

# **Stakeholders in COST Connect event “Water for Agriculture and Food in the Mediterranean Area”**

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## About the European Research Area

The European Research Area (ERA) is a unified research area open to the world and based on the Internal Market. The ERA enables free circulation of researchers, scientific knowledge and technology, opening opportunities in strengthening EU's scientific and technological bases, competitiveness and capacity to address grand challenges collectively. As the ERA grows stronger, different initiatives are launched increasing the complexity of funding and support mechanisms that are not always easily grasped by researchers.

The ERA results of the coordination of knowledge and research activities and programmes at both national and EU level. This coordination effort is made by the Member States and the EU, strongly supported by the European Universities, Research Centres, and Industry. Together, they identify key topics to address and jointly develop Strategic Research Agendas, work programmes and the most relevant instruments for their implementation.

The ERA is supported via the well-known financial instrument: H2020. In general terms, funding in the ERA can be:

- Managed directly by the European Commission or its Agencies (e.g. European Research Council (ERC); Marie Skłodowska Curie, Industrial Leadership, European Institute of Innovation and Technology (EIT) or the Societal Challenges).
- Partnerships with the Private Sector, the Joint Technological Initiatives (JTIs) involving industry, research community and public authorities. JTIs organise their own research agenda and award funding for projects on the basis of open calls (e.g. BBI).
- Member State driven: 95% of EU spending in research and innovation is done at member state level. There are several programmes aiming at pooling national research efforts around topics that Member States cannot tackle on their own (e.g. JPIs, Art. 185, COST).

The Joint Programming Initiatives (JPIs) are supported via the ERA-NETS in their preparation, establishment of networking structures, design, implementation and coordination of joint activities as well as topping up of single joint calls and of actions of a transnational nature. Although representing a small part of the H2020 total budget, they coordinate a significant budget at national level by funding the research on specific topics from the member states own budget.

Article 185 initiatives are research programmes undertaken jointly by several Member States in which the EU participates. The most recent example is the PRIMA initiative: Partnership on Research and Innovation in the Mediterranean Area.

COST is the longest-running European framework supporting trans-national cooperation among researchers, engineers and scholars across Europe. By promoting open spaces where people and ideas can grow without limits COST is the leading networking tool of the ERA connecting researchers and different initiatives and stakeholders.

## Water for food and agriculture with a focus on the Mediterranean

A recent study on the “water footprint of humanity” shows that water used by the agricultural sector accounts for nearly 92 percent of annual global freshwater consumption (Hoekstra and Mekonnen, 2012)<sup>1</sup>. Agriculture is both a victim and a cause of water scarcity. At the same time, “the magnitude of

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<sup>1</sup> Hoekstra, A. Y., and Mekonnen, M. M. 2012. The water footprint of humanity. 3232-3237, PNAS, Vol. 109, No. 9.

the water-food nexus is underappreciated,” (Pasquale Steduto, FAO). This nexus is particularly important in order to strengthen food security taking into account that by 2050 it is estimated that another 50-60 per cent more food would be needed to feed the people. Unsustainable agricultural water use practices threatens the sustainability of livelihoods dependent on water and agriculture. Additionally, climate change is exacerbating the challenges faced by agriculture, having direct and indirect impacts, including changing rainfall patterns, drought, flooding and redistribution of pests and diseases. According to the recent report by the European Environment Agency (EEA), Southern Europe is projected to experience the highest number of climate impacts which range from increasing heat extremes and reduced precipitation to severe droughts.

Focusing more on the Mediterranean area, one can identify a number of additional current challenges which are putting more strain to agriculture and food systems. For example: 1) limited water supplies - the Mediterranean holds only 3 per cent of global water resources but hosts over 50 per cent of the world's water poor populations, around 180 million people (CIHEAM-FAO *MediTerra*, 2016); 2) loss and degradation of land – unsustainable agricultural practices combined with low levels of annual precipitation, the occurrence of intense rainstorms and long-lasting droughts combined with the presence of steep slopes make the soil of the circum-Mediterranean region vulnerable to erosion (García-Ruiz *et al.*, 2013)<sup>2</sup>. According to CIHEAM-FAO *MediTerra* some estimates warn that if existing rates of land degradation continue, by 2020 another 8.3 million ha of agriculture land will be lost versus 1960; 3) agro-biodiversity loss – the Mediterranean basin, has been recognised as a biodiversity hot spot, with a flora diversity of 15 000 to 25 000 species, 6 per cent of which are unique to the region, and with one third of Mediterranean fauna being endemic and 19 per cent of fauna species being threatened with extinction (IUCN Red list of threatened Species, 2008). Nutrition and biodiversity are linked at many levels, e.g. the ecosystem, with food production as an ecosystem service; the species in the ecosystem and the genetic diversity within species; the nutritional composition between foods and among varieties/cultivars/ of the same food can differ dramatically, affecting micronutrient availability in the diet, 4) Urbanisation - the south and east Mediterranean is urbanising more rapidly than the rest of the world. Projections indicate a drastic shift in the south and east Mediterranean. What were essentially rural countries, with an average urbanisation of 41 % in 1970, will become urban countries with 66 % urbanisation by 2025. (Plan Bleu computations based on UNDESA 2010). Following the rapid processes of urbanisation, Southern Mediterranean populations have changed their lifestyle and food habits and tend to shift from traditional food towards consumption patterns higher in animal products, which require more water and land resources<sup>3</sup>. The sustainability of the Mediterranean food systems is under a pressing threat, as was forecasted in the 2005 Mediterranean Strategy on Sustainable Development:

“Mediterranean agricultural and rural models, which are at the origins of Mediterranean identity, are under increasing threat from the predominance of imported consumption patterns. This trend is illustrated in particular by the decline of the Mediterranean dietary model despite the recognized positive effects on health. The prospective scenario for the expected impacts of trade liberalization, climate change and the lack of efficient rural policies offers a gloomy picture in some southern and eastern Mediterranean countries, with the prospect of aggravated regional imbalances, deeper ecological degradation and persistent or accrued social instability.” (UNEP/MAP, 2005).

In order to address the above challenges, a number of initiatives are in the pipeline and many have been already launched at a global and regional level including amongst others:

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<sup>2</sup> García-Ruiz *et al.*, 2013: Erosion in Mediterranean landscapes: Changes and future challenges. *Geomorphology* 198, 20-36.

