



# BiodivERs



SUOMEN AKATEMIA

*Harri Hautala*

*Biotieteiden ja ympäristön tutkimuksen yksikkö*

*Suomen Akatemia*

**EU-rahoitusinstrumentit ja luonnon monimuotoisuus –seminaari**  
**Suomen Ympäristökeskus 27.10.2016**



- ✓ BiodivERsA on v. 2005 toiminut **biodiversiteetti- ja ekosysteemi-palvelututkimuksen verkosto**, jossa on mukana 32 partneria 19 maasta
- ✓ Nyt on menossa BiodivERsa 3 ERA-Net Cofund (2015-2019, rahoitus H2020)
- ✓ **BiodivERsA kehittää biodiversiteettiin ja ekosysteemipalveluihin liittyvien suurten haasteiden tutkimusohjelma- ja rahoitusyhteistyötä, parantaa tutkijayhteisön synergioita ja erityistavoitteena parantaa päätöksentekijöiden osallistamista sekä lisää tutkimuksen yhteiskunnallista vaikuttavuutta**

## **MAIN PRIORITIES:**

1. Promote cooperation and collaboration among national and local research programmers and funders and the European Commission toward joint programming and program alignment
2. Increase science-society/policy interfacing throughout the whole research process
3. Promote research and innovation for the benefit of society, economy and human well-being, and biodiversity

# Overview of the network

- ✓ **32 partners** from 19 European countries, including overseas & one associate member





# Governance

**Coordination team** (project coordinator, 2 vice-chairs)

**Executive Board**, including the coordinator, the work package leaders and three members of the BiodivERsA General Assembly elected for two and half years

**General Assembly**, including high-level representatives of the BiodivERsA partner organisations

**Advisory Board**, composed of both scientists and stakeholders

All these are supported by a Secretariat Executive manager, responsible for operational implementation of the project, and by an Officer dedicated to science-society/policy interfacing.

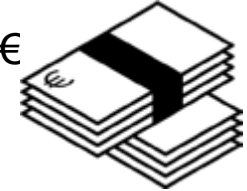
*BiodivERsA Coordinator and CEO: Xavier Le Roux*






*Executive Manager of the BiodivERsA Secretariat: Claire Blery*

*SSP/SSI Officer: Frédéric Lemaitre*

# Research funding I

**6 calls already launched** since 2008 for a total amount of 160 M€



-  Biodiversity: linking scientific advancements to policy and practice
-  Biodiversity and ecosystem services, and their valuation
-  Biodiversity dynamics: developing scenarios, identifying tipping points, and improving resilience
-   Invasive species and biological invasions  
Promoting synergies and reducing trade-offs between food supply, biodiversity and ecosystem services (with FACCE JPI)

**...including one Cofund Call with the EC (2015-2016, 33M €, 26 projects)**



*Theme 1: Understanding and managing soil and sediments biodiversity dynamics to improve ecosystem functioning and delivery of services*

*Theme 2: Understanding and managing biodiversity dynamics in land-, river- and seascape (habitats connectivity, green and blue infrastructure, naturing cities)*



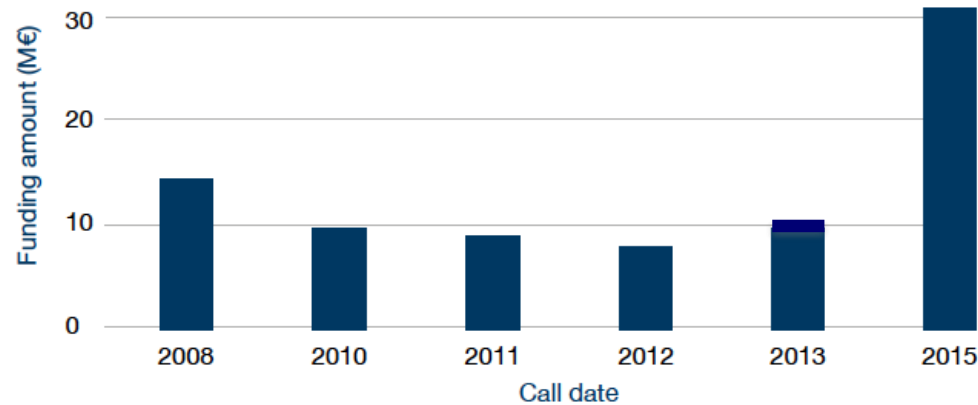
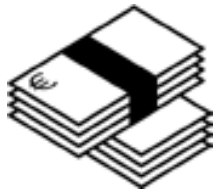
**BiodivERsA will continue to launch annual joint calls**

