The BiodivERsA partnership :
a look-back on a successful cooperation
and future perspectives

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Henrik Lange (Swedish Ministry of Environment - Vice Chair of BiodivERsA)

BiodivERsA2 Final conference, Paris, 02/10/2014

BiodivERsA1: FP6 ERAnet 2005-2010 (13 countries)

BiodivERsA2: FP7 ERAnet 2010-2014 (15 countries)

Achievements?

BiodivERsA3: H2020 ERAnet 2015-2019 (18 countries)

What is new with BiodivERsA3?

Longer term perspective?

Achievements of BiodivERsA2

Overview of BiodivERsA approach & activities :

Linking national strategies and funding sources in Europe

Research mapping & programme co-design

Research funding & knowledge brokerage

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

A shared research agenda, updated yearly : 5 pressing issues already addressed

Calls for 100 M€ (50M€ new money) since 2008

Funded research is outstanding, multidisciplinary and policy relevant

Professional knowledge brokerage to disseminate projects' outputs

The BiodivERsA2 network

- FRB (FR)
- FWF (AT)
- BelSPO (BE)
- BNSF (BG)
- ETAG (ET)
- ANR (FR)
- MEDDE (FR)
- BMBF/DLR (DE)
- DFG (DE)
- VM (HU)
- RCL (LT)
- NWO (NL)
- RCN (NO)
- FCT (PT)
- MINECO (ES)
- FORMAS (SE)
- SEPA (SE)
- MFAL (TK)
- DEFRA (UK)
- JNCC (UK)
- NERC (UK)

Networking 21 agencies that develop and fund biodiversity research programs among 15 countries Supported by the EC

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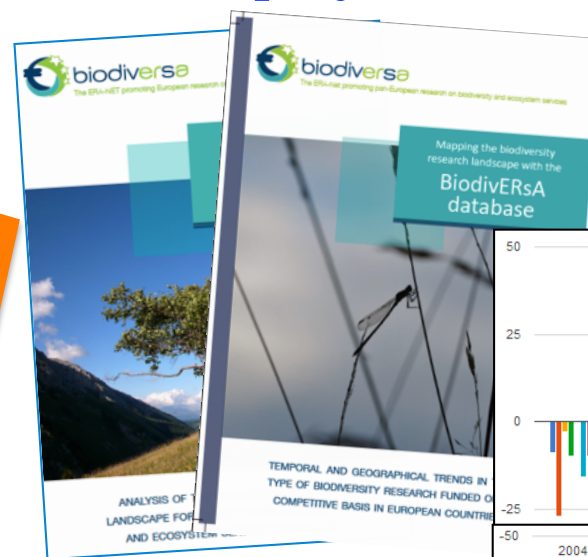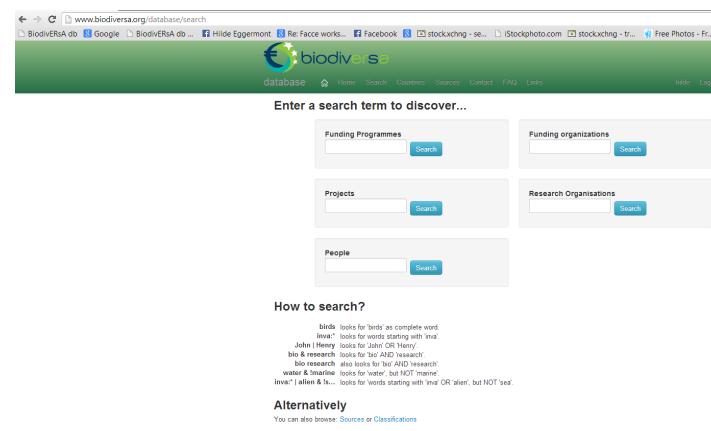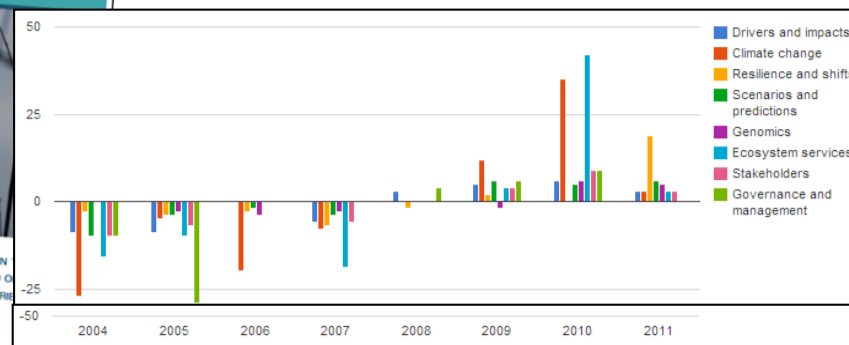Professional knowledge brokerage to disseminate projects' outputs

BiodivERsA database:

-> funding, programmes and projects

Currently >6500 referenced projects!

➔ Analysing funding sources & amounts ; profiles of funded research ; etc.

