBES

What is Future Earth?

A **global platform** for international scientific collaboration

- Enables **integrated research** on grand challenges and transformations to sustainability
- Strengthens global **partnerships** between researchers, funders and users of research
- **Communicates** science to society and society to science



Scientific agenda

- **Dynamic Planet**

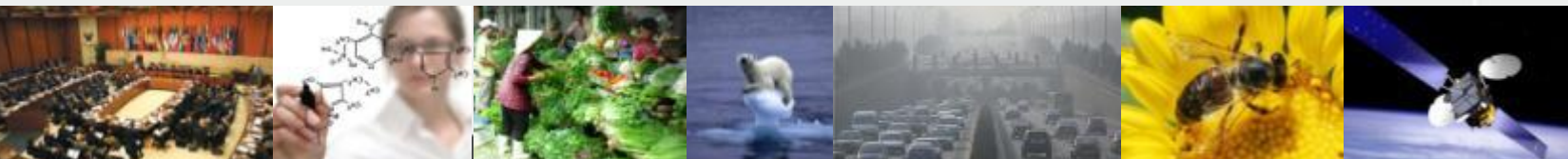
Understanding how the system works & predicting how it will change

- **Global Development**

Addressing the most pressing needs of human development (food, water, health, energy) - Short term

- **Transformation towards Sustainability**

Focusing on long term transformations needed to move to a sustainable future - Long term



DIVERSITAS community contribution



- Helping in setting up the process
 - Conference “Biodiversity: Science & Governance”
Scientific Committee
 - Co-organization of the regional consultations on IMoSEB
 - Integration MA & IMoSEB: IPBES
- Representing the sci. community in multi-stakeholder meetings (DIVERSITAS, ICSU, IHDP)
- Informing & mobilizing the scientific community
 - DIVERSITAS Open Science Conference (Conference declarations, Science-policy roundtable)
 - DIVERSITAS-ICSU-IUCN consultation of the scientific community and broader civil society on IPBES (Sept 09)
 - Publications in scientific journals (Loreau *et al.* 2006. *Nature*; Mace & Mooney. 2009. *Science*; Larigauderie & Mooney. 2010. *COSUST*)

CORE OF THE BIODIVERSITY OBSERVATION NETWORK