<sup>3</sup> FAO (2015): White Paper on Mediterranean food consumption patterns: *Diet, environment ,society, economy and health*.

- Global Framework for Action to Cope with Water Scarcity in Agriculture in the Context of Climate Change. It is an action-oriented contribution by FAO to support the development and implementation of policies and programmes for the sustainable use of water in agriculture worldwide. It includes a special focus also on the regions of *Near East and North Africa* and *Europe*;
- Blue Economy Initiative for Western Mediterranean. This initiative will allow EU and neighbouring countries to work together to increase maritime safety and security, promote sustainable blue growth and jobs, and preserve ecosystems and biodiversity.
- Food2030: Research and Innovation for tomorrow's nutrition and food systems. This initiative will have as priorities i) nutrition for sustainable and healthy diets, ii) climate smart and environmentally sustainable food systems, iii) circularity and resource efficiency of food systems and iv) innovation and empowerment of communities.

## About international cooperation with the Mediterranean Partners

The European Commission's policy on research and innovation is “**open to the world**” – one of the 3O's of Commissioner Moedas vision<sup>4</sup> which emphasises cooperation in research and innovation with key partners as well as science diplomacy.

There is a long history of cooperation between the European Union and the Mediterranean countries, formalised in a “Euro-Mediterranean Partnership” in 1995. The bi-regional cooperation was given new impetus when the Union for the Mediterranean (UfM) was launched in 2008. The relations are focused on six main areas: Depollution for the Mediterranean, The security and safety of maritime and land highways, Civil protection, Alternative energies, Higher education and research as well as the Mediterranean Business development initiative (with a focus on SMEs).

Another framework of cooperation is the Western Mediterranean Forum, commonly referred to as 5+5 Dialogue set up in 1990. Ministers and high level ministerial representatives responsible for research and higher education from Algeria, France, Italy, Libya, Malta, Mauritania, Morocco, Portugal, Spain and Tunisia meet informally and were, at their last meeting in March 2017 also joined by Carlos Moedas, Commissioner for Research, Science and Innovation.

Current EU policy dialogue with the Mediterranean countries is framed within the European Neighbourhood Policy (ENP) whose instruments also help to build up research capacity. Senior officials as well as ministers from EU Member States and the Mediterranean partner countries regularly meet and discuss the joint-implementation of research policy priorities. In October 2016, a Roadmap for the EU-Southern Neighbourhood S&T cooperation has been published.<sup>5</sup> Current priorities include the opening of a major research infrastructure, SESAME, the Synchrotron-light for Experimental Science and Applications in the Middle East, in May 2017 and the establishment of PRIMA, the Partnership for Research and Innovation in the Mediterranean Area which aims to develop and deploy innovative solutions for sustainable food production and water use.

The EU also maintains bilateral research and innovation relations with its Mediterranean partners through Science and Technology (S&T) cooperation agreements. The EU has signed S&T cooperation

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<sup>4</sup> Open Innovation. Open Science. Open to the World. A Vision for Europe. <https://ec.europa.eu/research/openvision/index.cfm>, a Communication entitled "Enhancing and focusing EU international cooperation in research and innovation: a strategic approach" setting out a new strategy for international cooperation in research and innovation is available at <http://ec.europa.eu/research/iscp/index.cfm?pg=strategy>

<sup>5</sup> See brief information about the cooperation and links to the roadmap as well as other political declarations at [http://ec.europa.eu/research/iscp/index.cfm?pg=med\\_part](http://ec.europa.eu/research/iscp/index.cfm?pg=med_part)

agreements with Algeria (2013), Egypt (2008), Jordan (2010), Morocco (2005) and Tunisia (2004) that has also been associated to Horizon 2020 (2015).

## COST: Connecting the dots in the field of “Water for Agriculture and Food in the Mediterranean Area”

COST allows researchers, engineers and scholars to jointly develop their own ideas and take new initiatives across all fields of science and technology, while promoting multi- and interdisciplinary approaches. Participants from institutions in Near Neighbour Countries and International Partner Countries can participate in COST Actions on the basis of asserted mutual benefit and COST Actions are also open to international organisations. Thus COST Actions are open and easy to join. They are also completely bottom-up and focus on the networking aspect.

In this spirit, COST organises the events “COST Connect” which bring together representatives of COST Actions (Chairs, Vice-Chairs, members of the Management Committee and beneficiaries e.g. from the Near Neighbour Countries) and stakeholders working on programme and project development in the same thematic field. COST aims to encourage communication between researchers and policy makers, to increase awareness of the Actions on the different funding opportunities and how to access them, to discuss the emerging STI topics in the field and the priorities of the Strategic Research and Innovation Agendas to identify possibilities for future research cooperation and align efforts. We believe that there is a lot to learn from the COST Action activities and COST experiences in building cooperation and trust across research fields and geographical distances. Building on the success of COST in geographical widening and multidisciplinary, the development of larger projects for future calls is one of the objectives. Our vision is to connect the dots in the European Research Area.

COST supports more than 30 Actions in the nexus of water-food-agriculture, particularly suitable to discuss the topics relevant for the Mediterranean Area, such as:

- Smart and sustainable farming
- Improved land- and water- sustainability and management; new governance models
- Reduced pests and pathogens in farming
- Innovative solutions in agri-business

An overview of the Actions is provided in the booklet available from this page: <http://www.cost.eu/events/cost-connect-water>

As there is a wide variety of stakeholders and initiatives in the European Research Area that are active in the field and also supported the preparation of this event, please find in the following brief factsheets about the main contributors.