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

Research mapping co-d...

addressed

relevant

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Calls launched during BiodivERsA2:
- Nov. 2010: *Biodiversity & ecosystem services and their valuation* (9 countries)
- Nov. 2011: *Biodiversity scenarios, identifying tipping points and improving resilience* (9 countries)
- Nov. 2012: *Invasive species & biological invasions* (10 countries)
- Nov. 2013: *Trade-offs and synergies biodiversity/services/agriculture*

Research mappi

co-d

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

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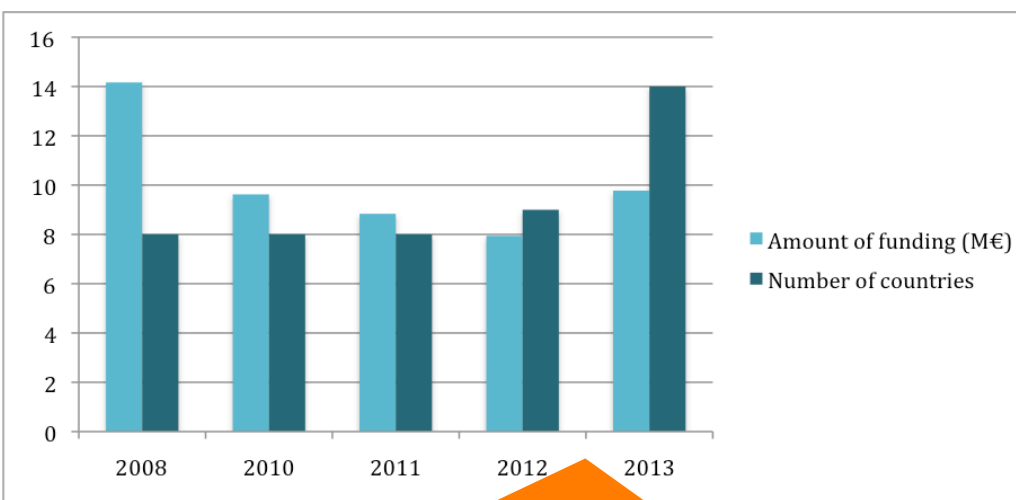
Calls for 100 M€ (50M€ new money) since 2008

Funded research is outstanding, multidisciplinary and policy relevant

Professional knowledge brokerage to disseminate projects' outputs

Substantial, annual joint calls
• *5 calls since 2008: 100M€ total, 50M€ new money*
• *18 countries participated in at least one call*

Research mappi...

co-d...

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

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Promotion of stakeholder engagement
- *Part of the selection criteria for projects to be funded since 2008*

- *BiodivERsA stakeholder engagement handbook*

- *80% of projects involve stakeholders actually engaged*

Research mapping
co-d...

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

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Calls for 10 (50M€ new money) since 2008

Funded research is outstanding, multidisciplinary and policy relevant

...fessional knowledge brokerage to disseminate projects' outputs

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✓ Promoting knowledge transfer to stakeholders/policy makers
• Outputs of funded projects per se (management/abatement plans, maps, new indicators, local policy support…)
• Policy briefs based on outputs of funded projects

With a professional knowledge broker (here IUCN Europe)

Research m...

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

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Professional knowledge brokerage to disseminate projects' outputs

The footprint of the BiodivERsA consortium: pan-European coordination and promotion of research on biodiversity and ecosystem services
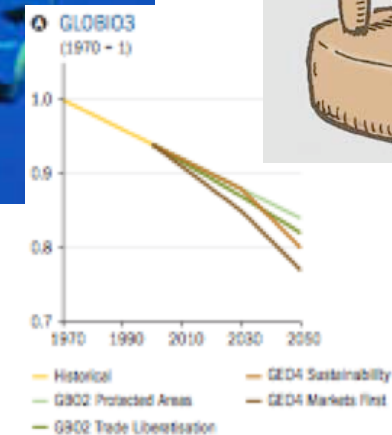
The footprint of BiodivERsA projects: excellence of actual academic AND societal outcomes

Most projects reached excellence both for academic and societal impacts !!

- >300 scientific papers
- 2/3 of projects published in *Nature*, *Science* or *PNAS*
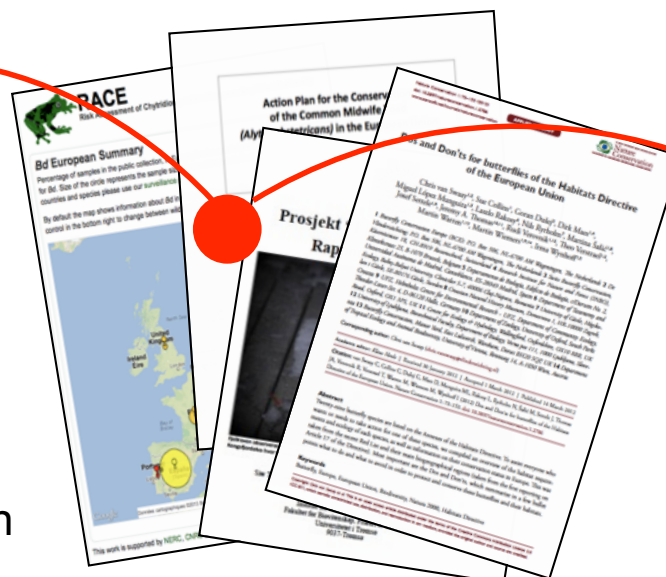
- Maps of emerging pathogens in EU; atlas of butterflies…
- Update of indicators used
- European abatement plan, Dos and don'ts for habitat directive, guidelines for businesss…

- Policy briefs targeting policy makers in Europe & European regions

Ex for the 12 BiodivERsA 2008 projects

What is new
with
BiodivERsA3?

