The PRIMA 2019 Annual Work Plan

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PRIMA Foundation - Project Coordinator

#PRIMAinfoday
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• Strategic orientation & highlights of Call 2019

  • Content of the Calls
  • Type of Actions
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What are the highlights for 2019 Calls

Enhance innovation potential in the Mediterranean Area

- Open the way to Living labs (open innovation model)
- Promote a multi-actor approach (H2020)
- Increase the number of Innovation Actions
What are the highlights for 2019 Calls

New areas and opportunities by:

• Water-Environment-Food Nexus.

• Capacity building

• Focus on impacts
Monitoring impacts KPIs

KPIs present in all type of Actions

KPI 1 Number of new modelling routines
KPI 2 Number of efficiency enhanced technologies for wastewater treatment
KPI 3 Number of new irrigation technologies and protocols

KPI Improved capacity of R&I organisations

KPI 4 Number of new varieties/species adaptable to climate change;
KPI 5 Number of integrated solutions for pest and diseases management for plant and animal production systems;

KPI New practices for R&I organisations

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 Structure

SECTION 1
Transnational calls for proposals
- Call publication
- Proposal evaluation and selection
- Projects funded by
- Projects monitored by
- Rules for participation

SECTION 2
Transnational calls for proposals
- Call publication
- Proposal evaluation and selection
- Projects funded by
- Projects monitored by
- Rules for participation

SECTION 3
PSIAs and activities supporting programme operations
- PS (Participating States)
- PS
- PS
- PS

PRIMA-IS
EU
PRIMA-IS
PS
PRIMA-IS
PS
PRIMA-IS
PS

with derogations set by Decision (EU) 2017/1324
PS Rules
PS Rules
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
- **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

**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
- 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

1 Topic S1
2 Topics S2
2 Topics S1
2 Topics S2
1 Topic S 1
2 Topic S 2
2 Topics S1
Indicative PRIMA Call 2019 Content

Section 1, four Calls

THEMATIC AREAS

1. Thematic area water management
2. Thematic area farming system
3. Thematic area food value chain
4. Thematic area Nexus

Section 2, a single multi-topic Call

THEMATIC AREA:
Agro-Food value chain, Farming systems, Management of water

DISCLAIMER Preliminary information, AWP has not been approved by European Commission yet
Type of Actions

RIA Research and Innovation Action
IA Innovation Action

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 Allocation

<table>
<thead>
<tr>
<th>TOPICS S1</th>
<th>TOPICS S2</th>
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<tbody>
<tr>
<td>RIA 1.1.1</td>
<td>RIA 2.1.2</td>
</tr>
<tr>
<td>RIA 2.1.1</td>
<td>RIA 2.1.2</td>
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<tr>
<td>RIA 1.2.1</td>
<td>IA 1.2.2</td>
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<tr>
<td>RIA 2.2.1</td>
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<td>RIA 2.3.1</td>
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<tr>
<td>RIA 1.4.1</td>
<td>CSA 1.4.2</td>
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1 CSA
2 IAs
3 RIA
6 RIA*
<table>
<thead>
<tr>
<th>Section and call</th>
<th>Call</th>
<th>Total Call Budget</th>
<th>Budget per Topic</th>
<th>Type of Action</th>
<th>N. of expected grants</th>
<th>TRL</th>
<th>Funding Rate</th>
<th>Expected duration of projects</th>
<th>Total Budget per Section</th>
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</thead>
<tbody>
<tr>
<td>Section 1</td>
<td>1-Call Water</td>
<td>6.400.000</td>
<td>6.400.000</td>
<td>RIA</td>
<td>Up to 4</td>
<td>3 to 5</td>
<td>100%</td>
<td>36-48 Months</td>
<td>28 M</td>
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<td></td>
<td>2-Call Farming</td>
<td>10.900.000</td>
<td>4.500.000</td>
<td>RIA</td>
<td>Up to 3</td>
<td>3 to 5</td>
<td>100%</td>
<td>36-48 Months</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6.400.000</td>
<td>IA</td>
<td>Up to 4</td>
<td>5 to 8</td>
<td>70 or 100%</td>
<td>36-48 Months</td>
<td></td>
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<tr>
<td></td>
<td>3-Call Agro-food</td>
<td>6.400.000</td>
<td>6.400.000</td>
<td>IA</td>
<td>Up to 4</td>
<td>5 to 8</td>
<td>70 or 100%</td>
<td>36-48 Months</td>
<td></td>
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<td>4-Call Nexus</td>
<td>4.300.000</td>
<td>3.200.000</td>
<td>RIA</td>
<td>Up to 2</td>
<td>3 to 5</td>
<td>100%</td>
<td>36-48 Months</td>
<td></td>
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<td></td>
<td></td>
<td>1.100.000</td>
<td>CSA</td>
<td>1</td>
<td>NA</td>
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<td>Appr. 36 Months</td>
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<td>Section 2</td>
<td>Single call</td>
<td>34.950.000</td>
<td>34.950.000</td>
<td>RIA</td>
<td>Appr. 35</td>
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<td>Appr. 53</td>
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<td>63 M Euro</td>
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Total Budget for 2019 Calls