### Finding COST:


- COST Website: [www.cost.eu](http://www.cost.eu)
- COST Actions: [http://www.cost.eu/COST\\_Actions/all\\_actions](http://www.cost.eu/COST_Actions/all_actions)
- Newsletter: <http://www.cost.eu/notification>
- Twitter: <https://twitter.com/COSTprogramme> @COSTprogramme
- LinkedIn: <http://www.linkedin.com/groupRegistration?gid=1699127>
- Facebook: <http://www.facebook.com/COST.Programme>
- YouTube: <http://www.youtube.com/user/COSTOffice>

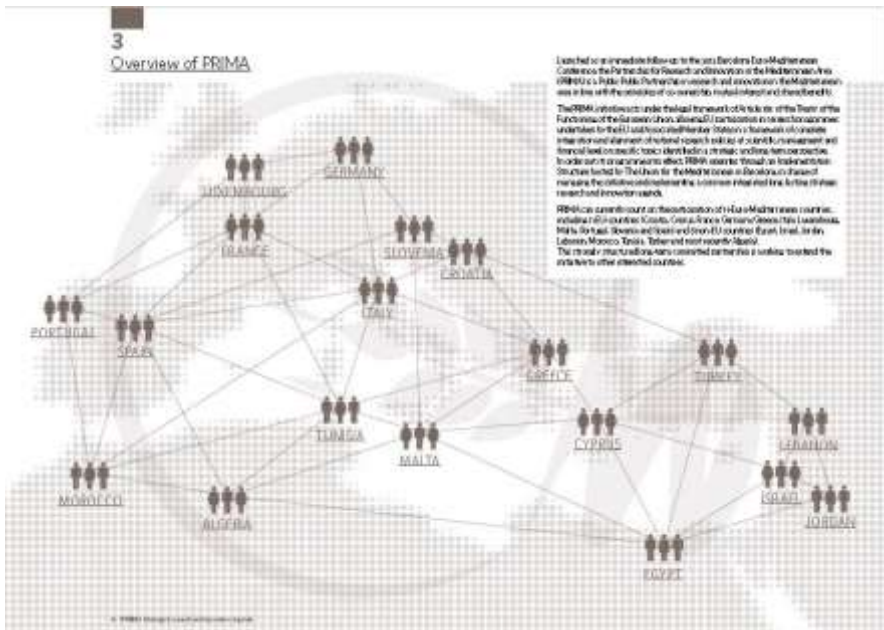
## Selected stakeholders in the field “Water for Agriculture and Food in the Mediterranean Countries”

As mentioned above, the European Research Area is a web of different initiatives that complement each other. COST aims to bring together representatives of these initiatives with researchers who represent COST Actions. The following section provides information about selected stakeholders which contribute to the discussion on the water-agriculture-food nexus and in particular topics such as smart and sustainable farming, improved land- and water- sustainability and management; new governance models, reduced pests and pathogens in farming and innovative solutions in agri-business.


### Stakeholders with upcoming funding opportunities


#### PRIMA initiative: Partnership for Research and Innovation in the Mediterranean Area

	<p>PRIMA's general goal is to build research and innovation capacities and to develop knowledge and common innovative solutions for water management and provision and agro-food systems in the Mediterranean region, to make them more climate resilient, efficient, cost effective and sustainable and to contribute to an upstream solution of water scarcity, food security, nutrition, health, well-being and migration.</p> <p>The development of innovative solutions will improve the efficiency and sustainability of agro-food production and processing systems and water provision in the Mediterranean basin, and stimulate a more sustainable and competitive industry, able to promote good health and lifestyles, wellbeing and economic growth.</p> <p>PRIMA addresses key priorities identified through the EU's Research and Innovation policy dialogue with countries of the Southern Neighbourhood and constitutes a milestone towards creation of a Common Knowledge and Innovation Space (CKIS) and development of a Common Mediterranean Research and Innovation Agenda.</p>
<p><b>Link to the initiative</b></p>	<p><a href="http://www.prima4med.org/">http://www.prima4med.org/</a>  <a href="http://www.4prima.org">www.4prima.org</a> (weblink to the 4PRIMA Coordination and Support Action which supports the PRIMA preparation)            Social media:  <a href="https://www.facebook.com/PRIMA-616782781810081/">https://www.facebook.com/PRIMA-616782781810081/</a>, @prima4med, #PRIMA_EU</p>
<p><b>Priorities</b></p>	<ul style="list-style-type: none"> <li>• Smart and sustainable farming;</li> <li>• Water-saving solution;</li> <li>• Nutrition/Mediterranean diet;</li> <li>• Food and Water chain efficiency;</li> <li>• Reduction of impact of pest and pathogens in farming;</li> <li>• Innovative business models in agri-food industry;</li> <li>• Land and water sustainability in arid and semi-arid watersheds;</li> <li>• Policies and governance of water management systems.</li> </ul>
<p><b>Key documents</b></p>	<p>PRIMA website at the EC:  <a href="https://ec.europa.eu/research/environment/index.cfm?pg=prima">https://ec.europa.eu/research/environment/index.cfm?pg=prima</a></p>

	Strategic Research Agenda: <a href="http://4prima.org/content/strategic-research-and-innovation-agenda-sria">http://4prima.org/content/strategic-research-and-innovation-agenda-sria</a> (draft)
<b>Members</b>	<p>PRIMA is an Initiative launched by 19 Euro-Mediterranean Countries, including 11 EU States (Croatia, Cyprus, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia and Spain) and 8 non-EU countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Tunisia and Turkey) to participate in a EU joint research and innovation programme. PRIMA can also count on a number of other countries (including Algeria, Czech Republic, and Romania) that are already participating in its activities.</p>  <p><b>3 Overview of PRIMA</b></p> <p>Launched as an immediate follow-up to the 2014 Barcelona Euro-Mediterranean Conference, the Partnership for Research and Innovation in the Mediterranean Area (PRIMA) is a State-to-State Partnership between 19 and 20 countries. The PRIMA initiative was set in line with the objectives of cooperation for mutual development and innovation.</p> <p>The PRIMA initiative acts under the legal framework of Article 17 of the Treaty of the Functioning of the European Union (TFEU) as a platform for research and innovation cooperation between the EU and non-EU member states. It is a voluntary initiative that operates under the leadership of the PRIMA Consortium Secretariat, which is responsible for the overall management and coordination of the initiative. The PRIMA initiative is based on a number of key principles, including the promotion of research and innovation, the sharing of knowledge and expertise, and the development of a common vision for the future of the Mediterranean region.</p> <p>PRIMA is a partnership of 19 Euro-Mediterranean countries, including 11 EU member states (Croatia, Cyprus, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia and Spain) and 8 non-EU countries (Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Tunisia and Turkey). The initiative is also supported by a number of other countries, including the Czech Republic and Romania.</p>
<b>Contact person(s)</b>	PRIMA Consortium Secretariat, University of Siena prima@unisi.it
<b>Calls</b>	Upcoming calls will be announced in 2018 and will be based on the Strategic Research and Innovation Agenda.
<b>Runtime</b>	2018 - 2023


