

The PRIMA programme is an Art. 185 initiative supported and funded under Horizon 2020, the European Union's Framework Programme for Research and Innovation



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PRIMA Foundation - Project Coordinator

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B. Strategic orientation & Calls content 2019

C. Section 1, Rules of participation



Part A

A. PRIMA initiative

- Vision
- Mission
- Objectives (general, specific, operational)
- PRIMA Partnership
- 1st Year Implementation/ achievements



PRIMA Main Features

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

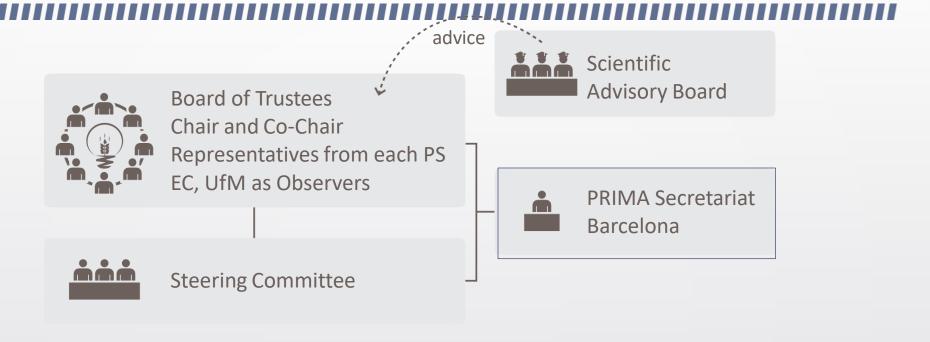
An article 185 TFEU initiative as the most suitable instrument to tackle global challenges of the Med region in an integrated way.







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





66

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.





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.

Objectives hierarchy



PRIMA General Objectives TO BUILD RESEARCH AND INNOVATION CAPACITIES AND TO DEVELOP KNOWLEDGE AND COMMON INNOVATIVE SOLUTIONS FOR AGRO-FOOD SYSTEMS, TO CONTRIBUTE TO SOLVING WATER SCARCITY, FOOD SECURITY, NUTRITION, HEALTH, WELL-BEING AND MIGRATION PROBLEMS UPSTREAM.



PRIMA
Specific
Objectives

- ALIGNMENT OF NATIONAL R&I PROGRAMMES
- CRITICAL MASS OF ACTORS AND RESOURCES
- STRENGTHENING R&I CAPACITIES

PRIMA operational objectives

- DEVELOP COMMON RESEARCH AGENDA
- SUPPORT EURO MED COOPERATION
- FUND PROJECTS THAT SUPPORT INNOVATION WATER MANAGEMENT,
 FARMING SYSTEM AND FOOD VALUE CHAIN
- CAPACITY BUILDING ACROSS MEDITERRANEAN
- EFFICIENT & EFFECTIVE PROGRAMME MANAGEMENT



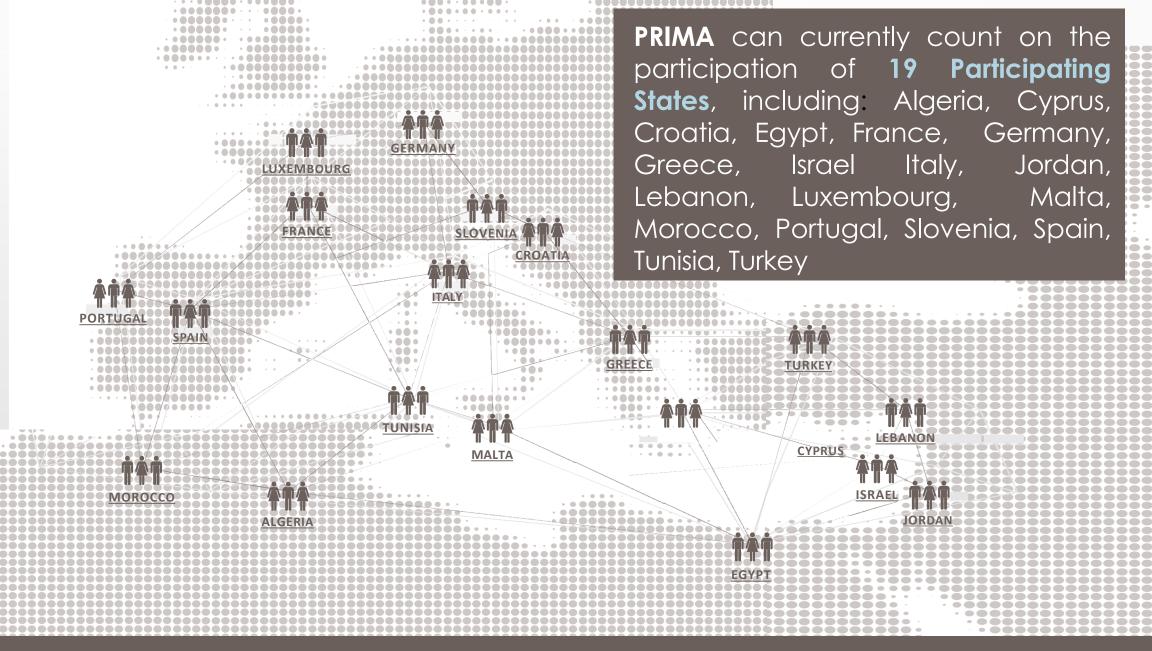
Towards Innovation uptaken in the Mediterranean



Enhancing innovation potential in the Mediterranean to find concrete sustainable solutions to problems and opening new markets:

- with concrete activities to remove the barriers to innovation;
- push forward concrete solutions from start-ups creating new businesses;
- open new markets
- open to the world: adopt innovation opening new markets also beyond Mediterranean borders.







