



# PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION  
IN THE MEDITERRANEAN AREA

Angelo Riccaboni  
*Chair Fundación PRIMA*

An initiative of the EC





**What PRIMA is?**

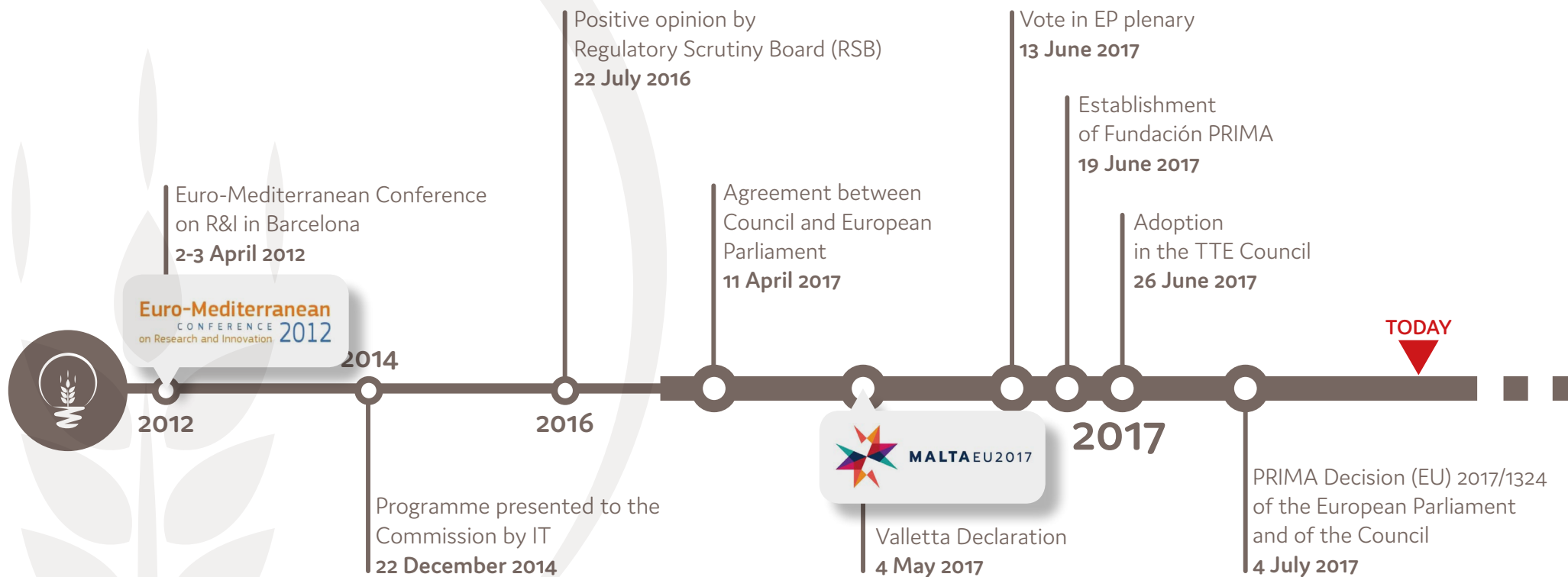
**Strategic Research and Innovation Agenda/ SRIA**

**Annual Work Plan 2018/ AWP**

# What PRIMA is?



# PRIMA Programme





## Vision

“  
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.**

”

