biodiversa+
European Biodiversity Partnership

Biodiversa+: Strenghtening the knowledge foundations for societal transformation



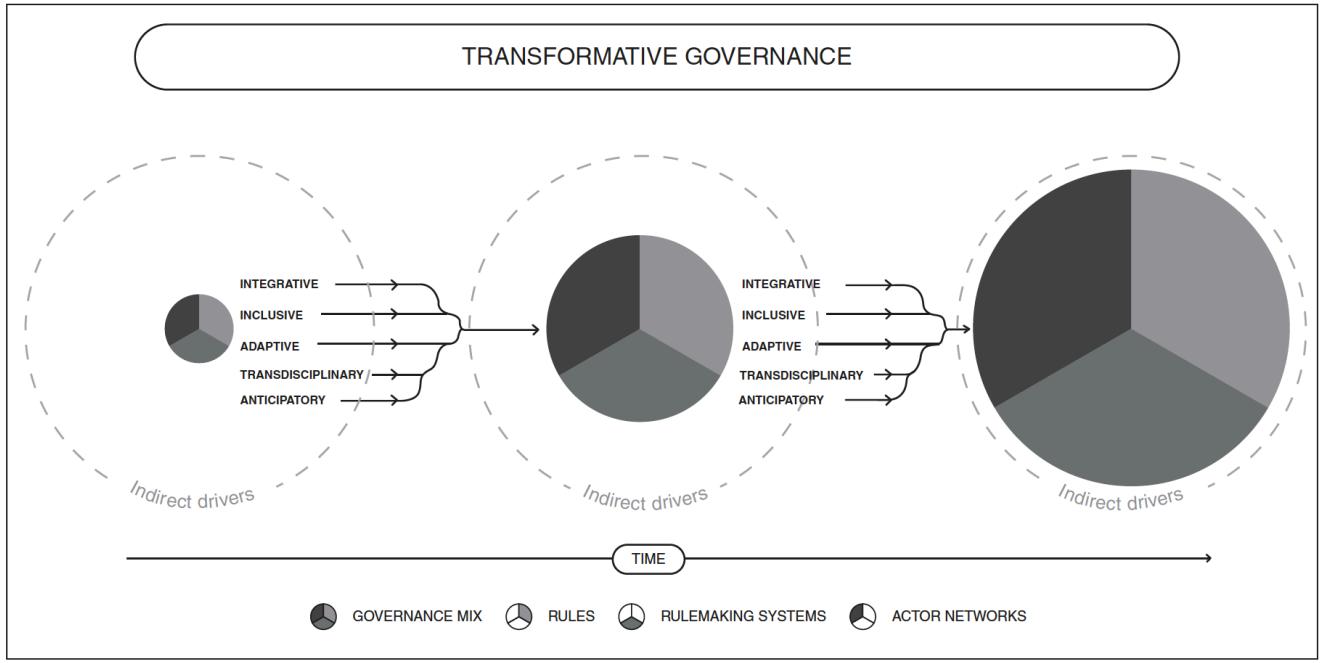
Alternet Conference – 14-17 June 2022, Ghent

Hilde Eggermont – Chair & Coordinator of Biodiversa+

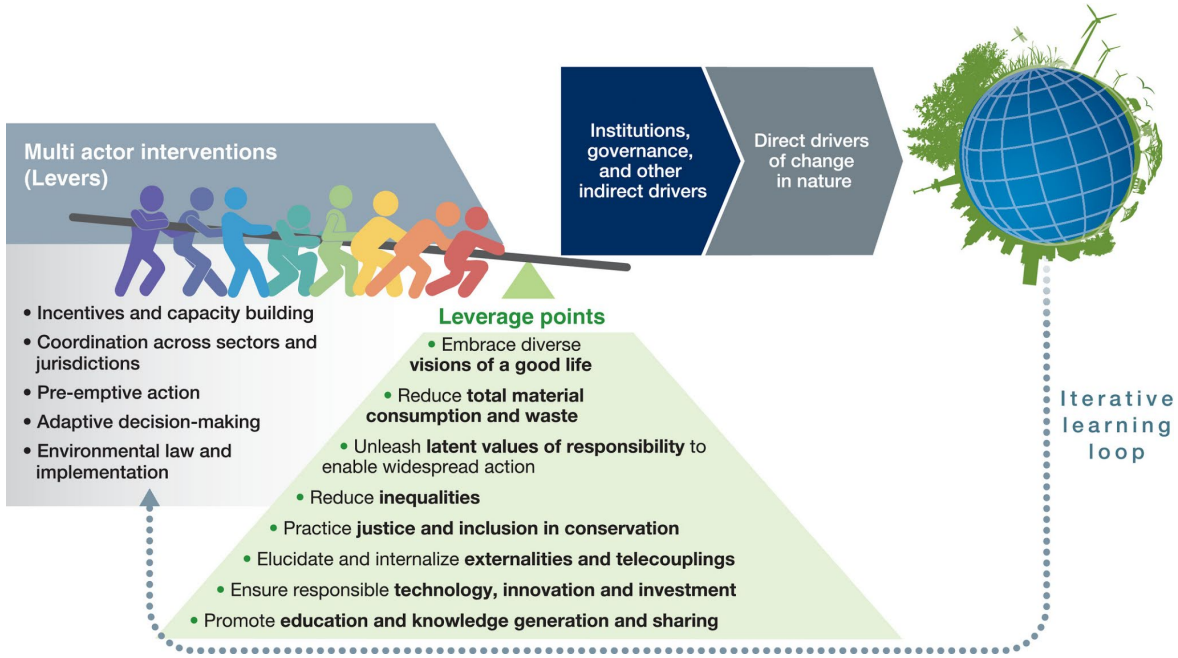
biodiversa+
European Biodiversity Partnership

⇒ Reflected in the Biodiversa+ Programme, Strategy & Themes,

its inclusive & transdisciplinary approach, collaborations



I Visseren-Hamakers & M Kok (2022) (Eds) Transforming Biodiversity Governance



IPBES Global Assessment (2019)

biodiversa+
European Biodiversity Partnership

Biodiversa+

‘Partnership/Programme’



Biodiversa+ building on the BiodivERsA experience (2008-2021)





raised by BiodivERsA Partners and the EC

Over 2008-2020:

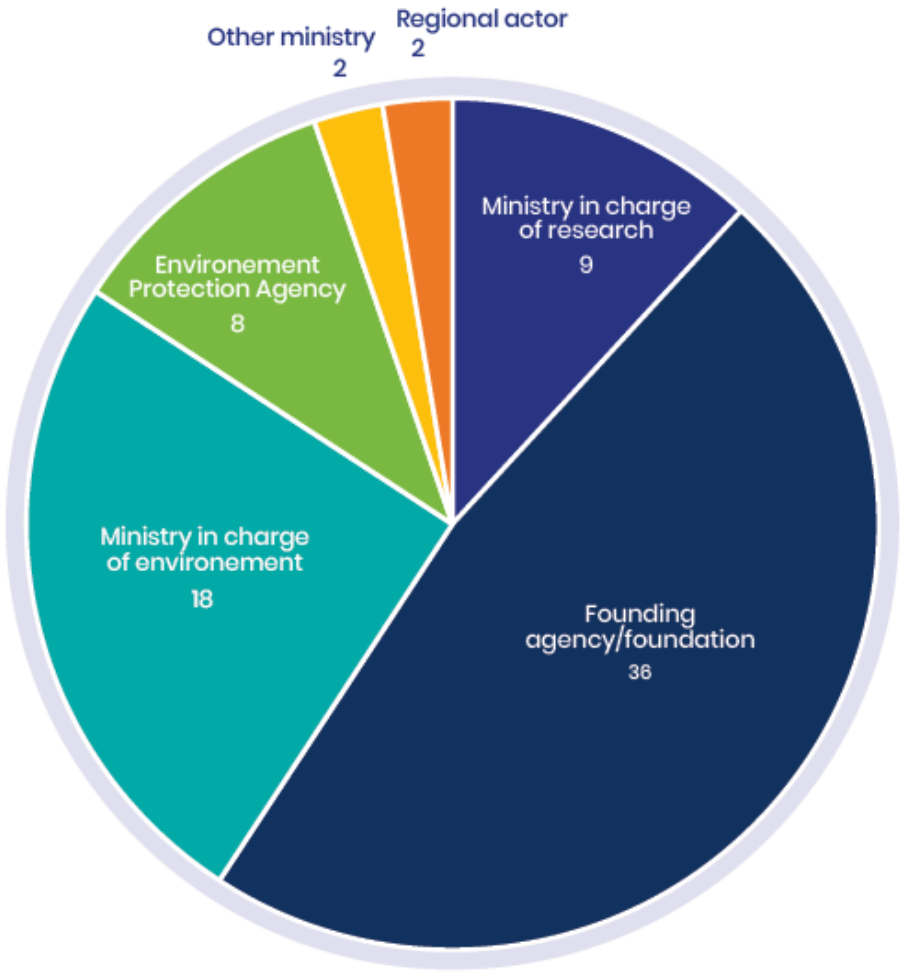


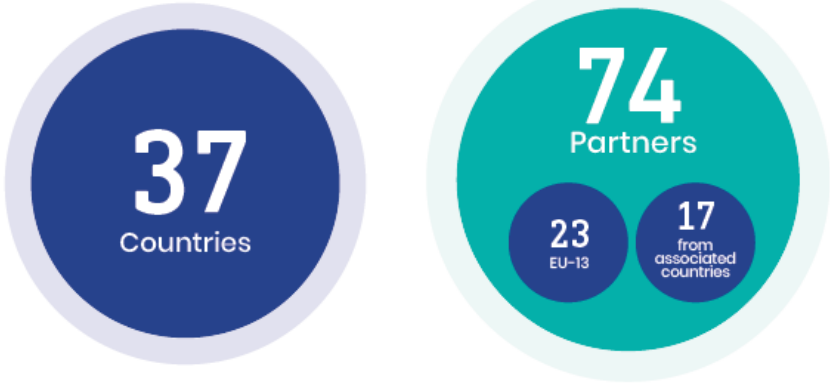
projects funded | teams funded | scientists

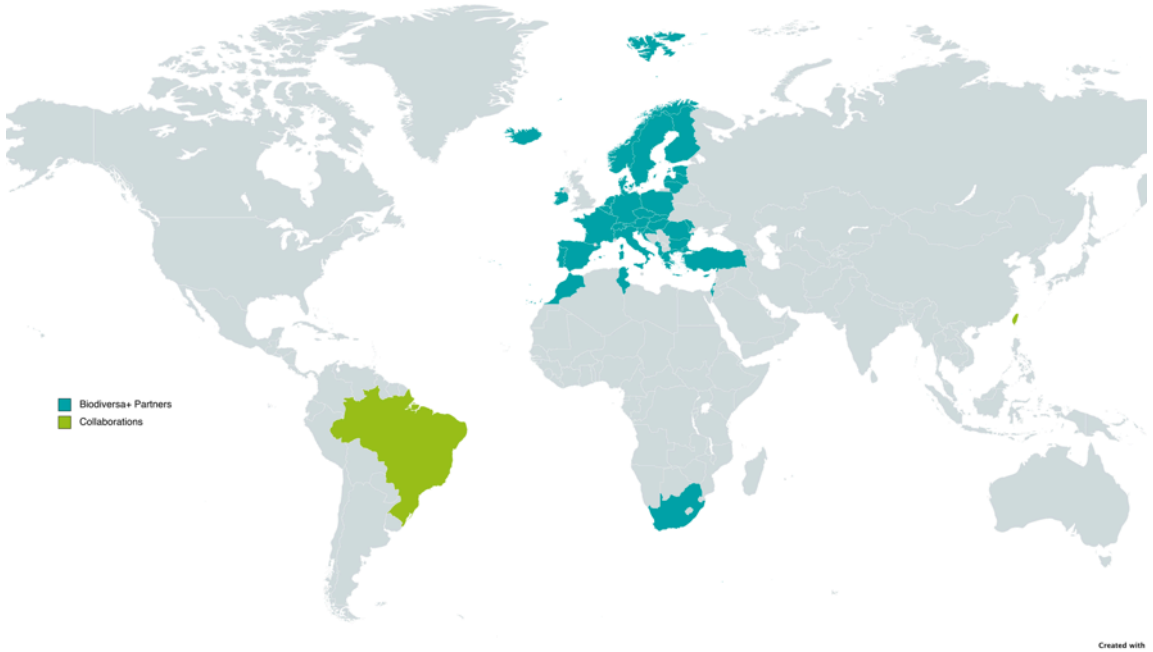
biodiversa+
European Biodiversity Partnership