BiodivERsA3: 6 main novel aspects

1

Linking national strategies and
funding sources in Europe

5

Research mapping & programme co-design

Research funding & knowledge brokerage

2

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

3

A shared research agenda, updated yearly : 5 pressing issues already addressed

4

Calls for 100 M€ (50M€ new money) since 2008

Funded research is outstanding, multidisciplinary and policy relevant

Professional knowledge brokerage to disseminate projects' outputs

6

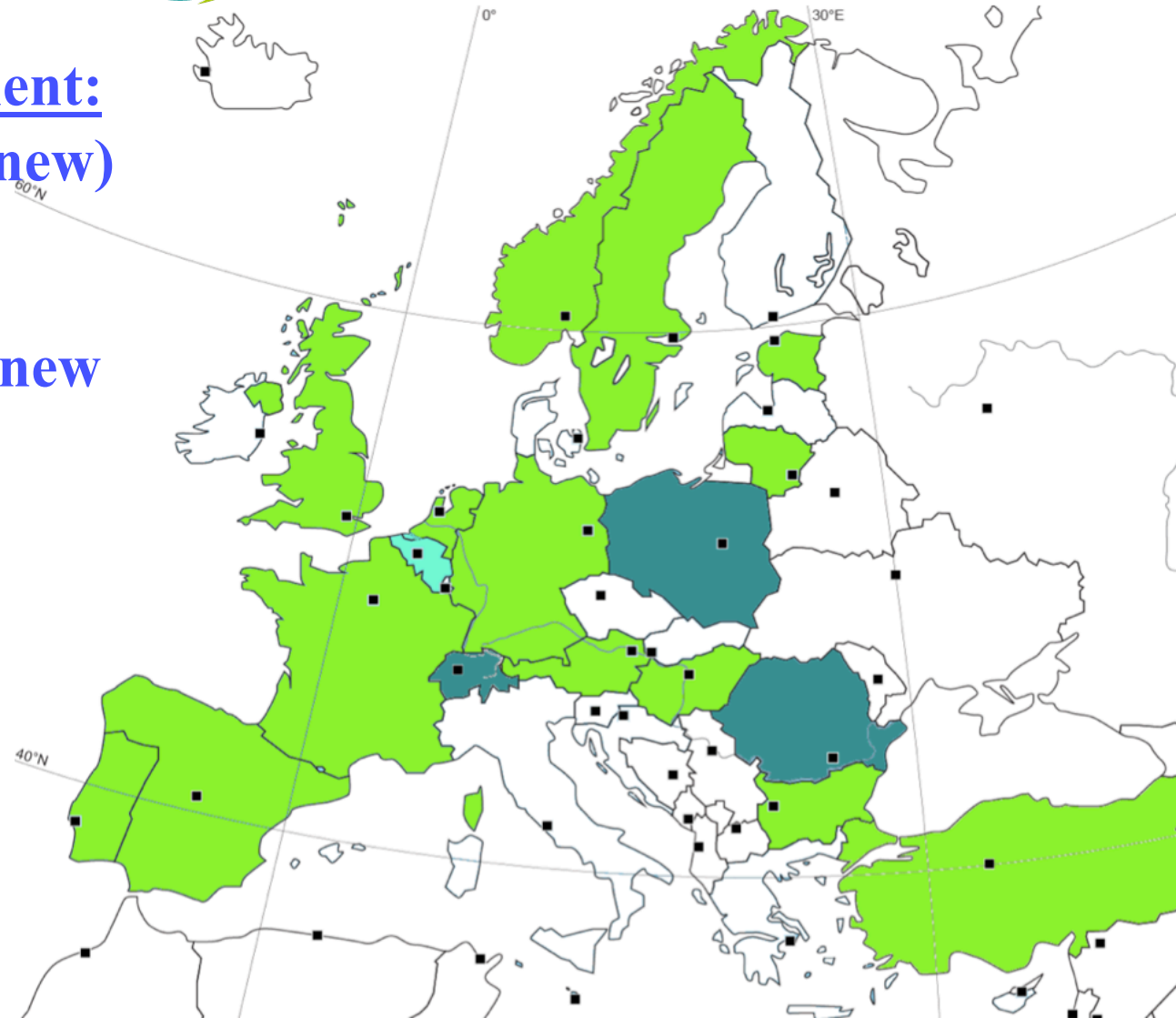**1** __Enlargement:__

*18 countries (3 new)

*100% of BiodivERsA2 partners plus 11 new members

25 mainland + 7 overseas partners*

*former NetBiome ERA-net

Azores

Canary Islands

Dutch Antilla

Guadeloupe

French Guyana

La Réunion

New Caledonia

Mainland partners in BiodivERsA3   ★ Overseas partners in BiodivERsA3

International/regional approaches will be of greater importance

⌘ **BiodivERsA2 database**
-> analysis of funding sources & amounts; profiles and trends of funded research...