- ✓ Next one in 2017 (under ERA-Net Cofund)
- ✓ Possible additional Cofund calls, co-financed by the European Commission



# Research funding II

## Funding amounts of BiodivERsA calls



### Over 2008-2014

18

European countries  
involved in  
BiodivERsA calls

47

projects funded

304

teams funded

17.4%

of applicants  
were successful





## Call 2015-2016: projects recommended for funding

- BEARCONNECT** - Functional connectivity and ecological sustainability of European ecological networks - a case study with the brown bear
- BIO-TIDE** - The role of microbial biodiversity in the functioning of marine tidal flat sediments
- BIOGEO** - Testing BIOdiversity Gain of European Agriculture with CAP greening
- BIOINVENT** - Generic bio-inventory of functional soil microbial diversity in permanent grassland ecosystems across management and climate gradients
- BIOVEINS** - Connectivity of green and blue infrastructures: living veins for biodiverse and healthy cities
- CLIMARCTIC** - Climate change impacts on Arctic soil and lake microbiomes
- CROSSLINK** - Understanding cross-habitat linkages between blue and green infrastructure to optimize management of biodiversity, ecosystem services and multiple human uses
- DIGGING\_DEEPER** - Agro-ecosystem diversification: digging deeper
- ENABLE** - Enabling green-blue infrastructure in complex social-ecological regions - system solutions to wicked problems
- FUNGREEN** - Functional connectivity and green infrastructure
- GREENFUTUREFOREST** - Scenarios for a sustainable future forest green infrastructure
- IMAGINE** - Integrative Management of Green Infrastructures Multifunctionality, Ecosystem integrity and Ecosystem Services: From assessment to regulation in socio-ecological systems
- INFRAGECO** - Inference, fragmentation, genomics and conservation
- MARFOR** - Functional Variability and Dynamics of Responses of Marine Forests to Global Change
- ODYSSEUS** - Between Scylla and Charybdis - managing connectivity for freshwater fish
- OSCAR** - Optimising the configuration of woody riparian buffer strips along rivers to enhance biodiversity and ecosystem services
- PERCEBES** - Tools for the transition to spatial management of coastal resources: the stalked barnacle fishery in SW Europe
- REPEAT** - REstoration and prognosis of PEAT formation in fens – linking diversity in plant functional traits to soil biological and biogeochemical processes
- RESERVEBENEFIT** - Evaluating and managing connectivity in a network of Marine Protected Area to maintain genetic diversity and deliver fish beyond protected limits
- SOILCLIM** - Managing soil biodiversity and ecosystem services in agroecosystems across Europe under climate change
- SOILFOREUROPE** - Predicting European forest soil biodiversity and its functioning under climate change
- SOILMAN** - Ecosystem services driven by the diversity of soil biota – understanding and management
- SPONFOREST** - Unraveling the potential of SPONtaneous FORest ESTablishment for improving ecosystem functions and services in dynamic landscapes
- URBANGAIA** - Managing urban Biodiversity and Green Infrastructure to increase city resilience
- URBANMYCOSERVE** - Understanding and Managing Urban Ectomycorrhizal Fungi Communities to Increase the Health and Ecosystem Service Provisioning of Urban Trees
- WOODNET** - Connectivity patterns and processes along a gradient of European landscapes with woody vegetation and spatial heterogeneity

