



Creating a Network of Knowledge for
biodiversity and ecosystem services
www.biodiversityknowledge.eu

Introduction to the conference and the Network of Knowledge approach

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1st BiodiversityKnowledge conference, Brussels, 21st-23rd of May, 2012



Why we are here

CBD COP10, Nagoya, October 2010

1. Complexity

... of our topic and
our community

2. Curiosity

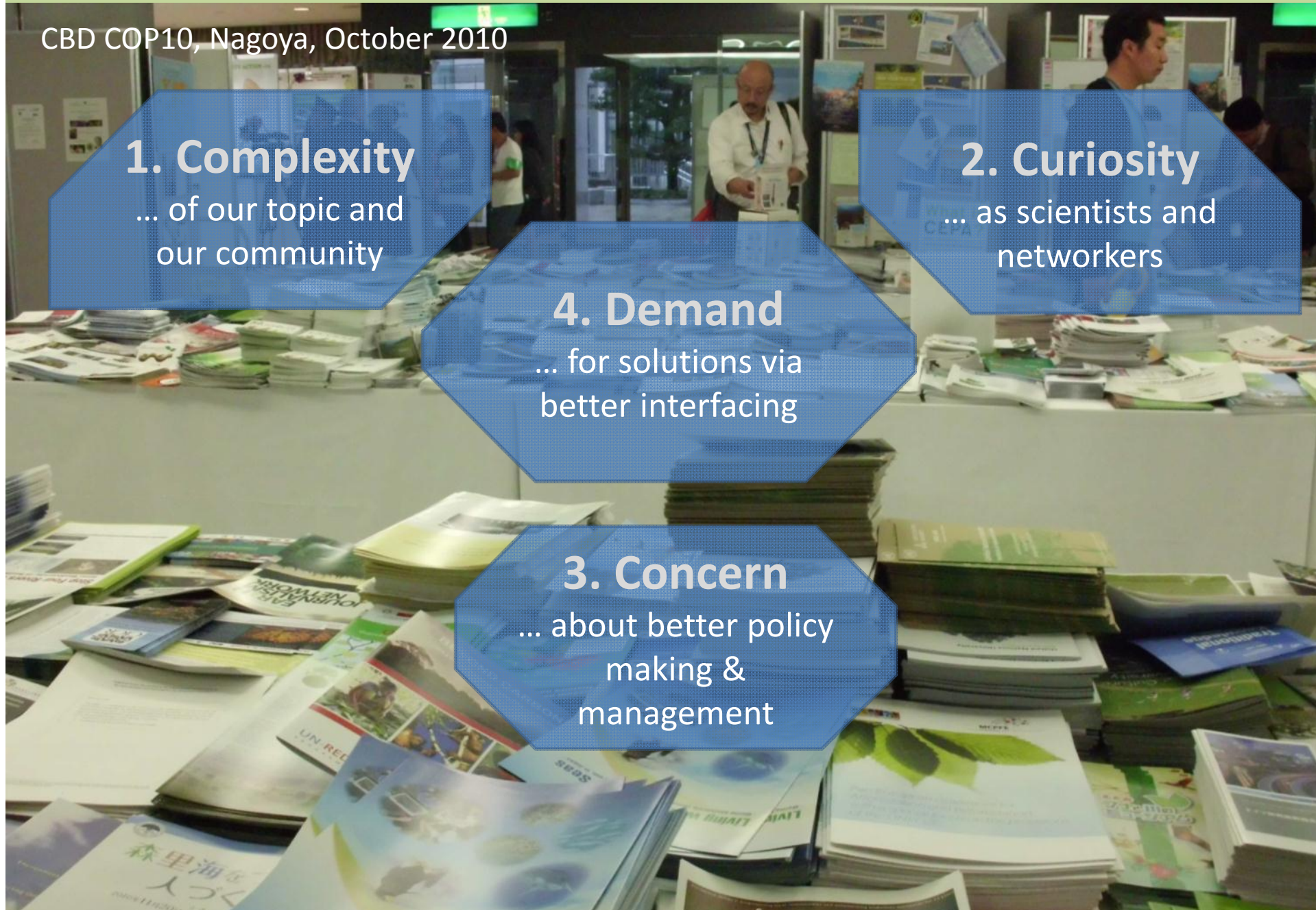
... as scientists and
networkers

4. Demand

... for solutions via
better interfacing

3. Concern

... about better policy
making &
management



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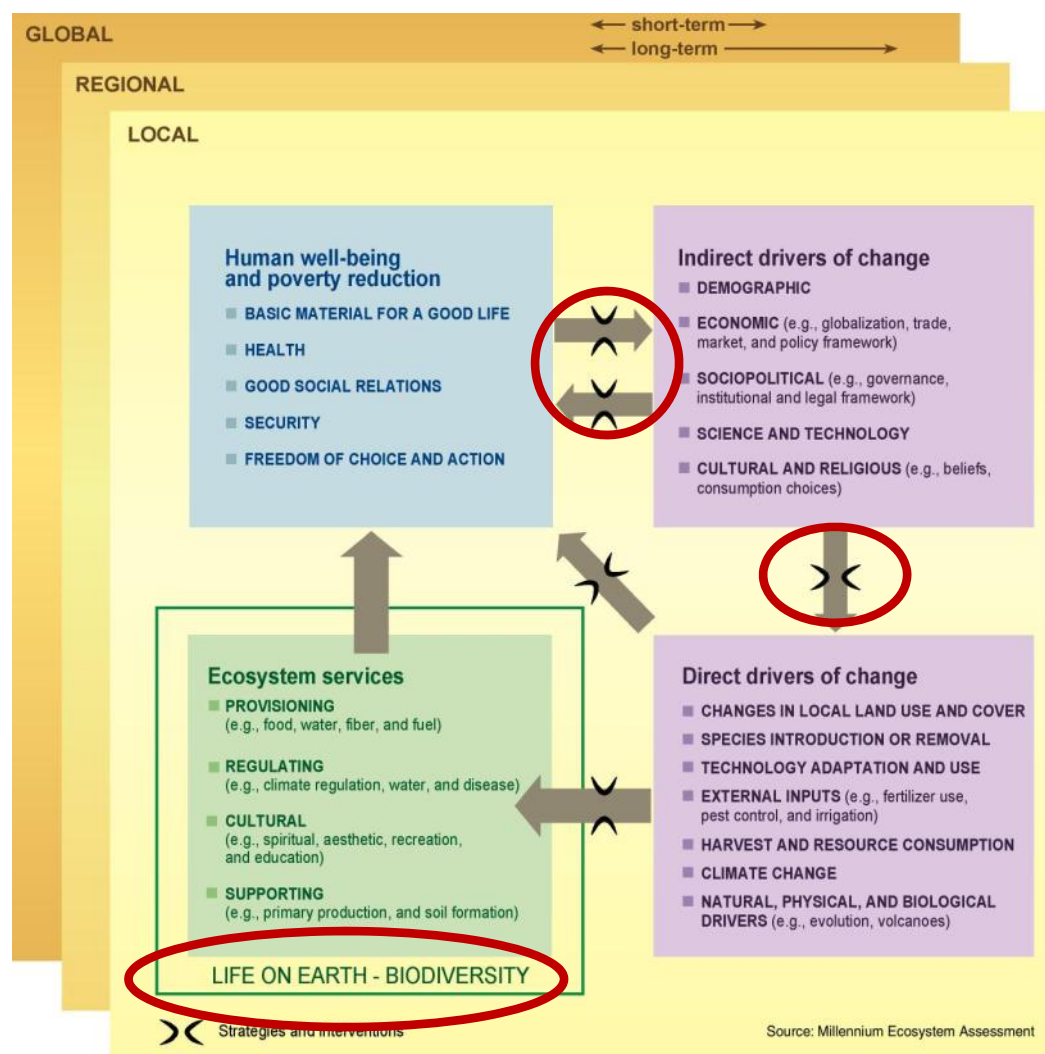
1-Complexity