⌘ **With BiodivERsA3 :**
-> completion for 18 countries and for overseas
-> accounting for roadmaps of JPIs and other initiatives
-> mapping to prepare programme alignment schemes

Link
fund

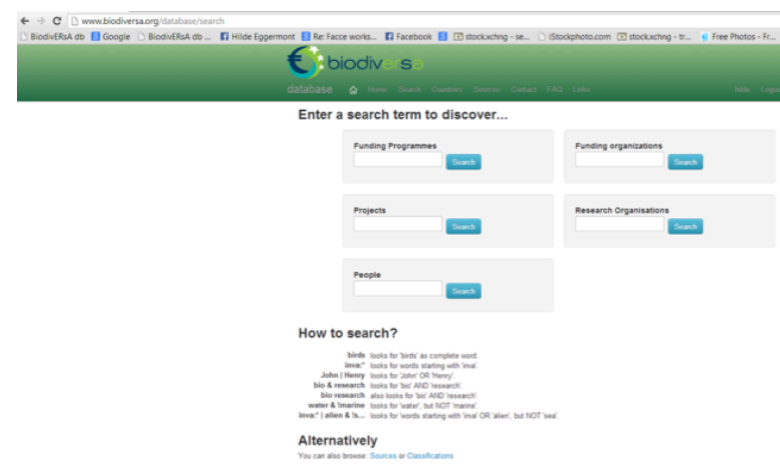**Research mappi**
co-d

2

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knowledge
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⌘ **BiodivERsA2:**

-> Rolling agenda to determine common priorities for annual calls

⌘ **With BiodivERsA3:**

-> Common strategic roadmap with a multiannual vision guiding the launch of calls and other joint activities
-> Shared priorities with JPIs and the Belmont Forum to prepare joint activities

Research mapp...

co-d...

3

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⌘ With BiodivERsA3 :
-> an ambitious joint call (>30 M€) in 2015
-> likely joint activity with Belmont Forum
-> tackling overseas issues

Research mapping co-d

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Calls for (50M€ money) since 2008

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Professional knowledge brokerage to disseminate projects' outputs

Chart: Total cost of pan-European projects supported (M€)

	BiodivERsA1	BiodivERsA2	BiodivERsA3

■ New Money ■ Total amount of funding

4

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⌘ With BiodivERsA3 :
-> national program alignment initiated
-> young scientist scheme implemented

5

Research mapping & programme co-design

Research funding & knowledge brokerage

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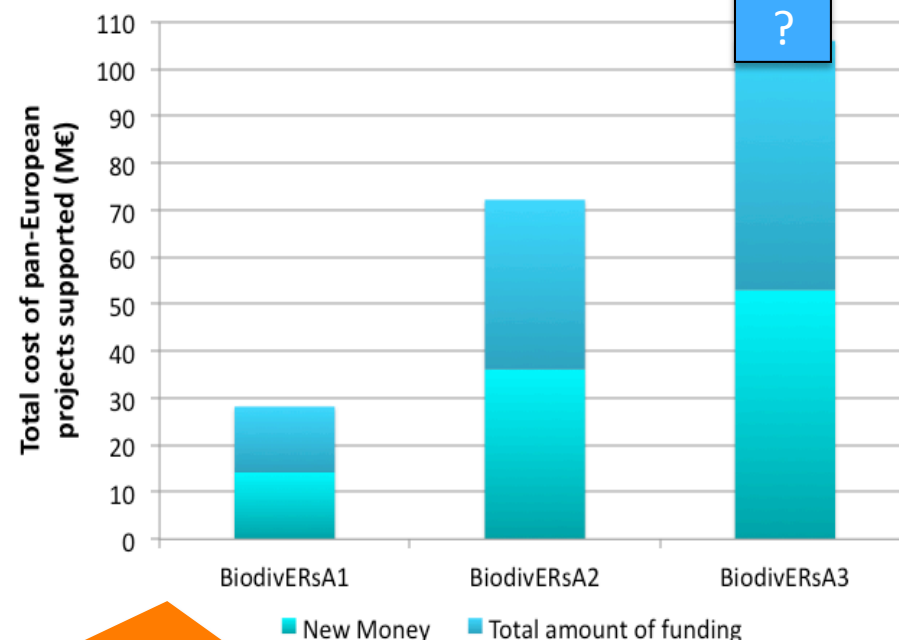
Calls for 100 M€ (50M€ new money) since 2008

Funded research is outstanding, multidisciplinary and policy relevant

Professional knowledge brokerage to disseminate projects' outputs

⌘ BiodivERsA2:

-> Selection of excellent & policy relevant projects

-> Stakeholder engagement in projects; handbook…

-> Policy briefs

⌘ With BiodivERsA3:

More comprehensive science-society interfacing (with link with EU mechanism for biodiversity):

-> Advisory board with scientists and stakeholders

-> Workshops and mobility schemes (incl. research-business)

-> Feeding EU portals BISE & MAES

Research m

Detailed mapping of European research landscape (>6300 projects in the BodivERsA database)

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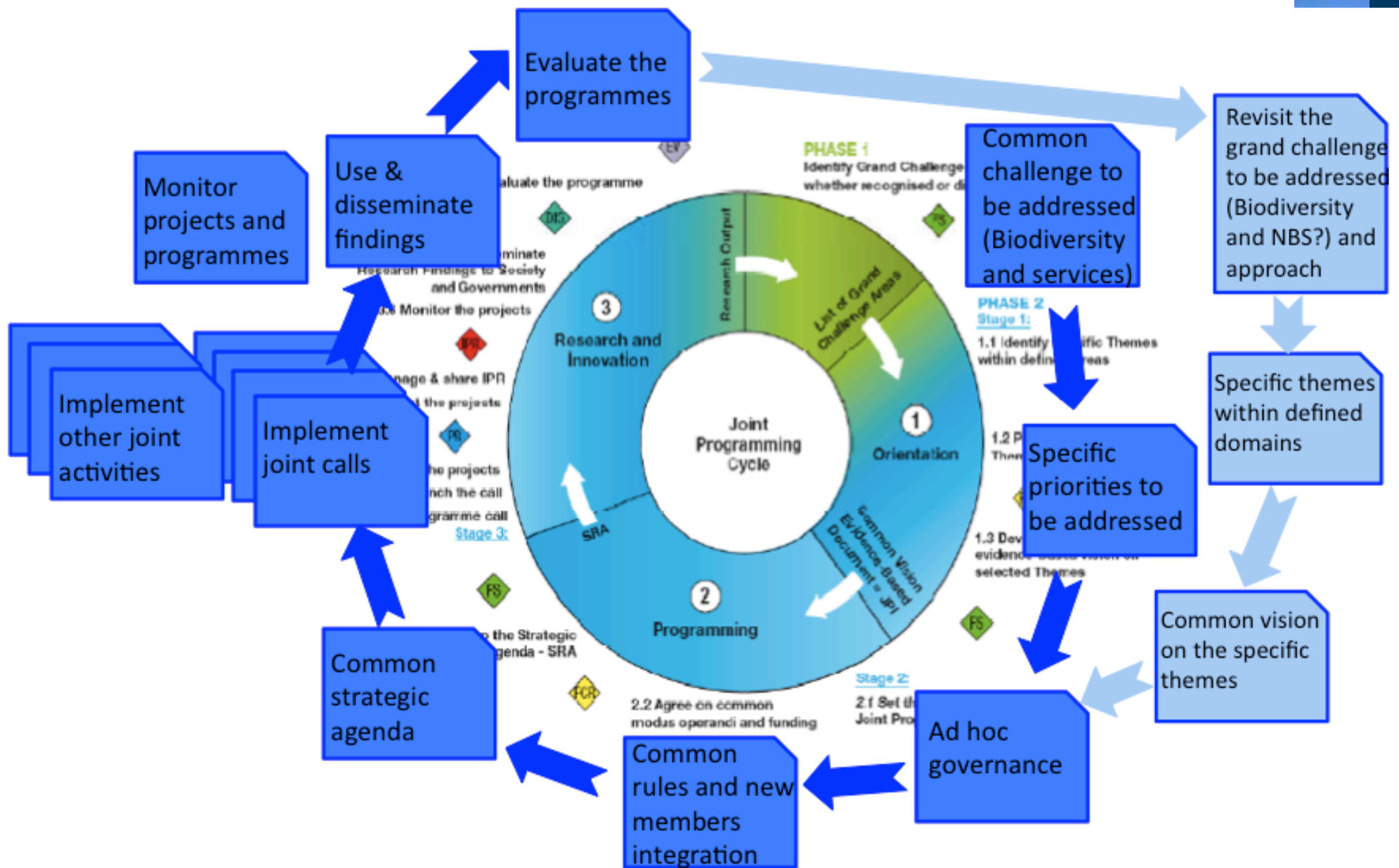Funded research is outstanding, multidisciplinary and policy relevant

