



# PRIMA

PARTNERSHIP FOR RESEARCH AND INNOVATION  
IN THE MEDITERRANEAN AREA

Angelo Riccaboni

Chair Fundació PRIMA, Barcelona  
Professor of Business Administration  
University of Siena, Italy

M.-H. Tusseau-Vuillemin

Steering committee, PRIMA  
Scientific director Environment-Universe  
Ministry of Higher Education and Research, France

# Strategic Research and Innovation Agenda SRIA



# PRIMA is about putting Braudel's thought into practice



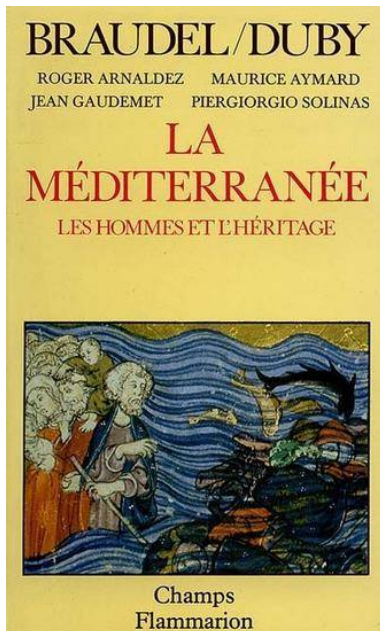
Fernand Braudel (24 August 1902 – 27 November 1985) was a French historian and a leader of the Annales School.

His scholarship focused on three main projects: ***The Mediterranean (1923–49, then 1949–66)***, *Civilization and Capitalism* (1955–79), and the unfinished *Identity of France* (1970–85).

As the dominant leader of the Annales School of historiography in the 1950s and 1960s, he exerted **enormous influence on historical writing** in France and other countries.

Braudel has been considered one of the greatest of the modern historians who have emphasized the role of **large-scale socioeconomic factors** in the making and writing of history.

“The fundamental reality of any civilization must be its **geographical** cradle. Geography dictates its **vegetational growth** and lays down often impassable frontiers. **Civilizations are regions** they are areas which both confine man and undergo constant change through its **efforts**.”



The sea allows travels, exchanges, wars...  
It regulates the climate, provides food, and it also threatens.  
Riverine countries share a common future.  
Although the upcoming challenges are global, the scale at which they need to be addressed is also regional.





# 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

# 3 Main Thematic Areas, 12 priorities:



- Water resources availability and quality within catchments and aquifers
- Sustainable, integrated water management
- Irrigation technologies and practices
- Use of alternative water resources