Biodiversa+

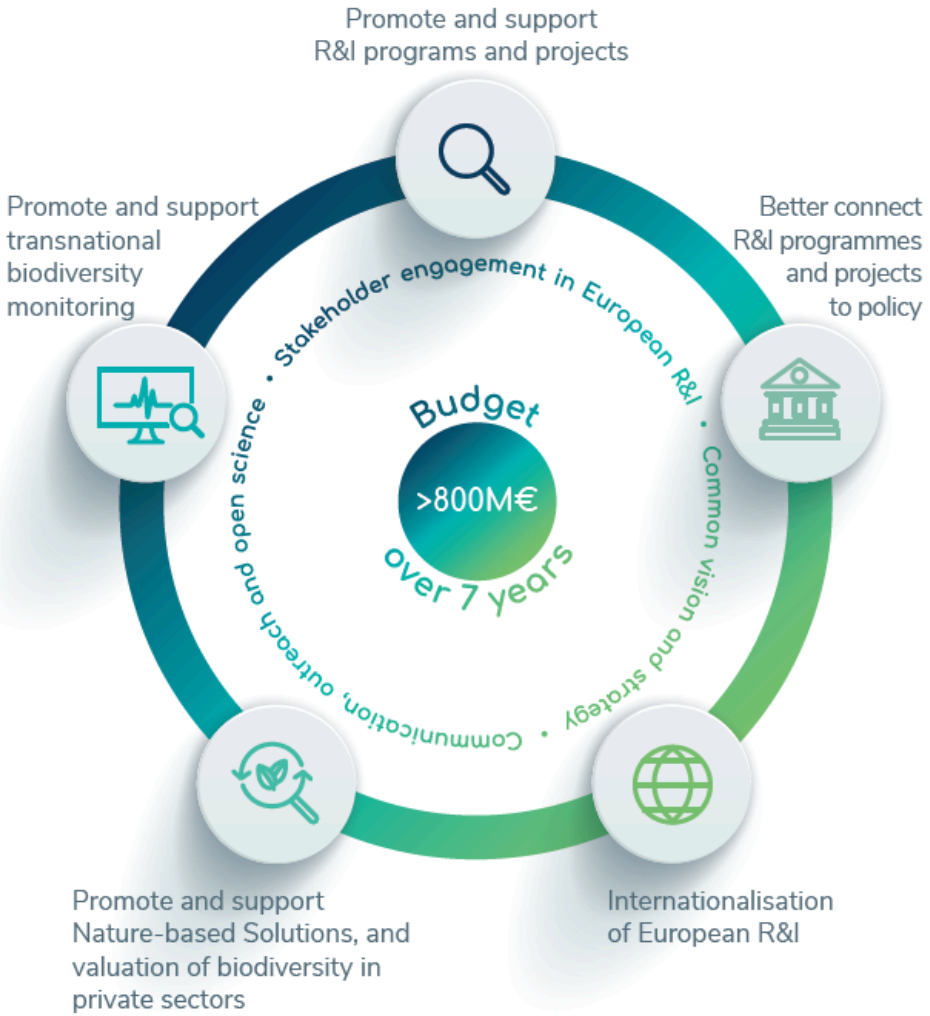
Extended membership..!







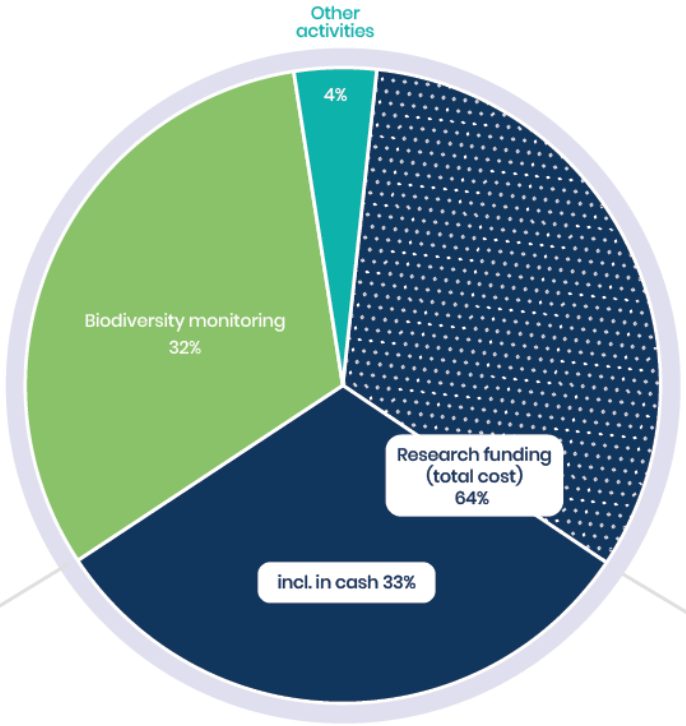
Extended portfolio of activities & budget amplitude…!



Budget of >800 Mio € over 7 yrs, combining in-cash and in-kind resources from its Partners and including 165 Mio € by the European Commission

6
Calls planned

Typically
>42M€
(in cash) per call



Co-funded by the European Union

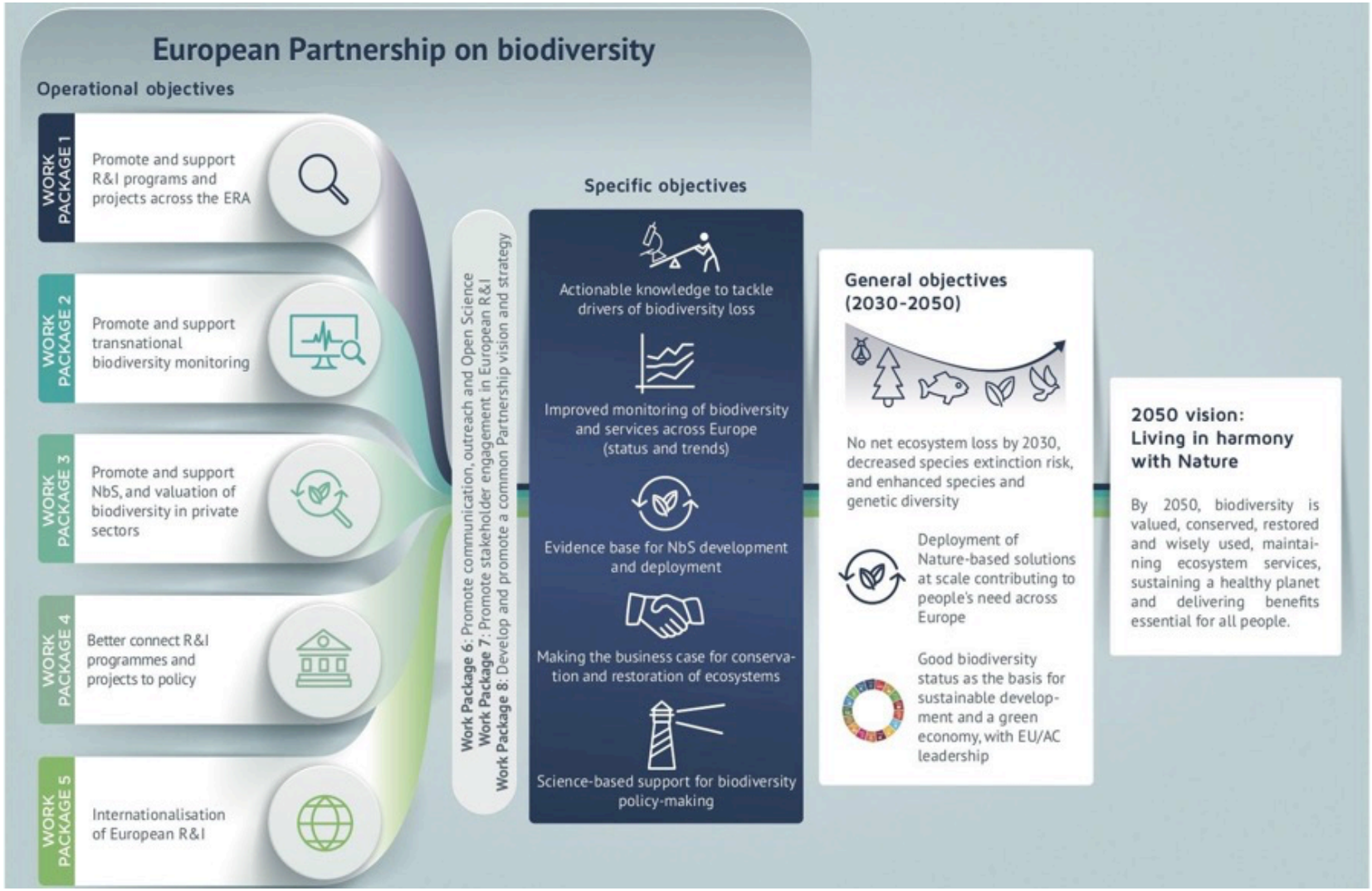
biodiversa+
European Biodiversity Partnership

www.biodiversa.org

Aligned with the new policy context

EU Biodiversity Strategy 2030:

"… making the bridge between science, policy & practice..."



biodiversa+
European Biodiversity Partnership

biodiversa+
European Biodiversity Partnership

Biodiversa+

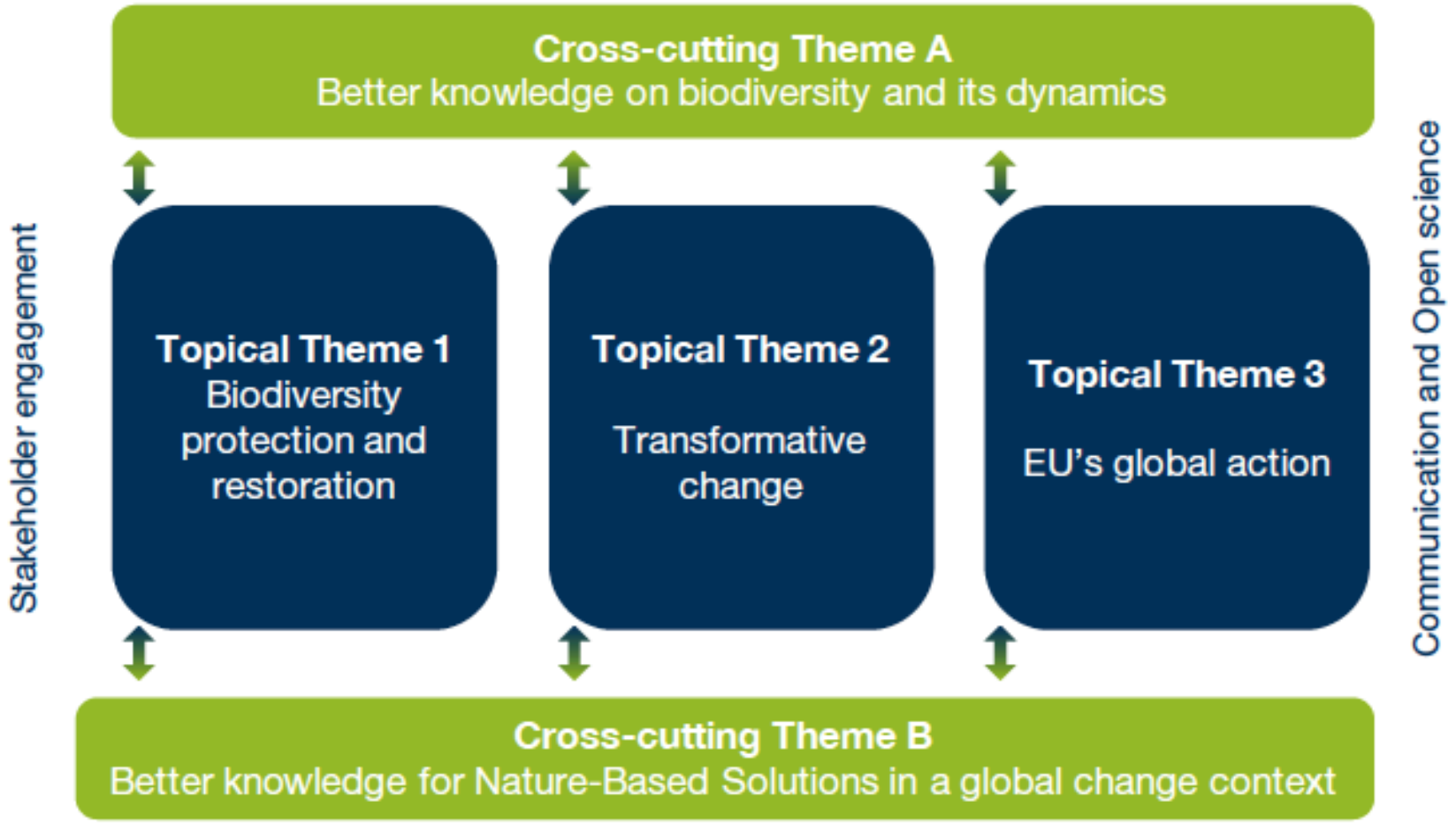
‘Strategy & Themes’



