PRIMA Initiative and 4PRIMA

An integrated programme on food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies

Angelo Riccabonni
PRIMA Chair
4PRIMA Manager
PRIMA
Partnership for Research and Innovation in the Mediterranean Area

Co-ownership, mutual interest and shared benefit

Co-financed and Co-designed

- Long-term orientation
- Avoiding fragmentation and duplications in R&I
- Focused on Research, Innovation and Adoption of solutions
Goal

To develop innovative solutions and promote their adoption for improving the efficiency and sustainability of food productions and water provision

in order to support an inclusive well-being and socio-economic development in the Mediterranean Area

within the framework of a reinforced Euro-Mediterranean cooperation
Specific OBJECTIVES

- To enhance knowledge and unlock its innovation potential for food security and water availability.
- To advance existing knowledge and innovations for water and food quality and safety.
Operational Objectives grouped in 3 Pillars

**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

Monitoring PRIMA impacts through SDGs indicators
PRIMA & SDGs

The framework of Sustainable Development Goals (SDGs) includes two specific goals, among the 17 SDGs, dedicated to **FOOD SECURITY** (SDG2 End hunger, achieve food security and improved nutrition and promote sustainable agriculture) and **SUSTAINABLE MANAGEMENT OF WATER** (SDG6 Ensure availability and sustainable management of water and sanitation for all). For each of them there are several indicators that can be used to monitor the magnitude of the effects produced by projects under the PRIMA initiative.

**Other cross-cutting issues:**

- No poverty (SDG 1)
- Good health and well-being (SDG 3)
- Affordable and green energy (SDG 7)
- Decent work and economic growth (SDG 8)
- Reduce inequalities (SDG 10)
- Sustainable communities (SDG 11)
- Sustainable consumption and production (SDG 12)
- Climate action (SDG 13)
- Sustainable management of oceans and coastal areas (SDG 14)
- Sustainable land use, forest and other terrestrial ecosystems (SDG 15)
Relationship between indicators and PRIMA objectives

- Objective 1: Smart & sustainable farming, increase production
- Objective 2: Water-saving solutions in agriculture
- Objective 3: Solutions for agro-food industry, nutritional Mediterranean heritage
- Objective 4: Solutions for food & water chain efficiency, reduce losses & wastes
- Objective 5: Reduce pests & pathogens in farming, human health
- Objective 6: Innovative models in agro-business, new jobs, economic growth
- Objective 7: Improve land & water sustainability, semi-arid watersheds
- Objective 8: New governance models, water management
- GHG emissions
- Cereal yield
- Fertilizer consumption
- Safe water service
- Safe water sanitation
- Land use
- Proportion of total water used
- Soil integrity or degradation
- Population overweight
- Biodiversity of Food
- Agricultural residues for energy purpose
- Pesticides and herbicides (use)

Enhance knowledge & unlock innovation potential for food security & water availability

PRIMA
Advance existing knowledge & innovations for water & food quality & safety

Crop water productivity

Agriculture value added
An article 185 initiative is the most suitable instrument to tackle the global challenges of the Mediterranean region in an integrated way.

**Appropriateness of an Art 185 TFEU initiative**

**Scientific integration**

Multi-annual *joint implementation* of a *common agenda*

optimizing national R&I activities and programmes

**Management integration**

*Joint management* operated through an *independent legal entity*

- the Dedicated Implementation Structure -

reduction of transaction costs; avoid duplications;

alignment of existing programmes

**Financial integration**

*High level and solid multiannual financial commitments* by participating states
THE PRIMA WEB SITE

http://www.prima4med.org
Coordination and Support Action (CSA)

PARTNERSHIP FOR RESEARCH AND INNOVATION IN THE MEDITERRANEAN AREA

Submitted to the EC on January 26, 2016
Invitation Grant Agreement Procedure on March 3, 2016
1. Proposal No: **724060** - 4PRIMA – CSA

2. **Topic: SC5-12-2016** - Food systems and water resources for the development of inclusive, sustainable and healthy Euro-Mediterranean societies

4. **Maximum EU grant amount:** 1,999,378.75 EUR

5. **Duration of the Action:** 18 Months

6. **Fixed Starting date:** 1st May 2015

7. **Grant Agreement Procedure** ongoing-not signed yet

4PRIMA will provide PRIMA initiative with the necessary support and preparatory actions needed in order to deliver a long term partnership with secured funding for R&I cooperation from the participating countries and leverage effect at regional and European level
Main objective

To create bases and support for a well-structured and integrated partnership for research and innovation on food systems and water resources, based on the principles of co-ownership, integration, mutual and shared benefits between the countries of both shores of the Mediterranean basin.
Scope

• To bring together the main national research funding owners and/or managers involved in the PRIMA joint programming process, including the non-European participating states and their institutions, around a jointly designed Strategic Research Agenda with appropriate governance and implementation structures.