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3-Concern

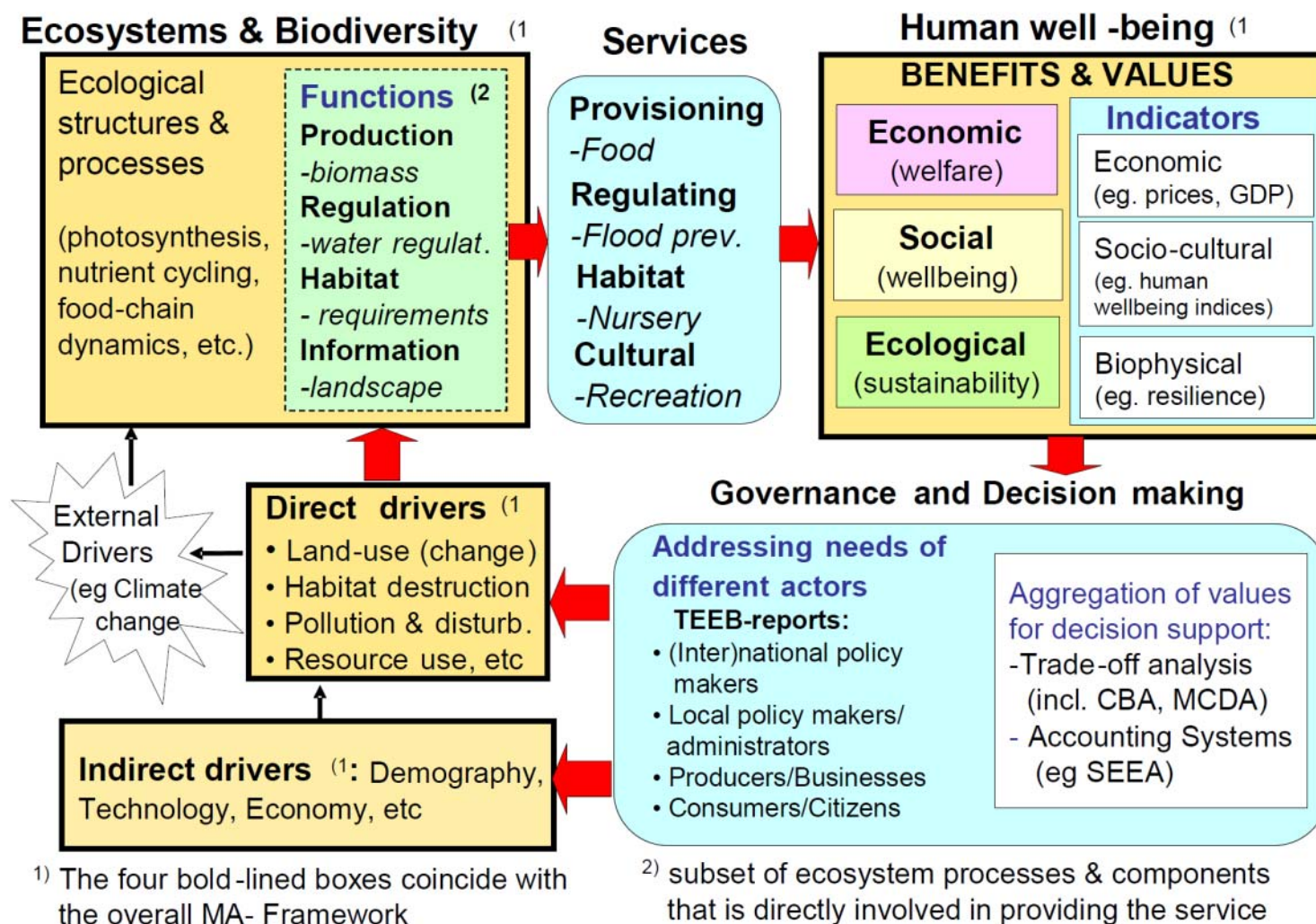
4-Demand

The framework is not getting easier – for policy and for science



Millennium Ecosystem Assessment (2003, 2005)

