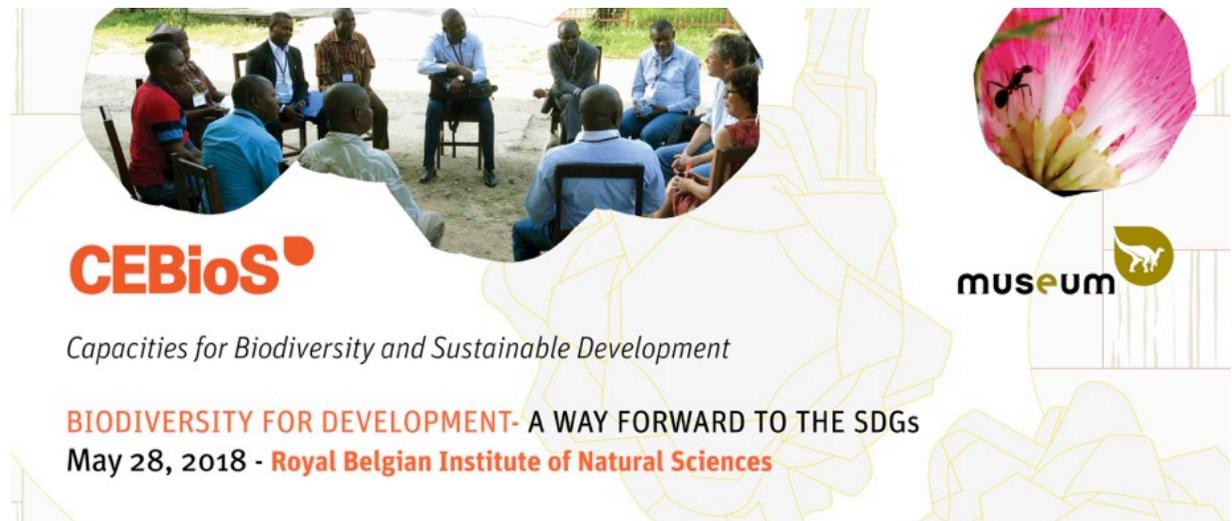
