

# Synergies between BiodivERsA and Water JPI



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BiodivERsA, a pan-European network of agencies funding and programming research on biodiversity, ecosystem services, and nature-based solutions

Promoting innovative solutions for the conservation, sustainable management and use of biological resources > tackle societal challenges

BiodivERsA1: FP6 ERA-net 2005-2010 (13 countries)



BiodivERsA2: FP7 ERA-net 2010-2014 (15 countries)



BiodivERsA3: H2020 ERA-net 2015-2019 (21 countries, 32 partner organisations)



# Strategic Research and Innovation Agenda (2017-2020)

## Core themes:

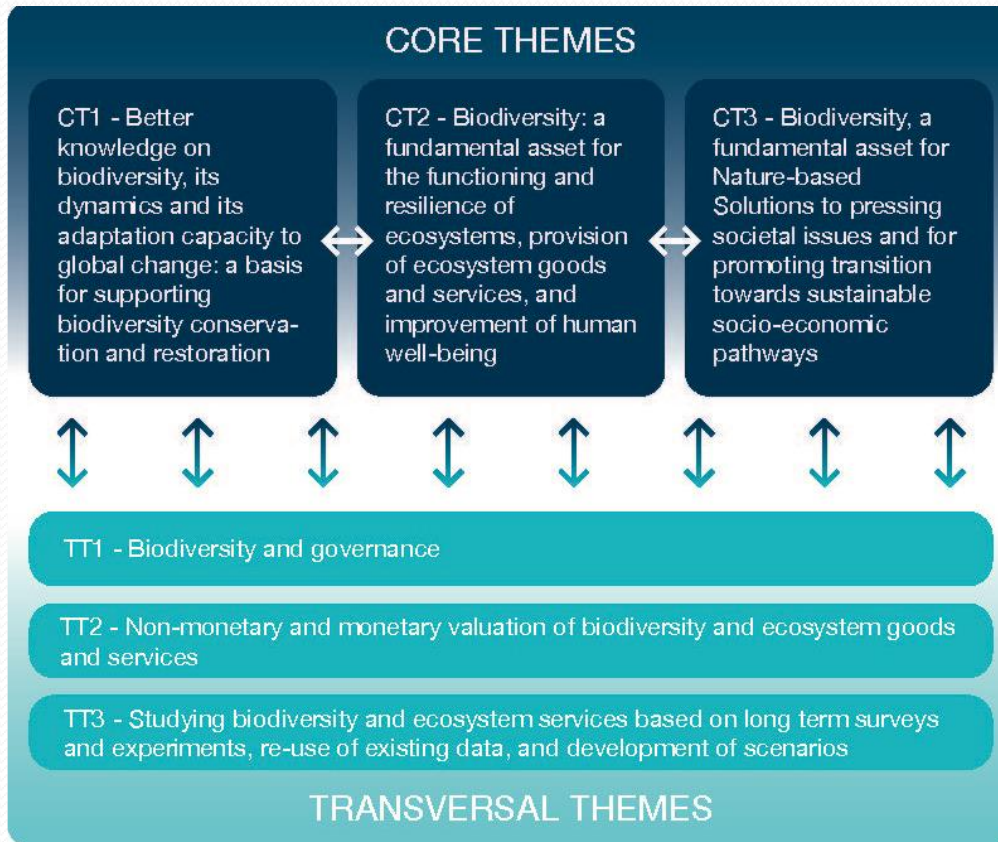
- Mission-oriented, with high expected societal impact
- Ground-breaking for science
- Of urgency for policy and management at the European and international levels
- Comprehensive for building the overall BiodivERsA strategy, and promoting synergies between sectors, actors and policies

## Transversal themes:

- Dealing with general issues that are relevant to all cores themes

=> Themes will not necessarily translate into specific calls for projects or joint activities as a given call could correspond to a combination of core and/or transversal themes

# BiodivERsA SRIA



## Link with IPBES Conceptual Framework:

- 3 CTs cover the perspectives of conservation, sustainable use and benefits to human well-being
- 3 TTs highlight the central role of (i) institutions, governance systems and decision making; (ii) non-monetary and monetary valuation of biodiversity; (iii) backward and forward-looking analysis and decision making

# Synergies between the two Strategic Research and Innovation Agendas

- BiodivERsA **Core themes** mainly relate to the first part of the Water JPI SRIA 2.0. CTs 1, 2 and 3 all have commonalities with the research priorities listed.
- The **Transversal themes** deal with general issues that are relevant to all Core themes. All are within the scope of Water JPI priorities, to a greater or lesser degree.
- Water JPI SRIA Subthemes 1.1 - 1.3 and 5.2.2 all have (some) common priorities with BiodivERsA themes.

# Subtheme 1.1. Developing approaches for assessing and optimising the value of ecosystem services

- 1.1.1. Developing approaches for assessing the ecological functioning of ecosystems: **CT1, TTI (governance), TT3 (scenarios)**
- 1.1.2. Developing and testing methodologies for the valuation of ecosystem services: **CT2, TT2**
- 1.1.3. Establishing multiple pressure–impact–response relationships in aquatic, riparian and groundwater-dependent ecosystems: **CT2**
- 1.1.4. Integrating ecosystem services into management of water resources: **CT2**
- 1.1.5. Adapting and integrating our water/ecosystem management, planning and governance systems with better environmental data and information: **TTI (governance)**

# Subtheme 1.2. Integrated approaches: developing and applying ecological engineering and ecohydrology

- 1.2.1. Restoring morphology continuity and hydraulic connectivity: **CTI, TT3 (scenarios)**
- 1.2.2. Managing the risks caused by invasive species and options for remediation: **CTI, CT3, TTI (governance)**
- 1.2.3. Understanding and managing ecological flows: **CTI**
- 1.2.4. Integrated eco-technological solutions for the remediation and mitigation of degraded water bodies and aquatic ecosystems: **CT3**

# Subtheme 1.3. Managing the effects of hydro-climatic extreme events

- 1.3.1. Understanding the causes of drought/scarcity, predicting drought events and water scarcity, developing adaptation measures: **CT3, TT3 (scenarios)**
- 1.3.2. Developing innovative (or improved) tools for adaptation to hydro-climatic extreme events, especially floods: **CT3, TT3 (restoring biodiversity)**
- 1.3.3. Improving water management to mitigate the harmful impacts of extreme events (extreme weather events, impaired water quality): **CT2, TT1 and TT3 (long-term studies, scenarios)**
- 5.2.2. Connecting socio-economic and ecological issues: **CT3, TT2**



# Proposed next steps

- Joint COFUND call between BiodivERsA and Water JPI, with a focus on aquatic systems (although all environments will be considered)
- Joint production of Policy Briefs from funded projects
- Organisation of other joint events (e.g. projects kick off, Green Week side event)

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