1° year of Implementation!!







Achievements Board

19

Countries joined PRIMA

484

of submission under Section 1

362

of submission under Section 2

94%

Passed the eligibility and admissibility check

48.5 м€

Amount of grants of AWP2018 \$1&\$2

36

#of funded projects under Call 2018, \$1&\$2

1350+

evaluations for \$2, two stages 1460+

evaluations for \$1, two stages

27

Funded Projects, Section 2 16

Countries received funds under Section 2

30.5 M€

Amount of grants under Section (PS)

43%

Private sector of Section 1 funded projects

Part B

Strategic orientation & highlights of Call 2019

- 1. Content of the Calls
- 2. Type of Actions
- 3. Budget
- 4. Topics description
- 5. Calendar





PRIMA Annual Work Plans

The PRIMA programme is implemented by the PRIMA Foundation on the basis of **annual work plans**.

PRIMA Annual Work plans will be based on the priorities described in the PRIMA Strategic Research and Innovation Agenda (SRIA) following also comprehensive consultation process, involving multiple stakeholders;

http://prima-med.org/wpcontent/uploads/2018/12/AWP2019.pdf



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.









What are the highlights for 2019 Calls



Enhance innovation potential in the Mediterranean Area

- Promote Open innovation models: Living labs
- Promote a multi-actor approach (European Innovation Partnership -AGRI)
- Increase the number of Innovation Actions (1 → 2 IAs)



What are the highlights for 2019 Calls



 Interdependencies among Water-Environment-Food (WEF Nexus)

Silos approach → horizontal perspective

- Capacity building
- Focus on impacts

















Monitoring impacts KPIs

KPIs present in all type of Actions



KPI Improved capacity of R&I organisations KPI New practices for R&I organisations





KPI 2 Number of efficiency enhanced technologies for wastewater treatment

KPI 3 Number of new irrigation technologies and protocols



KPI 4 Number of new varieties/species adaptable to climate change; **KPI5** Number of integrated solutions for pest and diseases management for plant and animal production systems;



KPI 7 Number of new food products with enhanced shelf-life, quality and healthy related beneficial properties;

KPI 8 Number of innovative solutions aimed to improve quality control mechanisms and techniques throughout supply chains;

KPI 9 Number of business models for quality and sustainability

KPI Start-ups created adopting organisational and technological innovation



PRIMA implementation Programme Architecture



SECTION 1

Transnational calls for proposals



SECTION 2

Transnational calls for proposals



SECTION 3

PSIAs and activities supporting programme operations

Call publication

Proposal evaluation and selection

Projects funded by

Projects monitored by

Rules for participation











PRIMA-IS



with derogations set by Decision (EU) 2017/1324



PRIMA-IS



PRIMA-IS



















SRIA Priorities in PRIMA AWP 2018



Priority 1 Water resources availability and quality within catchments and aquifers

Priority 2 Sustainable, integrated water management

Priority 3 Irrigation technologies and practices

Priority 4 Use of alternative water resources



Priority 1 Adaptation of agriculture to climate change

Priority 2 Developing sustainable and productive agro-ecosystems

Priority 3 Preventing and control animal and plant diseases

Priority 4 Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development



Priority 1 Valorising food from the Mediterranean diet

Priority 2 Food Safety in local food chains

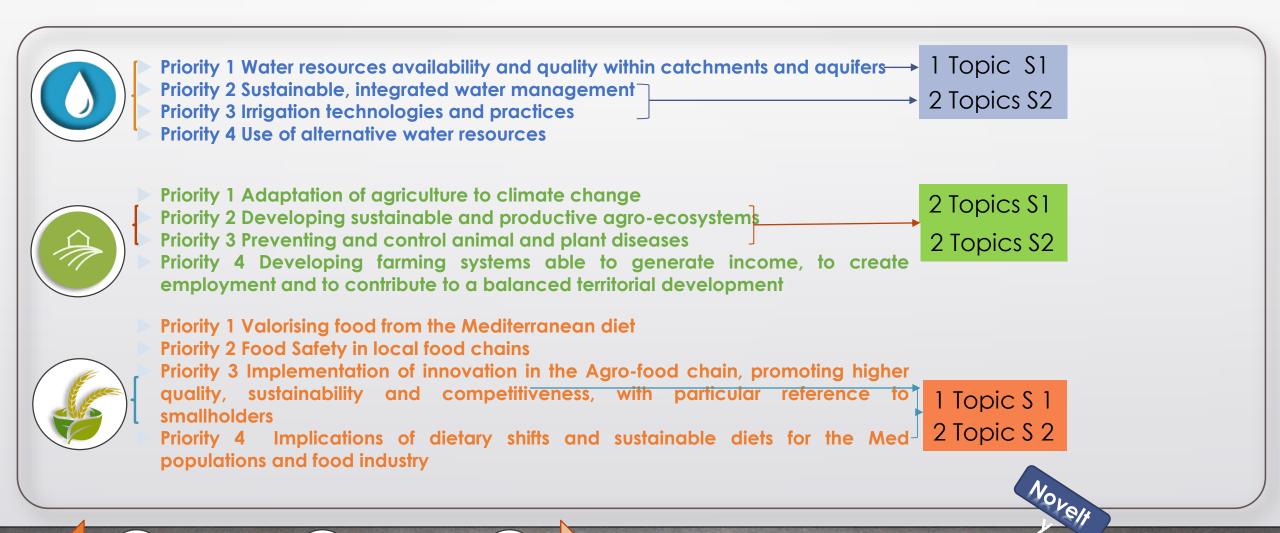
 $\frac{2}{8}$ Priority 3 Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability

and competitiveness, with particular reference to smallholders

Priority 4 Implications of dietary shifts and sustainable diets for the Med populations and food industry



SRIA Priorities in PRIMA AWP 2019



2 Topics S1

Indicative PRIMA Call 2019 Content

Section 1, four Calls

Section 2 a single multi-topic Call

THEMATIC AREAS



1. Thematic area water management



2. Thematic area farming system



3. Thematic area food value chain



4. Thematic area Nexus

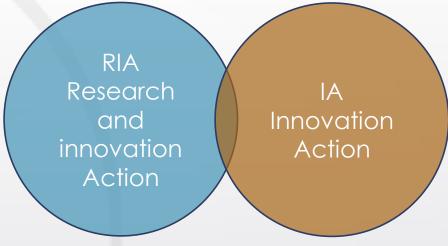
THEMATIC AREAS

- Agro-Food value chain
- Farming systems
- Management of water



Type of Actions





TRL 3 TRL 4 TRL 5 TRL 6 TRL 7 TRL 8
CSA Coordination and Support Action, NO
links with TRLs



^{*} Analogous to RIA, According to National Regulations

Strategic Priorities Allocation of Topics in 2019 Calls



- Priority 1 Water resources availability and quality within catchments and aquifers
- Priority 2 Sustainable, integrated water management
- Priority 3 Irrigation technologies and practices



- Priority 1 Adaptation of agriculture to climate change
- Priority 2 Developing sustainable and productive agro-ecosystems



- Priority 2 Food Safety in local food chains
- Priority 3 Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders

TOPICS S

RIA 1.1.1 S2

RIA2.1.2

RIA2.1.1

RIA 1.2.1

IA 1.2.2 RIA 2.2.1

RIA 2.3.1

IA 1.3.1

RIA 2.3.2







1 CSA



RIA 1.4.1 CSA 1.4.2

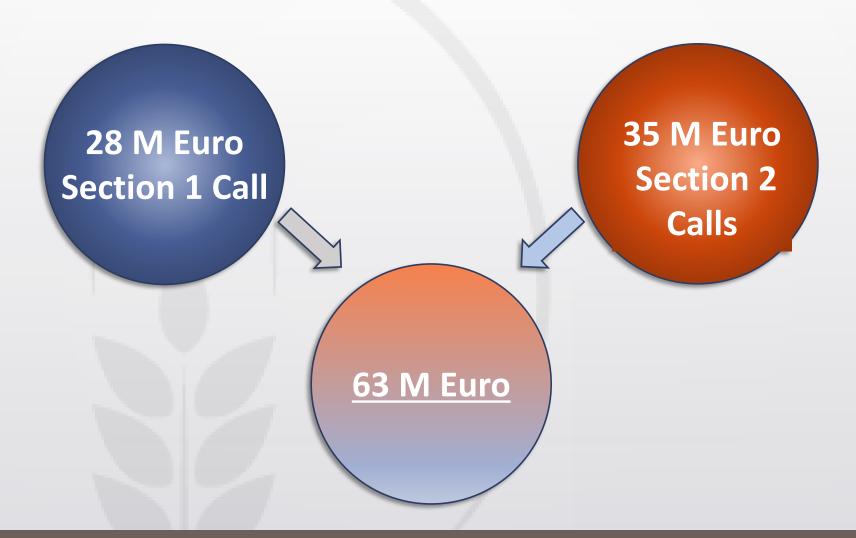
3 RIA

Section ca		Call	Total Call Budget	Budget per Topic	Type of Action	N. of expected grants	TRL	Funding Rate	Expected duration of projects	Total Budget per Section
Section 1		1-Call Water	6.400.000,00	6.400.000,00	RIA	Up to 4	3 to 5	100%	36-48 Months	28 M
		2-Call Farming	10.900.000,00	4.500.000,00	RIA	Up to 3	3 to 5	100%	36-48 Months	
				6.400.000,00	IA	Up to 4	5 to 8	70 or 100%	36-48 Months	
	OH	3-Call Agro- food	6.400.000,00	6.400.000,00	IA	Up to 4	5 to 8	70 or 100%	36-48 Months	
		4-Call Nexus	4.300.000,00	3.200.000,00	RIA	Up to 2	3 to 5	100%	36-48 Months	
				1.100.000,00	CSA	1	NA	100%	Appr. 36 Months	
Section	on 2	Single call	34.950.000,00	34.950.000,00	RIA	Appr. 35	NA	depending on National Regulations	36 Months	35 M
Tot	tal					Appr. 53				63 M Euro