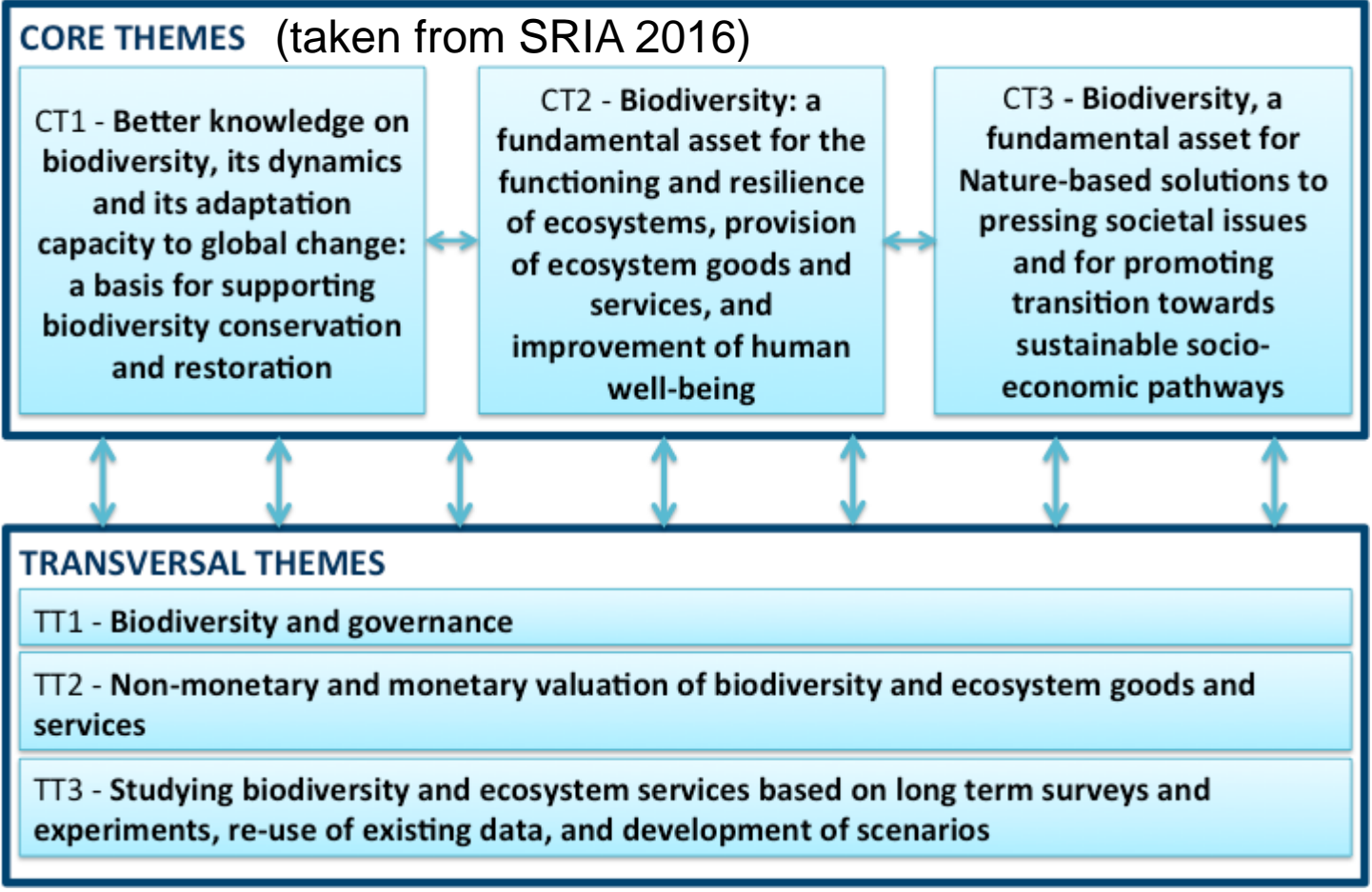
# Main documents

## The Strategic Roadmap (currently SRIA)

A document framing the main challenge(s) to be addressed and associated broad research priorities common to the partners, and that will guide the BiodivERsA implementation plan and future activities

Strategic Roadmap	Implementation Plan
Define <b>major challenges</b> to be tackled by BiodivERsA Frame the broad <b>type of research supported</b> by BiodivERsA	More precise documents, <b>defining activities, topics to be addressed in future calls, and timing</b>
Updated <b>every 5 years</b>	Updated on a <b>regular basis</b> (e.g. every 2 years)