Strategic Research & Innovation Agenda



- Aligned EU Biodiv Strat 2030
- Action oriented/ Impact for society & policy => themes that can contribute to societal transformation
- Groundbreaking & excellent science
- Mainstreaming of biodiversity across sectors and policies
- Complementarity with Horizon Europe
- Feeding the EU's long-term biodiversity research strategy

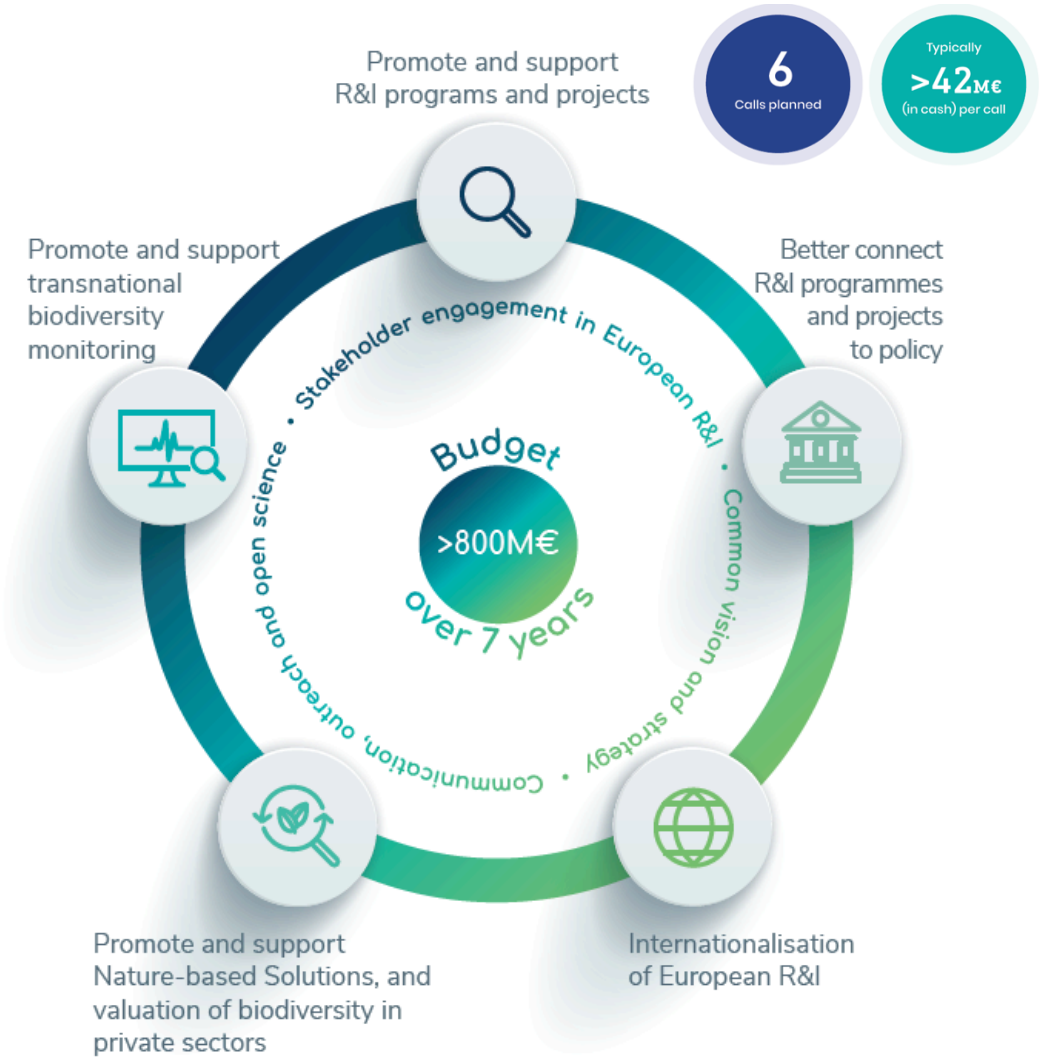


biodiversa+
European Biodiversity Partnership

Eggermont H., Le Roux X., Tannerfeldt M. Enfedaque, J., Zaunberger, K. & Biodiversa+ partners (2021). Strategic Research & Innovation Agenda. Biodiversa+, 108 pp.

What are Biodiversa+ flagship programmes ?





biodiversa+
European Biodiversity Partnership

What are Biodiversa+ flagship programmes ?



6 to 10 Flagship Programmes

FLAGSHIP PROGRAMMES

Promote and support R&I programs and projects

6 Calls planned

Typically >42M€ (in cash) per call

Promote and support transnational biodiversity monitoring

Better connect R&I programmes and projects to policy

Stakeholder engagement in European R&I • Common vision and strategy • Communication, outreach and open science •

Budget >800M€ over 7 years

Promote and support Nature-based Solutions, and valuation of biodiversity in private sectors

Internationalisation of European R&I

IMPACT

biodiversa+
European Biodiversity Partnership

FLAGSHIP PROGRAMMES

2 FLAGSHIP PROGRAMMES STARTING YEAR 1

Supporting the protection of biodiversity & ecosystems across land and sea

⇒ co-funded joint call launched Oct 2021 (40 Mio€; 34 countries)

Improved transnational monitoring of biodiversity to better characterize, understand and report on biodiversity dynamics & trends

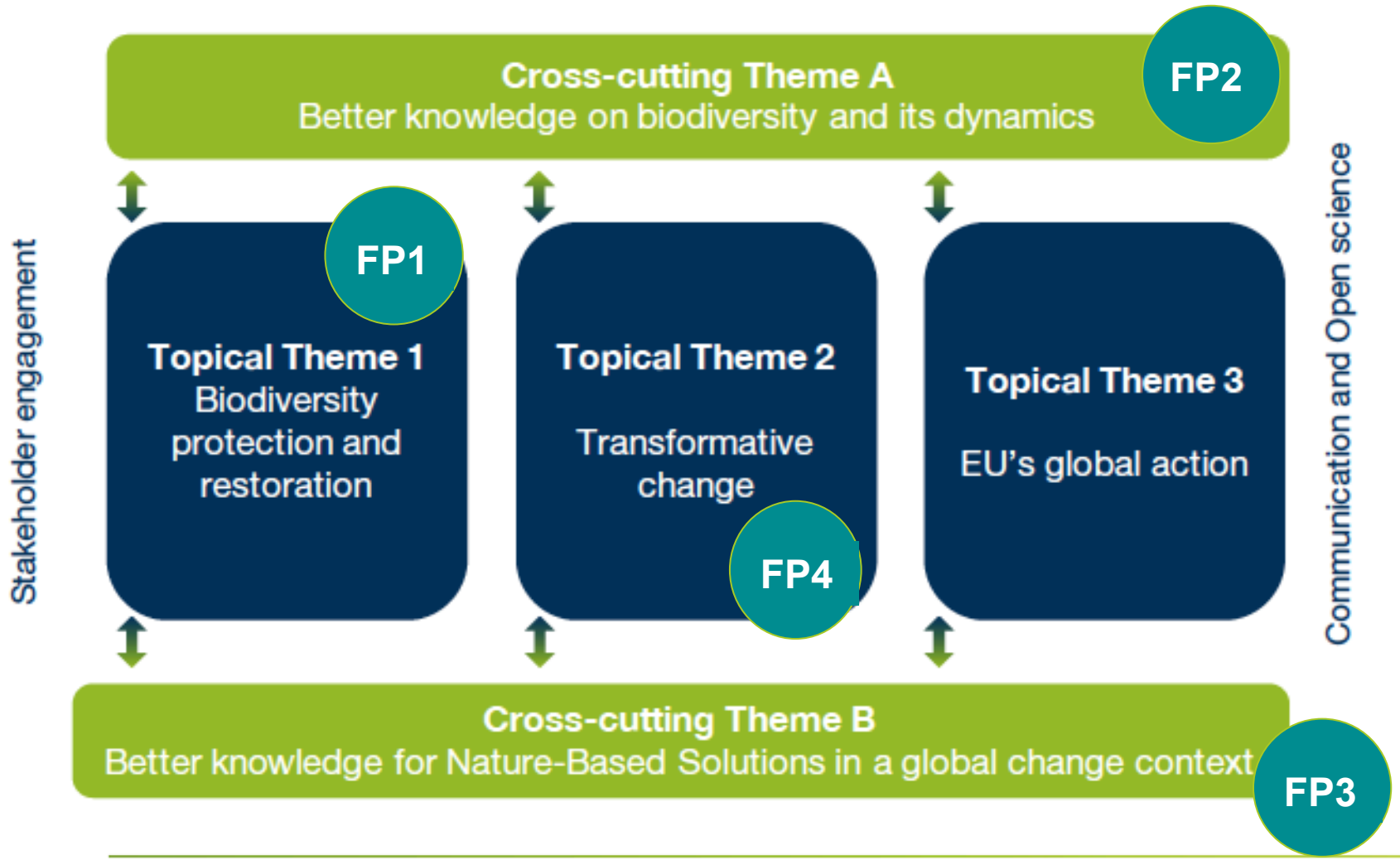
⇒ co-funded joint call launched in 2022 => !! **PRE-LAUNCH!! www.biodiversa.org/2052**

2 FLAGSHIP PROGRAMMES STARTING YEAR 2

Better knowledge to develop, deploy and assess Nature-based solutions

Supporting societal transformation for the sustainable use of biodiversity

Links to SRIA Themes



biodiversa+
European Biodiversity Partnership

Biodiversa+ flagship programme #1
Supporting biodiversity and ecosystem protection

This flagship programme includes one joint call:

- **THEME 1** – Knowledge for identifying priority conservation areas, establishing effective and resilient ecological networks, enhancing species-based protection and preserving genetic diversity
- **THEME 2** – Multiple benefits and costs of biodiversity and ecosystem protection: synergies and trade-offs
- **THEME 3** – Effective management and equitable governance to deliver bold conservation outcomes