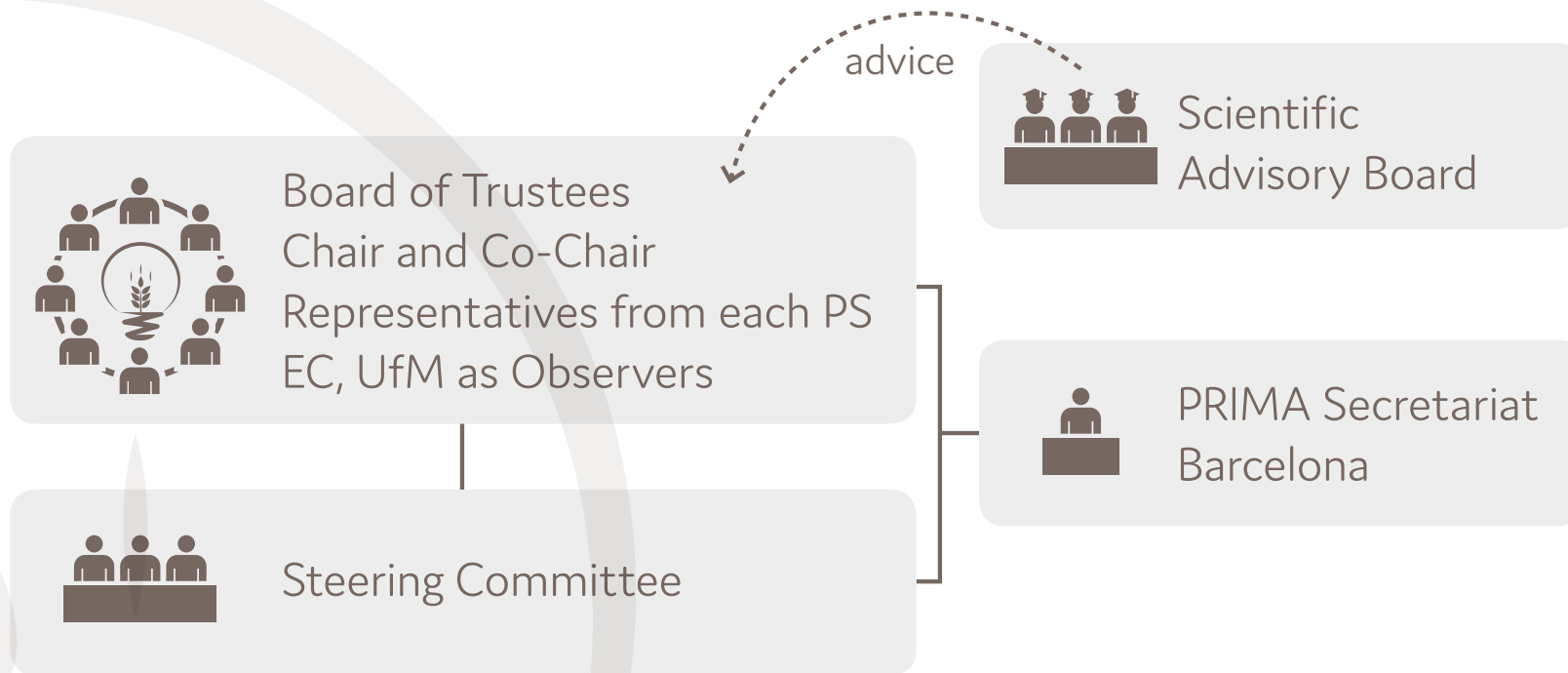
# PRIMA Main Features

- ✓ 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 way**



# PRIMA Foundation Governance



PRIMA operates as an independent legal private entity



