

ACTIONS RELATED TO EU'S RESEARCH POLICY

Birgit de Boissezon (European Commission, DG Research & Innovation)



**Actions related to
EU's research policy**

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EU PROJECT "INSPIRATION" FINAL CONFERENCE WORLD SOIL DAY 2017 – LAND, SOILS AND SCIENCE

Outlook: Lessons learned for land and soil research for Europeans

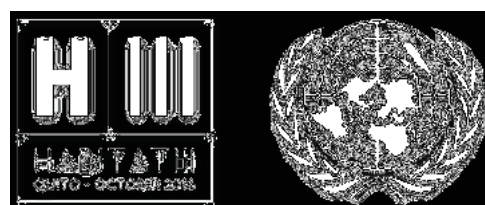
Brussels, 5 December 2017

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Sendai Framework for Disaster Risk Reduction 2015-2030



Research and Innovation

3

Urban Agenda for the EU



Research and Innovation



The EU Urban Agenda Partnership on sustainable land use and NBS

- ✓ *Kicked off in July 2017 - with the support of the EC*
- ✓ *Coordinated by the **Ministry of Poland** and the **City of Bologna***
- ✓ **Key actors:** EUROCITIES, URBACT, **EUKN**, EIB
- ✓ **Countries:** Cyprus, Lithuania, Luxembourg, Portugal, Slovenia
- ✓ **Cities:** Águeda (PT), Antwerp (BE), Cork (IR), Métropole Européenne de Lille (FR), Stavanger (NO), Verband Region Stuttgart (DE), **Zagreb** (HR)



The EU Urban Agenda Partnership on sustainable land use and NBS

- ✓ *Towards **Compact and Liveable cities**, through efficient use of land and of infrastructure.*
- ✓ *Need of **Better knowledge, Better Regulation, Better Funding** – incl. tools and instruments*
- ✓ *2 workstreams: "Liveable Compactness" and "Nature based solutions"*
- ✓ *Milestones:*
 - Draft Action Plan (consultation): July 2018*
 - Final Action Plan: the end of 2018*





Horizon 2020 Projects



INSPIRATION

INTEGRATED SPATIAL PLANNING, LAND USE
AND SOIL MANAGEMENT RESEARCH ACTION



BRODISE

BROWNFIELD DECONTAMINATION
IN SOUTHERN EUROPE

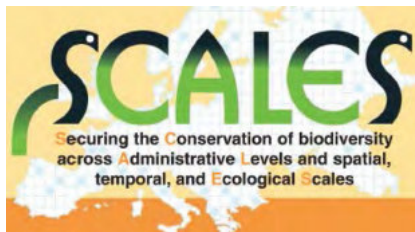
*Multi-stakeholder Large-Scale demonstration
projects on Nature-based Solutions for Climate and
Water resilience and for Urban regeneration*



FP7 Projects



SNOWMAN NETWORK
Knowledge for sustainable soils



Securing the Conservation of biodiversity
across Administrative Levels and spatial,
temporal, and Ecological Scales

VISIONS OF LAND USE TRANSITIONS IN EUROPE

VOLANTE





BiodivERsA - Soil in 27% of funded projects

1. Biodiversity: linking scientific advancements to policy and practice → 4 projects / 12
 2. Biodiversity and ecosystem services, and their valuation → 1 project / 7
 3. Biodiversity dynamics: developing scenarios, identifying tipping points, and improving resilience → 3 projects / 9
 4. Invasive species and biological invasions → 1 project / 9
 5. Promoting synergies and reducing trade-offs between food supply, biodiversity and ecosystem services → 4 projects / 10
 6. Understanding and managing soil and sediments biodiversity dynamics to improve ecosystem functioning and delivery of services
 7. Understanding and managing biodiversity dynamics in land-, river- and sea-scape (habitats connectivity, green and blue infrastructure, naturing cities)
- } → 9 projects / 26

→ Already 22 pan-European projects funded



BiodivERsA 2015-2016 COFUND call

✓ Theme on **soil & sediment biodiversity**:

9 projects funded for a total of **13.5 million** euro by 15 organisations from 13 countries (1 on sediment only)

Examples of projects

BIOINVENT - Generic bio-inventory of functional soil microbial diversity in permanent grassland ecosystems across management and climate gradients. Participating countries: DE, CH, PT, SE.

CLIMARCTIC - Climate change impacts on Arctic soil and lake microbiomes. Participating countries: BE, NO, CH, ES, DE.

DIGGING_DEEPER - Agro-ecosystem diversification: digging deeper. Participating countries: CH, DE, FR, ES, SE.

Highlights of expected outcomes

Significance of soil microbial diversity and its functional potential for grassland ecosystem productivity; evaluation of bio-fertilizer product

Effects of climate change on soil and sediment diversity and functioning, and role as feedback mechanisms in the global change system

Framework to identify the impact of agricultural practices on the yield, biodiversity and sustainability of agroecosystems

For more information on this call and projects: www.biodiversa.org/922



PRIMA

PRIMA, the Partnership for Research and Innovation in the Mediterranean Area, will address

- *more climate-resilient, cost-effective and sustainable integrated water management and agro-food systems*
- *joint innovative solutions to pool know-how and resources*
- *water scarcity, food security, health, well-being, migration*

Article 185 TFEU, 2018-2028

Participants: 11 EU Member States: 3 Associated Third Countries, 5 non-Associated Third Countries

Budget: €494 M (€274 M national contributions, €220 M EU contribution, Additional in-kind contributions: €121,5 M)



Strategic Research and Innovation Agenda

Goal:

- *Long-term collaboration between Euro-Mediterranean countries, on an equal footing*
- *Alignment of national programmes*
- *Synergies with European Research Area for the Neighbourhood and other research initiatives*