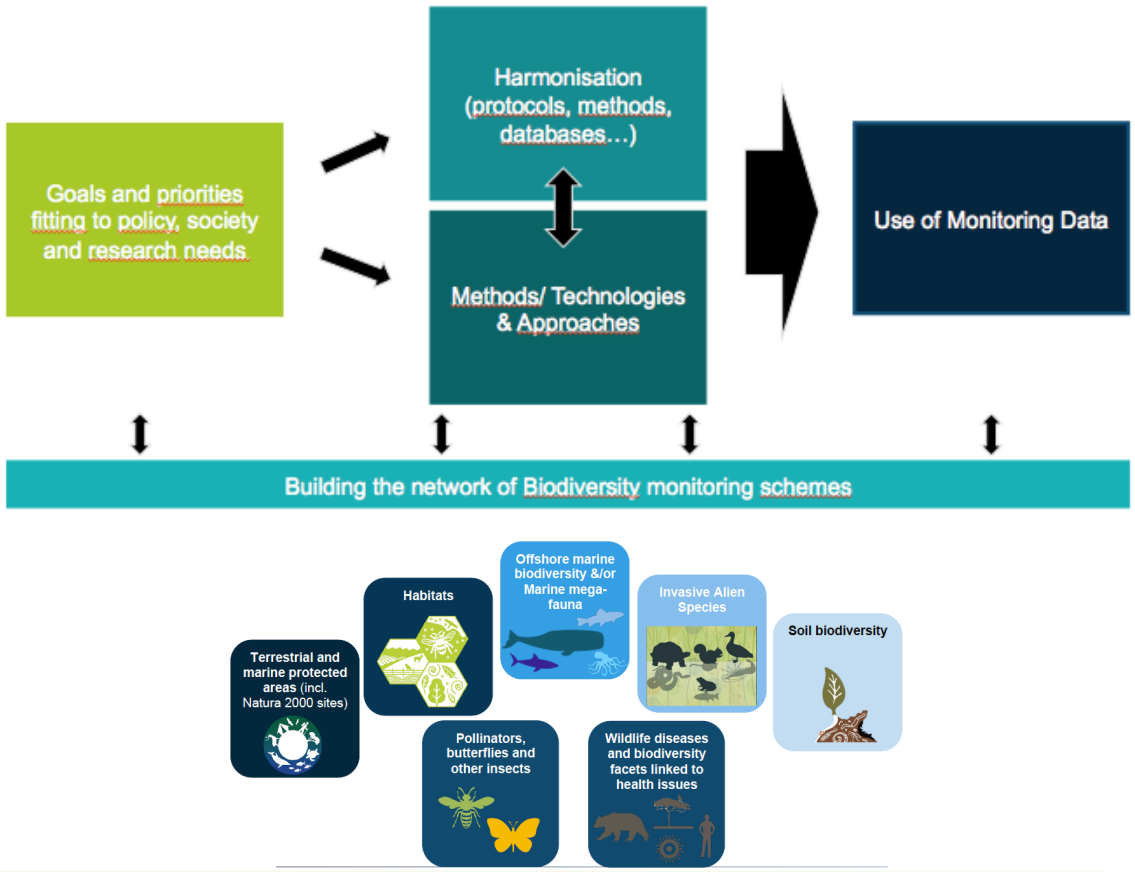
biodiversa+
European Biodiversity Partnership

Biodiversa+ flagship programme #2
Reinforcing and harmonizing biodiversity monitoring

including
1 call
>40 M€

OBJECTIVES

- To establish a transnational network of biodiversity monitoring schemes for a few selected biodiversity facets, including harmonizing protocols, data format and interoperability, and methods;
- To develop and deploy new technologies and approaches & promote citizen science
- To increase the use of biodiversity monitoring data by R&I/private & public decision making



biodiversa+
European Biodiversity Partnership

Biodiversa+ flagship programme #3
Better knowledge to develop, deploy and assess nature-based solutions

OBJECTIVES

- Better knowledge to develop, deploy and assess nature-based solutions, including in urban settings and taking into account the context of climate change;
- Increased awareness of the cost-effectiveness and sustainability of nature-based solutions;
- Promoting ecological transition in various contexts and at different scales



Source: https://knowledge4policy.ec.europa.eu/

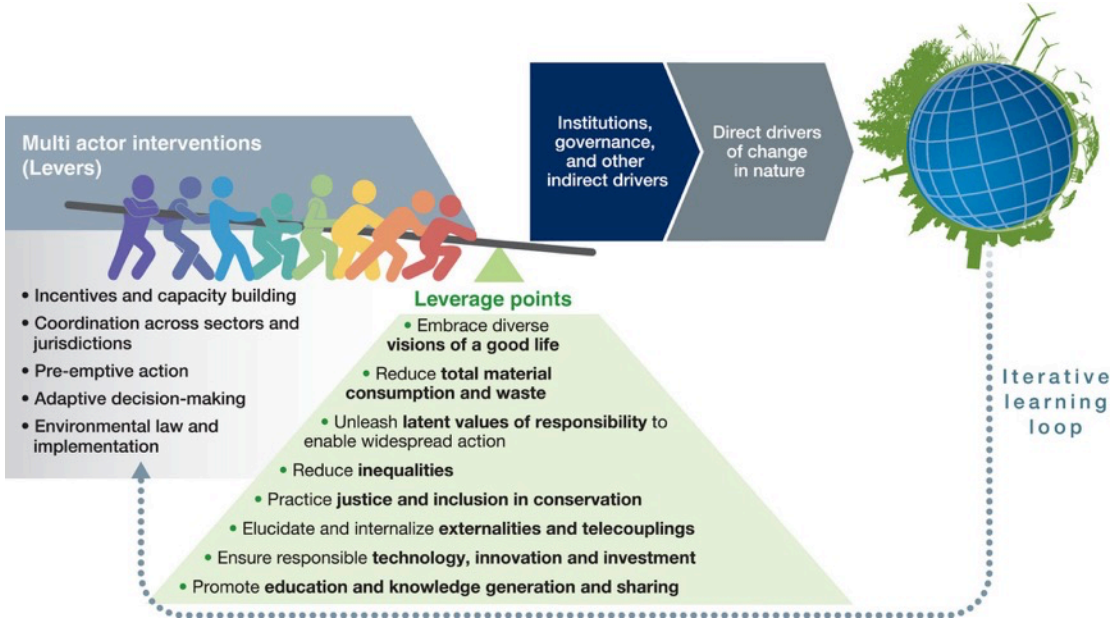
biodiversa+
European Biodiversity Partnership

Biodiversa+ flagship programme #4

Supporting societal transformation for the sustainable use and management of biodiversity

OBJECTIVES

- Promote societal transformation to mainstream biodiversity considerations across sectors and policies, and better valuation of biodiversity and its benefits to people;
- Promote social–ecological systems analysis of complex interactions to identify effective pathways to the conservation of biodiversity;
- Develop empirically justified governance strategies that improve synergies between nature conservation schemes and management of human-altered environments



Source: IPBES Global Assessment

biodiversa+
European Biodiversity Partnership

FLAGSHIP PROGRAMMES

FLAGSHIP TOPICS ON RADAR (non-exclusive list)

- **Supporting the restoration of biodiversity & ecosystems across land and sea**
- **Biodiversity for supporting sustainable agriculture and forestry (including spatial planning, agro-ecology)**
- **Biodiversity & (One)Health**
- **Supporting EU's contribution to global biodiversity conservation**

biodiversa+
European Biodiversity Partnership

Biodiversa+

‘An inclusive Approach’

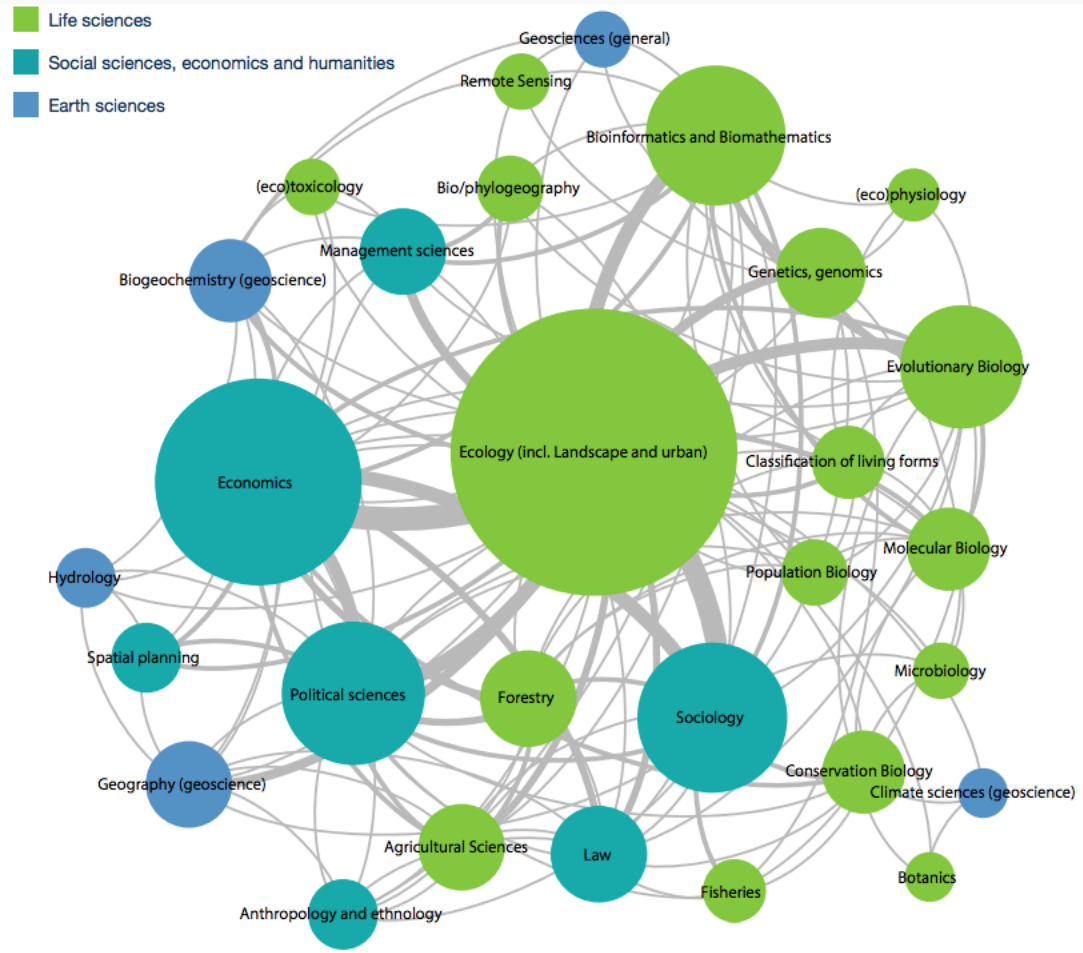


Transdisciplinarity

Very good level of trans- and multidisciplinarity in the Biodiversa projects

⇒ topic of the calls (e.g. valuation, and ES)

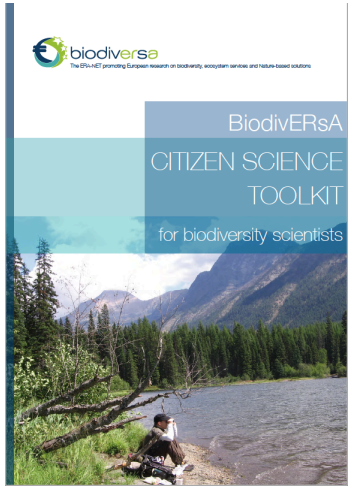
⇒ the way the call texts were shaped and phrased (mobilization of both natural & social scientists!!)

