PRIMA
PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA

Diego Intrigliolo
Ministerio de Economía Industria y Competitividad
Consejo Superior de Investigaciones Científicas
E-mail: dintri@cebas.csic.es
Programme of PRIMA

Programme presented to the Commission by IT
22 December 2014

Euro-Mediterranean Conference on R&I in Barcelona
2-3 April 2012

Positive opinion by Regulatory Scrutiny Board (RSB)
22 July 2016

Agreement between Council and European Parliament
11 April 2017

Vote in EP plenary
13 June 2017

Establishment of Fundación PRIMA
19 June 2017

Adoption in the TTE Council
26 June 2017

4 July 2017

Valletta Declaration
4 May 2017

TODAY
Inclusive, healthy and prosperous Mediterranean societies through innovative solutions in agro-food and water systems, contributing, by the end of the programme, to sustainable use of natural resources, economic growth and stability.
Mission

“

To achieve, support and promote integration, alignment and joint implementation of R&I initiatives under a common research and innovation strategy to address the diverse challenges in water scarcity, agriculture, food security.

”
PRIMA Main Features

✓ Equal footing;
✓ Long-term commitment and orientation;
✓ Avoiding fragmentation and duplications in R&I;
✓ Focused on Research, Innovation and Adoption of solutions;
✓ Definition of a common and MED-wide Strategic Research and Innovation Agenda;
✓ Institutional relationships with MED stakeholders (end users, communities, enterprises, governments)

An article 185 initiative as the most suitable instrument to tackle global challenges of the Med region in an integrated
PRIMA Foundation Governance

Board of Trustees
Chair and Co-Chair
Representatives from each PS
EC, UfM as Observers

Steering Committee

Scientific Advisory Board

PRIMA Secretariat
Barcelona

PRIMA operates as an independent legal private entity

since 19 June 2017
Foundation under Spanish law

19 PSs members
of Foundation

Financial contribution
€ 274,000 PSs
€ 220,000 EU
PRIMA can currently count on the participation of **19 Euro-Mediterranean countries**, including:

**11 EU-countries**: Cipro, Croazia, Francia, Germania, Grecia, Italia, Lussemburgo, Malta, Portogallo, Slovenia, Spagna

**8 non-EU countries**: Algeria, Egitto, Giordania, Israele, Libano, Marocco, Tunisia, Turchia
PRIMA is recognisably the greatest achievement to date in Euro-Med cooperation in research and innovation. It will seek to ensure that two of people’s most basic needs are met: access to clean water and nutritious food.

Commissioner for Science, Research and Innovation
Carlos Moedas
PRIMA-IS Roadmap and first Calls 2017

- Establishment of PRIMA-IS: June 19th
- Ex Ante Assessment: September 19th
- Final draft of SRIA
- AWP 2018 Peer Evaluation by external experts: October 2nd
- AWP 2018 EU ISC: October 16th
- Ex Ante Assessment report: October 30th
- Delegation Agreement Transfer of Fund Agreement: December 2017
- Call Announcement: January 2018
Parte A
Strategic Research and Innovation Agenda
SRIA
## 3 Main 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
8 Operational Objectives

1/ WATER-SAVING SOLUTIONS
To test and stimulate adoption of context-tailored water-saving solutions, in particular in agriculture.

2/LAND AND WATER SUSTAINABILITY
To improve land and water sustainability in arid and semi-arid watersheds.

3/ WATER GOVERNANCE SYSTEM
To elaborate and stimulate adoption of new policies and protocols for the governance of water management system.

4/ SMART AND SUSTAINABLE FARMING
To develop smart and environmentally sustainable farming systems to maintain natural resources and to increase production efficiency.

5/ PESTS AND PATHOGENS IN FARMING
To design and promote the adoption of novel approaches to reduce the impact of pests and pathogens in farming, including their consequences on human health.

6/ NUTRITION AND HEALTH
To innovate in the Mediterranean food products based on Mediterranean diet heritage and to enhance the links between nutrition, physical activity and health.

7/ REDUCE LOSSES AND WASTES
To find context-adapted solutions to increase food and water chain efficiency and reduce losses and wastes.