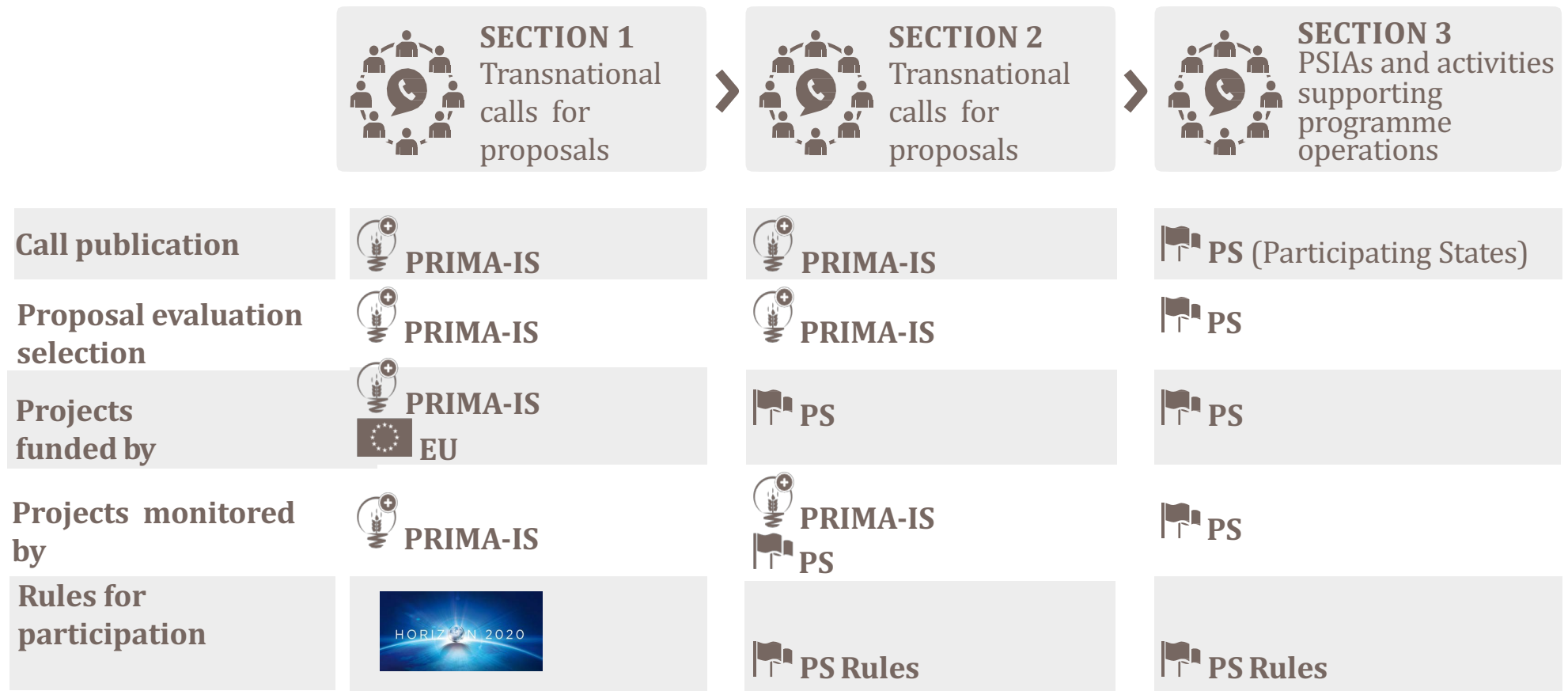


- Adaptation of agriculture to climate change
- Developing sustainable and productive agro-ecosystems
- Preventing emergence of animal and plant diseases
- Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development






- Valorising food products from traditional Mediterranean diet
- Food Safety in local food chains
- Implementation of innovation in the Agro-food chain, promoting higher quality, sustainability and competitiveness, with particular reference to smallholders
- Implications of dietary shifts and sustainable diets for the Med populations and food industry

# PRIMA programme structure





# PRIMA Roadmap 2018 **Section 1**

Action	Call Topics	Pre-announcement	Call publication and opening	Submission deadline Stage 1	Evaluation results Stage 1	Submission deadline Stage 2	Evaluation results Stage 2
RIA 	Water reuse and water desalination for agricultural and food production	15-Jan-18	08-Feb-18	<b>17-Apr-18</b>	15-Jun-18	<b>15-Sep-18</b>	05-Dec-18
RIA 	Sustainable productive ecosystems	15-Jan-18	08-Feb-18	<b>17-Apr-18</b>	15-Jun-18	<b>15-Sep-18</b>	05-Dec-18
IA 	Implementation of innovation in the Agro-food chain (...)	15-Jan-18	08-Feb-18	<b>17-Apr-18</b>	15-Jun-18	<b>15-Sep-18</b>	05-Dec-18

# Section 1: RIA and IA calls

- Section 1 Topics



## **1.1.1. RIA Call – Topic 1: Water reuse and water desalination for agricultural and food production.**

*The scope of the call is to provide end-users with new more economically feasible water treatment technologies (such as seawater desalinization) taking into account the main environmental, socio-economic and legal and/or institutional constraints regulating the adoption of these technologies.*



## **1.1.2 RIA Call – Topic 2: Improving the sustainability of Mediterranean agro-ecosystems**

*The scope of the call is to develop Mediterranean innovative cropping and livestock systems including inland aquaculture, able to cope with limited resources and environmental constraints while enhancing food production stability over time and ensuring a production of high quality agricultural outputs that will allow increase in farmers' income and preserve agro-ecosystems integrity and services.*



## **1.1.3 IA Call – Topic 3: Implementing innovation in Mediterranean Agro-food chains by smallholders and SMEs.**

*The scope of the call is to foster adoption of technological and organizational innovations by smallholders and SME able to meet the needs of the food market, food security needs, taking advantage of the opportunities given by Mediterranean values, heritage and biodiversity. This is key to address Horizontal and vertical fragmentation of the Mediterranean value chains and the lack of integration among the main food system actors.*





# Type of Grants **Section 1**

RIA- Research and Innovation Action	IA - Innovation Action
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 rate: 100%*

*Funding rate: 70%*

Except for non profit legal entities  
where a rate of 100% applies



## Pre Proposal

For the first stage, a short Scientific pre-proposal (10 pages) must be submitted to the Electronic Submission System by **the first deadline (April 17, 2018; 17:00h CET)**.