The framework is not getting easier – for policy and for science



1-Complexity

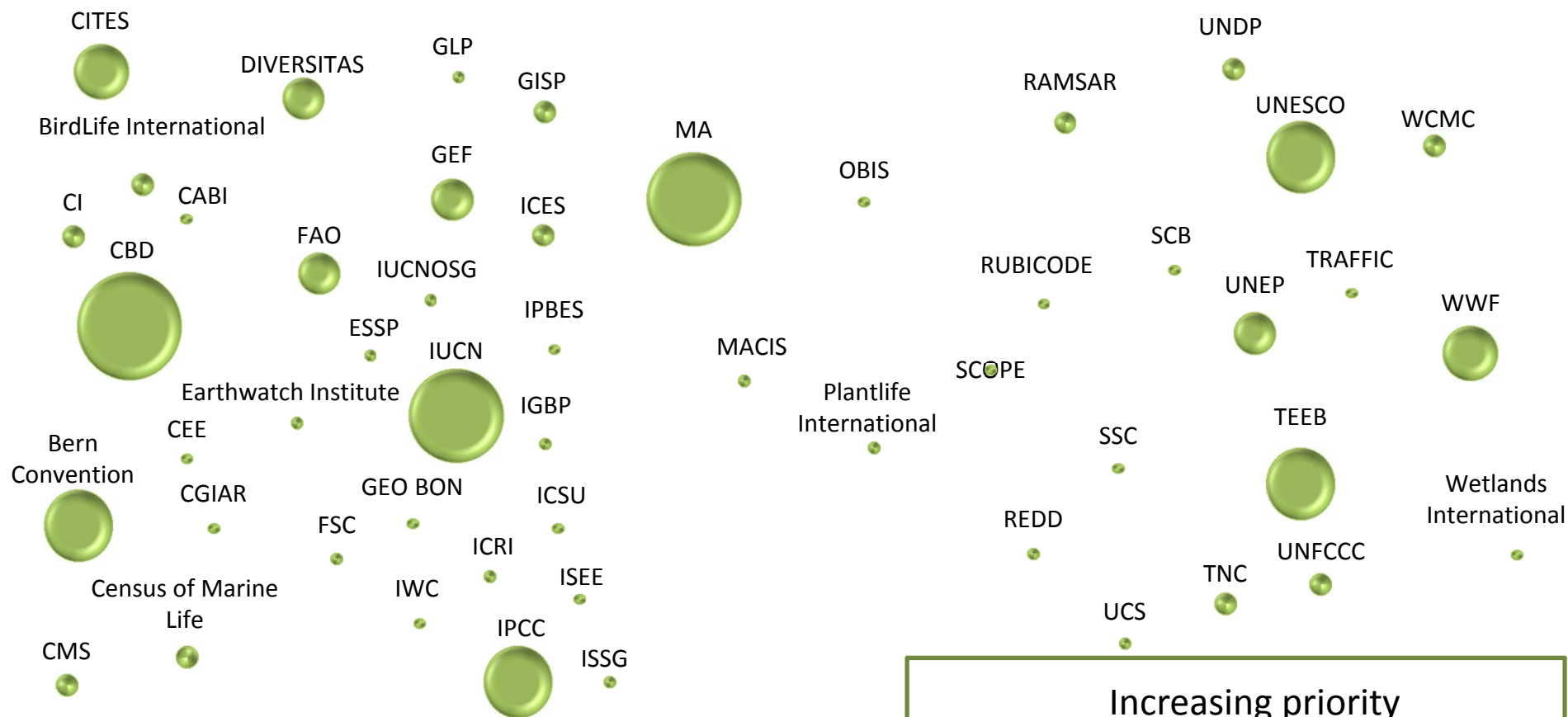
2-Curiosity

3-Concern

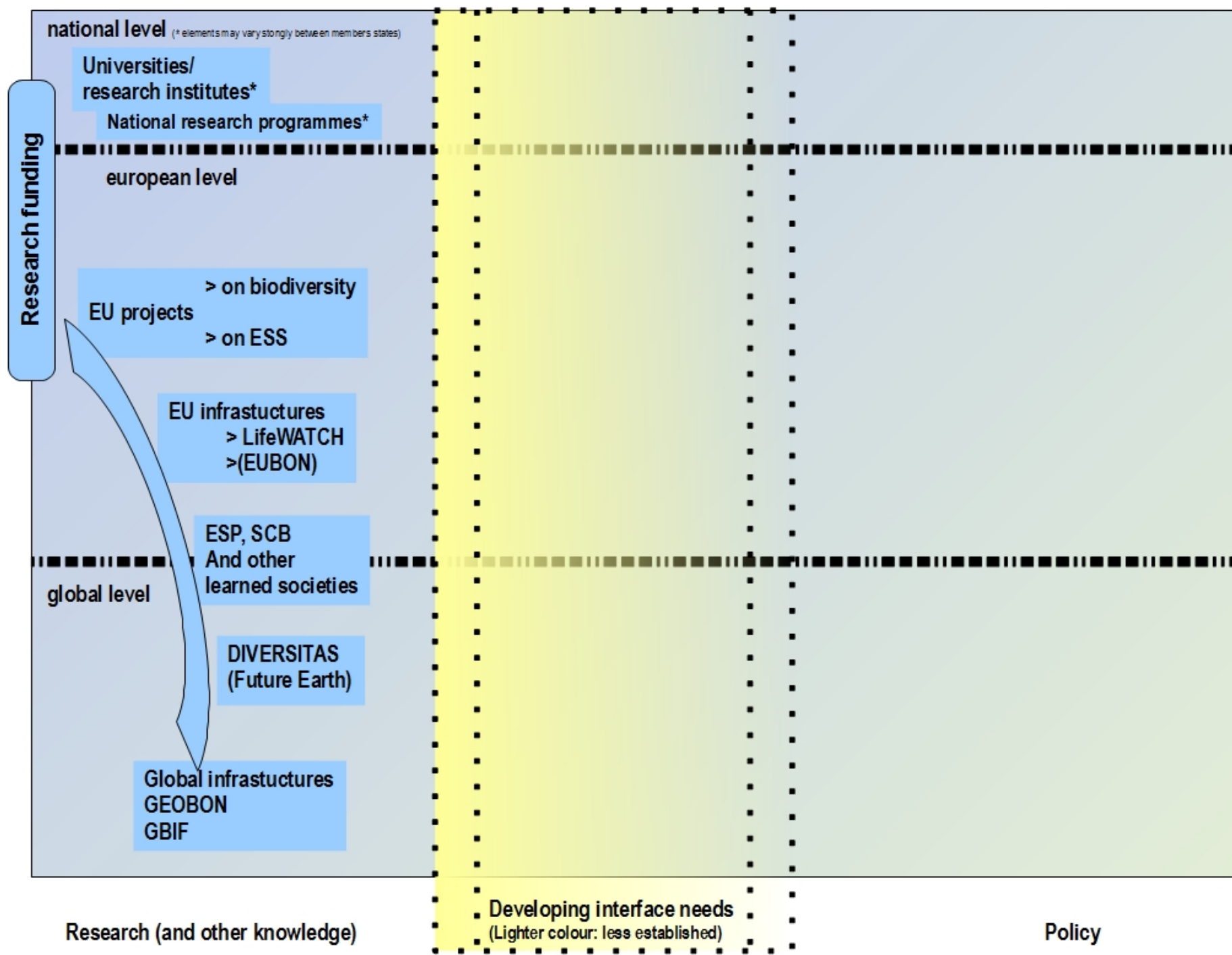
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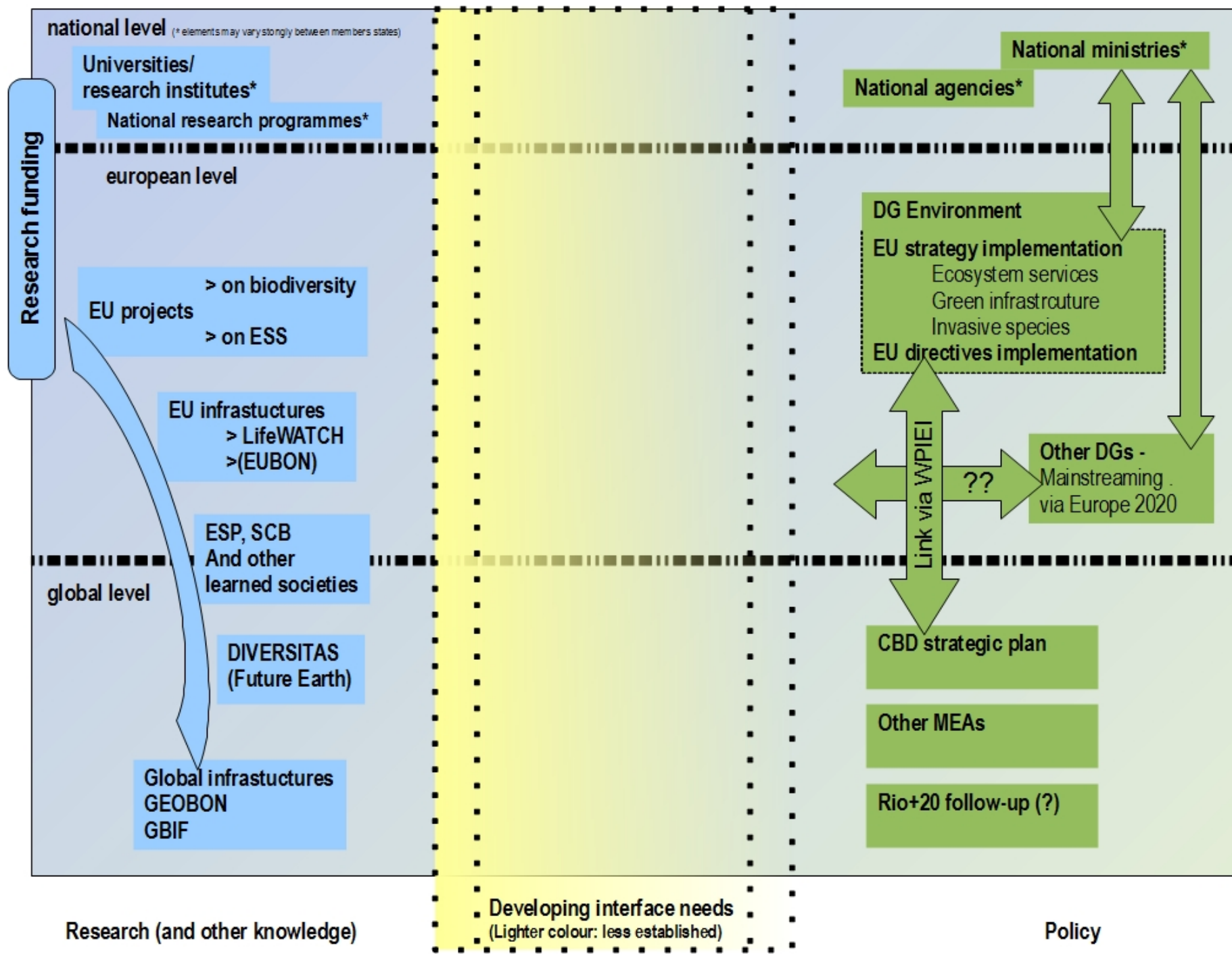
The complexity of the knowledge landscape