since 19 June 2017  
Foundation under Spanish law



19 PSs members  
of Foundation



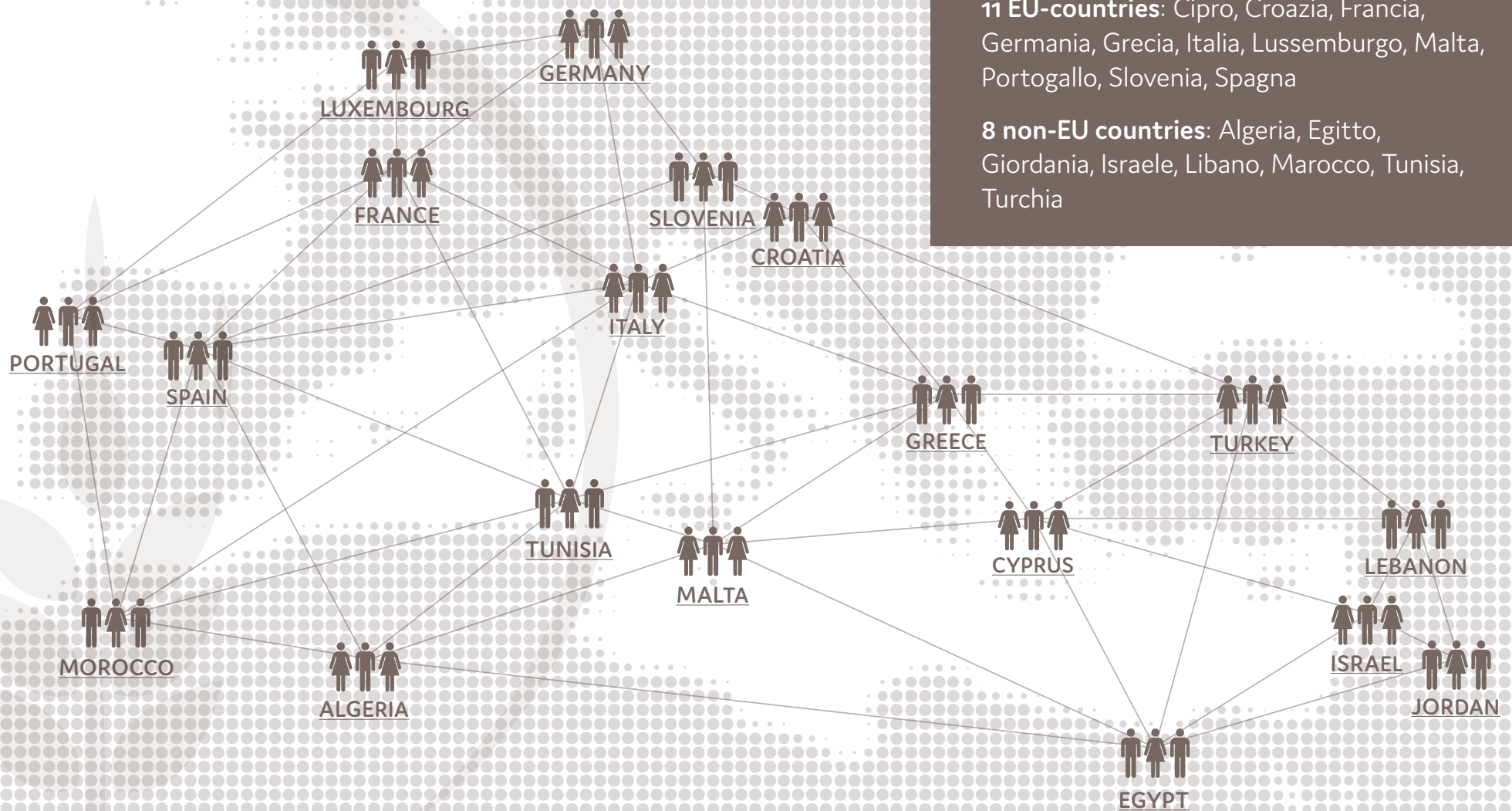
Financial contribution  
€ 274,000 PSs  
€ 220.000 EU