## SECTION 2 Call calendar 2018

Action	Call Topics	Pre-announcement	Call publication and opening	Submission deadline Stage 1	Evaluation results Stage 1	Submission deadline Stage 2	Evaluation results Stage 2
RIA	Sustainable water management, farming systems and innovation in the agro-food chain ( <b>9 topics</b> )	15-Jan-18	08-Feb-18	<b>27-Mar-18</b>	6-Jun-18	<b>4-Sep-18</b>	05-Dec-18





## Section 2: RIA calls

Only one call with 9 topics

One unique guidelines for applicants



### Topic 1.1: Water resources availability and quality within catchments and aquifers

The scope of the call is to develop more efficient water management, linked to studies devoted **to understand the hydrological processes** mediating ephemeral river flows, flooding events and aquifer recharge and salinization. This should have direct impacts on surface water bodies systems by increasing water flows and improve the water quality and reduce the underground water salinity levels.

### Topic 1.2: Sustainable, integrated water management

This call intends to **improve water governance** taking into consideration both the socio-economic context and the meteo-climatic trends of the Mediterranean basin, since both of them are considered as important drivers of current and future water resources management.

### Topic 1.3: Irrigation technologies and practices

The scope of this call is to **improve irrigation water productivity** while **minimizing the potential environmental risks** associated with irrigation at the farm and irrigation district level. This can be potentially appraised by introducing more efficient irrigation technologies aimed at reducing soil evaporation and water run-off while improving crop water use efficiency.



## Section 2: RIA calls

### Only one call with 9 topics

### One unique guidelines for applicants



#### Topic 2.1: Adaptation of agriculture to climate change

The scope of this call is to better **understand how plants, soil biota and animals adapt** to environmental constraints and why certain varieties/breeds are **tolerant or resilient to biotic and abiotic single or multiple stresses**, such as drought, multiple summer stresses, warm winters, salinity, etc. It will allow to valorise local genotypes taking advantage of spontaneous and domesticated biodiversity in the Mediterranean agricultural and animal husbandry systems.

#### Topic 2.2: Preventing emergence of animal and plant diseases

The scope of this call is to better **understanding the ecology and physiology of pests and pathogens**, and the interactions between hosts, pests and pathogens, and other organisms at multiple trophic levels. Tackling these challenges requires trans-disciplinary research, involving plant/animal health specialists plant breeders, agronomists and zoo-technicians, food technologists. It should also involve social sciences to understand the determinants of current situation and study the acceptability of the proposed solutions.

#### Topic 2.3: Developing farming systems able to generate income, to create employment and to contribute to a balanced territorial development

The scope of this call is to enhance the potential benefits of agriculture in terms of **employment and poverty alleviation**. The objective is to encourage the development of labour-intensive agricultural activities and the design of profitable farming systems for small-scale agriculture, of technologies adapted to diverse farming systems.





## Section 2: RIA calls

### Only one call with 9 topics

### One unique guidelines for applicants



#### Topic 3.1 Valorising food products from traditional Mediterranean diet

The scope of this call is to develop new products and processes to **increase the quality of Mediterranean foods** by combining improvement of raw material composition with better use of innovative and soft production and processing technologies. The result will be better nutritional quality of food products, stable nutrient-dense ingredients, and new products.

#### Topic 3.2: Food Safety in local food chains

The scope of this Call is to **guarantee food safety** in the Mediterranean environment while preserving the cultural heritage, along the entire food chain. The selected projects should address research activities focused on the elaboration and adoption of innovative solutions aimed to improve quality and quality-control mechanisms and techniques throughout supply chains at both local and territorial levels in order to guarantee food safety along the entire food chain.

#### Topic 3.3 Implications of dietary shifts and sustainable diets for the Med populations and food industry

The scope of this Call is to strengthen the link between the Mediterranean **diet and health benefits** through the identification of evident positive effects exerted by different active substances contained in local products. Research actions can also encompass the assessment of the eating habits, their heterogeneity and their determinants in order to stimulate particularly younger generations to adopt Mediterranean traditional eating habits and abandon imbalanced diets.

## Where we come back to Fernand Braudel... and the three levels of time he identified

- Geographical time, is that of the **environment**, with its slow, almost imperceptible change, its repetition and cycles. Such change may be slow, but it is irresistible.
- The second level of time comprises long-term **social, economic, and cultural** history, : the Mediterranean economy, social groupings, empires and civilizations. Change at this level is much more rapid than that of the environment;
- The third level of time is that of events (*histoire événementielle*). This is the history of **individuals** with names.

### What about a fourth one ? The accelerated anthropocene

- Access to Energy, technologies, their impacts on human and Nature
- Global change : Climate, chemical impregnation of the environment, 6th Biodiversity massive extinction...



# Where we are

1. Launch of first calls
2. Preparation of partnerships for calls
3. Creation of a strong PRIMA Platform Network among research centers, universities, enterprises, consumers



THANK YOU FOR YOUR ATTENTION

[www.prima-med.org](http://www.prima-med.org)