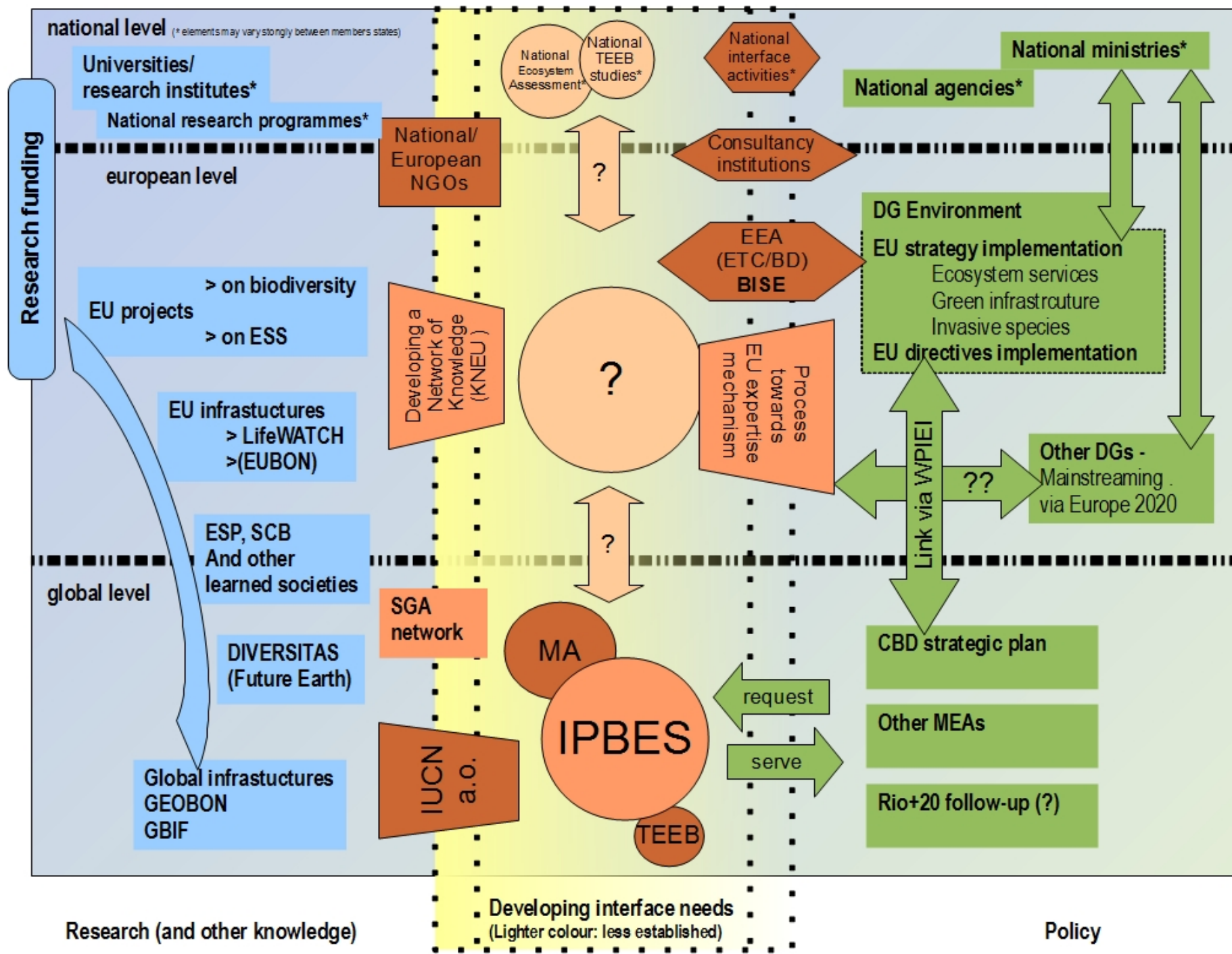
Knowledge landscape: Global hubs, key networks or initiatives that have influenced most the policy on Biodiversity and Ecosystem Services in the past 5 years



From mapping study and prioritisation exercise, KNEU-project, WP1







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Integration in biodiversity science over the last 15 years - towards our own “particle accelerators”

- Networks of Knowledge – **EDIT, ALTER-Net, MARBEF**
- Data networks like **GBIF, EBONE**, ... developing
- **> 50 biodiversity research** projects in FP5-FP7
- First integration steps in ecosystem services research
 - **ESP**
 - FP7 projects
- Infrastructures: **LIFEWATCH & EXPEER**
- Integration in national funding: **BiodivERsA**

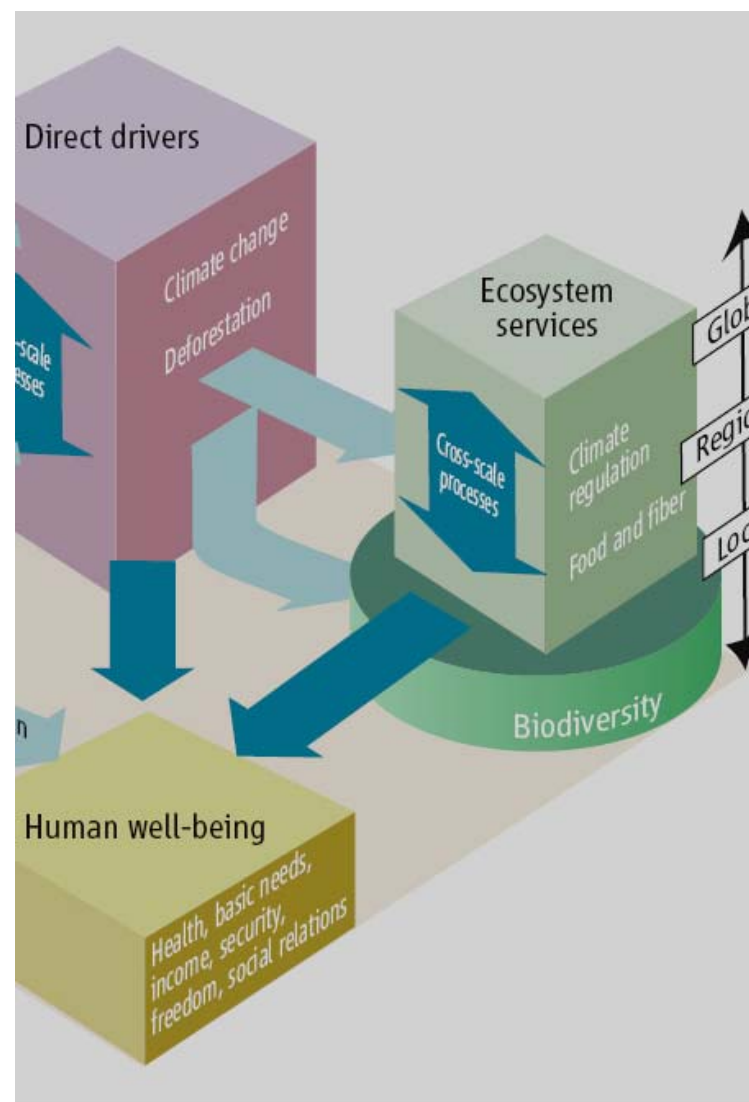


Products of different kinds

- Thousands (?) of research papers
- Databases
- Science/Policy briefs
- Meetings ...

Processes for identification of research needs

- EPBRS recommendations
- EPBRS Research Strategy
- DIVERSITAS Science Plan



Carpenter et al. (2006)

New, additional challenges ...

- **Businesses ask for ways to better accounting for biodiversity**
 - TEEB
 - Business & Biodiversity initiatives
 - ...
- **Links to other “Grand challenges”**
 - Health
 - Food security
 - Energy security
 - ...



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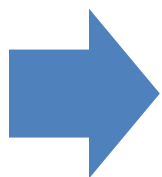
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CBD Aichi Targets 2020

- Highly ambitious goals with strong mainstreaming component

EU Biodiversity Strategy 2020

- Diverse target system (6 targets, 20 activities)
- Big challenges (inter alia) with regard to assessing ecosystem services and developing a “green infrastructure”
 - Very uneven level of preparation and knowledge across member states
 - Diverse governance approaches and multiple knowledge holders



Need for integrative and flexible governance approach between commission, MS and other knowledge holders