**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\_EU

#OpenToTheWorld

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**



# A PRIMA-IS Roadmap and first Calls 2017



PRIMA Foundation  
secretariat and offices  
in Barcelona

Start  
Ex Ante Assessment  
**September 19<sup>th</sup>**



Final draft  
of SRIA

**TODAY**

AWP 2018  
EU ISC  
**October 16<sup>th</sup>**

AWP 2018 Peer  
Evaluation by  
external experts  
**October 2<sup>nd</sup>**

Ex Ante Assessment  
report  
**October 30<sup>th</sup>**

Delegation Agreement  
Transfer of Fund Agreement  
**December 2017**

Call Announcement  
**January 2018**

Establishment  
of PRIMA-IS  
**June 19<sup>th</sup>**



 EU Decision

# 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

# 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

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





# R&I priorities, operational objectives, main actions and Technology Readiness Levels for Thematic Area 2



## FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints

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





# R&I priorities, operational objectives, main actions and Technology Readiness Levels for Thematic Area 3



## AGRO-FOOD VALUE CHAIN

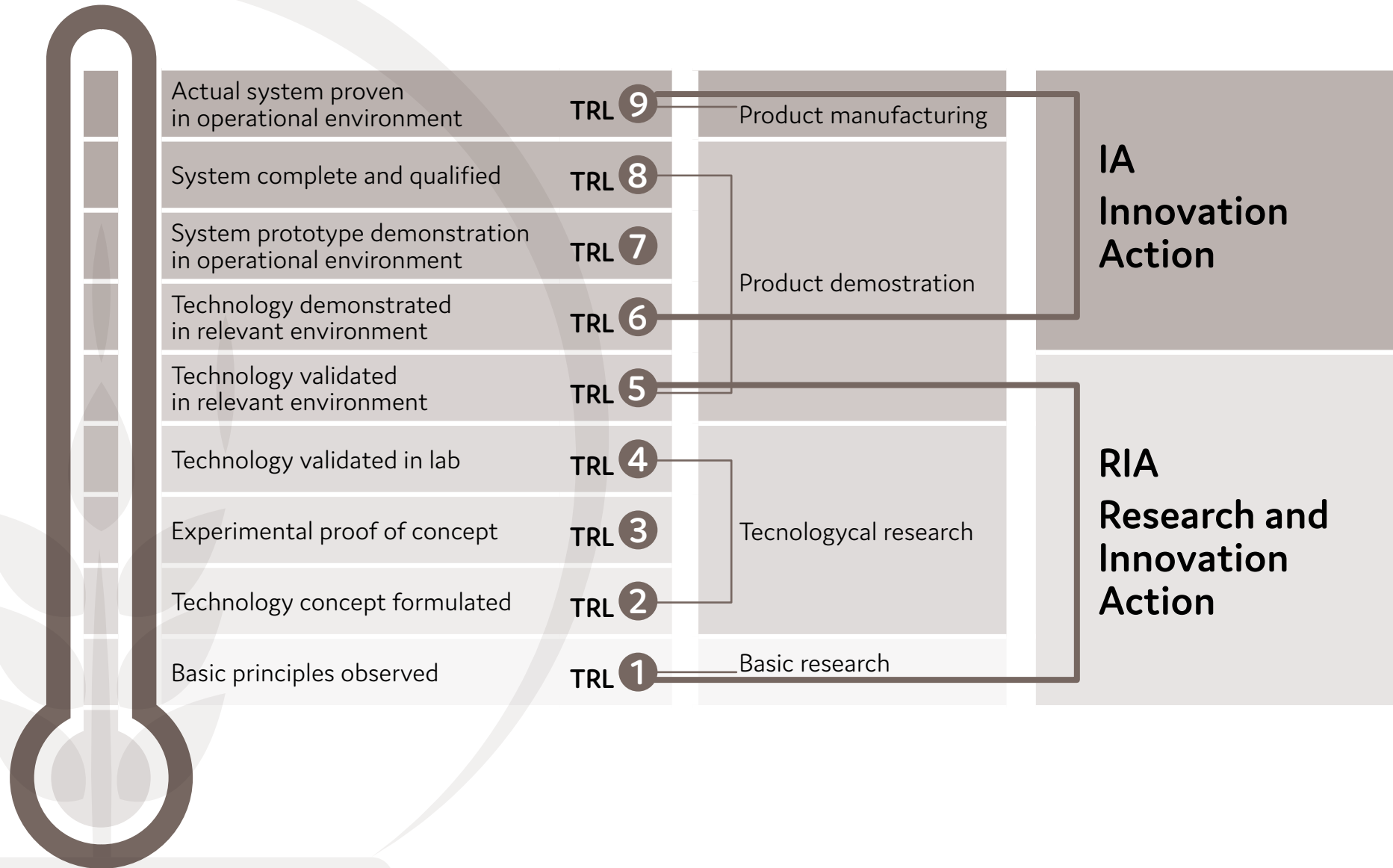
Sustainable Mediterranean agro-food value chain for regional and local development.

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



# Technology Readiness Levels (TRLs)



# Cross-cutting themes and activities

## Cross-cutting themes



SOIL  
SUSTAINABILITY

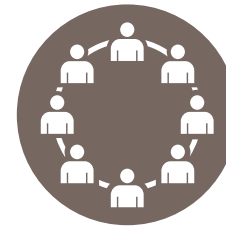


FOOD SECURITY

## Cross-cutting technologies and approaches



DIGITAL  
REVOLUTION



SOCIO-ECONOMIC  
RESEARCH  
AND  
STAKEHOLDERS  
INVOLVEMENT



CAPACITY BUILDING

# PRIMA Impacts

## Economic Impacts



- ✓ Increase in production and efficiency;
- ✓ Access to new markets;
- ✓ Greater funding options (InnovFin programme);
- ✓ Large-scale aggregate economic impacts.