- 28 M Euro Section 1 Call
- 35 M Euro Section 2 Calls
- 63 M Euro
Section 1 Calls Budget/Type of Action

- **RIA**: 14.100.000,00, 50%
- **CSA**: 1.100.000,00, 4%
- **IA**: 12.800.000,00, 46%

- 3 Topics Section 1
- 2 Topics
- 1 Topic
Section 1 Calls Budget/Thematic Area

- Section 1 Call 1: 6.400.000,00
- Section 1 Call 2: 10.900.000,00
- Section 1 Call 3: 6.400.000,00
- Section 1 Call nexus: 4.300.000,00

Total Budget for PRIMA: **28 M Euro**

N. of expected grants: **18**
Section 2 Calls Budget/Thematic Area

- **Water management:** 12,062,000
- **Food Value Chain:** 11,066,000
- **Farming System:** 12,720,000

Total Budget for PRIMA
Section 2 Calls: **35 M**
N. of expected grants: **35**
Calendar 2019 Calls Section 1 and Section 2

Call launch: 18 December 2018 - Open for proposals

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

Signature of grant agreements: (max 8 months after the full proposals submission deadline)
Standard eligibility conditions

The minimum number of participants is three. Consortia must be composed by at least three independent legal entities established in three different countries considered to be PRIMA Participating States, of which:

- At least one 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.
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
Management of water – Calls and topics 2019

Thematic Area Water management

- Topic 1.1.1 RIA Sustainable groundwater management in water-stressed 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

Priority 1 Water resources availability and quality within catchments and aquifers
Priority 2 Sustainable, integrated water management
Priority 3 Irrigation technologies and practices
Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

Challenge

Underground water bodies threatened by:

• overexploitation and pollution
• salinisation due to seawater intrusion (coastal areas)

Unbearable pressure on farming activities and ecosystems!
Topic 1.1.1 RIA Sustainable groundwater management in water-stressed Mediterranean areas

Impact

- New modelling routines
- Analysis of basic components of groundwater cycle
- Sustainable management strategies for exploiting aquifer water

**Improvement of groundwater resources’ resilience and security**

Budget for the call: 6.4 M€  
Budget per project: 1.6 M€  
Duration 36-48 months
Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

Challenge

Irrigation = largest water-consuming activity in the Mediterranean basin

Wide gap between actual water balances and optimum irrigation performance!
Topic 2.1.1 RIA Bridging the gap between potential and actual irrigation performance in the Mediterranean

Scope

Reduction of the gap between actual and optimal irrigation performance

Sustainable irrigation in the Med

Budget per project: 1 M€
Duration 36-48 months
Topic 2.1.2 RIA Management of low quality waters under water scarcity and climate change conditions

Challenge

Availability of freshwater

Use of saline-sodic and/or of treated wastewaters for irrigation

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

Impact

- Optimised management of low-quality waters for irrigation
- Preservation of soil and water productivity
- Prevention of social conflicts in the use of water resources
- Adaptation strategies on climate change effect on crop productivity
- Capacity building of local professionals
- Desalination and treated wastewater into Med water mgmt systems

Budget per project: 1 M€
Duration 36-48 months
Thematic Area Farming systems topics in 2019 calls

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

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
SECTION 1: Topic 1.2.1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture

Challenge

Conservation Agriculture

Save water  Conservation soil  low cost solution

NOT ADOPTED IN THE MED AREA: WHY?
SECTION 1: Topic 1.2.1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture

Scope

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?
- Multidisciplinary and inter-sectorial approach

Innovations / solutions
**Topic 1.2.1 RIA Conserving water and soil in Mediterranean dry-farming, smallholder agriculture**

**Expected Impacts**

- Policies-technologies-products Co designed with the farmers that will facilitate the adoption of CA
- Cropping systems limiting soil erosion and increasing the water plant availability based on Conservation Agriculture concept
- Eco friendly farming systems providing benefits for the end-users
- Improve fertility of soils and yields

**Budget for the call:** 4,5 M€  
**Budget per project:** 1,5M€  
**Duration:** 36-48 months
SECTION 1: 1.2.2 IA Sustainability and competitiveness of Mediterranean greenhouses and intensive horticulture

Challenge

• Greenhouses and intensive horticulture can produce food all year round
• Important for the international trade and food security
SECTION 1: 1.2.2 IA Sustainability and competitiveness of Mediterranean greenhouse and intensive

Expected impacts

• 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

Budget for the call: 6,4 M€
TRL 5-8

Duration 36-48 months

Budget per project: 1,6 M€
SECTION 2: Topic 2.2.1 RIA Small scale farming systems innovation

• Challenge

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
SECTION 2: Topic 2.2.1 RIA Small scale farming systems innovation

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

- Can be physical or virtual
- 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

Budget per project: 1 M€
Duration 36-48 months
SECTION 2: Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems

**Challenge**

- 3 crops: maize – wheat – Rice represents more than 50% of the vegetal calories consumed in the world
- Monoculture damage soil and water resources
- Intensive use of chemicals
- Med area is a hotspot a biodiversity
SECTION 2: Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems

Scope: Develop farming systems based on agro ecological principles using and valorising local biodiversity

- Increase the biodiversity and increase the resilience of the system
- New food products
- Interdisciplinary and inter-sectorial approach
- Ecological and Socioeconomic analysis of the sustainability of the system
SECTION 2: Topic 2.2.2 RIA Use and management of biodiversity as a major lever of sustainability in farming systems

Expected Impacts

• 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

Budget per project: 1 M€
Duration 36-48 months
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 agro-food value-chains
Topic 1.3.1 IA Implementation of analytical tools and digital technology to achieve traceability & authenticity control of traditional Mediterranean foods.

SCOPE

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

**IMPACT**

- Improve **confidence of consumers**;
- Assessing food traceability and safety.
- Increased **added-value for Mediterranean food products**;
- Foster **joint integrative activities** with existing data base networks & infrastructures in the health & food domain;
- Improve **harmonization and data interoperability**

Call Budget: 6,4 M€  Project Budget: 1,6M€  Duration 36-48 months
Topic 2.3.1 RIA Extending shelf-life of perishable Mediterranean food products
Topic 2.3.1 RIA Extending shelf-life of perishable Mediterranean food products

**SCOPE**

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

SCOPE

• 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

Budget per project: 1 M€
Duration 36-48 months
Nexus theme

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

- Guide policy-making towards integrated solutions and approaches to resource use
- Generate shared economic, environmental and societal benefits
- Resilient productive agro ecosystems

Impact Of Climate Change
Fragility of Natural resources

Increasing demand of food and water
Diminishing availability of supplies
Scope

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

✓ Development of new approaches and tools

Assessment

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

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

Budget for the call: 3,2 M€
TRL 3-5

Budget per project: 1,6 M€
Duration 36-48 months
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

Important Number of Projects/Results

- ARIMNET1, 2 ERANET-MED
- FP6, FP7, H2020
- ENI-CBC MED
- Inter. Org ICARDA, FAO

Need to collect and organise it in a platform

Insufficient connection between Public/Private

Results remain at scientific level? Maturity of results?

Scarce involvement of the Mediterranean private sector in research and innovation

Low interest and lack of incentives of researchers to develop a business oriented career
Scope

Analyse the results of past projects

Impact pathway, bibliometric analysis, indicators, expert groups, ...

Identification of good practices

Tools, practices, techniques, models, policy briefs, standards,

Identification of results better suited for commercialization (Patents, varieties, prototypes)

Facilitate the connection between researchers and private investors

Strategy plan for a long term sustainability of the platform

Interactive Platform

Budget for the call: 1.1 M€

Duration 18-24 months
THANK YOU FOR YOUR ATTENTION