## JPI Water: Water challenges for a changing world

	The JPI "Water challenges for a changing world" deals with research and innovation in the field of water challenges related sciences sciences covering a broad spectrum of water research under very different environmental and water user conditions.
<b>Link to the initiative</b>	<a href="http://www.waterjpi.eu/">http://www.waterjpi.eu/</a>
<b>Priorities</b>	<p>Improving Ecosystem Sustainability and Human Well-being</p> <p>Developing Safe Water for Citizens</p> <p>Promoting Competitiveness in the Water Industry</p> <p>Implementing a Water-Wise Bio-Based Economy</p> <p>Closing the Water Cycle Gap – Improving Sustainable Water Resource Management</p>

<p><b>Key documents</b></p>	<ul style="list-style-type: none"> <li>• Strategic Research and Innovation Agenda 2.0: <a href="http://www.waterjpi.eu/images/documents/Introduction%20to%20the%20WJPI_SRIA2%200.pdf">http://www.waterjpi.eu/images/documents/Introduction%20to%20the%20WJPI_SRIA2%200.pdf</a></li> <li>• Water Joint Programming Implementation Plan 2017-19: <a href="http://www.waterjpi.eu/images/documents/Annex%20ImplementationPlan2017-19.pdf">http://www.waterjpi.eu/images/documents/Annex%20ImplementationPlan2017-19.pdf</a></li> <li>• Key achievements 2011 – 2016: <a href="http://www.waterjpi.eu/images/documents/WATER_JPI_Key_Achievements.pdf">http://www.waterjpi.eu/images/documents/WATER_JPI_Key_Achievements.pdf</a></li> </ul>
<p><b>Members</b></p>	<p>There are 20 member countries and 4 observer countries. The international cooperation dimension of the first implementation actions of the Water JPI include Israel, Norway, the Republic of Moldova and Turkey (full Water JPI members), as well as three additional Horizon 2020 associated countries (Egypt, South Africa, and Tunisia) and two international partners (Canada and Taiwan).</p> <p>Water JPI Partner Countries</p> 
<p><b>Contact person(s)</b></p>	<p>Email: <a href="mailto:waterjpisecretariat@agencerecherche.fr">waterjpisecretariat@agencerecherche.fr</a>  who is who of partners:  <a href="http://www.waterjpi.eu/index.php?option=com_content&amp;view=article&amp;id=454&amp;Itemid=996">http://www.waterjpi.eu/index.php?option=com_content&amp;view=article&amp;id=454&amp;Itemid=996</a>  social media:  <a href="https://www.facebook.com/Water-JPI-517792798284596/">www.facebook.com/Water-JPI-517792798284596/</a>; @WaterJPI; LinkedIn  Water JPI - Researchers Forum <a href="https://www.linkedin.com/groups/8455262">www.linkedin.com/groups/8455262</a></p>
<p><b>Calls</b></p>	<p>The Water JPI is planning to launch new Joint Calls on:</p> <ul style="list-style-type: none"> <li>• August 2017: Water-related UN SDGs</li> <li>• February 2018: Closing the water cycle gap - sustainable water management</li> </ul> <p>The call Water JPI 2016 Joint Call for Transnational Collaborative Research Projects was a successful joint call between the Water and FACCE JPIs. The projects are funded by all of the 25 funding partners from 22 countries</p>


	and the European Commission. More information on: <a href="http://www.waterjpi.eu/index.php?option=com_content&amp;view=article&amp;id=570&amp;Itemid=769">http://www.waterjpi.eu/index.php?option=com_content&amp;view=article&amp;id=570&amp;Itemid=769</a>
<b>Runtime</b>	2011 – at least 2022

#### JPI FACCE: Agriculture, Food Security and Climate Change

	The FACCE – JPI addresses the interconnected challenges of Agriculture, Food Security and Climate Change aiming to achieve sustainable growth in agricultural production, to meet increasing world food demand and to contribute to economic growth while maintaining and restoring ecosystem services under current and future climate change. The JPI aligns national programmes, develops knowledge networks and brings together project clusters. Transnational projects are also funded through calls in ERA-NETs.
<b>Link to the initiative</b>	<a href="https://www.faccejpi.com/">https://www.faccejpi.com/</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Sustainable food security under climate change;</li> <li>• Sustainable intensification of agriculture under climate change and resource availability;</li> <li>• Food production, Biodiversity and ecosystem services;</li> <li>• Climate Change Adaptation;</li> <li>• Greenhouse Gas Mitigation.</li> </ul>
<b>Key documents</b>	<ul style="list-style-type: none"> <li>• FACCE-JPI strategic research agenda: <a href="https://www.faccejpi.com/Strategic-Research-Agenda">https://www.faccejpi.com/Strategic-Research-Agenda</a></li> <li>• FACCE-JPI Implementation Plan 2016-18: <a href="https://www.faccejpi.com/Media/Implementation-Plan-2016-2018">https://www.faccejpi.com/Media/Implementation-Plan-2016-2018</a></li> </ul>
<b>Members</b>	FACCE-JPI brings together 22 countries: Austria, Belgium, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Israel, Italy, The Netherlands, Norway, Poland, Romania, Spain, Sweden, Switzerland, Turkey and UK. New Zealand joined as an Associate Member in 2016.
<b>Contact person(s)</b>	<a href="https://www.faccejpi.com/Contact">https://www.faccejpi.com/Contact</a> Social media: @FACCEJPI
<b>Calls</b>	A number of actions have been proposed for the period of 2018-2020 and will be announced on the website
<b>Runtime</b>	2012 -