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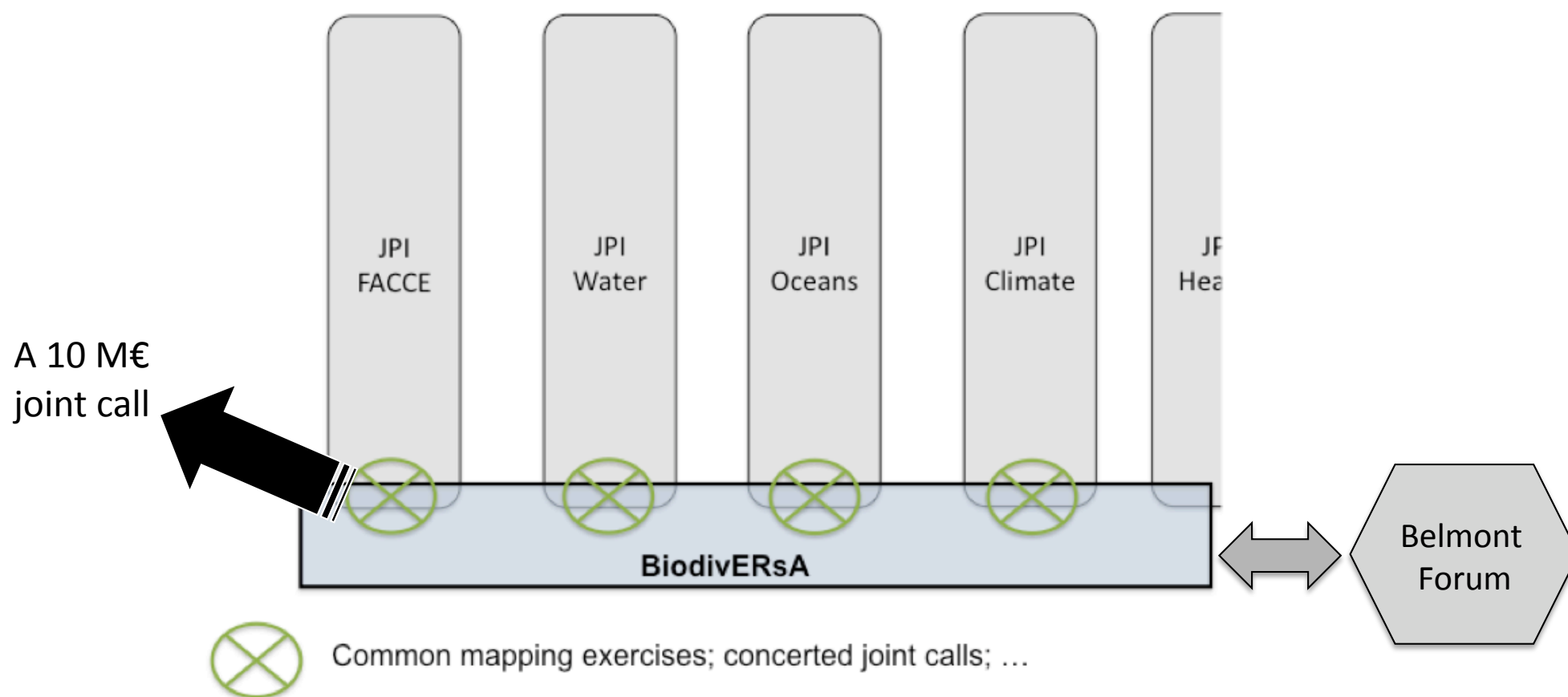
6

Longer term perspectives?

Current status of BiodivERsA

Evaluate the programmes

Use & disseminate findings

Monitor projects and programmes

Implement other joint activities

Implement joint calls

Common strategic agenda

Common rules and new members integration

Ad hoc governance

Common challenge to be addressed (Biodiversity and services)

Revisit the grand challenge to be addressed (Biodiversity and NBS?) and approach

Specific themes within defined domains

Specific priorities to be addressed

Common vision on the specific themes

PHASE 1
Identify Grand Challenge whether recognised or di

PHASE 2
Stage 1:
1.1 Identify ific Themes within defin reas

1.2 P
The

1.3 Dev
evidence-based vision on
selected Themes

Stage 2:
2.1 Set th
Joint Pro

2.2 Agree on common modus operandi and funding

Stage 3:

Research Output

Research and Innovation

Joint Programming Cycle

Orientation

Programming

SRA

3

1

2

Research Findings to Society and Governments

Monitor the projects

IPR

nge & share IPR
the projects

the projects
nch the call
gramme call

the Strategic
genda - SRA

List of Grand Challenge Areas

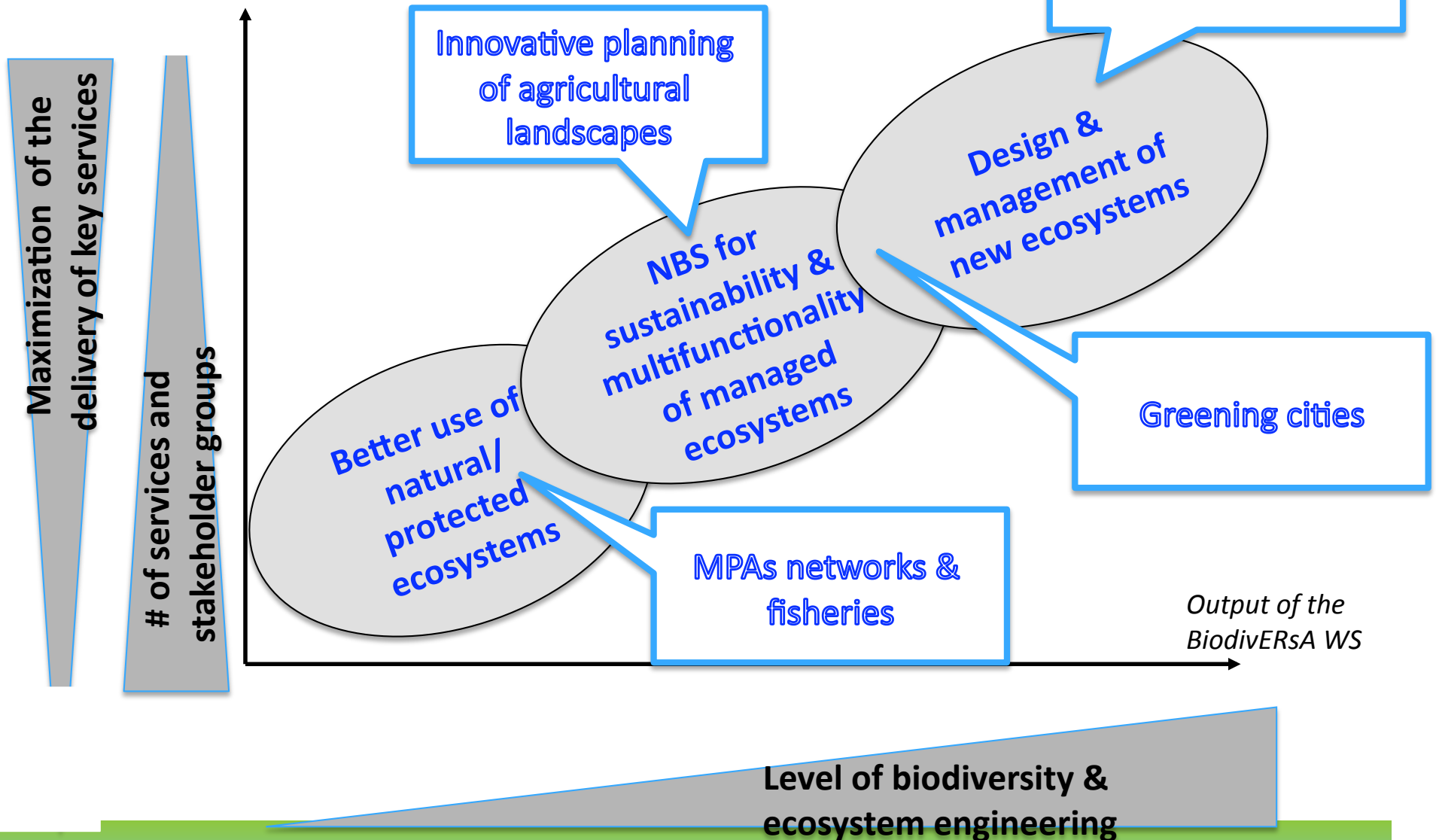Common Vision Evidence Based Document - JPI

Promote knowledge base to tackle the biodiversity/Nature-based solutions grand challenge

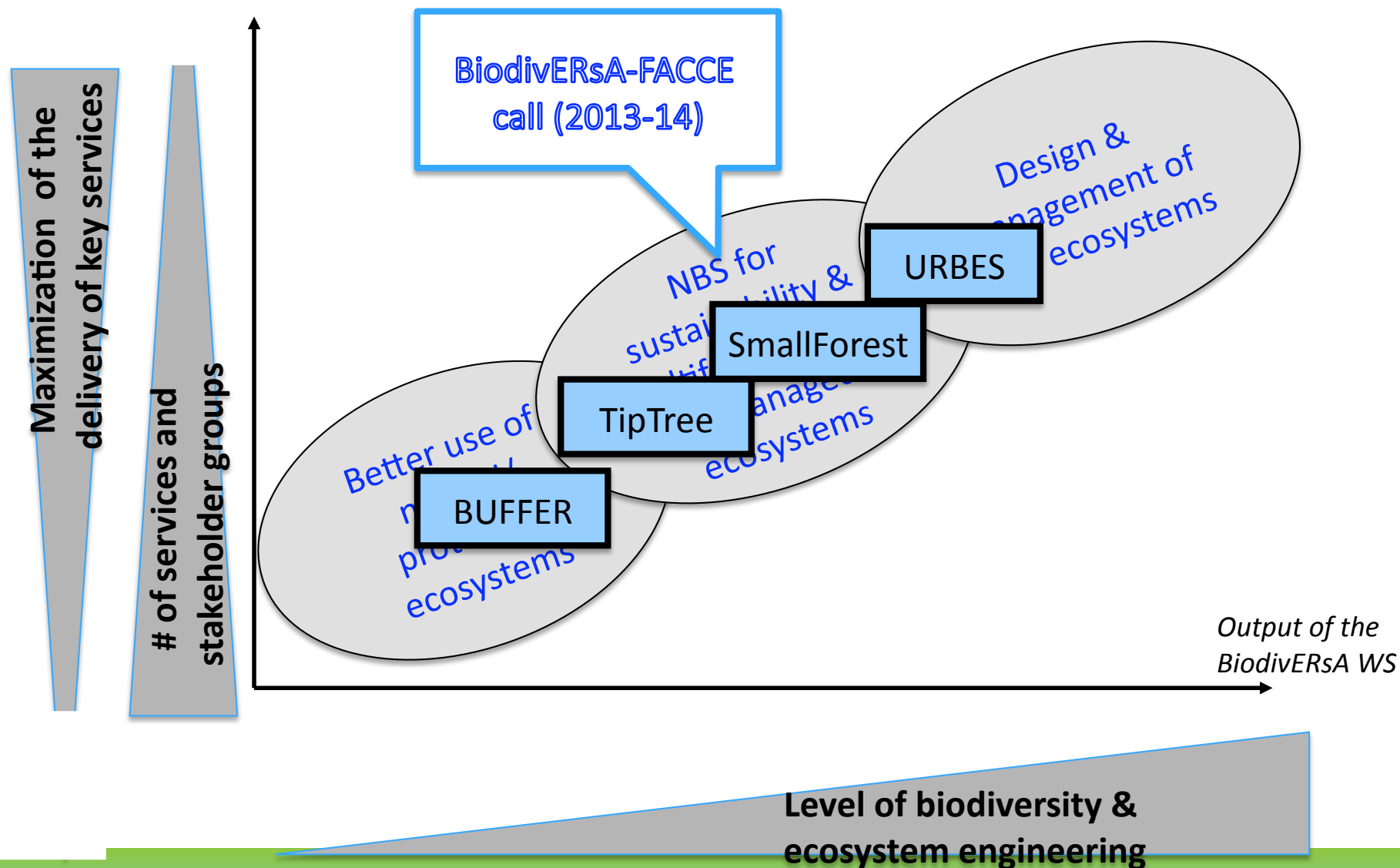# An increased openess to ensure synergies with existing JPIs and international initiatives (e.g. Belmont Forum)