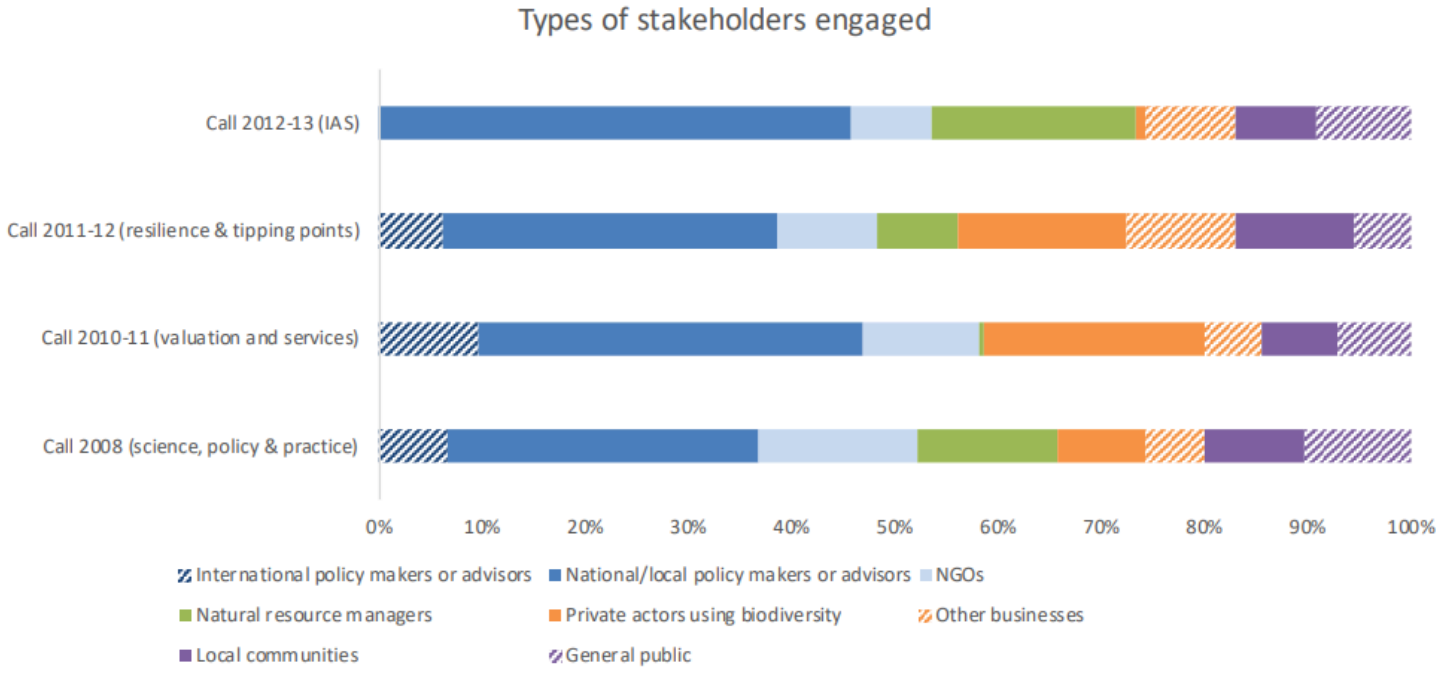


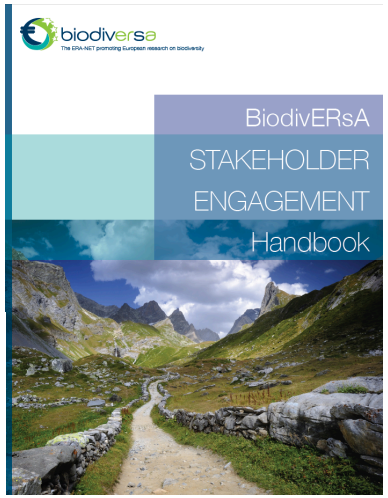
Map of collaborations between scientific disciplines in Biodiversa calls 2010-11, 2011-12 and 2012-13
Lemaitre & Le Roux (2021) - 2010-2013 Calls analysis of the outputs of Biodiversa funded projects

biodiversa+
European Biodiversity Partnership

Engagement in Biodiversa+ funded projects









Knowledge co-created between researchers & different type of stakeholders

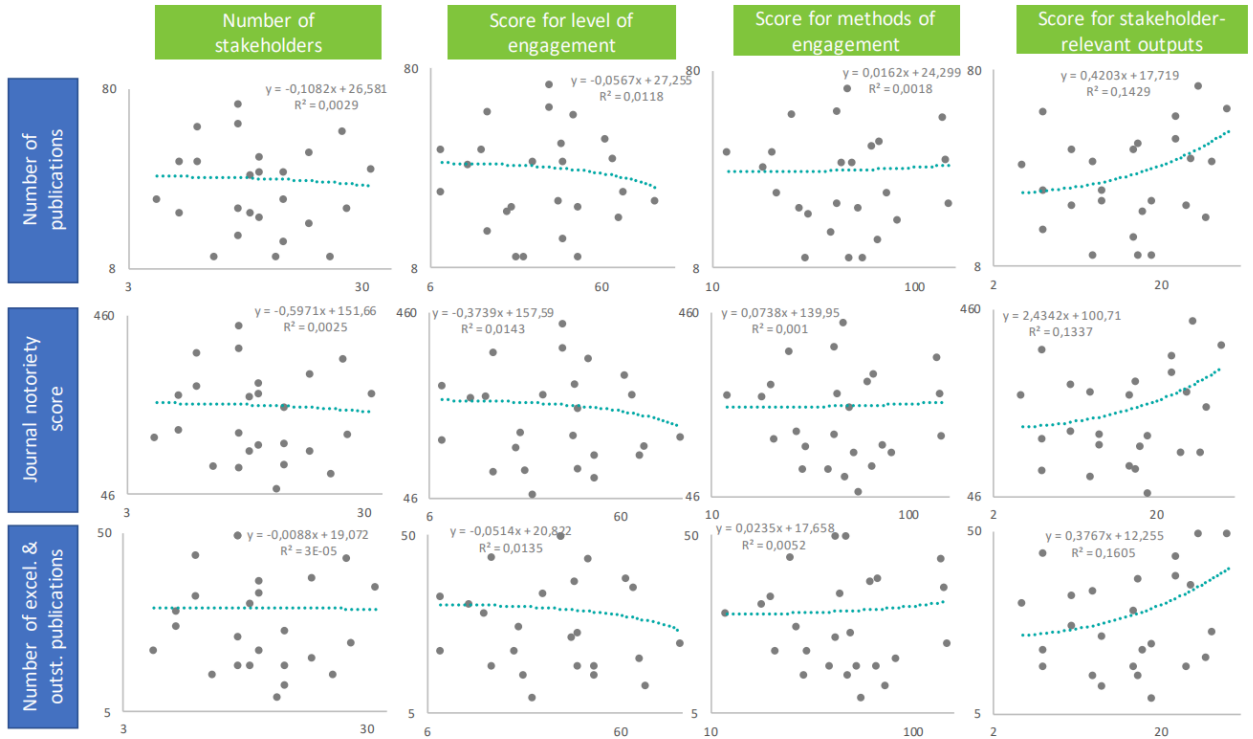
Mean percentage of stakeholder types engaged per project
Lemaitre & Le Roux (2021) - 2010-2013 Calls analysis of the outputs of Biodiversa funded projects

biodiversa+
European Biodiversity Partnership

Engagement in Biodiversa+ funded projects

- many biodiversity researchers have developed skills to collaborate with relevant societal groups, reaching very efficiently the goals of scientific excellence and relevance of their research for society & policy (no trade-off!)

- Biodiversa successful in transcending the frontiers assumed between basic & applied research.

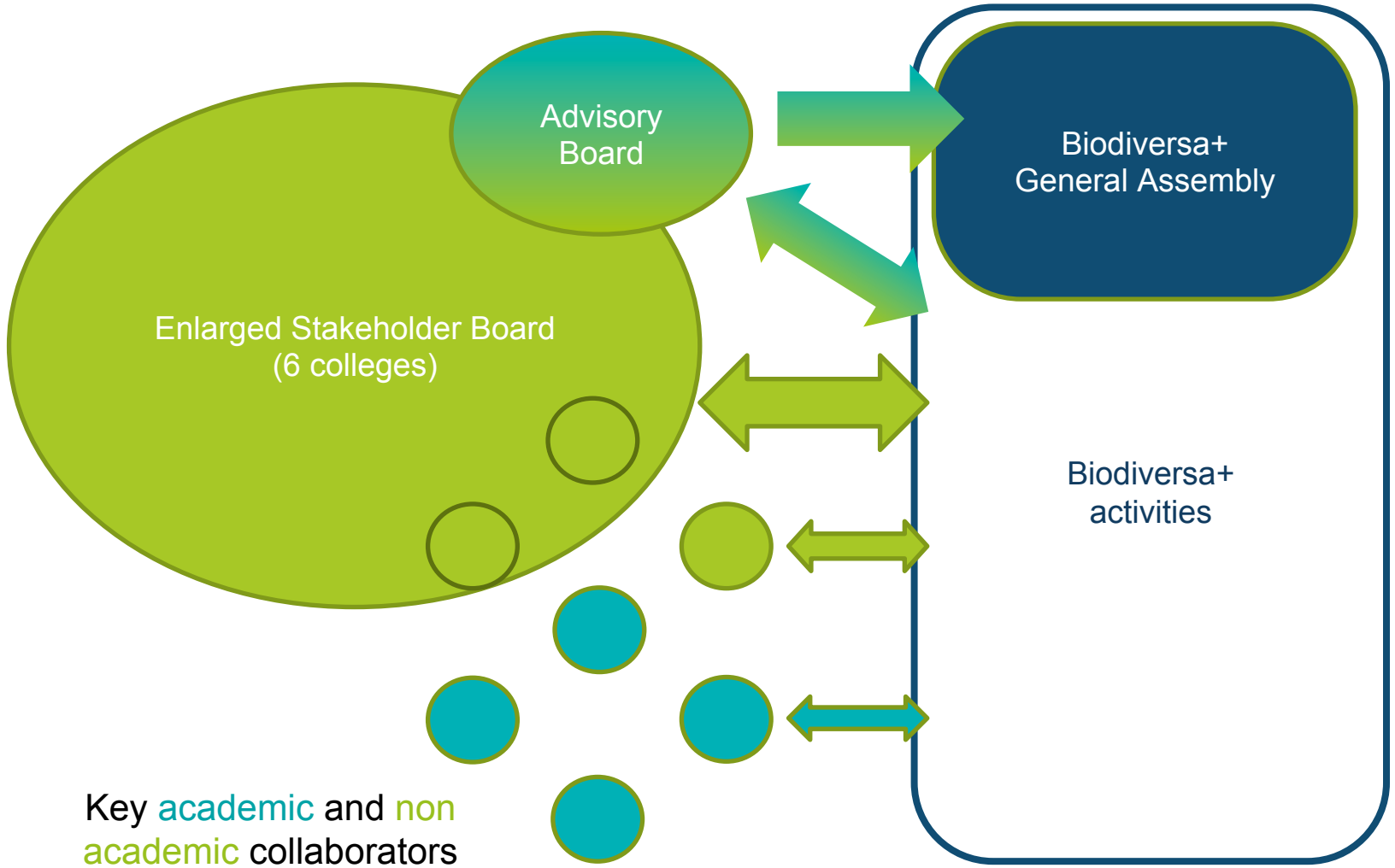


Testing for possible trade-offs between academic excellence and investment in stakeholder engagement and generation of research products relevant for society
Lemaitre & Le Roux (2021) - 2010-2013 Calls analysis of the outputs of Biodiversa funded projects