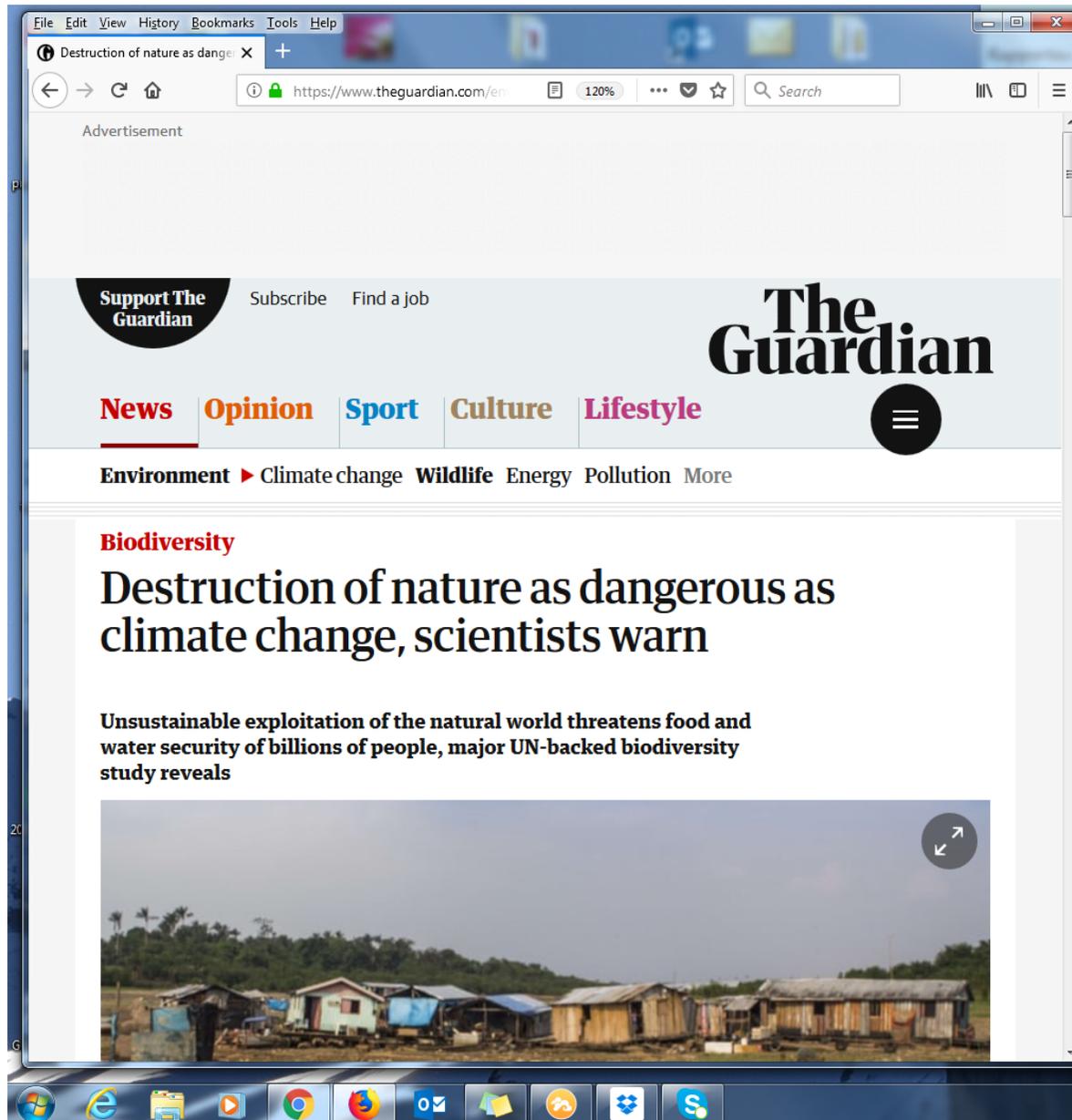