#### JPI Climate

	JPI Climate is a Joint Programming Initiative that aims to provide climate knowledge, to inform about a low-emission, climate-resilient economy, society and environment aligned with Europe's long term climate policy objectives. It develops a research programming platform. It developed a knowledge hub for European contributors to Climate Services and launched several calls with its flagship project, the ERA-NET "European Research Area for Climate Services".
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<b>Link to the initiative</b>	<a href="http://www.jpi-climate.eu">www.jpi-climate.eu</a> <a href="http://www.era4cs.eu">www.era4cs.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Understanding the processes and consequences of climate change</li> <li>• Improving knowledge on climate-related decision-making processes and measures</li> <li>• Researching sustainable societal transformation in the context of climate change</li> </ul>
<b>Key documents</b>	JPI Climate Strategic Research and Innovation Agenda 2016-2025: <a href="http://www.jpi-climate.eu/media/default.aspx/emma/org/10871632/JPI_Climate_SRIA.pdf">http://www.jpi-climate.eu/media/default.aspx/emma/org/10871632/JPI_Climate_SRIA.pdf</a>
<b>Members</b>	<a href="http://www.jpi-climate.eu/programme/membercountries">http://www.jpi-climate.eu/programme/membercountries</a> 
<b>Contact person(s)</b>	secretariat@jpi-climate.belspo.be
<b>Calls</b>	ERA-NET Consortium "European Research Area for Climate Services", so-called ERA4CS launched a previous call <a href="http://www.jpi-climate.eu/ERA4CS">http://www.jpi-climate.eu/ERA4CS</a>
<b>Runtime</b>	2011 -

#### JPI Oceans: Healthy and Productive Seas and Oceans

	The Joint Programming Initiative Healthy and Productive Seas and Oceans (JPI Oceans) is a coordinating and integrating strategic platform, open to all EU Member States and Associated Countries who invest in marine and maritime research.
<b>Link to the initiative</b>	<a href="http://www.jpi-oceans.eu">http://www.jpi-oceans.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Exploring Deep Sea Resources</li> <li>• Technology and Sensor Developments</li> <li>• Science Support to Coastal and Maritime Planning and Management</li> <li>• Linking Oceans, Human Health and Wellbeing</li> </ul>


	<ul style="list-style-type: none"> <li>• Interdisciplinary Research for Good Environmental Status</li> <li>• Observing, Modelling and Predicting Oceans State and Processes</li> <li>• Climate Change Impact on Physical and Biological Ocean Processes</li> <li>• Effects of Ocean Acidification on Marine Ecosystems</li> <li>• Food Security and Safety Driving Innovation in a Changing World</li> <li>• Use of Marine Biological Resources through Development and Application of Biotechnology</li> </ul>
<b>Key documents</b>	Strategic Research and Innovation Agenda: <a href="http://www.jpi-oceans.eu/library?refid=246303">http://www.jpi-oceans.eu/library?refid=246303</a>
<b>Members</b>	<p>JPI Oceans covers all European sea basins with 21 participating countries and provides a long-term integrated approach to marine and maritime research and technology development in Europe.</p> <p><a href="http://www.jpi-oceans.eu/about/jpi-oceans/member-countries">http://www.jpi-oceans.eu/about/jpi-oceans/member-countries</a></p> 
<b>Contact person(s)</b>	<p><a href="mailto:jpioceans@rcn.no">jpioceans@rcn.no</a></p> <p>Social media: <a href="https://www.facebook.com/jpioceans">https://www.facebook.com/jpioceans</a>,  <a href="http://www.linkedin.com/groups/JPI-Oceans-4127650">http://www.linkedin.com/groups/JPI-Oceans-4127650</a>,  <a href="https://twitter.com/jpioceans">https://twitter.com/jpioceans</a></p>
<b>Calls</b>	JPI Oceans does not exclude the use of joint funding and joint calls for proposals. On those occasions, details are announced on the website and social media outlets.
<b>Runtime</b>	2011 -

#### ARIMNET: Coordination of Agricultural Research in the Mediterranean

	<p>ARIMNet (2008-2013) and ARIMNet2 (2014-2017) are ERA-NET Actions aimed at enhancing the coordination of agricultural research in the Mediterranean area and strengthening the cooperation among stakeholders from the food and agriculture sector (e.g. researchers, farmers and their organisations, agricultural extension services, agribusinesses, policy-makers, funders, etc.) in order to achieve food security, poverty alleviation and renewable natural resources preservation.</p>
<b>Link to the initiative</b>	<a href="http://www.arimnet2.net">www.arimnet2.net</a>

<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Increase in resilience, rusticity and productivity of Mediterranean agricultural production systems;</li> <li>• Improving input use management, at the level of the production systems;</li> <li>• Common Mediterranean challenges in animal and plant health;</li> <li>• Sustainable Mediterranean aquaculture and fisheries;</li> <li>• Innovation in agroindustry;</li> <li>• Logistics, supply chain organisation and transportation;</li> <li>• Food safety and food sanitary issues;</li> <li>• Food consumption patterns: consumers' behaviour, quality of products, diet and nutrition;</li> <li>• Agricultural and food policies;</li> <li>• Sustainable management of water and other resources used by agriculture;</li> <li>• Landscape and spatial management, competition with other land uses, peri-urban and urban agriculture.</li> </ul>
<b>Key documents</b>	<p>Integrated Strategic Research Agenda (ISRA):  <a href="http://www.arimnet2.net/files/events07122016/ISRA_ARIMNet2_LowRes_FINAL.pdf">http://www.arimnet2.net/files/events07122016/ISRA_ARIMNet2_LowRes_FINAL.pdf</a></p> <p>Information on funded projects:  <a href="http://www.arimnet2.net/index.php/researchprojects">http://www.arimnet2.net/index.php/researchprojects</a></p>
<b>Members</b>	<p>The currently active ARIMNet2 initiative gathers 24 partners (funding agencies and research institutions) from 15 Mediterranean countries (Algeria, Croatia, Cyprus, Egypt, France, Greece, Israel, Italy, Malta, Morocco, Portugal, Slovenia, Spain, Tunisia and Turkey).</p> <p>Overview of the partners: <a href="http://www.arimnet2.net/index.php/about-us/partners1">http://www.arimnet2.net/index.php/about-us/partners1</a></p>
<b>Contact person(s)</b>	<p>ARIMNet2 Coordinator: Dr. Florence JACQUET (INRA, FR),  <a href="mailto:arimnet@arimnet.net">arimnet@arimnet.net</a></p> <p>Social media: Facebook @ARIMNet2</p>
<b>Calls</b>	<p>The ARIMNet2 2017 YOUNG RESEARCHERS Transnational Call for Research Proposals is based on a virtual common pot of around 5.4 million Euros and open until 14 September 2017. Project consortia must include at least three young researchers from three different countries participating and funding the call (at least 1 from a southern country: Algeria, Egypt, Morocco or Tunisia and 1 from a northern country: France, Greece, Turkey, Croatia, Slovenia, Spain)</p> <p>Topic 1: Promoting sustainable agriculture for socio-economic development.</p> <p>Topic 2: Valorising local products through food value chains improvement.</p> <p>Previous calls in 2011, 2015, 2016 have successfully funded 31 projects; their information is available on the ARIMNet2 website.</p>
<b>Runtime</b>	2008 - 2017