8/ NEW AGRO-FOOD BUSINESS MODELS
To conceive and implement innovative, quality oriented models in agro-businesses as potential sources of new jobs and economic growth.
Integrated PRIMA approach
R&I priorities, operational objectives, main actions and Technology Readiness Levels for Thematic Area 1

**MANAGEMENT OF WATER**
Integrated and sustainable management of water for arid and semi-arid Mediterranean areas

<table>
<thead>
<tr>
<th>Research and Innovation Priority</th>
<th>Link to Operational Objective</th>
<th>Main Actions</th>
<th>TRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Water resources availability and quality within catchments and aquifers</td>
<td>RIA</td>
<td>2 to 5</td>
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<tr>
<td></td>
<td>2/Land and Water Sustainability</td>
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<tr>
<td>2</td>
<td>Sustainable, integrated water management</td>
<td>RIA and CSA</td>
<td>3 to 6</td>
</tr>
<tr>
<td></td>
<td>2/Land and Water Sustainability 3/Water Governance Systems</td>
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</tr>
<tr>
<td>3</td>
<td>Irrigation technologies and practices</td>
<td>RIA and IA</td>
<td>4 to 8</td>
</tr>
<tr>
<td></td>
<td>1/Water Saving Solutions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Use of alternative water resources, technologies and governance models</td>
<td>RIA and IA</td>
<td>5 to 8</td>
</tr>
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<td></td>
<td>1/Water Saving Solutions 3/Water Governance Systems</td>
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</table>
### R&I priorities, operational objectives, main actions and Technology Readiness Levels for Thematic Area 2

#### FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints

<table>
<thead>
<tr>
<th>RESEARCH AND INNOVATION PRIORITY</th>
<th>LINK TO OPERATIONAL OBJECTIVE</th>
<th>MAIN ACTIONS</th>
<th>TRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Adaptation of agriculture to climate change</td>
<td>[4/ SMART AND SUSTAINABLE FARMING]</td>
<td>RIA</td>
<td>2 to 5</td>
</tr>
<tr>
<td>2 Developing sustainable and productive agro-ecosystems</td>
<td>[4/ SMART AND SUSTAINABLE FARMING]</td>
<td>RIA and IA</td>
<td>2 to 7</td>
</tr>
<tr>
<td>3 Preventing the emergence of animal and plant diseases</td>
<td>[5/ PESTS AND PATHOGENS IN FARMING]</td>
<td>RIA</td>
<td>2 to 6</td>
</tr>
<tr>
<td>4 Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development</td>
<td>[4/ SMART AND SUSTAINABLE FARMING]</td>
<td>RIA and CSA</td>
<td>2 to 5</td>
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### AGRO-FOOD VALUE CHAIN
Sustainable Mediterranean agro-food value chain for regional and local development.

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</thead>
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<tr>
<td>1</td>
<td>6/ NUTRITION AND HEALTH</td>
<td>RIA and CSA</td>
<td>2 to 7</td>
</tr>
<tr>
<td>Valorising food products from traditional Mediterranean diet</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td>7/ REDUCE LOSSES AND WASTES</td>
<td>RIA</td>
<td>2 to 6</td>
</tr>
<tr>
<td>Food Safety in local food chains</td>
<td></td>
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<td>3</td>
<td>7/ REDUCE LOSSES AND WASTES</td>
<td>RIA and IA</td>
<td>4 to 8</td>
</tr>
<tr>
<td>Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders</td>
<td>8/ NEW AGRO-FOOD BUSINESS MODELS</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>6/ NUTRITION AND HEALTH</td>
<td>RIA and CSA</td>
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<tr>
<td>Implications of dietary shifts and sustainable diets for the Med populations and food industry</td>
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</tbody>
</table>
Cross-cutting themes and activities

Cross-cutting themes
- Soil Sustainability
- Food Security

Cross-cutting technologies and approaches
- Digital Revolution
- Socio-Economic Research and Stakeholders Involvement
- Capacity Building
Parte B
Annual Work Plan 2018
AWP
PRIMA Implementation

• **Section 1.** EU funds in form of Research & Innovation and Innovation action H2020 like (with an expected budget per project of 2.0 to 3.0 M€)

• **Section 2.** ERA-NET like with national funds. Spain will support both public and private institutions by means of AEI and CDTI

• Both section under **PRIMA SRIA**, and PRIMA DIS implementation plans. **Calls to be launched early in 2018.**
PRIMA Implementation

• **Work Programme for 2018 under evaluation.** A first draft is currently under revision by the Commission and an external evaluation panel.