Total Budget for 2019 Calls

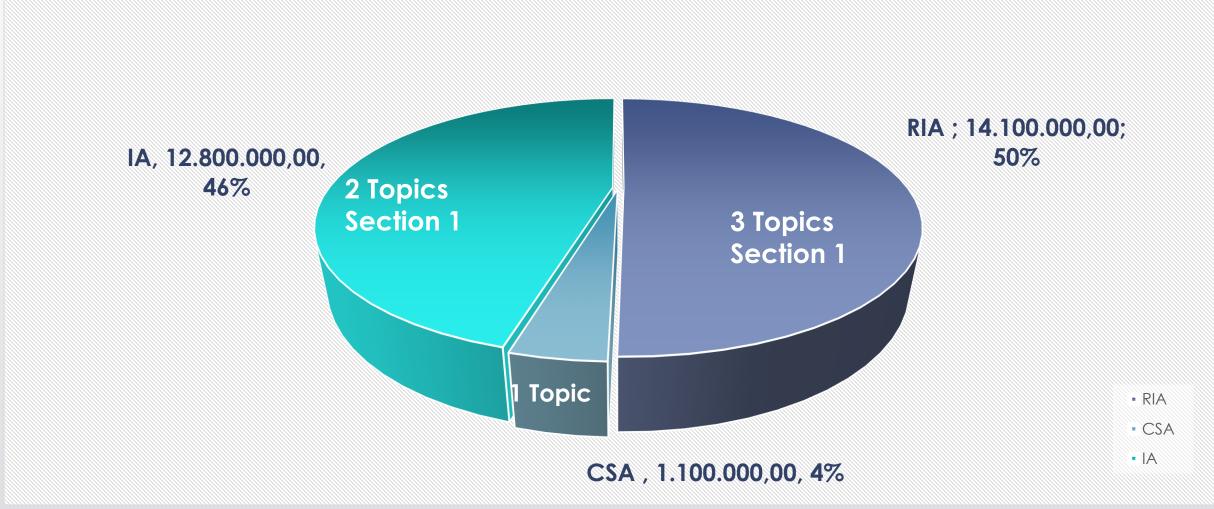






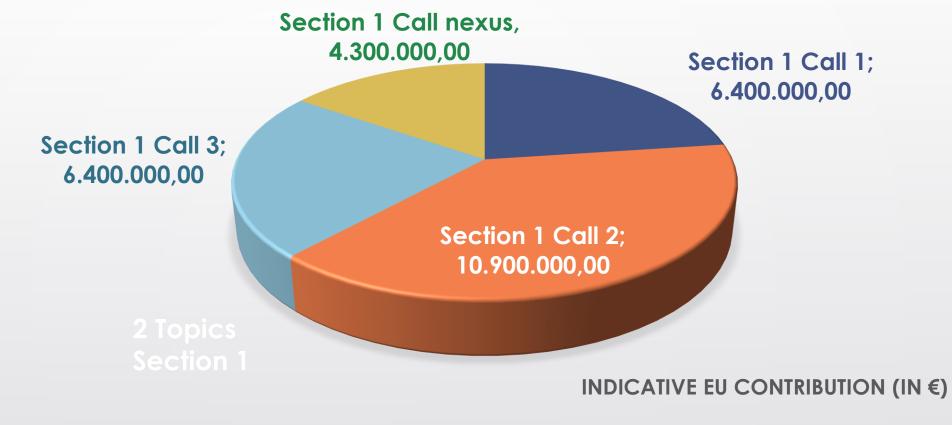
Section 1 Calls Budget/Type of Action







Section 1 Calls Budget/Thematic Area



Total Budget for PRIMA Section 1 Calls: **28 M Euro**

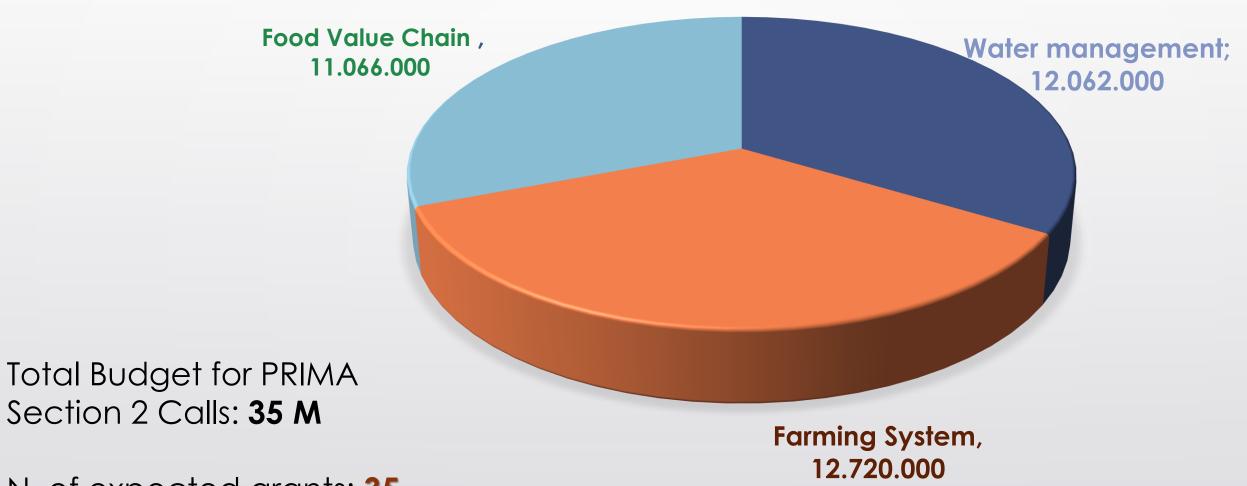
N. of expected grants: 18

l Topic



Section 2 Calls Budget/Thematic Area





N. of expected grants: 35





Type of Grants

RIA Research and Innovation Action	IA Innovation Action	CSA Coordinated and Support Actions
Funding available for collaborative research projects tackling clearly defined challenges which can lead to the development of new knowledge or new technology.	Funding available for closer-to-the-market activities including prototyping, testing, demonstrating, piloting, scaling-up etc. for new or improved products, processes or services.	Funding for activities coordinating or supporting research actions and strategies, such as networking and exchange actions

Derogation from H2020 Rules of Participation:

At least three legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country, out of which:

- -at least one must be established in a Member State participating to PRIMA or sea Cyprus, Croatia, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia, Spain;
- -at least one must be established in a third country bordering the Mediterranean Sea (MPC) considered as a Participating State: Algeria, Egypt, Jordan, Lebanon, Morocco, Tunisia, Turkey.





Section and call	Call	Total Call Budget	Budget per Topic	Type of Actio n	N. of expected grants	TRL	Funding Rate	Expected duration of projects	Total Budget per Section
Section 1	1-Call Water	6.400.000	6.400.000	RIA	Up to 4	3 to 5	100%	36-48 Months	
	2-Call Farming	10.900.000	4.500.000	RIA	Up to 3	3 to 5	100%	36-48 Months	
			6.400.000	IA	Up to 4	5 to 8	70 or 100%	36-48 Months	28 M
	3-Call Agro-food	6.400.000	6.400.000	IA	Up to 4	5 to 8	70 or 100%	36-48 Months	
	4-Call Nexus	4.300.000	3.200.000	RIA	Up to 2	3 to 5	100%	36-48 Months	
			1.100.000	CSA	1	NA	100%	Appr. 36 Months	
Section 2	Single call	34.950.000	34.950.000	RIA	Appr. 35	NA	depending on National Regulations	36 Months	35 M