Biodiversity for development a way forward to the SDGs

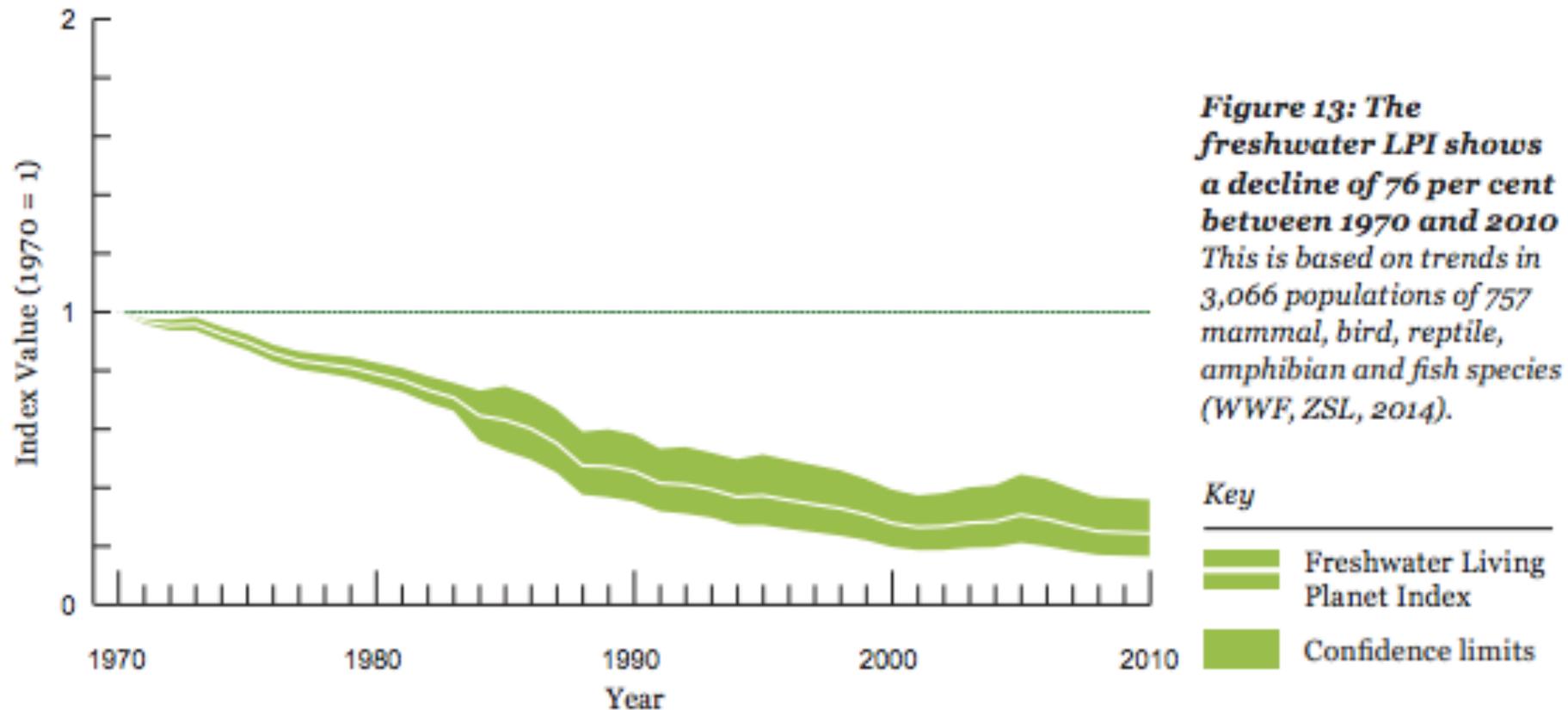


Luc Janssens de Bisthoven
Coordinator CEBioS





6th extinction of biodiversity

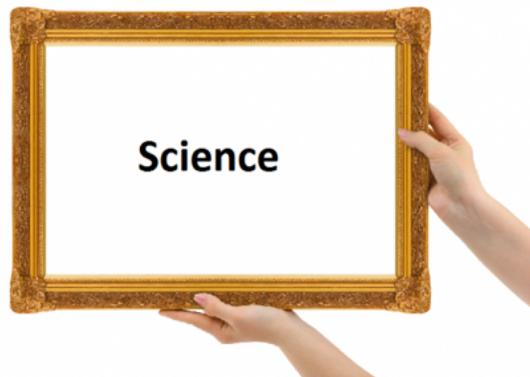


Human attitudes towards biodiversity decline

- Alarmist? Fatalistic? Ideologic?
- Escapist? Pragmatic?
- Realistic? Can we do something?
- Pessimistic? Machiavellic?



Nature conservation for biodiversity, for development? Framing is important!



Rough timeline	Framing of conservation	Key ideas	Science underpinning
1960-1970	Nature for itself 	Species Wilderness Protected areas	Species, habitats and wildlife ecology
1980-1990	Nature despite people 	Extinction, threats and threatened species Habitat loss Pollution Overexploitation	Population biology, natural resource management
2000-2005	Nature for people 	Ecosystems Ecosystem approach Ecosystem services Economic values	Ecosystem functions, environmental economics
2010	People and nature 	Environmental change Resilience Adaptability Socioecological systems	Interdisciplinary, social and ecological sciences

G.M. Mace (2014). Science, Vol 345, 6204

What links biodiversity to sustainable development?

Ecosystem services



Good policies, governance, management, sustainable use



Tourism revenues, stable water table, fish, fertile soils, good micro-climate, pure water and air, religious & cultural significance

1 km !