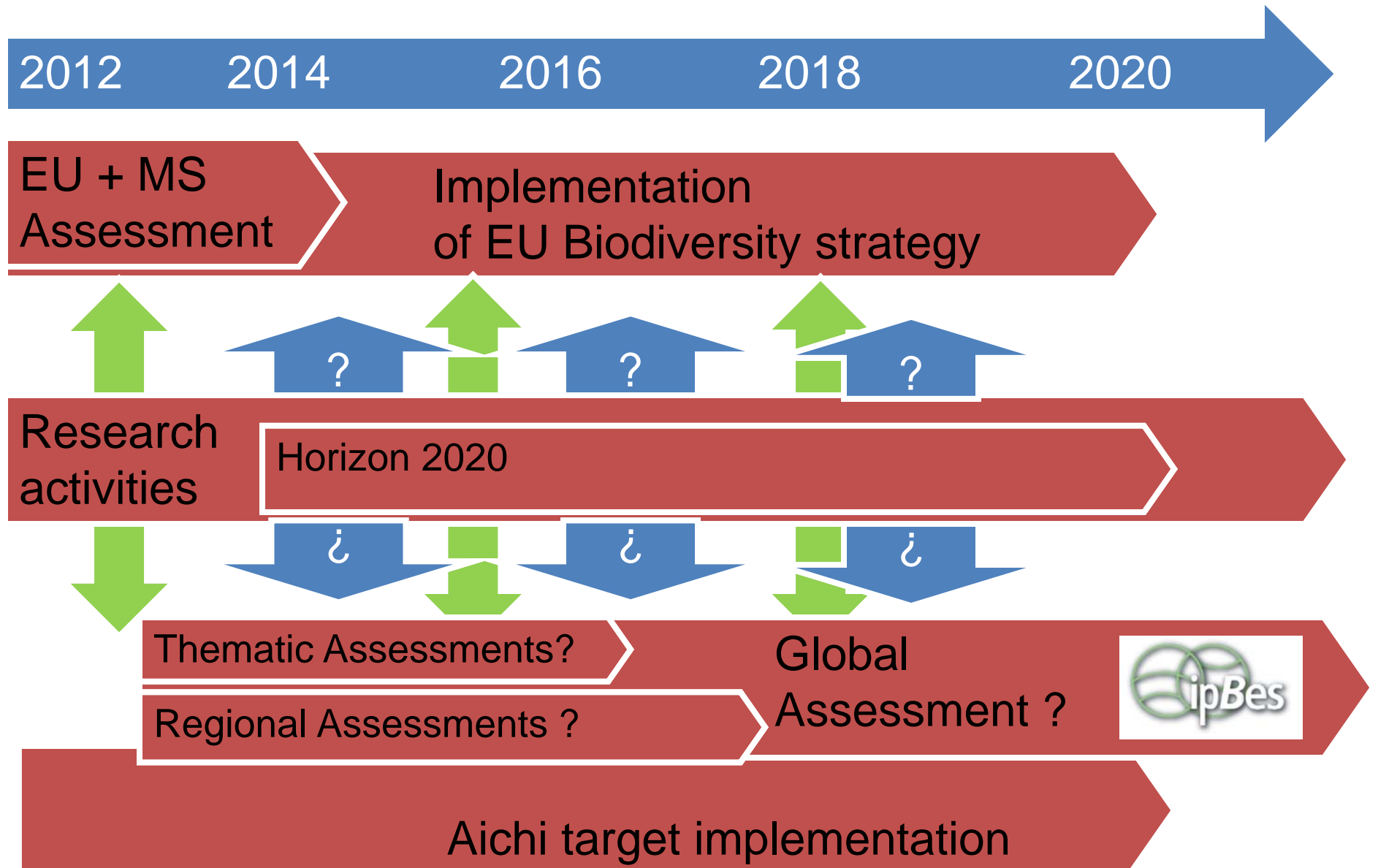
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Challenging timelines (Ecosystem assessments as example)



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Developing the right products and measures

Lack of adequate measures?

Right tools and fora to communicate?

Reports and what else?

>> Joint Assessments

>> Best practices

>> ...



1-Complexity

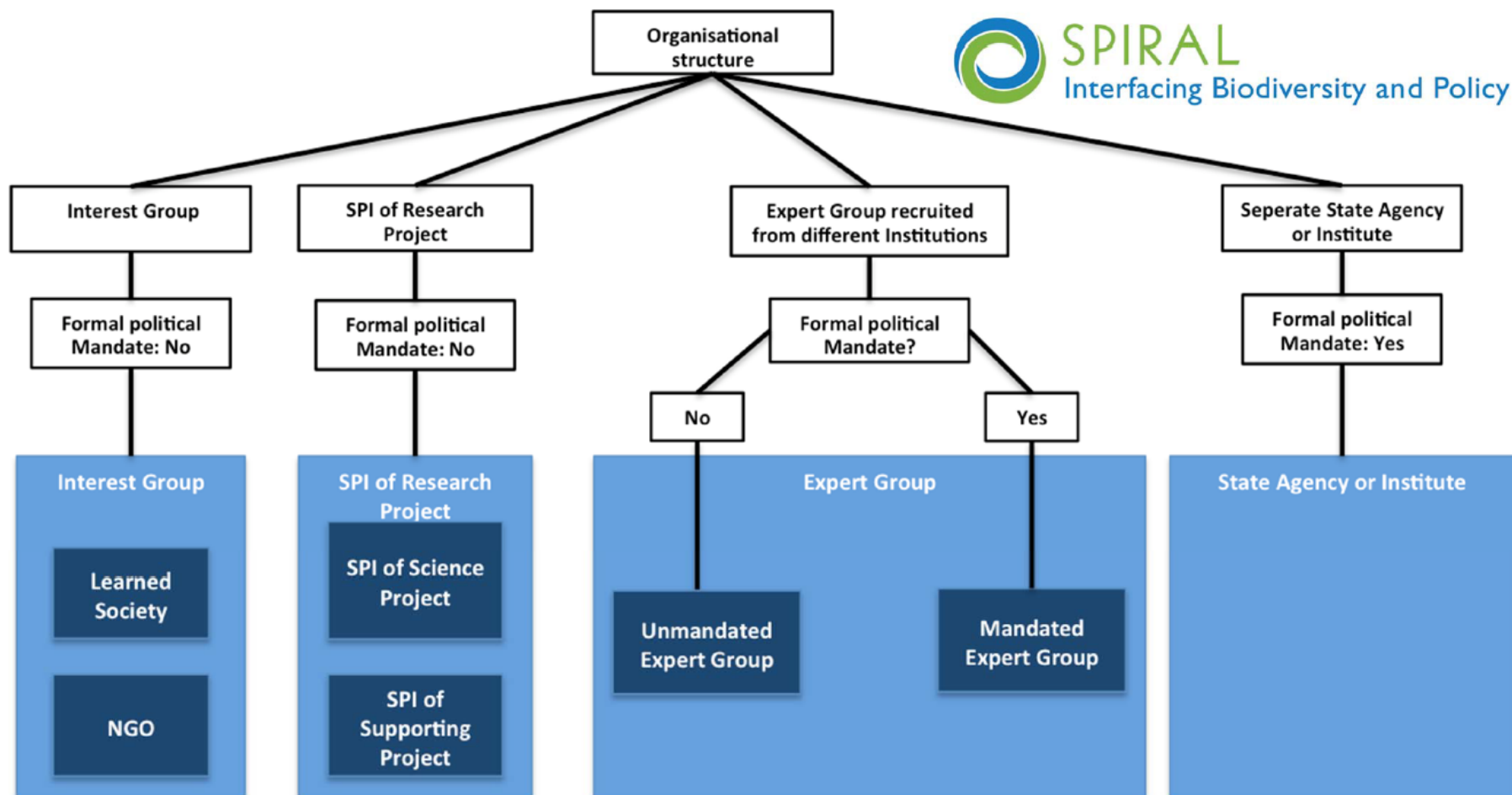
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Designing the form of an interface