Total					Appr. 53		PARTINERSHIP PINTHE ME	R RESSARCH AND INNOVATION DITERRANEAN AREA	63 M Euro

Management of water – Calls and topics 2019



Priority 1 Water resources availability and quality within catchments and aquifers

Priority 2 Sustainable, integrated water management

► Priority 3 Irrigation technologies and practices

S1 S2

RIA 1.1.1

RIA2.1.1

RIA2.1.2

Thematic Area Water management

Topic 1.1.1 RIA Sustainable groundwater management in waterstressed Mediterranean areas

Thematic Area 1-Water management:

- Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean
- Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions





Ground water bodies threatened by:

overexploitation and pollution and salinisation due to seawater intrusion



Unbearable pressure on farming activities and ecosystems!



How to ensure **sustainable use and protection of groundwater** in the Med region?



Assessment/analysis of water balance components and water quality and quantity risks related to intensive agricultural activities







Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

Irrigation = largest water-consuming activity in the Mediterranean basin



In a context characterised by climate change, increased population and water demand, the irrigation performance must be close to optimum

A wide gap between actual water balances and optimum irrigation performance

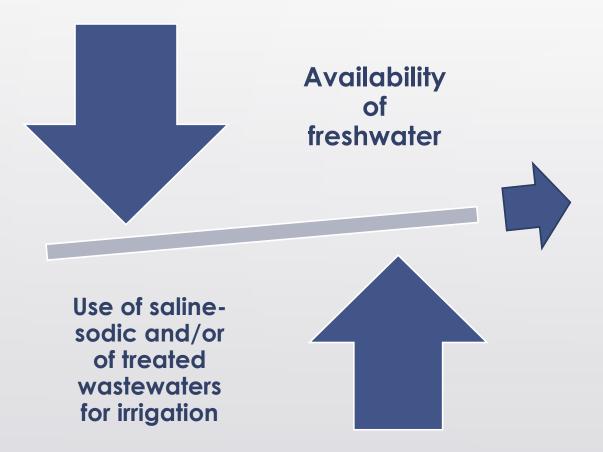
Reducing this gap is key to achieve **sustainable irrigation in the Med**, which is the scope of this call.





Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

CHALLENGE



Site-specific management options

to achieve sustainable use of low-quality
waters in areas susceptible to
salinisation/sodification





Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions





Thematic Area Farming systems topics in 2019 calls



- Priority 1 Adaptation of agriculture to climate change
- Priority 2 Developing sustainable and productive agro-ecosystems

RIA 1.2.1 IA 1.2.2 RIA 2.2.1 RIA 2.2.2

Section 1

Topic 1.2.1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture.