ERANETMED: Euro-Mediterranean Cooperation through ERANET Joint Activities and Beyond

	ERANETMED aims to enhance Euro-Mediterranean co-ownership through innovation and competitive research in the societal challenges of
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	the region. The project aims at reducing fragmentation of programming in the Mediterranean region by increasing coordination among national research programmes of European Member States, Associated Countries and Mediterranean Partner Countries.
<b>Link to the initiative</b>	<a href="http://www.eranetmed.eu">www.eranetmed.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Sustainable cooperation in various societal challenges in the Mediterranean;</li> <li>• Renewable Energies, Water Resources and their connections for the Mediterranean Region (first call in 2015);</li> <li>• Environmental challenges and solutions for vulnerable communities (second call in 2016);</li> <li>• Fostering sustainable water management for the economic growth and sustainability of the Mediterranean region (Third call in 2017).</li> </ul>
<b>Key documents</b>	Call text and guide for applicants for the open call: <a href="http://www.eranetmed.eu/index.php/eranetmed-news/71-3rd-joint-call-announcement">http://www.eranetmed.eu/index.php/eranetmed-news/71-3rd-joint-call-announcement</a>
<b>Members</b>	The participating countries are Algeria, Cyprus, Egypt, France, Jordan, Greece, Germany, Italy, Lebanon, Malta, Morocco, Portugal, Tunisia, Turkey and Spain.
<b>Contact person(s)</b>	Dr Maroun El Moujabber, ERANETMED Project Manager Contact persons in the respective countries are listed at <a href="http://www.eranetmed.eu/index.php/contacts">http://www.eranetmed.eu/index.php/contacts</a> For the open call: <a href="mailto:infocalls@eranetmed.eu">infocalls@eranetmed.eu</a> social media: <a href="https://www.facebook.com/eranetmed?ref=hl">https://www.facebook.com/eranetmed?ref=hl</a>
<b>Calls</b>	Information on any upcoming calls available, maybe also past calls. The 3rd JOINT CALL with the scope of Sustainable Water Management has been launched in May 2017 with a deadline on 14 July 2017. Researchers from the following countries are eligible: France, Egypt, Germany, Italy, Lebanon, Algeria, Portugal, Jordan, Morocco, Tunisia, Spain, Cyprus and Turkey. <a href="http://www.eranetmed.eu/index.php/eranetmed-news/71-3rd-joint-call-announcement">http://www.eranetmed.eu/index.php/eranetmed-news/71-3rd-joint-call-announcement</a>
<b>Runtime</b>	2013 - 2017


## Societal Challenges in Horizon 2020

	<p>The Societal Challenges part of H2020 regularly support topics related to Water for Food and Agriculture, including the Mediterranean Area under SC2 and SC5:</p> <p>SC2 - Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy SC5 - Climate Action, Environment, Resource Efficiency and Raw Materials</p>
<b>Link to the initiative</b>	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/home.html">http://ec.europa.eu/research/participants/portal/desktop/en/home.html</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Agriculture and forestry</li> </ul>

	<ul style="list-style-type: none"> <li>• Agri-food sector for a safe and healthy diet</li> <li>• Aquatic living resources and marine research</li> <li>• Bio-based industries</li> <li>• Waste</li> <li>• Water innovation</li> </ul>
<b>Key documents</b>	<a href="https://ec.europa.eu/programmes/horizon2020/en/h2020-section/societal-challenges">https://ec.europa.eu/programmes/horizon2020/en/h2020-section/societal-challenges</a>
<b>Members</b>	EU and Associated member countries
<b>Contact person(s)</b>	<a href="http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html">http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html</a>
<b>Calls</b>	Next work Programme (2018-2020) will be published in October 2017
<b>Runtime</b>	2014 – 2020

#### EIT: European Institute of Innovation and Technology

	<p>Created in 2008, the European Institute of Innovation and Technology (EIT) is a unique EU initiative bringing together leading universities, research labs and companies to form dynamic pan-European partnerships called 'Knowledge and Innovation Community' (KIC). They carry out a whole range of activities that cover the entire innovation chain – including training and education programmes, reinforcing the journey from research to the market, innovation projects as well as business incubators and accelerators. There are currently six KICs and each focuses on a different societal challenge, of which the following are relevant for the water-agriculture-food nexus: EIT Climate-KIC: addressing climate change mitigation and adaptation (2010), EIT Food: addressing sustainable supply chains from resources to consumers (2016).</p>
<b>Link to the initiative</b>	<a href="https://eit.europa.eu/">https://eit.europa.eu/</a>
<b>Priorities</b>	<p>EIT Climate-KIC addresses climate change across four priority themes: Urban Transitions, Sustainable Production Systems, Decision Metrics &amp; Finance, and Sustainable Land Use. Education is at the heart of these themes to inspire and empower the next generation of climate leaders. EIT Climate-KIC runs programmes for students, start-ups and innovators across Europe via centres in major cities, convening a community of the best people and organizations.</p> <p><a href="http://www.climate-kic.org">http://www.climate-kic.org</a></p> <p>EIT Food: Overcome low consumer trust, Create consumer valued food for healthier nutrition, Build a consumer-centric connected food system, Enhance sustainability, Educate to engage, innovate and advance, Catalyse food entrepreneurship and innovation</p> <p><a href="https://eit.europa.eu/eit-community/eit-food">https://eit.europa.eu/eit-community/eit-food</a></p>
<b>Key documents</b>	<p>EIT Strategic Innovation Agenda (SIA) 2014 – 2020: <a href="https://eit.europa.eu/interact/bookshelf/eit-strategic-innovation-agenda-sia-2014-2020">https://eit.europa.eu/interact/bookshelf/eit-strategic-innovation-agenda-sia-2014-2020</a></p> <p>EIT Regulation <a href="https://eit.europa.eu/interact/bookshelf/consolidated-version-regulation-european-parliament-and-council-ec-no-2942008">https://eit.europa.eu/interact/bookshelf/consolidated-version-regulation-european-parliament-and-council-ec-no-2942008</a></p>