Cross-level Typology of SPI Organisations



From mapping SPIs study in SPiRAL project, www.spiral-project.eu

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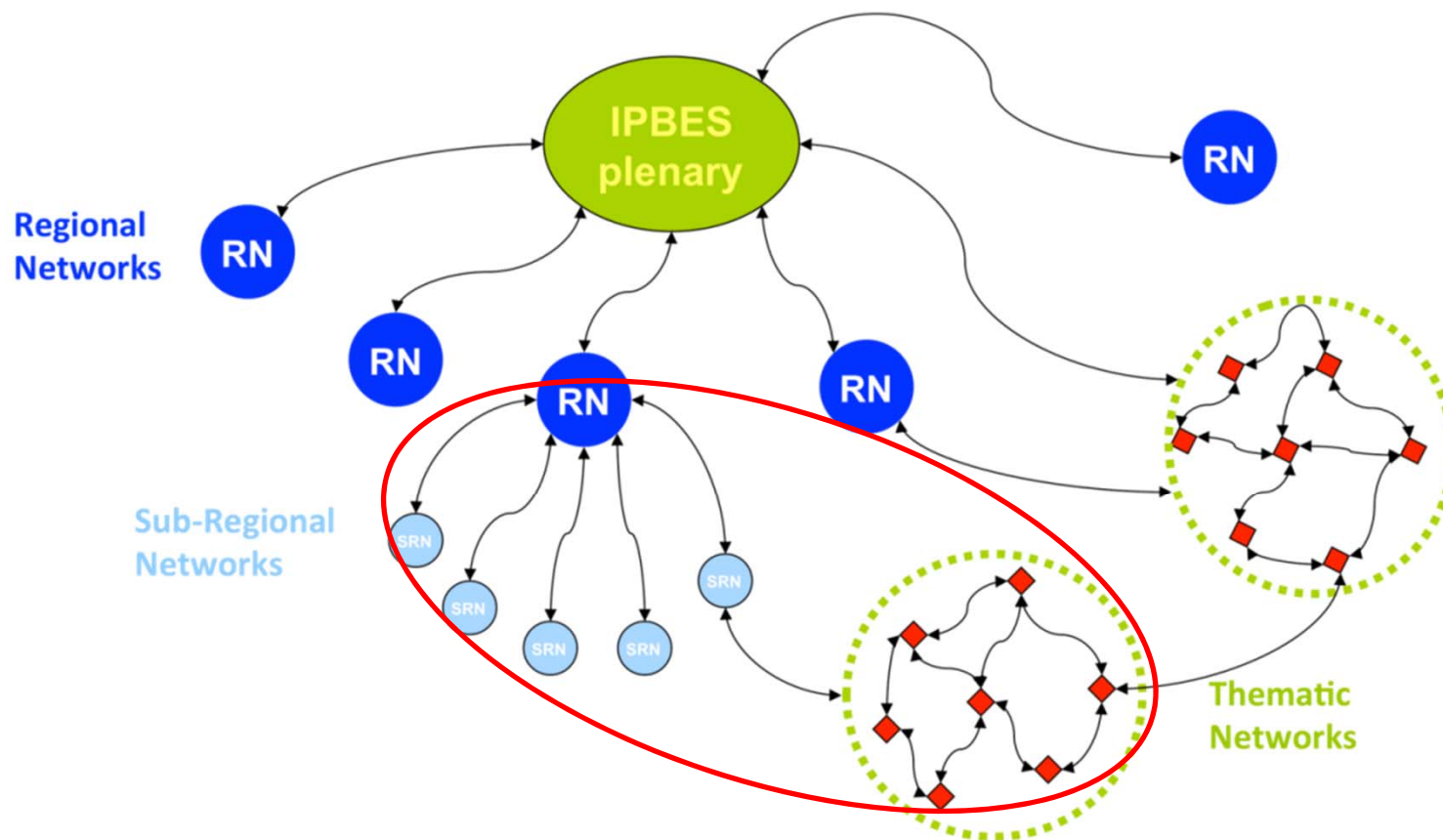


IPBES as global dimension to the problem

General AIM of IPBES:

Ensuring that the best available Knowledge
is made available to Governments and
other decision makers.

The challenge of designing regional hubs & networks

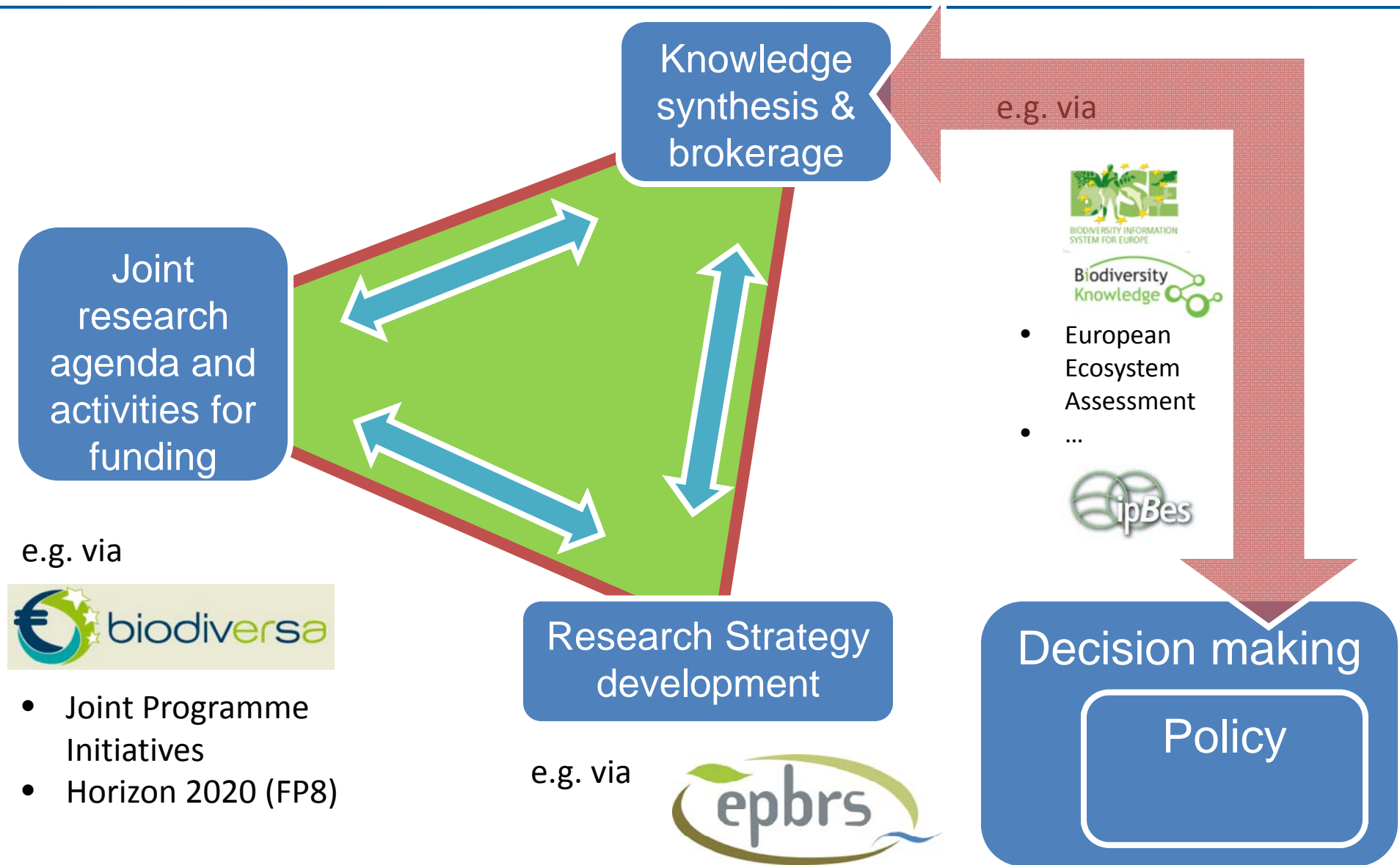


Need for a European Network of Knowledge to support

- European policy needs
- IPBES from a regional perspective

Figure based on the NestNet-workshop, Leipzig March 2011

Conclusions - Finding a new balance in the landscape



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5. The contribution of BiodiversityKnowledge

Network of Knowledge (NoK)?

- bring together **existing organizations** and processes
- **improve the science-policy interface** by helping to focus the support of science and scientists on the needs of those **setting policy** and taking decisions.