Topic 1.2.2 IA Sustainability and competitiveness of Mediterranean greenhouse and intensive horticulture

Section 2

Topic 2.2.1 RIA Small scale farming systems innovation.

Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems





Topic 1.2.1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture

Conservation Agriculture is a response to sustainable land management, environmental protection and climate change adaptation and mitigation.

PRIMA promotes the adoption of Conservation Agriculture principles:

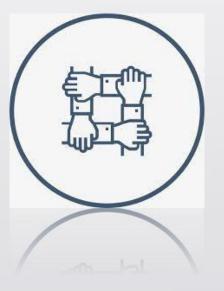


NOT ADOPTED IN THE MED AREA: WHY?

Identify the barriers for the adoption of Conservation Agriculture and to promote its use in the Med

What are the limitation?

- SOCIO ECONOMICS
 BARRIERS ?
- TECHNICAL / TECHNOLOGICAL BARRIERS ?
- POLICIES GAPS?





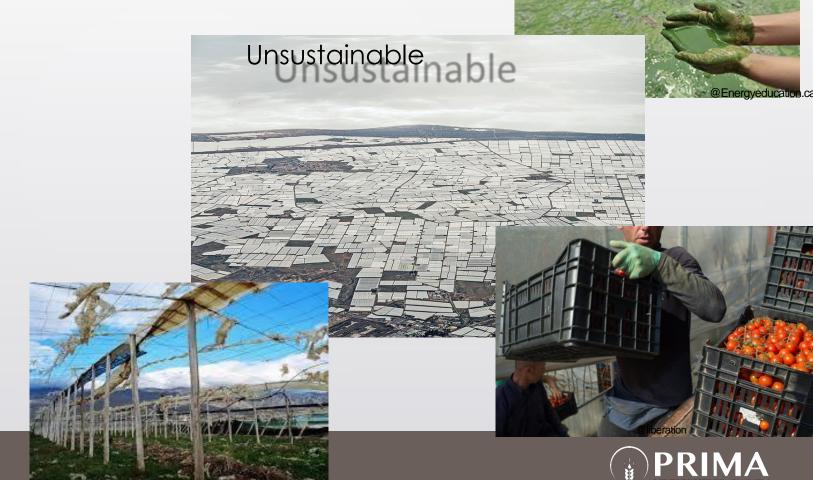
Topic 1.2.2 IA Sustainability and competitiveness of Mediterranean greenhouses and intensive horticulture

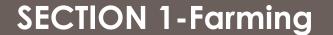
• Greenhouses and intensive horticulture can produce food all year

• Important for the international trade and food security



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Topic 1.2.2 IA Sustainability and competitiveness of Mediterranean greenhouse and intensive

- Innovative and Competitive systems preserving the resources and the environment
- Improve working conditions

- Digital tools to assist the farmers
- Production of safe, healthy, Organic food

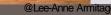




















Small farmers are the main food producers but ...

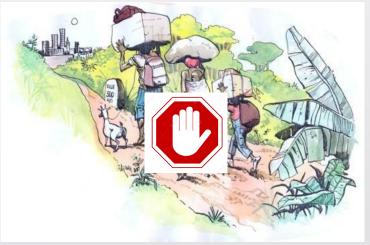




Hard living conditions

Lack of information / coordination among small farmers





Technological innovations are not tailored for small holders





Creation of living labs: a tool to make innovation available to users















Farmers, agribusinesses, governments and civil society must collaborate to promote inclusive and efficient food systems that better integrate small farmers into value chains and agribusiness and improve their access to markets.

- Provide /test solutions and innovations tailored made for small holders
- Based on agro ecological principles
- Continuous exchange between all the actors
- Ensure training and capacity building





Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems

3 crops: maize – wheat – Rice represents more than 50% of the vegetal calories consumed in the word

Monoculture damage soil and water resources

Intensive use of chemicals

Med area is a hotspot a biodiversity









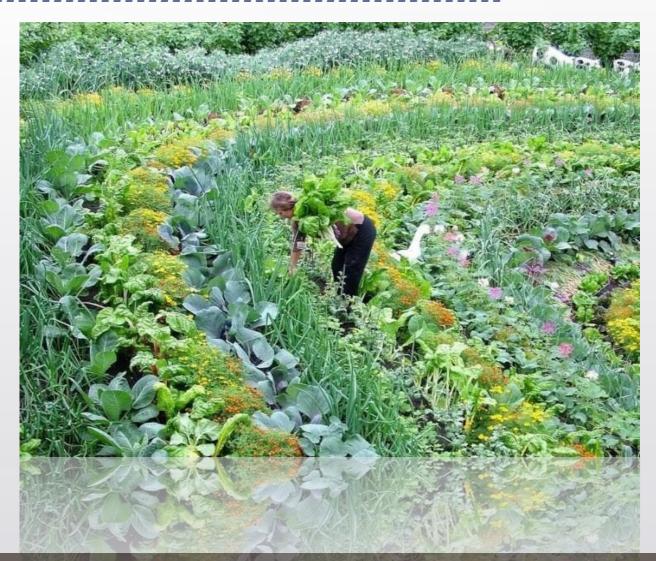






Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems

- •Increase the resilience of Agro ecosystems
- Give added value to the final / new product to increase the incomes of the farmers
- Protect and Valorise the local biodiversity







Thematic Area Food value chain topics in 2019 calls

- ☐ Priority 2 Food Safety in local food chains
- Priority 3 Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders

Section 1

Topic 1.3.1 IA Implementation of analytical tools and digital technology to achieve traceability & authenticity control of traditional Mediterranean foods.