Cross-Cutting Themes

Soil Sustainability, Food Security, Digital Revolution, Socio-Economic Research and Stakeholders Involvement, Capacity Building



SRIA – 3 Thematic Areas



MANAGEMENT OF WATER

Integrated and sustainable management of water for arid and semi-arid Mediterranean areas



FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints

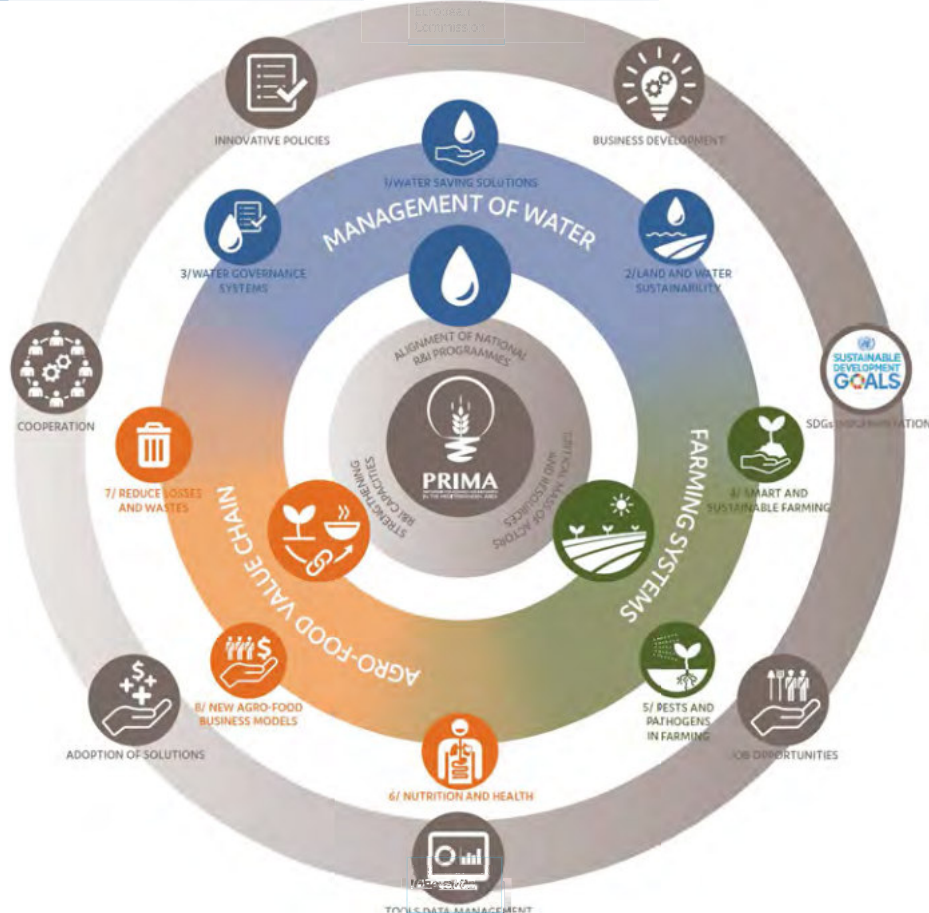


AGRO-FOOD VALUE CHAIN

Sustainable Mediterranean agro-food value chain for regional and local development.

PRIMA Annual Work Plan

- **3 sections:**
 - **Section 1 calls** – actions and activities organised, managed and funded by the EU/PRIMA-IS (in line with H2020)
 - **Section 2 calls** – organised by PRIMA-IS and funded by national contributions of PRIMA participating states
 - **Section 3 calls** – organised, managed and funded by the PS
- *Indicative budget for AWP 2018:*
 - **€20 million by EU**
 - **at least €40 million by PS**



European
Commission

OUTLOOK

- *INSPIRATION SRA to be consolidated*
- *Opportunities for match-making of funders through National Contact Partners, INSPIRATION4EU*
- *Horizon 2020 calls 2018-20*
- *PRIMA call for proposals 2018 and beyond*
- *Preparation of FP9 and other EU programmes beyond 2020*

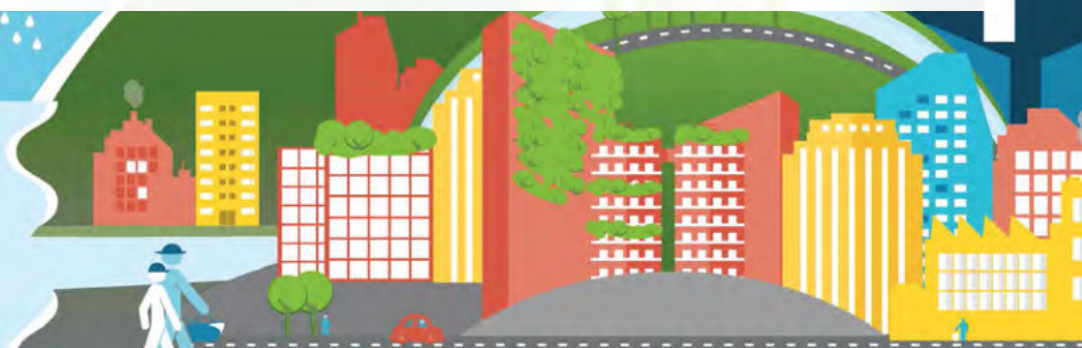


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Innovating Cities: <http://europa.eu/!rq76WG>
@InnovatingCitie #InnovatingCities

Cultural Heritage: <http://europa.eu/!Jy84Pr>



HORIZON 2020

An open invitation to work with you to work with nature!

Find out more:
www.ec.europa.eu/research/horizon2020