Engagement in Biodiversa+

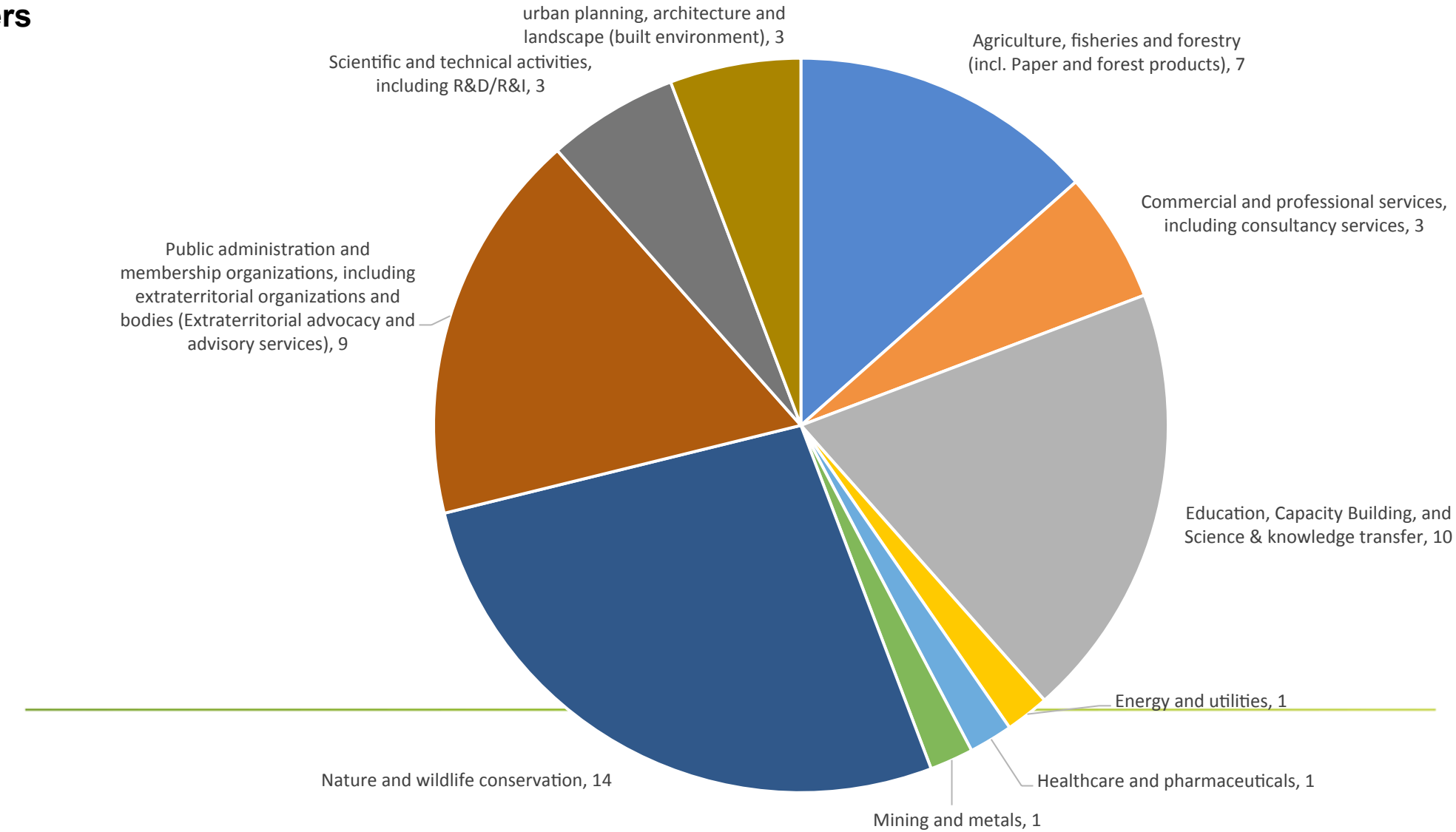
Channels for engagement

- Enlarged Stakeholder Board – 6 colleges:
  - Economic & industrial activities
  - Habitat, species & nature conservation
  - Relations with the public
  - Wild & genetic resources
  - Boundary organisations
  - European policy makers & advisor
- Advisory Board
- Key collaborations *(under development)*
- Biodiversa+ Biome *(under development)*



ESB: 52 members, divided in 6 colleges

Sector of ESB members



biodiversa+
European Biodiversity Partnership

biodiversa+

European Biodiversity Partnership

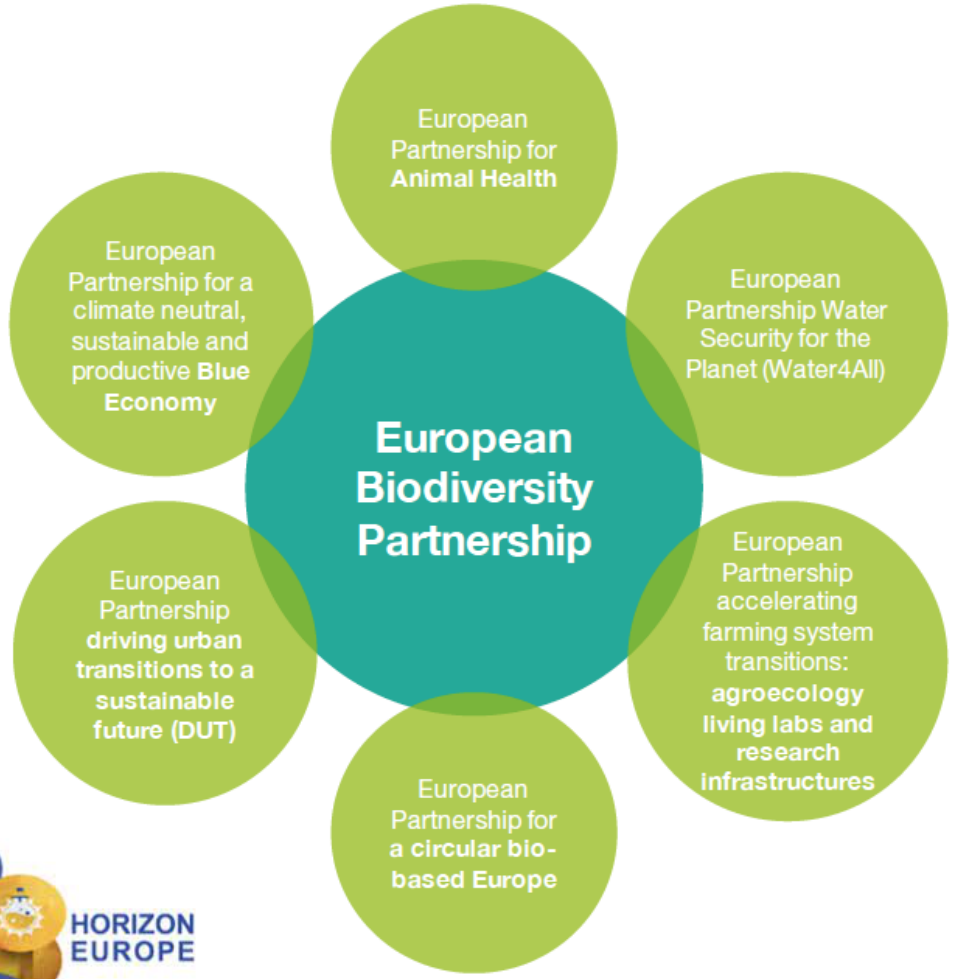
Biodiversa+

‘Collaborations’



Building on existing & new initiatives



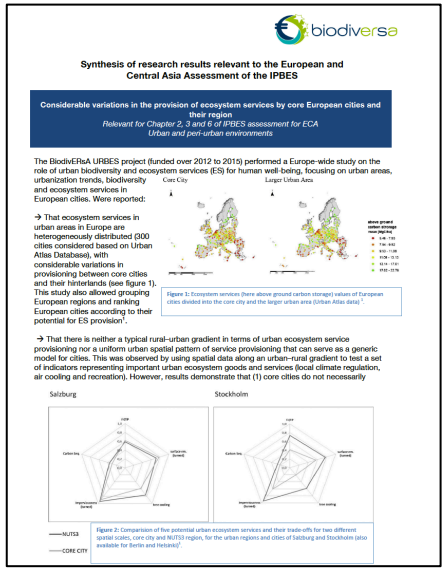


... and many more!

biodiversa+
European Biodiversity Partnership

biodiversa+
European Biodiversity Partnership

ipbes
Science and Policy
for People and Nature


biodiversa

Synthesis of research results relevant to the European and Central Asia Assessment of the IPBES

Considerable variations in the provision of ecosystem services by core European cities and their region

Relevant for Chapter 2, 3 and 6 of IPBES assessment for ECA
Urban and peri-urban environments

The BiodivERsA URBES project (funded over 2012 to 2015) performed a Europe-wide study on the role of urban biodiversity and ecosystem services (ES) for human well-being, focusing on urban areas, urbanization trends, biodiversity and ecosystem services in European cities. Were reported:

→ That ecosystem services in urban areas in Europe are heterogeneously distributed (300 cities considered based on Urban Atlas Database), with considerable variations in provisioning between core cities and their hinterlands (see figure 1). This study also allowed grouping European regions and ranking European cities according to their potential for ES provision[1].

Core City
Larger Urban Area

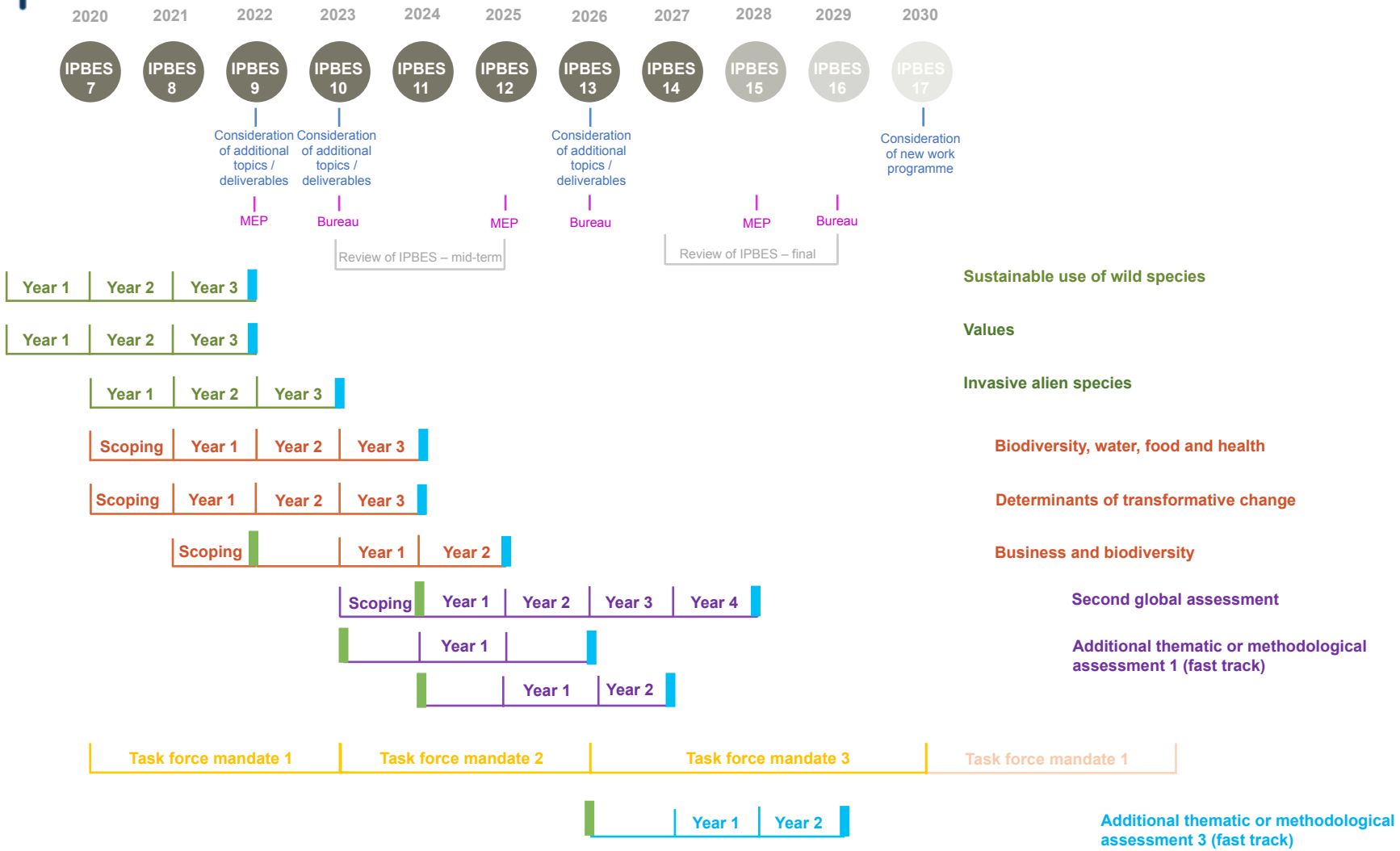
Figure 1: Ecosystem services (here above ground carbon storage) values of European cities divided into the core city and the larger urban area (Urban Atlas data) [1]

→ That there is neither a typical rural–urban gradient in terms of urban ecosystem service provisioning nor a uniform urban spatial pattern of service provisioning that can serve as a generic model for cities. This was observed by using spatial data along an urban–rural gradient to test a set of indicators representing important urban ecosystem goods and services (local climate regulation, air cooling and recreation). However, results demonstrate that (1) core cities do not necessarily

Salzburg
Stockholm

Figure 2: Comparision of five potential urban-ecosystem services and their trade-offs for two different spatial scales, core city and NUTS3 region, for the urban regions and cities of Salzburg and Stockholm (also available for Berlin and Helsinki)[1].