## Social Impacts



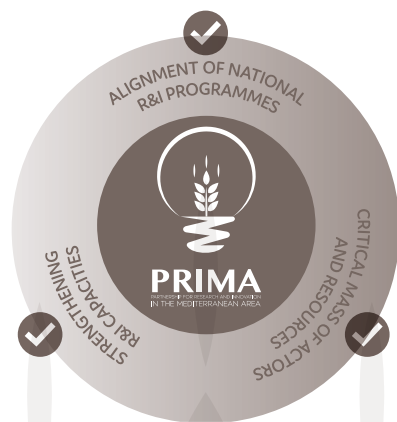
- ✓ Political stability and reduced migration.

## Environmental Impacts



- ✓ Biodiversity conservation;
- ✓ Sustainable farming practices.

# Key Performance Indicators



## KEY PERFORMANCE INDICATORS ADOPTED TO MEASURE THE IMPACT OF THE PRIMA PROGRAMME

### Specific objective #1

#### ALIGNMENT OF NATIONAL R&I PROGRAMMES

#### Outcome Indicators

- Number of new programmes integrating national initiatives in the scope of PRIMA;
- Number of harmonized national rules for participation in PRIMA activities;

### Specific objective #2

#### CRITICAL MASS OF ACTORS AND RESOURCES

#### Outcome Indicators

- Number and type of stakeholders involved;
- Networks of researchers/ innovators stemming from PRIMA projects;
- Number of Entreprises/Organisations increasing PRIMA funds.

### Specific objective #3

#### STRENGTHENING R&I CAPACITIES

with particular attention to entrepreneurship skills and innovation culture

#### Outcome Indicators

- Number of capacity building activities supported in terms of number of fellowships trainees (MSc, PhDs) and mobility schemes;
- Number of new young entrepreneurs adopting technologies/organisational innovations developed in the frame of PRIMA projects.



# Annual Work Plan 2018

## AWP

# AWP programme



## SECTION 1

Actions and activities organised, managed and funded by PRIMA-IS.



## SECTION 2

Actions selected following transnational open and competitive calls for proposals organised by PRIMA-IS and funded by the national funding bodies of PS (providing financial support mainly in the form of grants).



## SECTION 3

Activities organised, managed and funded by the PS.

- ✓ Activities under the national programmes of the Participating States including transnational projects referred to as "Participating States' Initiated Activities" (PSIAs);
- ✓ Activities organised and funded by PS supporting PRIMA programme implementation.

# PRIMA programme structure



**SECTION 1**  
Transnational calls  
for proposals



**SECTION 2**  
Transnational calls  
for proposals



**SECTION 3**  
PSiAs and activities  
supporting programme  
operations

Call publication



**PRIMA-IS**

Proposal evaluation  
and selection



**PRIMA-IS**

Projects  
funded by



**EU**

Projects  
monitored by



**PRIMA-IS**

Rules for participation



**PRIMA-IS**



**PRIMA-IS**



**PS**



**PRIMA-IS**



**PS**



**PS Rules**



**PS (Participating States)**



**PS**



**PS**



**PS**



**PS Rules**



## Rules of participation

The minimum number of participants is **three**. In particular, consortia must be composed by at least three independent legal entities established in three different countries considered to be Participating States by the submission deadline under the relevant call for proposals, of which:

- ✓ At least **one is established in a Member State** or third country associated to Horizon 2020 and does not fall under the following point;
- ✓ At least **one is established in Algeria, Egypt, Jordan, Lebanon and Morocco** or in a third country bordering the Mediterranean Sea.











# Topics del Work Plan

## SECTION 1

### RIA and IA calls

For the AWP 2018 one topic from each thematic area from the PRIMA SRIA have been selected by the PS (after Stakeholder forum and web-based public consultation over PRIMA SRIA).