EPBRS (2009)



5. The contribution of BiodiversityKnowledge



Aim of BiodiversityKnowledge:

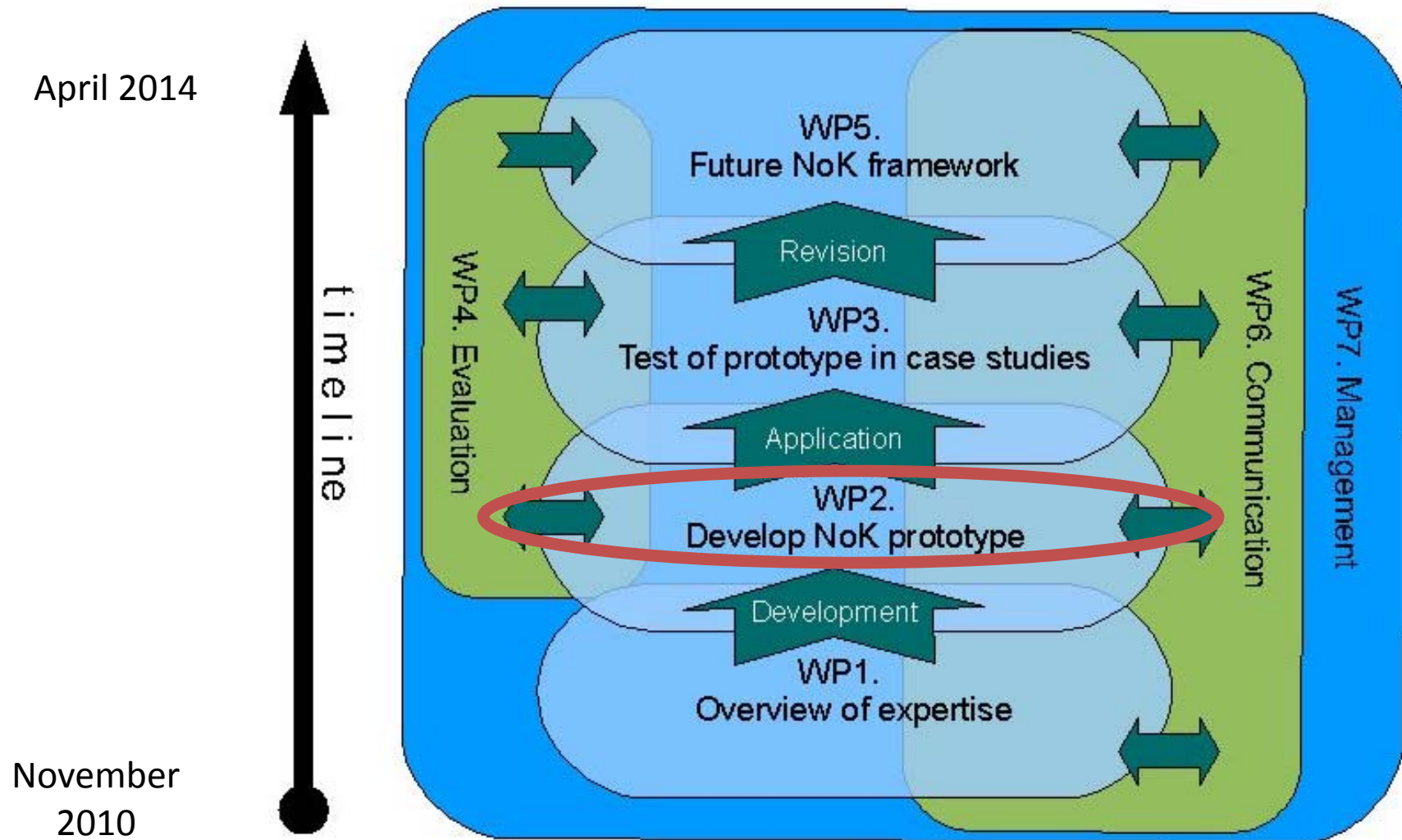
**Ensuring that the best available Knowledge
is made available to Governments and other
decision makers in Europe.**

funded by the European Commission via the
project KNEU (Coordination action, FP7)



5. The contribution of BiodiversityKnowledge

Timeline of the KNEU project to develop a recommended design



5. The contribution of BiodiversityKnowledge

Elements of the NoK



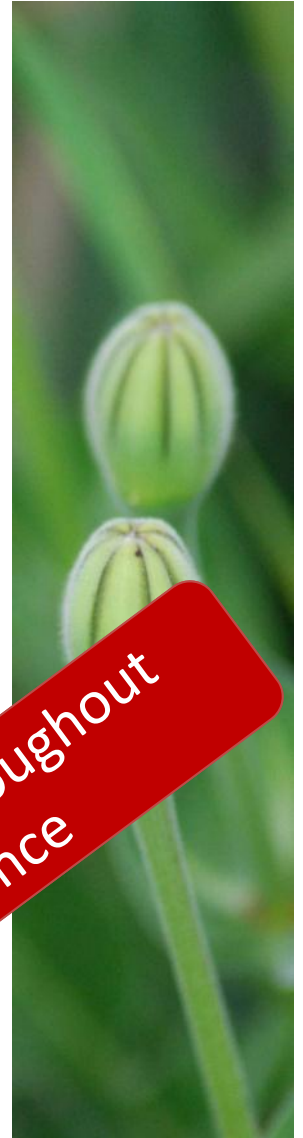
- **Providing a platform for exchange and mutual learning** (bring together „complexity“ and „curiosity“)
 - Engage them to become a „community of interest“
 - Link directly with platforms like BISE and Eye on Earth

5. The contribution of BiodiversityKnowledge

Linking up with other initiatives & institutions

- **Applied side in Europe**
 - EU Ecosystem Assessment and according national initiatives (EU Strategy 2020)
 - EEA & BISE
 - ...
- **Research side in Europe**
 - EU projects and networks of excellence
 - Learned societies
 - ...
- **International side**
 - IPBES
 - GBIF; GEOBON
 - SGA-network, ...

To be discussed throughout
the conference



5. The contribution of BiodiversityKnowledge

Elements of the NoK



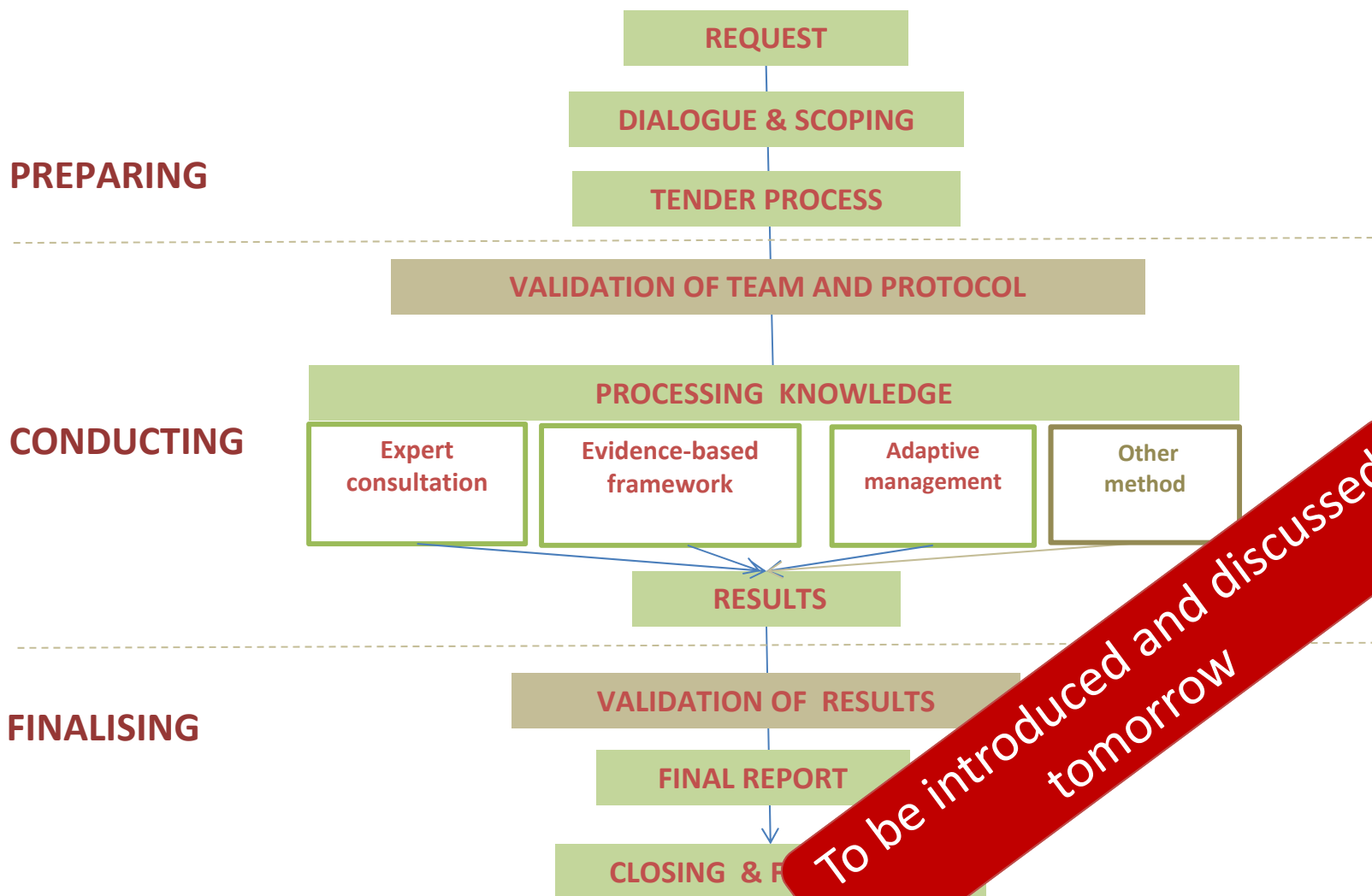
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- **Providing a process for request-driven advice** (link to „concern“)
 - with clear rules and procedures
 - Ensure a sound communication