• **Proposal to be submitted in two stages.** Format, length and evaluation procedure similar to H2020 rules.

• **Section 1.** Proposals with a multi-disciplinary and multi-actor approach.

• **Section 2.** More targeted and specific projects will have to consider the national rules and funding rates.
## Work Plan 2018. Water Priorities

<table>
<thead>
<tr>
<th>Research and innovation priority</th>
<th>Technology readiness level</th>
<th>Type of action</th>
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<tr>
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<td>Research and innovation action under ERANET scheme</td>
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<td>4 to 8</td>
<td>Research and innovation action under ERANET scheme</td>
</tr>
<tr>
<td>Water reuse and water desalination for agricultural and food production</td>
<td>5 to 8</td>
<td>Research and innovation action funded under section 1 (EU Funds)</td>
</tr>
</tbody>
</table>
## Work Plan 2018. Agriculture Priorities

<table>
<thead>
<tr>
<th>Research and innovation priority</th>
<th>Technology readiness level</th>
<th>Type of action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adaptation to climate change and associated expanding drought, warming, and extreme events</td>
<td>2 to 5</td>
<td>Research and innovation action under ERANET scheme</td>
</tr>
<tr>
<td>Developing sustainable and productive agro-ecosystems</td>
<td>3 to 7</td>
<td>Research and innovation action funded under section 1 (EU funds)</td>
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<td>Preventing the emergence of animal and plant diseases</td>
<td>2 to 6</td>
<td>Research and innovation action under ERANET scheme</td>
</tr>
<tr>
<td>Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development</td>
<td>2 to 5</td>
<td>Spain will not include funding for this priority in 2018</td>
</tr>
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<td>Research and innovation priority</td>
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<td>2 to 6</td>
<td>Research and innovation action under ERANET scheme</td>
</tr>
<tr>
<td>Implementing innovation in Mediterranean Agri-food chains by smallholders and SMEs.</td>
<td>5 to 8</td>
<td>Innovation action funded under section 1 (EU Funds)</td>
</tr>
<tr>
<td>Health effects of the dietary shifts and promotion of healthy and sustainable diet for the Med Populations</td>
<td>2 to 6</td>
<td>Research and innovation action under ERANET scheme</td>
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</table>
General recommendations

• PRIMA is a Research & Innovation programme. Scientific excellence and tangible impacts should be demonstrated

• PRIMA searches for tight collaborations between north and south shores of the Mediterranean. South partners have to be well involved in the proposals

• PRIMA is an initiative searching for solutions to the Mediterranean challenges and its specificities

• For Section 2 mainly, previous R&D programmes such ARIMNET and ERANET-MED should be considered as reference
Next events

PRIMA PRIMA info and networking event
8 November 2017, Brussels

PRIMA info and networking event
8 November 2017, Brussels

MEC Management Centre Europe, Rue de la Régence 118, 1050 Brussels

Draft Programme

14:00 Registration

14:30 Strategy, Objectives and Impacts of the PRIMA Programme
Angelo Riccaboni, PRIMA Foundation Chair

14:50 Presentation of the PRIMA Strategic Research Innovation Agenda
Florence Jaquiot, ANR

15:10 Implementation of the PRIMA Programme: state of play and launch of first calls
Octavi Quintana Trias PRIMA Foundation Director

15:30-16:00 Q&A

16:00 Round table: “Sustainable water provision and food systems in the Mediterranean Area: fostering collaboration with other European and International Initiatives”
With representatives of initiatives in the field and business

Moderator: tbd

17:00 Wrap-up and Conclusion, Omar Armani PRIMA Foundation Co-Chair

Email for registration: prima@unica.it
Acknowledgements

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• Ministerio de Economía Industria y Competitividad (AEI, CDTI y FECYT)
• H2020 4PRIMA CSA

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FECYT: A. Carrero, C. Cabello
INIA: M. Lainez, R. Lansac
SEIDI: B. Navas, O. Martinez, J.M. Vázquez
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