A 10 M€ joint call

JPI FACCE

JPI Water

JPI Oceans

JPI Climate

JPI Hea

BiodivERsA

Belmont Forum

⊗ Common mapping exercises; concerted joint calls; …

An increased interest for Nature Based Solutions-like issues

Examples of BiodivERsA NBS projects & calls

Maximization of the delivery of key services

# of services and stakeholder groups

BiodivERsA-FACCE call (2013-14)

Design & management of ecosystems

NBS for sustainability & management ecosystems

Better use of natural protected ecosystems

URBES

SmallForest

TipTree

BUFFER

Output of the BiodivERsA WS

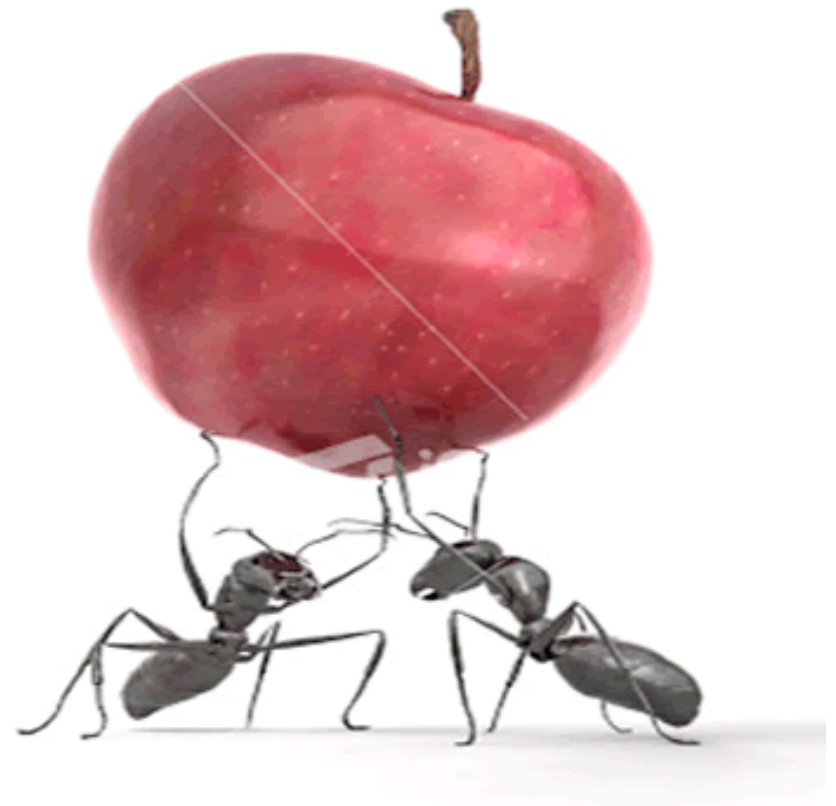**Level of biodiversity & ecosystem engineering**

Take-home message from BiodivERsA

Biodiversity remains an urgent issue in many respects

Biodiversity and ecosystem services offer substantial innovation opportunities (NBS…)

…using our diversity of skills and experience across Europe!

BiodivERsA was supported by the EC through the FP7

European Commission

and will supported by the EC part of H2020