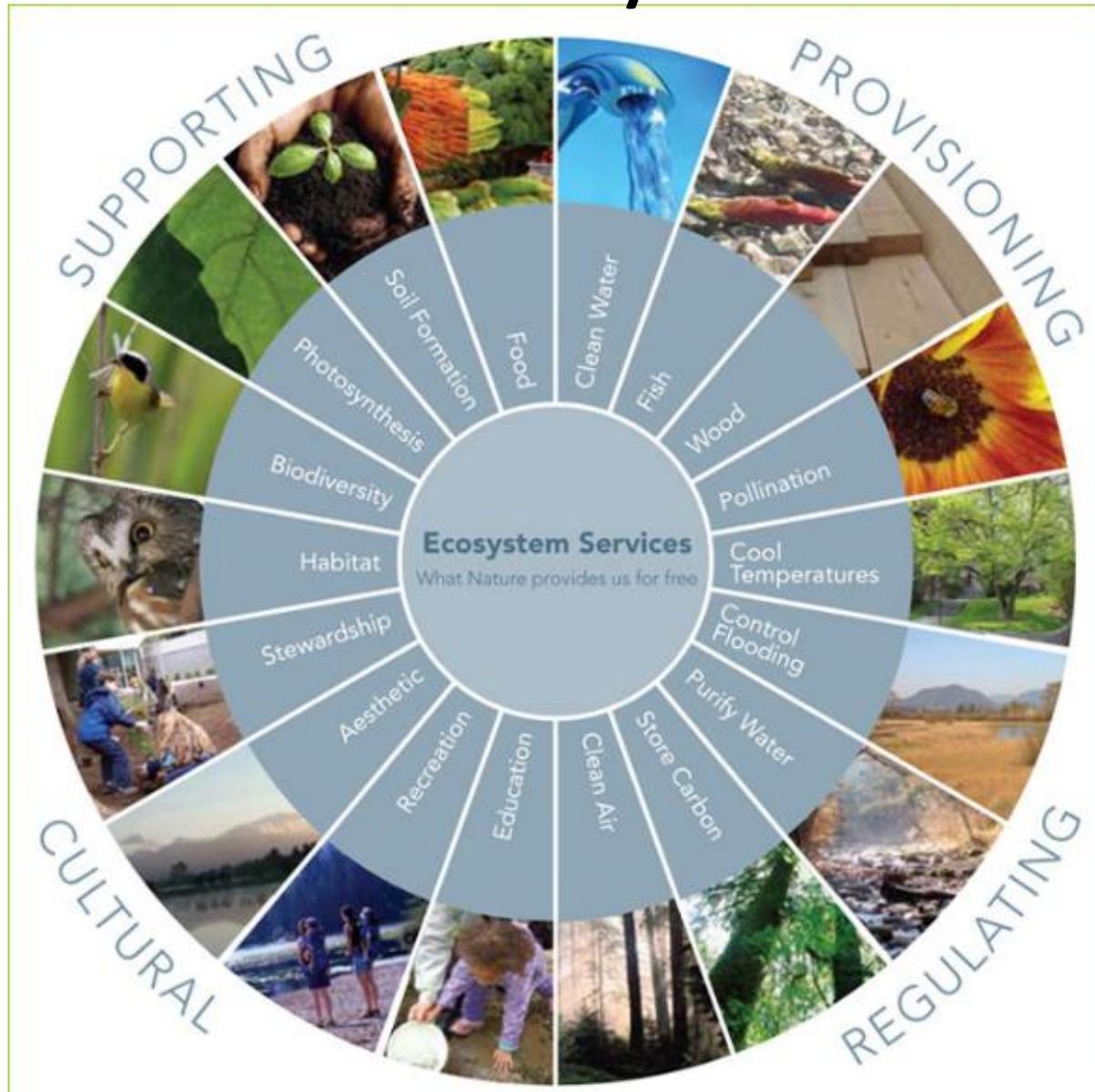


Sustainable development



Arba Minch, Ethiopia

Ecosystem services



Global governance





Challenges and strategies as drivers Strategic Plan 2011-2020 Aichi Targets



Strategic Goal A
Address the causes of biodiversity loss

Strategic Goal B
Reduce the direct pressure on biodiversity and promote sustainable use

Strategic Goal C
Safeguard ecosystems, species and genetic diversity

Strategic Goal D
Biodiversity benefits to all

Strategic Goal E
Participatory planning, capacity building



In Memoriam



Olivier de Munck (1965-2018)

CHM officer at the Convention on Biological Diversity



Benoit Nzigidahera (1964-2018)

Directeur Scientifique de l'Office Burundais de la Protection de l'Environnement Point focal CHM burundais



A programme of the Royal Belgian Institute for Natural Sciences

Financed by DGD-MD8 (6 M Euro for 5 years 2014-2018),
Next phase 2019-2023

Staff of 10-12 persons

5 year anniversary after successful mid-term evaluation



CEBioS



OS6 : Strengthening awareness and capacities concerning the **Protocol of Nagoya** in Belgium and in the partner countries

OS5 : Strengthening knowledge about **measuring, reporting and monitoring** of political choices and interventions



OS4 : **Mainstreaming biodiversity and ecosystem services** in the political sectors linked to development cooperation