## Mapping & foresight activities

**BiodivERsA database** with open access to information on:

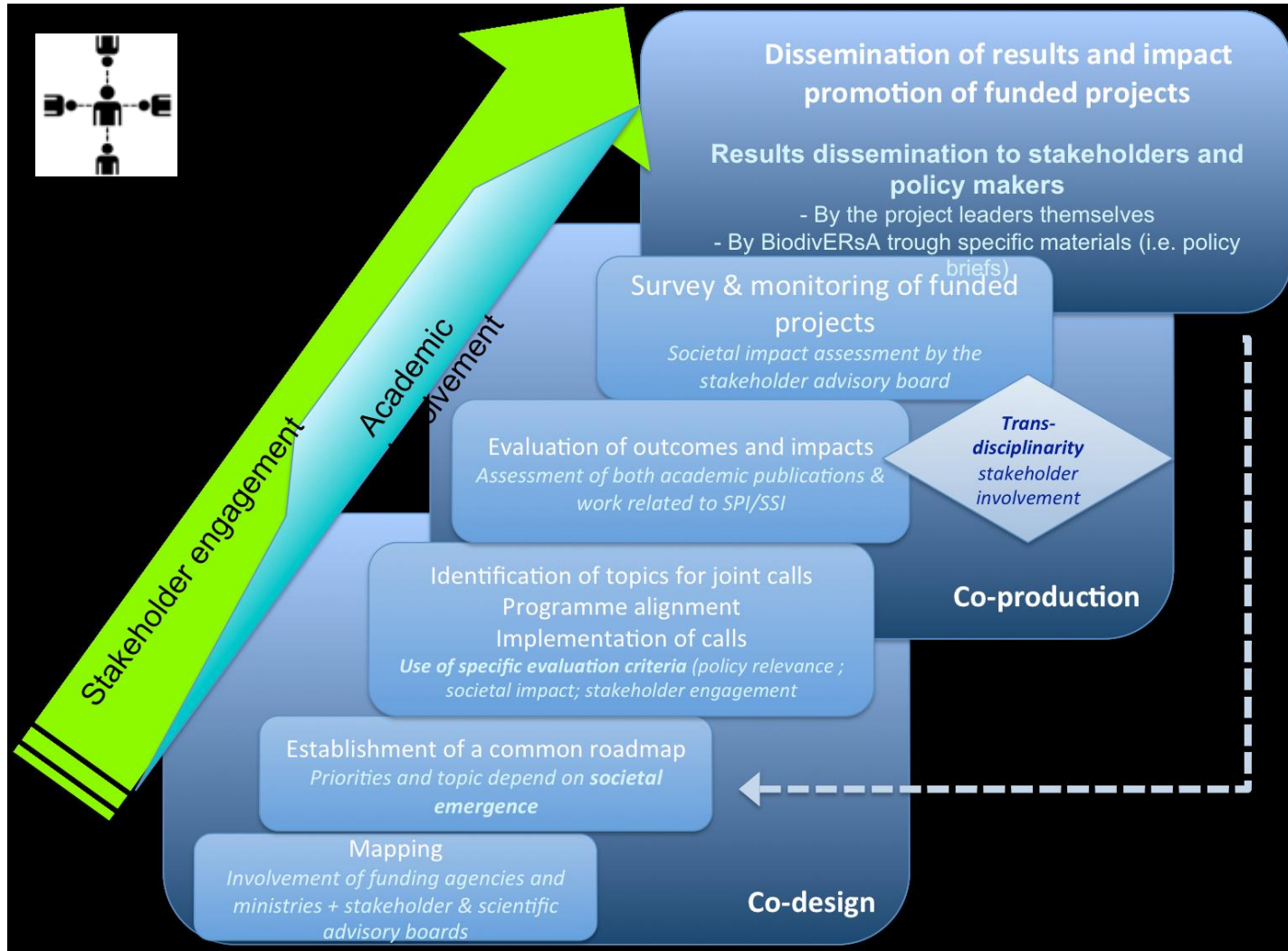
- ✓ 66 Funding Organisations
- ✓ 340 Funding Programmes (603 Annual Calls)
- ✓ 2741 Research Organisations
- ✓ 6521 Research Projects
- ✓ 5849 People