Section 2

Topic 2.3.1 RIA Extending shelf-life of perishable Mediterranean food products Topic 2.3.2 RIA Enhancing horizontal and vertical integration in Mediterranean agrofood value-chains





Topic 1.3.1 IA Implementation of analytical tools and digital technology to achieve traceability & authenticity control of traditional Mediterranean foods.

- analytical tools and technologies to achieve traceability, and to confirm authenticity of Mediterranean foods.
- Providing a robust certification and control bodies as well as creating trans-national networks of laboratories, validating and harmonizing protocols, sharing open-data on food products of the Mediterranean tradition.
- Building capacities of key enabling technologies.
- Optimising the use of pre-existing databases and networking







- Reduce post-farming food losses, also extending shelf-life of perishable Mediterranean foods
- Public Awareness and Capacity building
- Multi-actor approach: engaging retailers, consumers or other stakeholders including SMEs and facilitating the cooperation between different stakeholders
- Sharing of good practices





Topic 2.3.2 RIA Enhancing horizontal and vertical integration in Mediterranean agro-food valuechains

- Strengthen the **vertical** (from production to consumption) and **horizontal** (collaboration between actors in the same segment of the same or other connected value chains) **integration** of the Mediterranean agro-food value-chains.
- Promote different forms of **innovation**, i.e. organizational;
- Multi-actor approach
- Innovative mechanisms and tools supporting chain's leaders to induce greater profitability and decision making





Nexus theme

Topic 1.4.1 RIA Assessingsocial, technical and economic benefits governance of a cross-sectorial governance of the Water-Ecosystems-Food Nexus.

Topic 1.4.2 CSA Platform for mapping and capitalisation of best practices from on-going and past experiences related to Farming system, Water management and Food Value chain in the Med. area



Topic 1.4.1 RIA Assessing social, technical and economic benefits governance of a cross-sectorial governance of the Water-Ecosystems-Food Nexus.

✓ Existing WEF-related
initiatives exist
in the Med. Region



- Identification of solutions to overcome the identified obstacles
- Target Nexus-based measures

✓ Development of new approches and tools

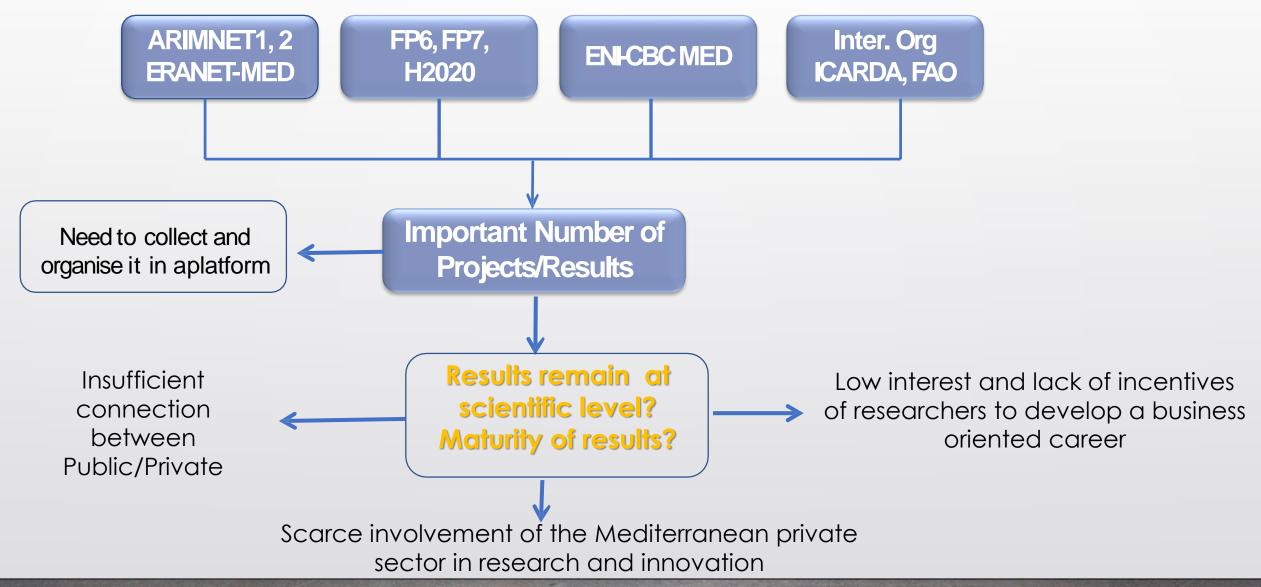


•Demonstration case studies on the advantages of cross-institutional and sectoral planning of water resources in the Mediterranean region.