• A critical mass of players and increased synergies between all relevant stakeholders (e.g. relevant ministries responsible for sustainable agricultural production systems and water resources management, research institutions and universities, farmers' organisations) will be key elements for addressing the challenge.
Five Specific Objectives

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 by adequate structure and robust implementation plan.
4PRIMA Methodology

From a fragmented effort to a collectively built research and innovation community: the 4PRIMA methodology
### 4PRIMA Work Plan Tasks

#### WP1: Ethics Requirements
- Task 1 Organization structure and supervision of the results. Task leader: MIUR.
- Task 2 Administrative Management. Task leader: MIUR.
- Task 3 Risk management. Task leader: HCST.

#### WP2: Task 1 Organization structure and supervision of the results. Task leader: MIUR.
- Task 2 Administrative Management. Task leader: MIUR.
- Task 3 Risk management. Task leader: HCST.

#### WP3: WP3
- Task 1 Mapping R&I funding institutions programmes, investments and instruments, mobility schemes. Task leader CIHEAM
- Task 2 Alignment and monitoring with national research programmes and policy. Task leader CNRS
- Task 3 Synergies with other relevant EU intergovernmental programmes. Task leader FCT
- Task 4 Interaction with international programmes and initiatives. Task leader: RPF

#### WP4
- Task 1 Creation of the PRIMA Stakeholder forum and consultation with stakeholders from relevant sectors (Agriculture, Environment, Water, Scientific, Technology). Task Leader: MHESR.
- Task 2 Awareness Raising and inclusion of further countries in the PRIMA Initiative. Task Leader: MCST.
- Task 3 Contribute to the creation of cooperative science and policy interfacing networks. Task Leader: EMUNI.
- Task 4 Malta Presidency Conference involving CSA Stakeholders and Research Ministries. Task Leader: MCST.

#### WP5
- Task 1 Prioritization, development and update of PRIMA objectives. Task leader MIUR
- Task 2 Preparation of SRIA Consultation and Consultation on SRIA White Paper. Task leader MINECO
- Task 3 Elaboration of SRIA. Task leader ANR
- Task 4 Guidelines for transferring contents from research agendas to national policies and Research institutions. Task leader MESRST.

#### WP6
- Task 1 Exploring best options for the definition of Joint Activities of the future PRIMA Programme. Task leader
- Task 2 Generation of guidelines and procedures for implementing activities. Proposed task leader DLR
- Task 5 Evaluation of possible funding mechanisms. Task Leader: MIESRET
- Task 4 PRIMA governance – Comparison among policy options. Task leader: MINECO

#### WP7
- Task 1 Dissemination and raising awareness. Task leader: EMUNI
- Task 2: Communication material. Task leader: CERTH
- Task 3: Development, maintenance and improvements of the project web site. Task leader: SEMIDE
- Task 4: Exploitation of project results to enhance the innovation potential of the PRIMA actions. Task leader: UNISI
- Task 5: Final conference. Task leader: RPF
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<th>WP1 Ethics Requirements</th>
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<td>WP2 Management, review and assessment</td>
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<tr>
<td>Task 1 Organization structure and supervision of the results</td>
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<td>Task 2 Administrative Management</td>
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<td>Task 3 Risk management</td>
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<tr>
<td>WP3 Alignment of Research at National, European and International level – State of art/Baseline commercialization and real case tests</td>
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<tr>
<td>Task 1 Mapping R&amp;I funding institutions programs, investments and instruments, mobility scheme</td>
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<td>Task 2 Alignment and monitoring with national research programmes and policy</td>
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<td>Task 3 Synergies with other other relevant EU intergovernmental programmes</td>
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<td>Task 4 Interaction with international programmes and initiatives.</td>
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<tr>
<td>WP4 Mobilising stakeholders/Knowledge exchange</td>
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<tr>
<td>Task 1 Creation of the PRIMA Stakeholder forum and consultation (Agriculture, Environment, Water, Scientific, Technology)</td>
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<tr>
<td>Task 2 Awareness Raising and inclusion of further countries in the PRIMA Initiative</td>
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<td>Task 4 Malta Presidency Conference involving CSA Stakeholders and Research Ministries</td>
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<td>WP5 Strategic Research and Innovation Agenda</td>
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<td>--------------------------------------------</td>
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<tr>
<td>Task 1 Prioritization, development and update of PRIMA objectives</td>
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<tr>
<td>Task 4.2 Preparation of SRIA Consultation and Consultation on SRIA White Paper</td>
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<tr>
<td>Task 4.3 Elaboration of SRIA</td>
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<td>Task 4.4 Guidelines for transferring contents from research agendas to national policies and Research institutions</td>
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<thead>
<tr>
<th>WP6 PRIMA Implementation plan</th>
<th>Months</th>
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<tbody>
<tr>
<td>Task 1 Exploring best options for the definition of Joint Activities of the future PRIMA Programme</td>
<td>D6.1</td>
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<tr>
<td>Task 2 Generation of guidelines and procedures for implementing activities</td>
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<tr>
<td>Task 3 Evaluation of possible funding mechanisms</td>
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<tr>
<td>Task 4 PRIMA governance – Comparison among policy options</td>
<td>D6.2</td>
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<thead>
<tr>
<th>WP7 Dissemination, communication and exploitation</th>
<th>Months</th>
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</thead>
<tbody>
<tr>
<td>Task 1 Dissemination and raising awareness</td>
<td>D7.1   D7.2</td>
</tr>
<tr>
<td>Task 2: Communication material</td>
<td>D7.3   D7.4 D7.13</td>
</tr>
<tr>
<td>Task 3: Development, maintenance and improvements of the project website</td>
<td>D7.5   D7.6</td>
</tr>
<tr>
<td>Task 4: Exploitation of project results to enhance the innovation potential of the PRIMA actions</td>
<td>D7.7</td>
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<tr>
<td>Task 5: Final conference</td>
<td>D7.8   D7.10</td>
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**4PRIMA work flow-GANTT**

