



# **PRIMA – Partnership for Research and Innovation in the Mediterranean Area**

DG RTD I.2, European Commission  
Adapted for SWIM H2020 SC

# Challenges in the Mediterranean Region

- *Climate change*
- *Population growth and food security*
- *Water scarcity and overexploitation of natural resources*
- *Unsustainable agriculture*
- *Biodiversity loss*
- *Lifestyle patterns*
- *Agro-food value chains*

# What will PRIMA achieve?

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

- *make integrated water management and agro-food systems in the region more climate-resilient, efficient, cost-effective and sustainable*
- *develop joint innovative solutions by pooling know-how and financial resources*
- *address up-stream problems such as water scarcity, food security, health...*

# PRIMA – Facts & Figures

- **The Prima initiative** is an association of countries which want to joint their efforts for research and innovation in the MED Region.
- **Aim:** to achieve maximum integration at scientific, management and financial levels among all Participating States
- **Duration:** 2018-2028 (entry into force: 8/2017)
- **Starting Date:** launch of calls for proposal foreseen for end of January 2018
- **Current Budget:** €494,8 million
  - €274,8 million national contributions
  - €220 million EU contribution

# PRIMA – Participation

## ***Current number of Participating States: 16***

- ***11 EU Member States:***

*Cyprus, France, Germany, Portugal, Luxembourg, Greece, Italy, Malta, Spain, Croatia, Slovenia*

- ***3 H2020 Associated Third Countries:***

*Israel, Tunisia, Turkey, Jordan and Algeria*

***Plus:***

- ***3 H2020 non-Associated Third Countries:***

*Egypt, Lebanon, Morocco (subject to international agreements)*



# PRIMA – Dedicated Implementation Structure

## *The PRIMA Foundation*

- *Management body based in Barcelona*
- *Responsible for elaboration of a strategy agenda (SRIA)*
- *Responsible international call for proposals*

# PRIMA – Strategic Research and Innovation Agenda (SRIA)

## ***Vision***

*Inclusive, healthy and prosperous Mediterranean societies through innovative solutions in agro-food and water systems that will contribute, by the end of the programme, to a sustainable use of natural resources, economic growth and stability*

## ***Mission***

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

# SRIA – Integrated Approach

## **Goal:**

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



# 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.



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# SRIA – 8 Operational Objectives

## 8 OPERATIONAL OBJECTIVES



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



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



**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



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



**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



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



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



**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



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# Thematic Area 1 – R&I Priorities



## MANAGEMENT OF WATER

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

Table 1

Research and innovation priorities and operational objectives, main actions and TRLs for Thematic Area 1.

Actions

RIA/ Research and Innovation

IA/ Innovation

CSA/ Coordination and Support

RESEARCH AND INNOVATION PRIORITY	LINK TO OPERATIONAL OBJECTIVE	MAIN ACTIONS	TRL
<b>1</b> Water resources availability and quality within catchments and aquifers	 2/LAND AND WATER SUSTAINABILITY	RIA	2 to 5
<b>2</b> Sustainable, integrated water management	 2/LAND AND WATER SUSTAINABILITY 3/WATER GOVERNANCE SYSTEMS	RIA and CSA	3 to 6
<b>3</b> Irrigation technologies and practices	 1/WATER SAVING SOLUTIONS	RIA and IA	4 to 8
<b>4</b> Use of alternative water resources, technologies and governance models	 1/WATER SAVING SOLUTIONS 3/WATER GOVERNANCE SYSTEMS	RIA and IA	5 to 8



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# Thematic Area 2 – R&I Priorities



## FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints

Table 2  
Research and innovation priorities and operational objectives, main actions and TRLs for Thematic Area 2.

Actions  
RIA/ Research and Innovation  
IA/ Innovation  
CSA/ Coordination and Support

RESEARCH AND INNOVATION PRIORITY	LINK TO OPERATIONAL OBJECTIVE	MAIN ACTIONS	TRL
<b>1</b> Adaptation of agriculture to climate change	 4/ SMART AND SUSTAINABLE FARMING	RIA	2 to 5
<b>2</b> Developing sustainable and productive agro-ecosystems	 4/ SMART AND SUSTAINABLE FARMING	RIA and IA	2 to 7
<b>3</b> Preventing the emergence of animal and plant diseases	 5/ PESTS AND PATHOGENS IN FARMING	RIA	2 to 6
<b>4</b> Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development	 4/ SMART AND SUSTAINABLE FARMING	RIA and CSA	2 to 5



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# Thematic Area 3 – R&I Priorities



## AGRO-FOOD VALUE CHAIN

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

Table 3  
Research and innovation priorities and operational objectives, main actions and TRLs for Thematic Area 3.

Actions  
RIA/ Research and Innovation  
IA/ Innovation  
CSA/ Coordination and Support

RESEARCH AND INNOVATION PRIORITY	LINK TO OPERATIONAL OBJECTIVE	MAIN ACTIONS	TRL
<b>1</b> Valorising food products from traditional Mediterranean diet	 6/ NUTRITION AND HEALTH	RIA and CSA	2 to 7
<b>2</b> Food Safety in local food chains	 7/ REDUCE LOSSES AND WASTES	RIA	2 to 6
<b>3</b> Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders	  7/ REDUCE LOSSES AND WASTES 8/ NEW AGRO-FOOD BUSINESS MODELS	RIA and IA	4 to 8
<b>4</b> Implications of dietary shifts and sustainable diets for the Med populations and food industry	 6/ NUTRITION AND HEALTH	RIA and CSA	2 to 6

# PRIMA – Annual Work Plan

*Specifying PRIMA actions and activities for each year*

- ***Basis:*** PRIMA SRIA
- ***Content:*** covers the SRIA priorities, i.e. thematic areas, operational objectives, cross-cutting themes
- ***Main activities:***
  - *Research and Innovation Actions (RIAs)*
  - *Innovation Actions (IAs)*
- ***Yearly call for proposals***

# Annual Work Plan (II)

- **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 Partner States**



# Thank you for your attention

PRIMA Initiative

<http://ec.europa.eu/research/environment/index.cfm?pg=prima>

PRIMA SRIA

<http://www.prima4med.org/2017/11/10/strategic-research-and-innovation-agenda/>