Each topic will be addressed in a specific call:

THEMATIC AREA	CALL TOPIC	ACTION
	 <b>Topic 1</b> Water reuse and water desalination for agricultural and food production	<b>RIA</b>
	 <b>Topic 2</b> Improving the sustainability of Mediterranean agro-ecosystems	<b>RIA</b>
	 <b>Topic 3</b> Implementing innovation in Mediterranean Agri-food chains by smallholders and SMEs	<b>IA</b>



# SECTION 1

## Topic 1

### Water reuse and water desalination for agricultural and food production

TYPE OF ACTION	RESEARCH & INNOVATION ACTION (RIA)
Total amount allocated to this Call	EUR 6 million
Funding level	According to horizon 2020 rules Funding rate: 100%
Technology Readiness Levels (TRL)	3 to 5
Expected number of grants	up to 3 (projects up to 2M€ each)
Submission and evaluation procedure	Two-stage application procedure. For the first stage, a short proposal (10 pages) must be submitted by the first deadline. Successful applicants in the first stage will be invited to submit a full proposal (70 pages) for the second stage. An indicative timeline for the submission and evaluation of applications can be found in table 5.
Evaluation rules	The award criteria, scoring, thresholds and weightings for RIAs
Grant agreement	General PRIMA grant agreement (multi-beneficiary)
Consortium agreement	Participants in projects resulting from this Call for Proposals will be required to conclude a consortium agreement prior to the conclusion of the PRIMA grant agreement.





# SECTION 1

## Topic 2

### Improving the sustainability of Mediterranean agro-ecosystems

TYPE OF ACTION	RESEARCH & INNOVATION ACTION (RIA)
Total amount allocated to this Call	EUR 6 million
Funding level	According to horizon 2020 rules Funding rate: 100%
Technology Readiness Levels (TRL)	3 to 5
Expected number of grants	Up to 3 (projects up to 2M€ each)
Submission and evaluation procedure	Two-stage application procedure. For the first stage, a short proposal (10 pages) must be submitted by the first deadline. Successful applicants in the first stage will be invited to submit a full proposal (70 pages) for the second stage. An indicative timeline for the submission and evaluation of applications can be found in table 5
Evaluation rules	The award criteria, scoring, thresholds and weightings for RIAs
Grant agreement	General PRIMA grant agreement (multi-beneficiary)
Consortium agreement	Participants in projects resulting from this Call for Proposals will be required to conclude a consortium agreement prior to the conclusion of the PRIMA grant agreement





# SECTION 1

## Topic 3

Implementing innovation in Mediterranean Agri-food chains by smallholders and SMEs.

TYPE OF ACTION	INNOVATION ACTION (IA)
Total amount allocated to this Call	EUR 6 million
Funding level	According to horizon 2020 rules Funding rate: 70%
Technology Readiness Levels (TRL)	5 to 8
Expected number of grants	Up to 3 (projects up to 2M€ each)
Submission and evaluation procedure	Two-stage application procedure. For the first stage, a short proposal (10 pages) must be submitted by the first deadline. Successful applicants in the first stage will be invited to submit a full proposal (70 pages) for the second stage. An indicative timeline for the submission and evaluation of applications can be found in table 5
Evaluation rules	The award criteria, scoring, thresholds and weightings for H2020
Grant agreement	General PRIMA grant agreement (multi-beneficiary)
Consortium agreement	Participants in projects resulting from this Call for Proposals will be required to conclude a consortium agreement prior to the conclusion of the PRIMA grant agreement





# SECTION 1

## Call calendar 2018

Submission on-line:  
**[www.prima4med.org](http://www.prima4med.org)**  
(under construction)

january



Preannouncement

february



Announcement and/  
or opening of the  
submission website  
**1° Stage**

march

april



Indicative deadline  
for applications -  
**1° Stage**

may



Evaluation results  
are planned to be  
available on or before  
these dates  
**1° Stage**

june



Announcement and/  
or opening of the  
submission website  
**2° Stage**

july



Indicative deadline  
for applications -  
**2° Stage**

august

september

october

november






Evaluation results  
are planned to be  
available on or before  
these dates  
**2° Stage**

december



## SECTION 2

### Research Projects

THEMATIC AREA	CALL TOPIC
	<ul style="list-style-type: none"><li>1.1 Water resources availability and quality within catchments and aquifers;</li><li>1.2 Sustainable, integrated water management;</li><li>1.3 Irrigation technologies and practice.</li></ul>
	<ul style="list-style-type: none"><li>2.1 Adaptation of agriculture to climate change;</li><li>2.2 Preventing emergence of animal and plant pests and diseases;</li><li>2.3 Farming Systems able to create employment and territorial development.</li></ul>
	<ul style="list-style-type: none"><li>3.1 Valorising food products from traditional Mediterranean diet;</li><li>3.2 Food safety and quality in local food chains;</li><li>3.3 Health effects of the dietary shifts and promotion of healthy and sustainable diets for the Med populations.</li></ul>