<b>Members</b>	<p>Information on the EIT partners is available at <a href="https://eit.europa.eu/eit-community/map">https://eit.europa.eu/eit-community/map</a></p> <p>Different KICs set their respective memberships, see below for the EIT Climate-KIC</p> 
<b>Contact person(s)</b>	<p>EIT Headquarters in Budapest</p> <p><a href="https://eit.europa.eu/interact/contact-us">https://eit.europa.eu/interact/contact-us</a></p> <p>social media: @EITeu, <a href="https://www.facebook.com/EITnews">https://www.facebook.com/EITnews</a></p>
<b>Calls</b>	<p>Participation possibilities in the initiatives of the respective KICs are published on the respective KIC website, e.g. possibilities by the Climate-KIC for different target groups: <a href="http://www.climate-kic.org/for-students">http://www.climate-kic.org/for-students</a>, <a href="http://www.climate-kic.org/for-entrepreneurs">http://www.climate-kic.org/for-entrepreneurs</a>, <a href="http://www.climate-kic.org/for-businesses">http://www.climate-kic.org/for-businesses</a> and <a href="http://www.climate-kic.org/for-public-bodies">http://www.climate-kic.org/for-public-bodies</a>.</p> <p>There are plans for new KICs in manufacturing and urban mobility (2018 calls: <a href="https://eit.europa.eu/collaborate/2018-call-for-kics">https://eit.europa.eu/collaborate/2018-call-for-kics</a>).</p>
<b>Runtime</b>	2008 -

## EUREKA

	<p>Eureka is an intergovernmental network established in 1985. It is a leading facilitator of innovation, providing a proven platform for international RTDI cooperation. EUREKA promotes and supports market-oriented international RTDI project generation and facilitates access to finance for companies involved in projects. The aim is to raise the productivity and competitiveness of European businesses through technology. EUREKA offers network projects, clusters, umbrellas and programmes like EUROSTARS and E!INNOVEST. In the field of Agriculture and Food, an EUREKA Umbrella is active: EUROAGRI FOODCHAIN 2. Umbrellas are an association of at least five national thematic networks in a specific field of technology or service. Umbrellas are comprised of experts from science and industry as well as representatives of national funding institutions. They are set up to support and advise project consortia on developing project ideas through international partnerships in their given field of technology.</p>
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<b>Link to the initiative</b>	<a href="http://www.eurekanetwork.org/">http://www.eurekanetwork.org/</a> <a href="http://www.eurekanetwork.org/content/euroagri-foodchain-2">http://www.eurekanetwork.org/content/euroagri-foodchain-2</a>
<b>Priorities</b>	Focus of EuroAgriFoodChain 2: valorisation of all primary products achieved by the human interaction with the landscape, following its process chain for food, feed products and other bio-economy-related matters
<b>Members</b>	EUROAGRI FOODCHAIN provides support in a network of eleven countries: Portugal, Austria, Czech Republic, France, Hungary, Israel, Lithuania, the Netherlands, Romania, Switzerland and Turkey.

## INTERREG MED

	<p>The MED Programme is a transnational programme of European territorial cooperation. It is financed by the European Union as an instrument of its regional policy. So far, 155 projects have been programmed, co-funded by the European Regional Development Fund (ERDF) up to a rate of 85%. The Programme includes a focus on green growth and blue growth. The main objective is to promote sustainable growth in the Med area by fostering innovative concepts and practices.</p> <p>Participating regions are:</p> 
<b>Link to the initiative</b>	<a href="http://www.interreg-med.eu">http://www.interreg-med.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Blue Growth;</li> <li>• Green Growth;</li> <li>• Social &amp; Creative;</li> <li>• Efficient Buildings;</li> <li>• Renewable Energy;</li> <li>• Urban Transports;</li> <li>• Sustainable Tourism;</li> <li>• Biodiversity Protection;</li> <li>• Governance.</li> </ul>
<b>Key documents/links</b>	<ul style="list-style-type: none"> <li>• Green Growth priority: <a href="http://interreg-med.eu/thematics/green-growth/">http://interreg-med.eu/thematics/green-growth/</a></li> <li>• Focus on the Agrofood Challenges event: <a href="http://mon.uvic.cat/ct-beta/2017/05/16/new-challenges-in-the-agrofood-sector/">http://mon.uvic.cat/ct-beta/2017/05/16/new-challenges-in-the-agrofood-sector/</a></li> </ul>
<b>Runtime</b>	2014 - 2020

## Stakeholders representing coordination and policy initiatives

### Rectors Conferences


 	<p>Rectors Conferences represent universities and discuss higher education and research policy and legislation. They advise the governments and foster cooperation amongst the institutions. At EU level, Rector's conferences have a long tradition of cooperation namely via the European University Association, <a href="http://www.eua.be/">www.eua.be/</a>.</p> <p>The Rectors conferences of Portugal and Spain have recently established common agenda for Knowledge and Higher Education, aiming at, amongst others, increasing the cooperation in the Mediterranean Area. They are working in close cooperation with other conferences with a common interest in the region, namely: France, Germany, Italy, Morocco and Israel.</p>
<b>Link to the initiative</b>	<ul style="list-style-type: none"> <li>• Conferencia de Rectores de las Universidades Españolas <a href="http://www.crue.org">www.crue.org</a></li> <li>• Conselho de Reitores das Universidades Portuguesas (CRUP) <a href="http://www.crup.pt/">www.crup.pt/</a></li> </ul>
<b>Priorities</b>	<p>Mediterranean Cooperation in the Iberian Agenda for Knowledge and Higher Education:</p> <ul style="list-style-type: none"> <li>• promote participation in PRIMA initiative and enhance cooperation with Mediterranean countries in teaching, research and development, with a special focus on issues of sustainability, security, inclusion and intercultural dialogue;</li> <li>• study climate change and desertification in the Mediterranean area;</li> <li>• develop joint programs in teaching and research with Maghreb countries.</li> </ul>
<b>Key documents</b>	<p>Position Paper of Iberian Universities: Design of FP9 <a href="http://www.crup.pt/crup/sitecrup/wp-content/uploads/2017/06/CRUE-CRUP-Position-paper-FP9-Brussels-6-june_FV.pdf">http://www.crup.pt/crup/sitecrup/wp-content/uploads/2017/06/CRUE-CRUP-Position-paper-FP9-Brussels-6-june_FV.pdf</a></p>
<b>Contact person(s)</b>	<p>Lucía Sirera, Head of the European Office <a href="mailto:oficinaeuropea.crue.crup@crue.org">oficinaeuropea.crue.crup@crue.org</a></p>
<b>Runtime</b>	<p>CRUE: Established 1994 CRUP: Established 2 May 1979</p>

