“Current status and future programmes/calls of the Water JPI and related ERAnets and on other important EU-level initiatives in water resources management (PRIMA)”

Giuseppina Monacelli – ISPRA Italian National Institute for Environmental Research and Protection
The Water JPI is one of the ten Joint Programming Initiatives (JPIs) identified on relevant societal challenges.

The aim is to strengthen coordination and cooperation among EU Member States and Associated Countries about themes representing urgent and far-reaching problems, which could be better solved by joining efforts at European and international level.

The Water JPI is harmonizing national Research, Development and Innovation (RDI) agendas and developing joint actions (projects, mobility and infrastructure) in the water sector.
"Water challenges in a Changing World"
5 themes (SRIA 2.0)
47° EurAQUA Management Board Meeting
Bruxelles, 27-28 September 2016

**Pilot Call** – Emerging Contaminants
MS 9 M€ - 7 funded projects / Kick-off meeting 11 March 2015

**WaterWorks2014** – Research and Innovation for Developing Technological Solutions and Services:
1. for Water Treatment, Reuse, Recycling and Desalination;
2. for Water Resources Management;
3. to Mitigate Impacts of Extreme Events (Floods and Droughts) at Catchment Scale.
MS : 12,3 M€ + EC: 6,06 M€ = 18,37 M€ 16 funded projects

**WaterWorks2015** – Water and Agriculture – in cooperation with FACCE JPI
MS: 17 M€ + EC: 8,5 M€ = 25,5 M€
Launch of the call: beginning of 2016 – II stage ongoing

**IC4WATER Call** – topic in relation with UN SDGs

**WaterWorks2017** – Closing the Water Cycle Gap – Sustainable management of water resources (WP 2017- EC funds 10M€)

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<table>
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<th>ERA-NET Cofund</th>
<th>Timeframe</th>
<th>SRIA Theme</th>
<th>Scope</th>
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1.2.3. Understanding and managing ecological flows  
1.2.4. Integrated eco-technological solutions for the remediation and mitigation of degraded water bodies and aquatic ecosystems | BIODIVERSA                   |                            |
| H2020 SC5 WP 2019 – TBC? | 2020-2024 – TBC? | Theme 2    | 2.1.2. Understanding and predicting the environmental behaviour and effects of by-products, pollutants and pathogens, including their environmental effects | JPI AMR                      | The proposed timing would correspond with the completion of the 2013 Pilot Call Projects |
| H2020 SC5 WP 2020 – TBC? | 2021-2025 – TBC? | Theme 1    | 1.3.1. Understanding the causes of drought/scarcity, predicting drought events and water scarcity and developing adaptation measures  
1.3.2. Developing innovative (or improved) tools for adaptation to hydro-climatic extreme events, especially floods | JPI Climate and/or JPI Urban Europe | The timing of this Joint call would allow to review the topics/scope covered by the foreseen Joint Call between Urban Europe & the Belmont Forum |
International cooperation on water R&I

A collaboration with **India** (INNO INDINGO Partnership Programme) and a project dealing with water reuse and recycling with **South America** started under FP 7.

In **Water JPI ERANET Cofund 2014 and 2015** the partnership included **South Africa, Taiwan, USA, Canada, Tunisia, Egypt** and **Moldova**.

**PIANO** project supports the Europe-**China** water platform (CEWP) for enhancing the cooperation in R&I.

The cooperation with **Africa** and the **non-UE Mediterranean countries** is implemented by the **AfriAlliance** project, dealing with future climate change challenges having African and European stakeholders work together in the areas of water innovation, research, policy, and capacity development.
Towards an initiative under article 185 TFEU

2-3 April 2012, Barcelona EuroMediterranean conference on R&I – Conclusions “initiative under article 185”

July 2012, Nicosia Informal meeting of the ministers in charge of research, Creation Open-end Core Group, transformed in General Assembly (9-14)


13 May 2014, Athens Informal meeting of the Ministers in charge of research
26 May 2014, Brussels Competitiveness Council
5 December 2014, Brussels Competitiveness Council - The Council invited the EC, in full respect of its right of initiative, to launch an Impact Assessment
An integrated programme on food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies based on

INCONET: MIRA and MED SPRING to favor S&T policy dialogue and support with concrete actions the process towards an Art.185
• BILAT: EARN (DZ), EU-JORDAN Net II (JO), MOBILISE (MO)
• ERA-WIDEs
• ERANET with MPCs: ARIMNET 1 and 2 (Agri-food);
• FORESTERRA, SEAS-ERA, MARINERA; MARIFISH...
• ERANETMED (ERANET in the frame of INCO CAPACITY)
• other projects dealing with the Mediterranean area (es. Perseus)
Towards an initiative under article 185 TFEU

CSA 4PRIMA

The overall objective of the 4PRIMA Coordination and Support Action (CSA) is to create the bases and support for long-term, well-structured and integrated partnership for research and innovation on food systems and water resources, between countries of both shores of the Mediterranean basin.

Objective 1. Contributing to alignment research and innovation programmes on food systems and water use in the Euro-Mediterranean Area

Objective 2. Ensuring awareness raising and stakeholder involvement

Objective 3. Ensuring an appropriate development and uptake of the Strategic Research and Innovation Agenda (SRIA) on the food and water themes in the EuroMed area

Objective 4. Unlocking innovation on water management and food security of the Mediterranean private and public actors

Objective 5. Ensuring sustainable support to PRIMA Initiative by adequate structure and robust implementation plan

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Towards an initiative under article 185 TFEU

July 2016 - positive result of impact assessment on expert group evaluation and public consultation results

NEXT STEPS:

2016 Submission of EC Proposal to EU Council and EU Parliament

2017 Launch of the initiative under Maltese Presidency

2018 PRIMA initiative art.185 TFEU
General objectives

A Joint Research Programme within H2020 (art.185 TFEU)

- to develop innovative solutions and promote their adoption for improving the efficiency and sustainability of food production and processing and water provision in the Mediterranean Area

- to support an inclusive well-being, stability and socio-economic development in the Mediterranean Area, within the framework of a reinforced Euro-Mediterranean cooperation

- to facilitate the creation of knowledge-based competences and jobs in the Mediterranean Area

Budget

About 250 M€ cash contribution has been committed by participating PRIMA countries for the initiative, over a 10-year period as from 2018 (virtual common pot; EC contribution up to 50%)
### Table 4 - Total renewable water resources per capita (cubic meter)


The global **per capita water availability scenario for 2025** shows a critical situation for SEMCs in Mediterranean area.
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**PILLAR 1**
Sustainable management of water for arid and semi-arid Med areas

**PRIMA OBJECTIVES**
2. To test and stimulate adoption of context-tailored water-saving solutions, in particular in agriculture
7. To improve land and water sustainability in arid and semi-arid watersheds
8. To elaborate and stimulate adoption of new policies and protocols for the governance of water management systems

**PILLAR 2**
Sustainable farming systems under Med environmental constraints

**PRIMA OBJECTIVES**
1. To develop smart and sustainable farming systems to maintain natural resources and to increase production efficiency
5. To design and promote the adoption of novel approaches to reduce the impact of pests and pathogens in farming

**PILLAR 3**
Mediterranean food value chain for regional and local development

**PRIMA OBJECTIVES**
3. To innovate in the Mediterranean food products based on Mediterranean diet heritage and to enhance the links between nutrition and health
4. To find context-adapted solutions to increase food and water chain efficiency, and reduce losses and wastes
6. To conceive and implement innovative, quality oriented models in agro-business as potential sources of new jobs and economic growth

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THANK YOU FOR YOUR KIND ATTENTION

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