5. The contribution of Biodiversity Knowledge

Prototype for request-driven action



To be introduced and discussed tomorrow

5. The contribution of BiodiversityKnowledge

Elements of the NoK



- **Providing a platform for exchange and mutual learning** (bring together “Complexity” and “Curiosity”)
 - Engage them to become a „community of interest“
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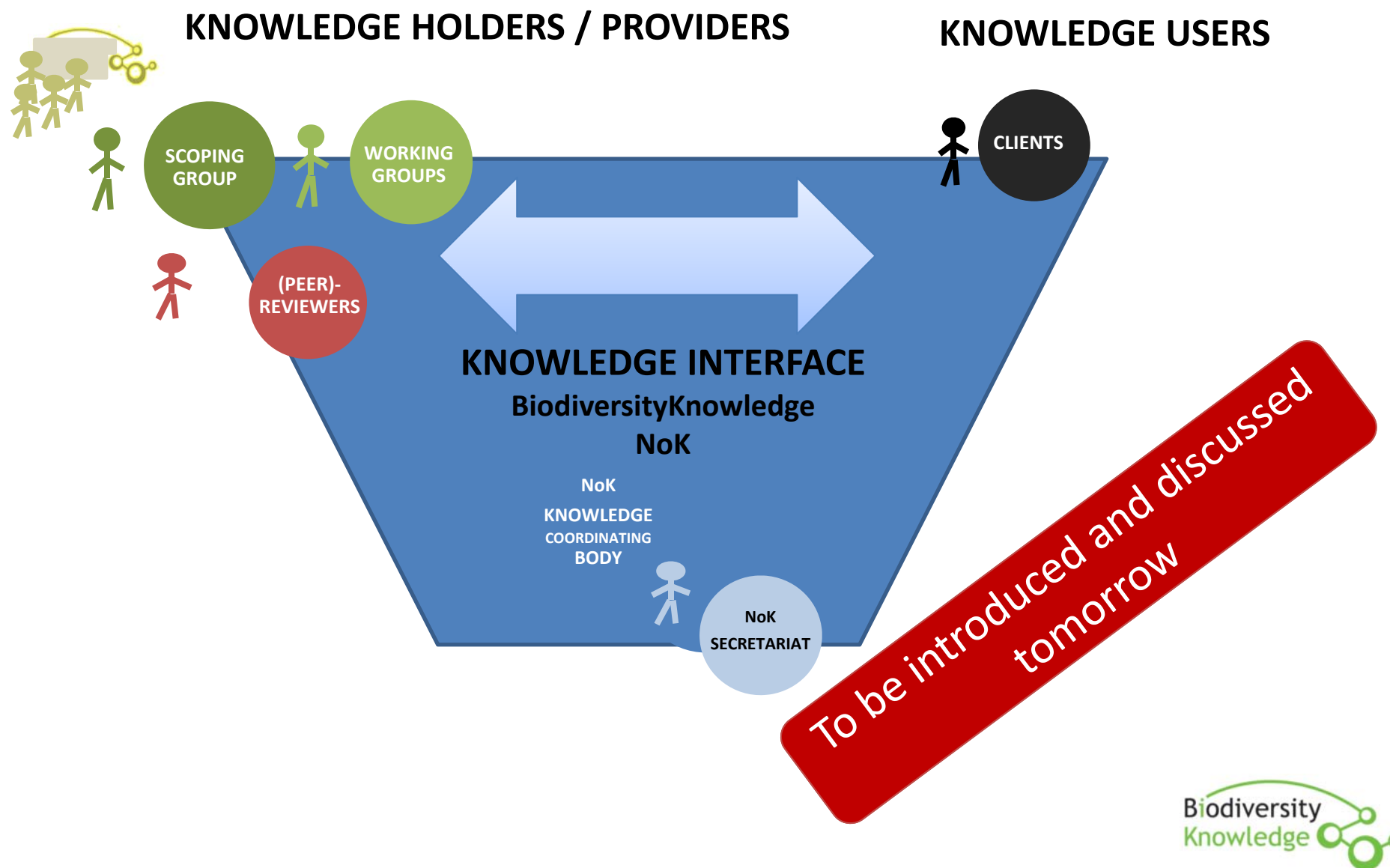
- **Providing a process for request-driven advice** (link to „Concern“)
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- **Development an open but coherent governance structure** (find ways to address “Demand”)
 - Involving a variety of thematic and national knowledge hubs
 - Making the link to decision making

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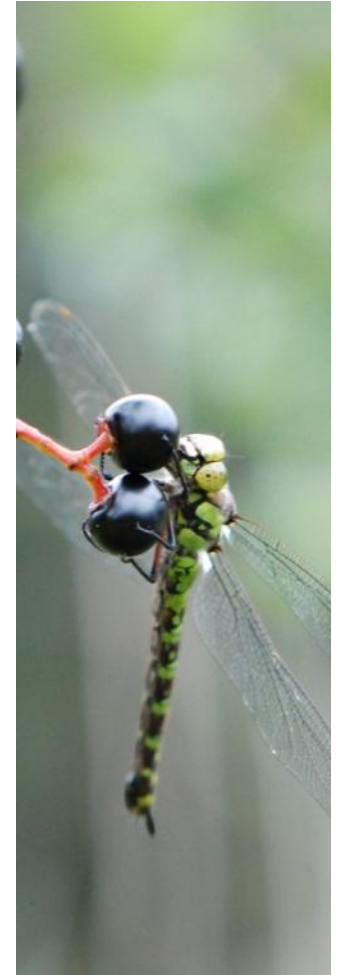
The actors of a NoK



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Some challenges ...

- **Wide participation:** A huge number of diverse knowledge holders, with different capacity to join in efforts
- **Collaboration:** open access approach needed
- **Dublication:** reduction by networking
- **Minimising bias, ensuring quality:** clear (review) procedures needed - but wide variety of knowledge and approaches needed
- **Striving for relevance:** good linkage and buy-in by policy needed (via a future “EU mechanism”?)



The conference

What to achieve at the conference

1. **Take a look and reflect at the European knowledge & interface landscape** (Monday afternoon)
2. **Discuss solutions for shaping a Network of Knowledge**
 - from technical/administrative perspective (Tuesday morning)
 - from thematic and practical perspective (Tuesday afternoon)
3. **Discuss the international context of IPBES, and its European dimension** (Wednesday morning)
 - **Identify next steps and ways of staying engaged**
 - via future information and exchange
 - via the demonstration cases





Thank you

- > for joining us with your curiosity and concern
- > to help us find new ways for interfacing knowledge and action



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