NUTS3
CORE CITY



biodiversa+
European Biodiversity Partnership

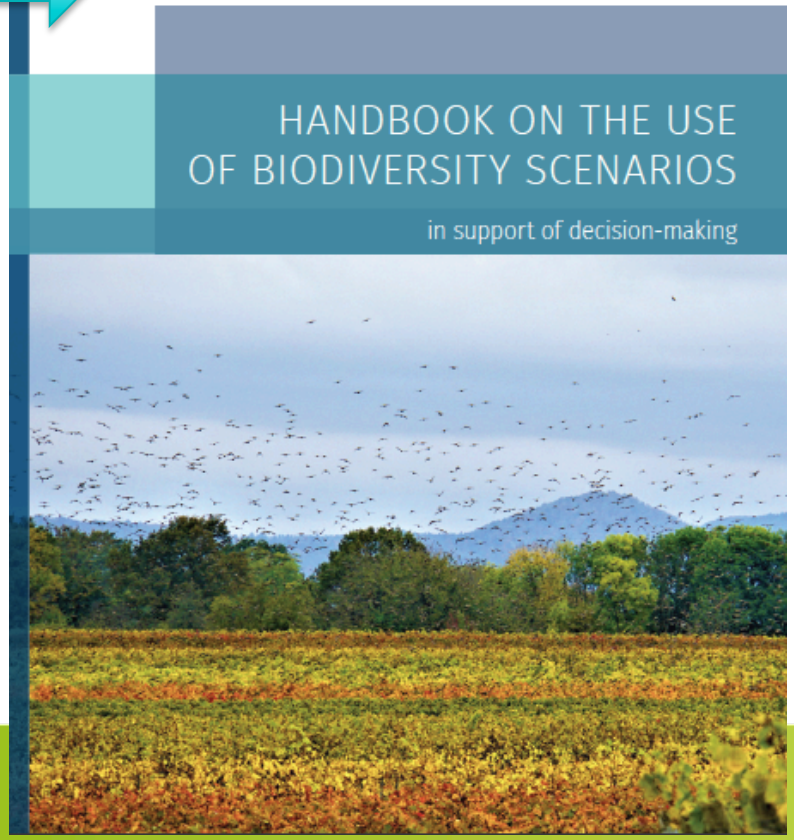
ipbes
Science and Policy for People and Nature

Biodiversa+ and the IPBES: a two way interaction

Assessment	Deliver global, regional, thematic and methodological assessments
Policy support	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 policymakers, and catalyse efforts to generate new knowledge

biodiversa
The ERA-NET promoting European research on biodiversity

BELMONT FORUM



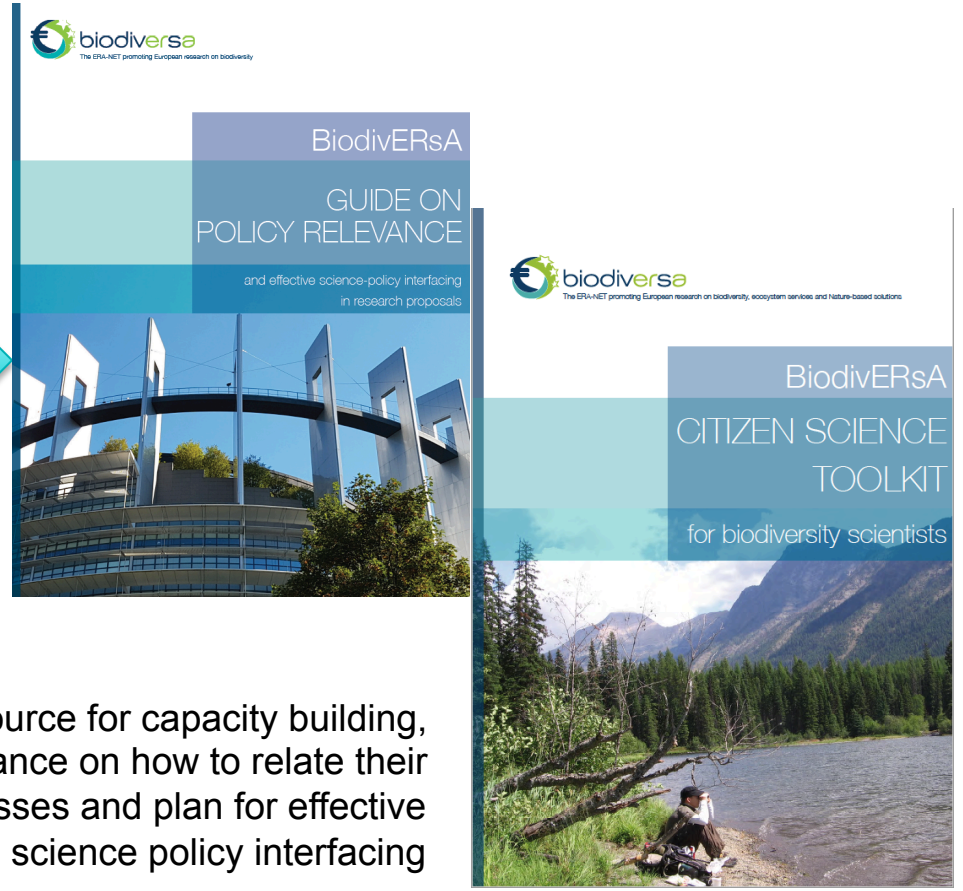
Practical toolkit (lesson learned from Biodiversa projects) on the use of scenarios in decision-making

biodiversa+
European Biodiversity Partnership

ipbes
Science and Policy for People and Nature

Biodiversa+ and the IPBES: a two way interaction

Assessment	Deliver global, regional, thematic and methodological assessments
Policy support	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 policymakers, and catalyse efforts to generate new knowledge



- Biodiversa guides, a key resource for capacity building,
- Fellowship Programme: Hands-on guidance on how to relate their research to international policy processes and plan for effective science policy interfacing

biodiversa+
European Biodiversity Partnership

ipbes
Science and Policy for People and Nature

Assessment	Deliver global, regional, thematic and methodological assessments
Policy support	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 policymakers, and catalyse efforts to generate new knowledge

In 2019, selected to co-host the Technical Support Unit on Knowledge and Data

Biodiversa+ and the IPBES: a two way interaction

Proposed steps for the task force to catalyse the generation of new knowledge

Identification and dialogue set up with relevant external organizations

1. **Supporting the process** of knowledge gaps identification by IPBES assessment authors

2. **Promoting awareness and use** of identified gaps by engaging research programming organizations

Inclusion as appropriate in programmes that could tackle these needs

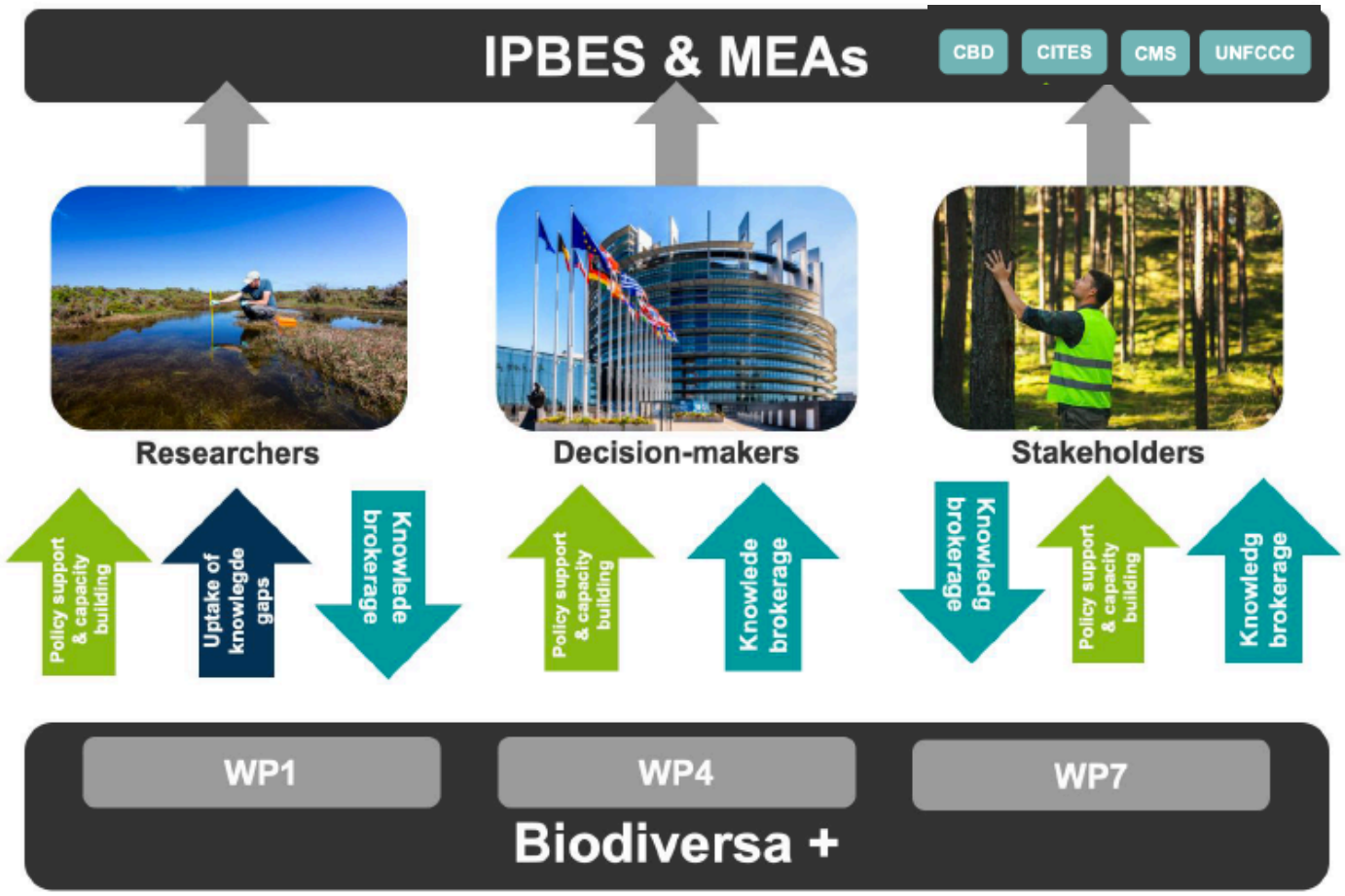
Implementation of **new research programmes** by engaged programmer and funder organizations

3. **Monitoring and follow up** on how new knowledge generated helps fill identified gaps