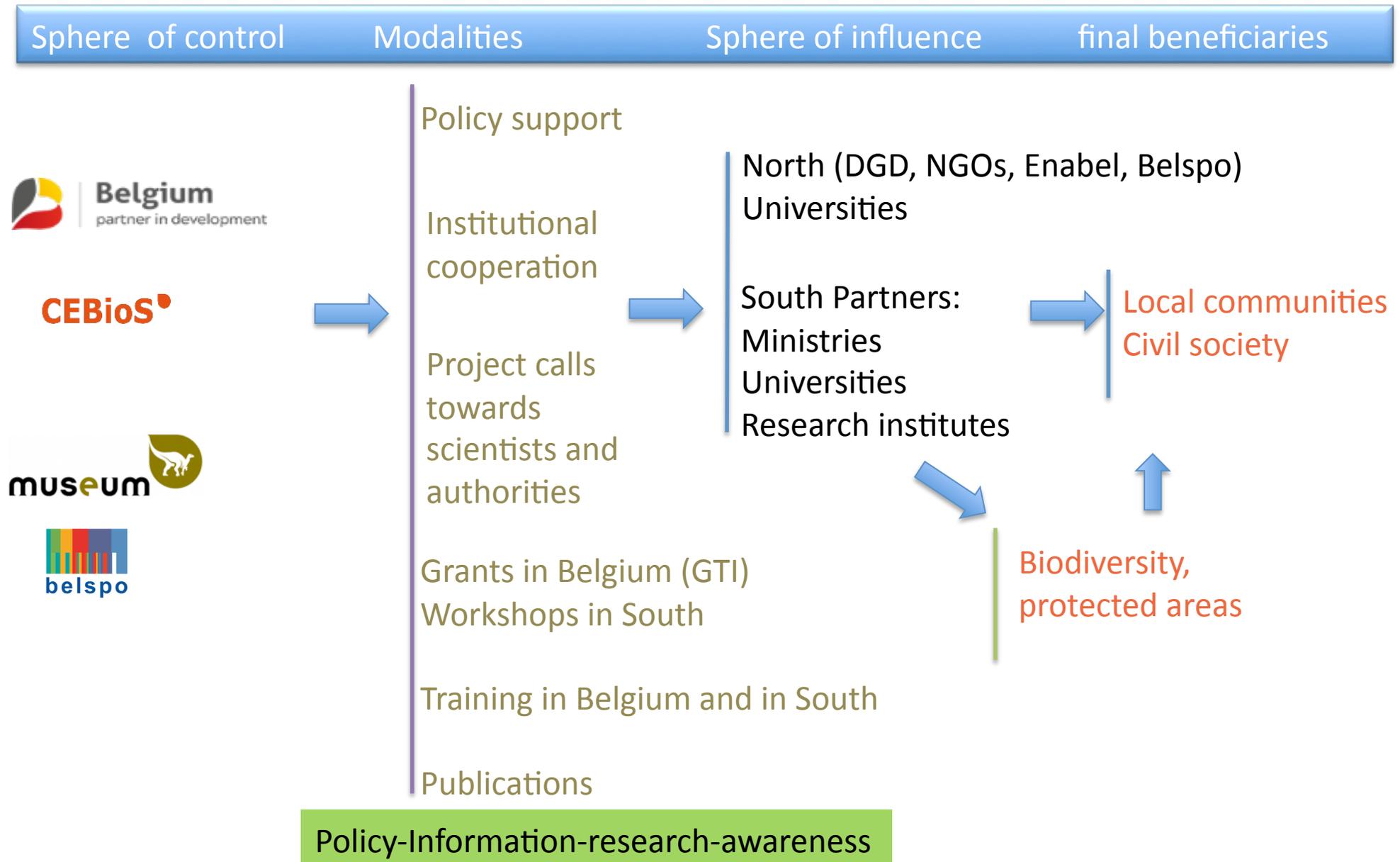
OS 1 : Strengthening the **scientific and technical knowledge** base in development countries

OS 2 : Strengthening the **exchange and the use of information** in a.o. governance

OS 3 : Contribution to **public awareness in development cooperation**

<http://cebios.naturalsciences.be/>

What is “capacity building” and “theory of change”?



CEB_{IO}S ACTIVITIES

Peru

- COHERENS

Benin

- Habitat monitoring
- Lexicons
- Research on ES
- Training of ecoguards
- GTI grants
- CHM
- Awareness raising
- Biodiversity monitoring indicators (+ policy briefs)
- EVAMAB (ES evaluation)
- Ocean currents modeling (COHERENS)
- Quality scientific knowledge produced & put into use

DR Congo

- Habitat monitoring
- Lexicons
- Research on ES
- Workshops and training sessions
- Training of ecoguards
- GTI grants
- CHM
- Awareness raising
- Biodiversity monitoring indicators (+ policy briefs)
- Training on the Nagoya Protocol
- Scientific support to UNIKIS & the CSB
- Quality scientific knowledge produced & put into use