## SECTION 2

### for all 9 topics

TYPE OF ACTION	
Total amount allocated to this Call	EUR 30 million
Funding level	depending on National Regulations
Expected number of grants	20 to 30
Submission and evaluation procedure	Two-stage application procedure. For the first stage, a pre-proposal (10 pages) must be submitted by the first deadline. Successful applicants in the first stage will be invited to submit a full proposal (maximum 70 pages) for the second stage. An indicative timeline for the submission and evaluation of applications can be found in table 6 of the AWP 2018.
Evaluation rules	The scoring, thresholds and weightings for research projects.
Grant agreement	<p>Each national funding body will fund the beneficiaries established in its own country, thus, the national funding rules apply.</p> <p>Each national funding body will sign a grant agreement (or any official documents acting as contract) with their national beneficiaries taking part in the selected project (section 5.11). The coordinator of the project has to decide with his/her partners of a common starting date of the project and send this information to all the funding bodies involved in funding this project in order to ensure that the national contracts are synchronized in time to cover all the period of the project</p>



## SECTION 2

### Call calendar 2018

Submission on-line:  
**[www.prima4med.org](http://www.prima4med.org)**  
(under construction)

january



Preannouncement

february



Announcement and/  
or opening of the  
submission website  
**1° Stage**

march

april



Indicative deadline  
for applications -  
**1° Stage**

may



Evaluation results  
are planned to be  
available on or before  
these dates  
**1° Stage**

june



Announcement and/  
or opening of the  
submission website  
**2° Stage**

july



Indicative deadline  
for applications -  
**2° Stage**

august

september

october

november



Evaluation results  
are planned to be  
available on or before  
these dates  
**2° Stage**

december





## SECTION 3

# PSIAs (Participant States Initiated Activities) & Activities and Actions organised, managed and funded by the PS

- ✓ Capitalization on results achieved by research and innovation projects;
- ✓ Networking, engagement and communication to stakeholders;
- ✓ Synergies with other related initiatives;
- ✓ Potential impact of PRIMA on Mediterranean societies including migrations;
- ✓ Enhancing Youth entrepreneurship;
- ✓ Assessment of PRIMA impacts in SDGs perspective.



## Overview of planned commitments to activities of the PRIMA programme in 2018 by the European Union (EU) and the Participating States (PSs)

Planned commitments (in €)					
	Programme Calls	PRIMA-IS administrative costs	Activities supporting programme operations	PSIAs	Total in 2018
European Commission	18,000,000	1,200,000	800,000		20,000,000
<b>Sub-Total EU</b>	<b>18,000,000</b>	<b>1,200,000</b>	<b>800,000</b>		<b>20,000,000</b>
Algeria	2,000,000				
Croatia	287,715				
Cyprus	200,000				
Egypt	3,000,000				
France	3,965,000		150,000	1,800,000	
Germany	2,015,000			600,000	
Greece	2,000,000		100,000		
Israel	1,000,000			3,500,000	
Jordan	1,500,000				
Italy	6,985,000		305,000	1,520,000	
Lebanon	500,000				
Luxembourg	300,000				
Malta	500,000				
Morocco	2,000,000				
Portugal	735,000		75,000		
Slovenia	100,000				
Spain	2,985,000			5,400,000	
Tunisia	1,000,000				
Turkey	1,000,000				
<b>Sub-Total PSs</b>	<b>32,072,715</b>		<b>630,000</b>	<b>12,820,000</b>	
<b>Grand Total</b>	<b>50,072,715</b>	<b>1,200,000</b>	<b>1,430,000</b>	<b>12,820,000</b>	<b>20,000,000</b>

THANK YOU FOR YOUR ATTENTION