New knowledge generation

biodiversa+
European Biodiversity Partnership

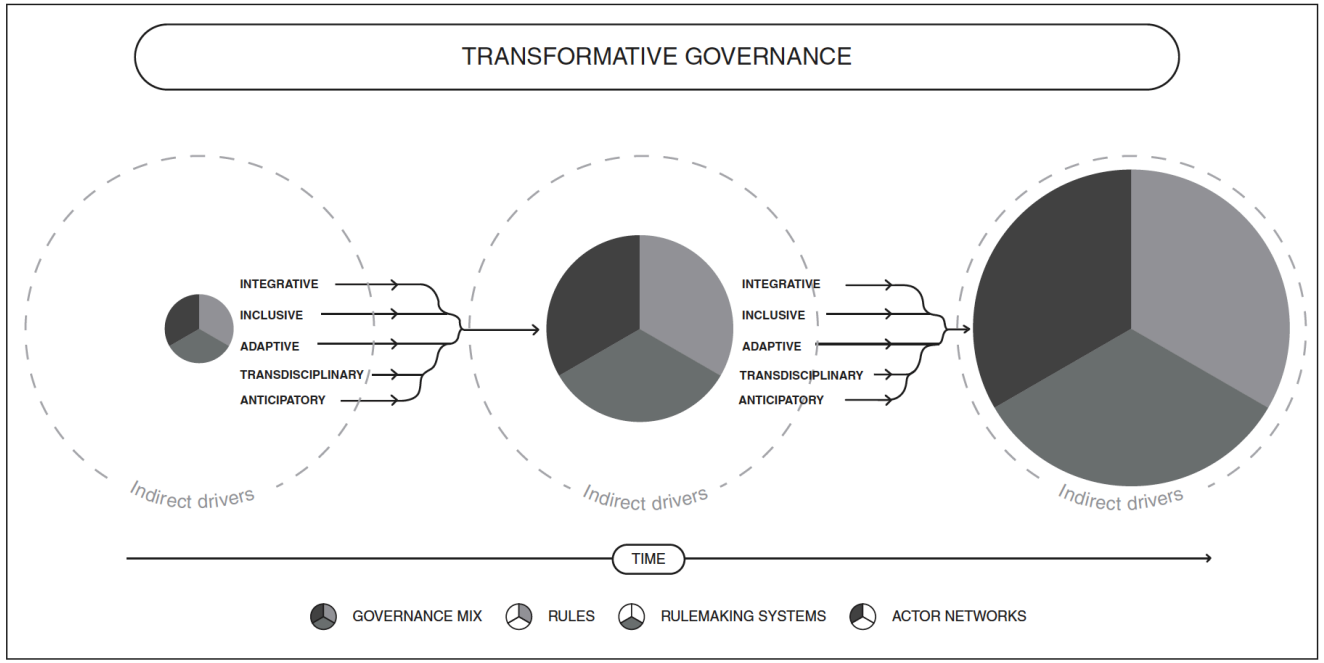
Biodiversa+ and the MEAs: Adaptive to the policy context



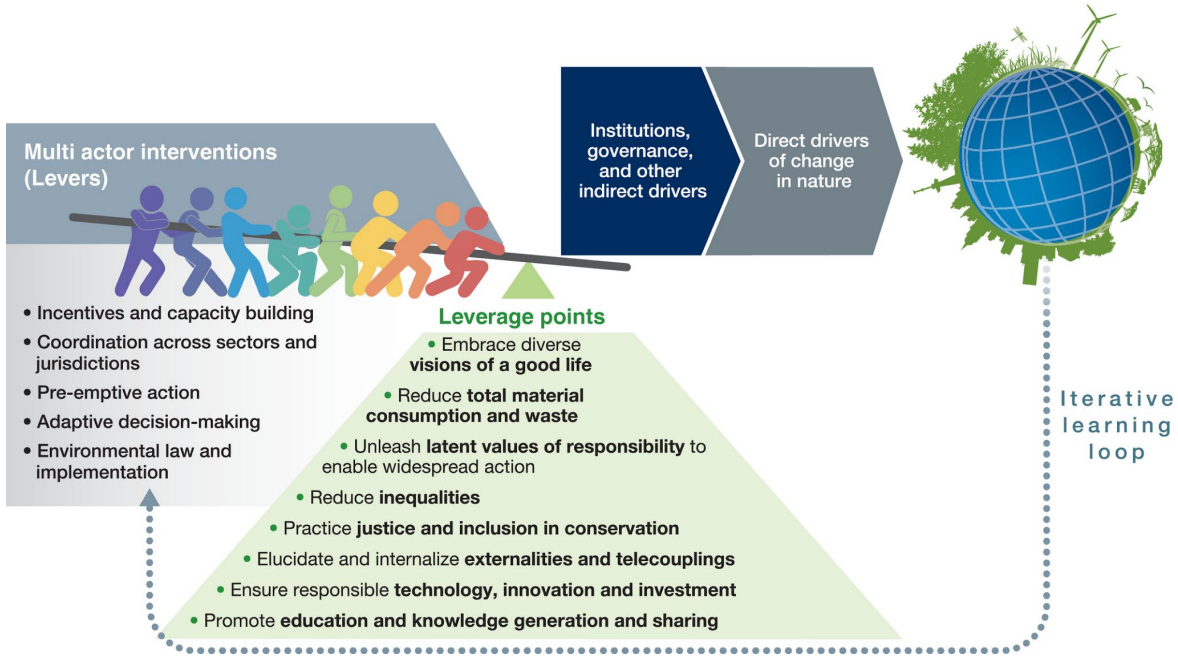
biodiversa+
European Biodiversity Partnership

⇒ Reflected in the Biodiversa+ Programme, Strategy & Themes,

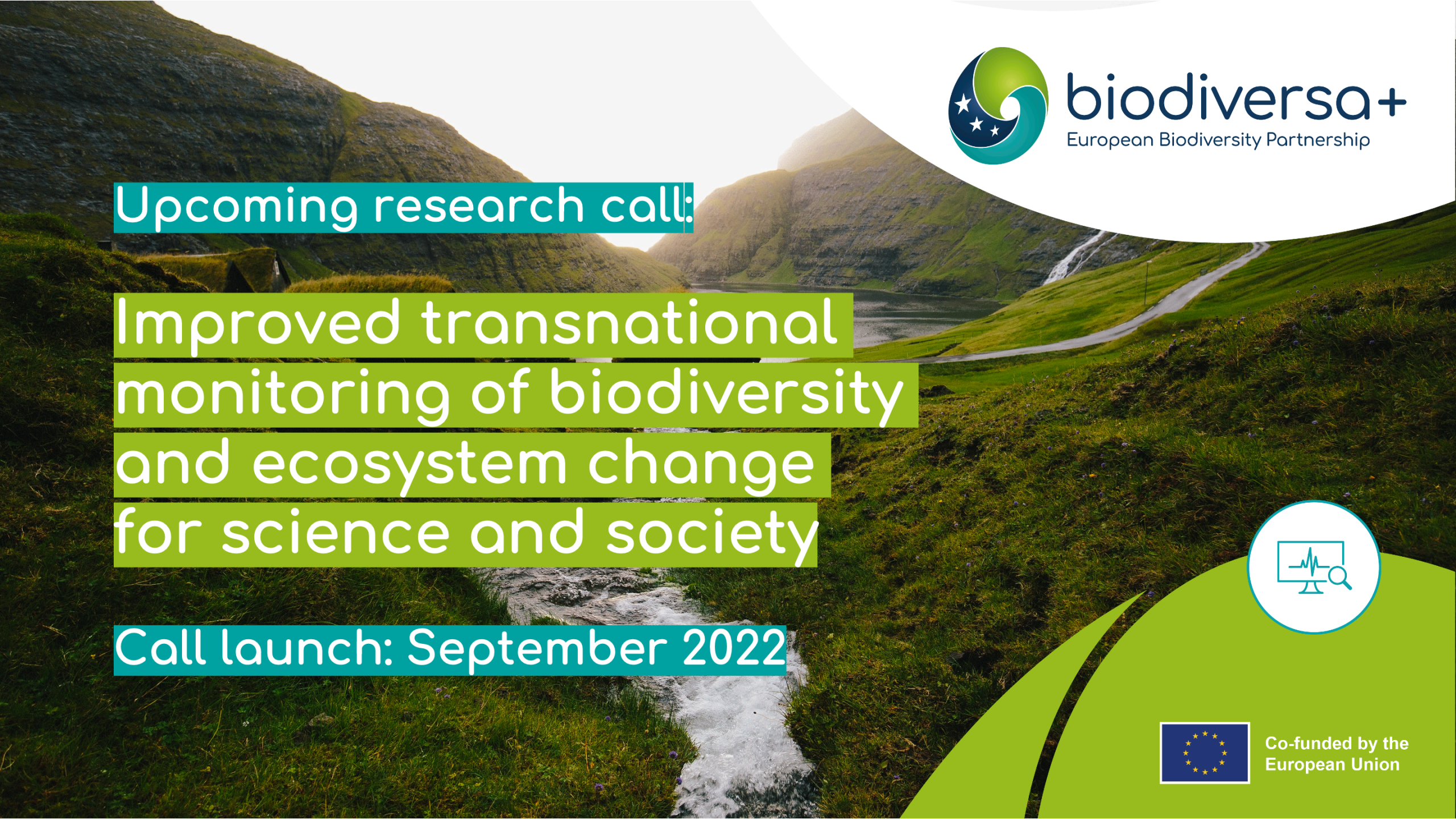
its inclusive & transdisciplinary approach, and collaborations



I Visseren-Hamakers & M Kok (2022) (Eds) Transforming Biodiversity Governance



IPBES Global Assessment (2019)



biodiversa+
European Biodiversity Partnership

Upcoming research call:

Improved transnational monitoring of biodiversity and ecosystem change for science and society

Call launch: September 2022

Co-funded by the European Union

Improved transnational monitoring of biodiversity and ecosystem change for science and society

This call will cover the following three non-exclusive research themes:

- Innovation and harmonisation of methods and tools for collection and management of biodiversity monitoring data
- Addressing knowledge gaps on biodiversity status, dynamics, and trends to reverse biodiversity loss
- Making use of available biodiversity monitoring data

All environments (i.e. terrestrial, inland freshwater including wetlands, and marine) will be eligible.

Budget and partners

- A global budget of over **40 million** euros has been provisionally reserved for the call
- **34 countries** have expressed a preliminary interest in participating in the call: Austria, Belgium, Brazil, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, Ivory Coast, Latvia, Lithuania, Moldova, Morocco, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Taiwan, The Netherlands, Tunisia and Turkey.
- The updated list of potential participating countries will be published on the Biodiversa+ website: biodiversa.org/2017

Improved transnational monitoring of biodiversity and ecosystem change for science and society

Resources to get ready

- Find a partner or a project to join with our Partner Search Tool: proposals.etag.ee/biodiversa/2022/partner-search
- Consult the handbook on stakeholder engagement in Biodiversa+ funded projects: biodiversa.org/702
- For more info on policy relevance of research proposals and policy-stakeholders engagement: biodiversa.org/1543
- Check our citizen science toolkit on how to engage citizens in your research projects: biodiversa.org/1814

Save the dates:

- Launch of the Call : **Sept. 8th, 2022**
- A two-step application procedure will be used with a closing date for pre-proposals early November 2022. A first evaluation of pre-proposals will be organised and the deadline to submit full proposals will be early April 2023.
- An information webinar for potential applicants will be organized on **September 20th, 2022, from 3PM to 4:30PM** CEST. To participate in this workshop, you can register at the following link: https://us06web.zoom.us/webinar/register/WN_PLvkR4IwStmNmKXEjl4rHQ

biodiversa+
European Biodiversity Partnership

EUROPEAN PARTNERSHIP

Co-funded by the European Union

Thank you!



For more information:

www.biodivera.org

contact@biodiversa.org

BiodivERsA3