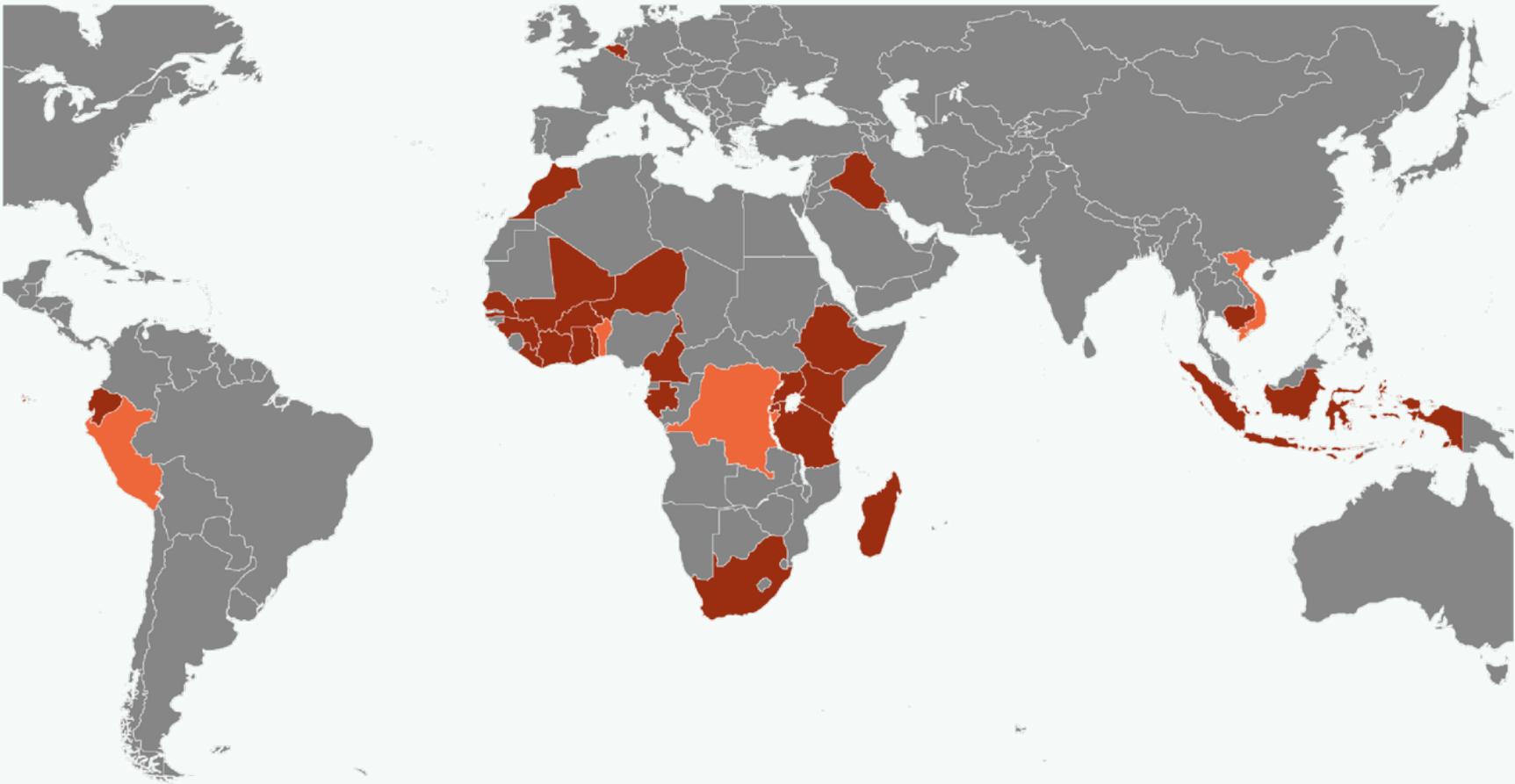
Burundi

- Habitat monitoring
- Lexicons
- Research on ES
- Workshops and training sessions
- Training of ecoguards
- GTI grants
- CHM
- Awareness raising
- Biodiversity monitoring indicators (+ policy briefs)
- Training on the Nagoya Protocol
- Quality scientific knowledge produced & put into use
- External project: South Initiative Lake Tanganyika

Vietnam

- GTI grants + policy brief
- COHERENS

CEB₁₀S ACTIVITIES



Speakers & debaters





Voting system

CEB_{ioS} ACTIVITIES

BENIN



→ Pendjari National Park



- Quality scientific knowledge produced & put into use
- EVAMAB (Ecosystem Services evaluation)
- Lexicons
- Training of ecoguards

• Ocean currents modeling (COHERENS)

→ In collaboration with IRHOB

- Research on Ecosystem Services
- Grants from the Global Taxonomy Initiative
- Clearing-House Mechanism
- Awareness raising
- Biodiversity monitoring indicators (+ policy briefs)