[Table showing project workflow with tasks and corresponding months]
<table>
<thead>
<tr>
<th>Location</th>
<th>WP, Task</th>
<th>Target group and topic</th>
<th>Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rome, Italy</td>
<td>Kick off meeting</td>
<td>Beneficiaries of 4PRIMA</td>
<td>MONTH 1</td>
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<td></td>
<td></td>
<td></td>
<td>(May 2016)</td>
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<tr>
<td>Tunisia</td>
<td>WP4 Stakeholder Meeting</td>
<td>PRIMA Stakeholder forum</td>
<td>MONTH 6</td>
</tr>
<tr>
<td>Bari, Italy</td>
<td>WP3 Meeting on results of mapping and discussion on potential synergies with other initiatives</td>
<td>4PRIMA beneficiaries and representatives of JPIs and EITs (KIC FOOD 4Future) will meet under the 4PRIMA aegis for discussing on mapping exercise and agree on potential synergies to be built with national and regional programmes</td>
<td>MONTH 7</td>
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<tr>
<td>Egypt</td>
<td>WP4 Stakeholder Meeting</td>
<td>PRIMA Stakeholder forum, GSO</td>
<td>MONTH 8</td>
</tr>
<tr>
<td>Beirut, Lebanon</td>
<td>WP3 Meeting on alignment</td>
<td>Ministries and scientific community will meet under the 4PRIMA aegis for discussing on the alignment with national research programme and policies</td>
<td>MONTH 10</td>
</tr>
<tr>
<td>La Valletta, Malta</td>
<td>WP4 Stakeholder Meeting</td>
<td>Technical conference with stakeholders</td>
<td>MONTH 11</td>
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<tr>
<td></td>
<td>WP4 Malta Presidency Conference</td>
<td>Ministries</td>
<td></td>
</tr>
<tr>
<td>Siena, Italy</td>
<td>WP7 Meeting for unlocking innovation to SMEs; industries, companies</td>
<td>Selected SMEs, representative of the Industries</td>
<td>MONTH 12</td>
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## 4PRIMA Events

<table>
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<tr>
<th>Location</th>
<th>WP, Task</th>
<th>Target group and topic</th>
<th>Months</th>
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</thead>
<tbody>
<tr>
<td>France</td>
<td>WP7 Meeting for Disseminating the SRIA</td>
<td>Research institutions policy makers, representatives of businesses, Stakeholder fora</td>
<td>MONTH 14</td>
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<td></td>
<td>Project Meeting</td>
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<tr>
<td>Slovenia, Ljubljana</td>
<td>WP7 Meeting Science diplomacy and migration</td>
<td>Research institutions, senior academics and officials as well as decision-makers and international organisations</td>
<td>MONTH 17</td>
</tr>
<tr>
<td>Cyprus</td>
<td>WP7 Final Conference</td>
<td>Policy makers, research entities, industrial stakeholders, farmers and consumer associations, NGOs</td>
<td>MONTH 18 (November 2017)</td>
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# 4PRIMA Project meetings

<table>
<thead>
<tr>
<th>Location</th>
<th>Type of Meeting</th>
<th>Month</th>
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<tbody>
<tr>
<td>Italy - Rome</td>
<td>Kick off meeting</td>
<td>Month 1</td>
</tr>
<tr>
<td>Italy-Bari</td>
<td>Project meeting</td>
<td>Month 7</td>
</tr>
<tr>
<td>Malta – La Valletta</td>
<td>Project meeting</td>
<td>Month 11</td>
</tr>
<tr>
<td>France - Montpellier</td>
<td>Project meeting</td>
<td>Month 14</td>
</tr>
<tr>
<td>Cyprus - Nicosia</td>
<td>Final meeting</td>
<td>Month 18</td>
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