➔ Analyses of levels of research funding and temporal trends in the type of biodiversity research funded in Europe

➔ Mapping research infrastructures for biodiversity over Europe

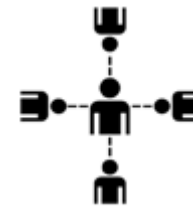
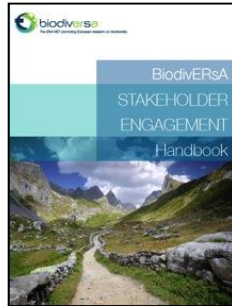
➔ Analysis of gaps and priorities & foresights views for European research on biodiversity and ESS

# Stakeholder engagement throughout the whole research process



Stakeholder engagement,  
Knowledge brokerage  
& dissemination of projects' outputs

## Promotion of science-society interfacing



### STAKEHOLDER ENGAGEMENT

Analysis of good practices for stakeholder engagement in research projects

**The BiodivERsA Stakeholder Engagement Handbook**

### KNOWLEDGE BROKERAGE

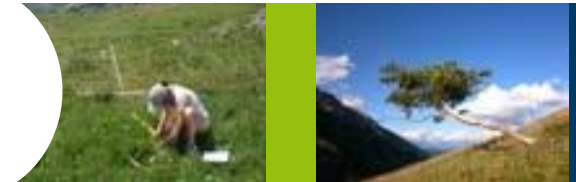
Production & dissemination of **Policy Briefs**

Based on results of research projects funded by BiodivERsA



- ✓ Suomen Akatemiaa lähestyttiin parin viime vuoden aikana eri tahoilta -  
> johti selvittely- ja lopulta valmistelutyöhön ml. esittelykokous uusille jäsenkandidaateille keväällä 2016
- ✓ **SA (BY-toimikunta) liittyi verkostoon täysjäsenenä 21.6.2016** (oma monivaiheinen prosessi)
- ✓ **BY-toimikunta osallistuu tulevaan ERA-Net Cofund hakemukseen ja varautuu mahdollisesti osallistumaan ohjelman tutkimushaun rahoittamiseen vuoden 2018 valtuudestaan (xx k€), mikäli komissio hyväksyy hakemuksen**
- ✓ Osallistumme: kartoitukset, tiedonvälityspyynnöt ym., SRIA:n ja IP:n valmistelu, tulevan ERA-Net Cofund –hakemuksen ja siitä mahdollisesti avattavan haun valmistelu





## Tällä hetkellä verkosto:

- ✓ valmistelee työkarttaa (**SRIA**) v. 2016-2020 aktiviteeteistaan (julkinen konsultaatio 22.6. GB:n hyväksymästä versiosta oli auki 14.10. asti)

*Biodiversity : a natural heritage, and a fundamental asset for Nature-based solutions tackling pressing societal challenges - Towards better coordination of national and local research programmes within mainland Europe, ORs and OCTs to increase the excellence and impact of research on biodiversity and Nature-based solutions*

- ✓ on aloittamassa SRIA:an perustuvan toimeenpanosuunnitelmansa (**IP**) päivitystä ja
- ✓ on hakemassa jatkoa komission työohjelman SC5 WP **2017 ERA-Net Cofund** on 'Scenarios of biodiversity and ecosystem services' (in co-operation with Belmont Forum) teemasta (7M €, teksti julkaistaan 10/2016), hakemus 3/2017 mennessä, haku aukenee syksyllä 2017, rahoitus 2018), alustava concept paper mietinnässä Belmont forum:illa
- ✓ Miettii **JPI**-mahdollisuutta (pros & cons?)





<http://www.biodiversa.org/>  
<http://www.aka.fi/fi/tiedepoliittinen-toiminta/kansainvalinen-toiminta/eurooppa/era-netit--ja-inconetit/kaynnissa-olevat-era-netit/biodiversa/>