The involvement of the relevant stakeholders



Topic 1.4.2. CSA Platform for mapping and capitalisation of best practices from on-going and past experiences related to Farming system, Water management and Food Value chain in the Med area





Part C

- Rules of participationSection 1
- Calendar
- Website

Admissibility conditions, page limits

To be considered admissible, a proposal must be:

- Submitted in the electronic submission system before the deadline given in the call conditions
- Readable, accessible and printable.
- Complete and inclusive of the requested administrative data, the proposal description, and any other obligatory supporting documents specified in the call conditions;
- Include a draft plan for exploitation and dissemination of the results. The draft plan is not required for proposals at the first stage of two-stage procedures.

page limits

- limit for a first-stage proposal is 10 pages
- limit for a full proposal is 50 pages except for





Eligibility conditions

 All proposals must comply with the eligibility conditions set out in the Rules for Participation of Horizon 2020 Regulation No. 1290/2013 and any derogations to these as specified in the PRIMA Decision.



A proposal will only be considered eligible if:

- the coordinator of the proposal is a legal entity established in a PRIMA PS
- its content corresponds, wholly or in part, to the scope and objectives of the topic to which it is submitted
- it complies with the **eligibility conditions for participation** depending on the type of action RIA, IA or CSA

For RIA and IAs

- The minimum number of participants is three.
- Consortia must be composed by at least three independent legal entities and established in three different countries considered to be PRIMA Participating States, of which:
 - At least one legal entity is established in a **EU Member State** (Croatia, Cyprus, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia, Spain)
 - At least one is an established in a third country bordering the Mediterranean Sea: Algeria, Tunisia, Turkey, Israel, Jordan, Lebanon, Egypt, Morocco.

For the CSA

At least one legal entity established in a PRIMA PS

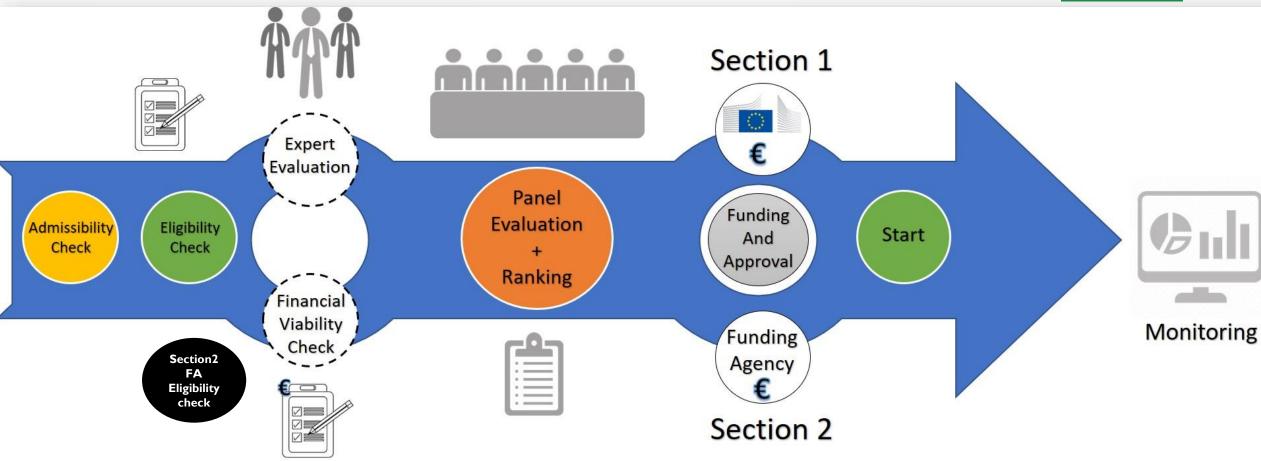


IA



PRIMA Evaluation Procedure *







Stage 1

<u>Each eligible proposal</u>, was evaluated first remotely by at least three expert evaluators (Horizon 2020 RfP),

who carried out a technical evaluation based on of the following

award criteria:





PRIMA HILINESIP FOR RISEARCH AND INVOICEMENT

The overall threshold is set at 8 or 8.5.

The overall threshold will be 10.

For Innovation actions, the score for the criterion 'impact' will be given a weight of 1.5.

Calendar 2019 Calls Section 1 and Section 2



Call launch: 18 December 2018 -Open for proposals ESS open for submission on 21° January 2019



Call closure Stage 1: Submission of pre-

proposals→

21 February S2

28 February S1

Evaluation process Results

17-20 May S1 10 June S2



Call closure Stage 2: Submission of full proposals

16 July S1

4 September S2

Results Announcement: tentative December 2019

PRIMA Website

On the website you will also find all relevant updates, documents and

information on the programme, including.

CALL SECTION

- Information and guidelines for each call
- Templates
- Link to submission website (one link per call)

PARTNERING TOOL

Applicants can post and read offers to look for pl

EXPERT REGISTRATION TOOL

PRIVAL, a new partnership for inclusive, healthy and prosperous Mediterranean societies

The Partnership for Reservit and Innovation in the Pietletinianan Area will decide now foll approaches to improve while of Willbridge and State of the Control of State of Stat

http://prima-med.org/

To register as expert to take part in the evaluation of the proposals submitted to PRIMA calls

Call-EXPERT REGISTRATION



Call for expression of interest for experts to participate in the Evaluation Panel – PRIMA Annual Work Plan - AWP2019





THANK YOU FOR YOUR ATTENTION

Antonella. Autino@prima-med.org