### Union for the Mediterranean

 <p>Union for the Mediterranean Union pour la Méditerranée الاتحاد من أجل المتوسط</p>	<p>The Union for the Mediterranean (UfM) is an intergovernmental organisation bringing together the 28 European Union Member States and 15 countries from the Southern and Eastern shores of the Mediterranean. It provides a unique forum to enhance regional cooperation and dialogue in the Euro-Mediterranean region.</p> <p>The Secretariat of the Union for the Mediterranean also focuses on regional priorities in relation to environment and water, namely the protection of the marine environment; the H2020 initiative to depollute the Mediterranean; as well as the UfM Water agenda, designed around the four pillars of water governance, water and</p>
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	<p>climate change adaptation, water demand management and water financing.</p> <p>On 27 April 2017, the UfM Water Ministers met and concluded a ministerial declaration on the UfM Water Agenda mandating the Water Expert Group (WEG) to exchange information and provide technical recommendations, proposals and initiatives on water-related plans, programmes and projects preparing biannual work plans starting from 2018/2019. On 4 May 2017 the UfM and EU Research and Innovation Ministers met, welcoming both the PRIMA and the BLUEMED initiative, calling also for an open dialog between the key stakeholders.</p>
<b>Link to the initiative</b>	<a href="http://ufmsecretariat.org">http://ufmsecretariat.org</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Business Development;</li> <li>• Transport &amp; Urban Development;</li> <li>• Energy &amp; Climate Action;</li> <li>• Water &amp; Environment;</li> <li>• Higher Education &amp; Research;</li> <li>• Social &amp; Civil Affairs.</li> </ul>
<b>Key documents</b>	<ul style="list-style-type: none"> <li>• Ministerial Declaration on the UfM Water Agenda: <a href="http://ufmsecretariat.org/wp-content/uploads/2017/04/Ministerial-Declaration-on-Water_Union-for-the-Mediterranean.pdf">http://ufmsecretariat.org/wp-content/uploads/2017/04/Ministerial-Declaration-on-Water_Union-for-the-Mediterranean.pdf</a></li> <li>• Valletta Declaration on Strengthening Euro-Mediterranean Cooperation through Research and Innovation: <a href="http://ufmsecretariat.org/ufm-ministers-give-new-impetus-to-regional-cooperation-in-research-and-innovation-in-the-mediterranean/">http://ufmsecretariat.org/ufm-ministers-give-new-impetus-to-regional-cooperation-in-research-and-innovation-in-the-mediterranean/</a></li> <li>• Towards a Mediterranean Water Knowledge Platform: <a href="http://ufmsecretariat.org/towards-a-mediterranean-water-knowledge-platform/">http://ufmsecretariat.org/towards-a-mediterranean-water-knowledge-platform/</a></li> </ul>
<b>Members</b>	<p><a href="http://ufmsecretariat.org/ufm-countries/">http://ufmsecretariat.org/ufm-countries/</a></p> 


## The BLUEMED Initiative - Research and Innovation Initiative for Blue Jobs and Growth in the Mediterranean Area

	<p>The "Research and Innovation Initiative for Blue Jobs and Growth in the Mediterranean Area" - BLUEMED Initiative aims to advance a shared vision of a Mediterranean Sea that is healthy, productive, resilient, better understood and valued so as to promote the well-being and sustainable prosperity of our citizens, and future generations, and to boost socio-economic growth and jobs.</p> <p>Its governance currently counts on a Strategic Board and the operational support of a Coordination and Support Action funded by the EC.</p>
<b>Link to the initiative</b>	<a href="http://www.blued-med-project.eu">http://www.blued-med-project.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Mediterranean Sea ecosystems: services, resources, vulnerability and resilience to natural and anthropogenic pressures;</li> <li>• Mediterranean Sea dynamics: developing services in the field of sustainable adaptation to climate change and plans for mitigation;</li> <li>• Hazards and the protection of coastal areas in the Mediterranean</li> <li>• Innovative businesses based on marine bio-resources in the Mediterranean;</li> <li>• Ecosystem-based management of Mediterranean aquaculture and fisheries;</li> <li>• Sustainable tourism in the Mediterranean;</li> <li>• Maritime clusters in the Mediterranean;</li> <li>• Maritime Spatial Planning and Integrated Coastal Zone Management in the Mediterranean;</li> <li>• Smart, greener maritime transport and facilities in the Mediterranean;</li> <li>• Observing systems and operational oceanography capacities in the Mediterranean;</li> <li>• Multi-purpose offshore platforms in the Mediterranean;</li> <li>• Marine and coastal cultural heritage in the Mediterranean: discovering, protecting and valuing.</li> </ul>
<b>Key documents</b>	<ul style="list-style-type: none"> <li>• Strategic Research and Innovation Agenda: <a href="http://www.blued-med-project.eu/wp-content/uploads/2016/12/Blued-med-SRIA_A4.pdf">http://www.blued-med-project.eu/wp-content/uploads/2016/12/Blued-med-SRIA_A4.pdf</a></li> <li>• BLUEMED vision document: <a href="https://www.researchitaly.it/uploads/12471/BLUEMED_Vision.pdf?v=1b9ffe7">https://www.researchitaly.it/uploads/12471/BLUEMED_Vision.pdf?v=1b9ffe7</a></li> </ul>
<b>Members</b>	<p>Participating countries: Cyprus, Croatia, Greece, France, Italy, Malta, Portugal, Slovenia, Spain, and Belgium.</p> <p>The partners in the Coordination and Support Action for the BLUEMED initiative can be found here: <a href="http://www.blued-med-project.eu/partners/">http://www.blued-med-project.eu/partners/</a>.</p>
<b>Contact person(s)</b>	<p>Fabio Fava, Chair of the Strategic Board of the BLUEMED Initiative University of Bologna, Italy E-mail: <a href="mailto:fabio.fava@unibo.it">fabio.fava@unibo.it</a> Social media: @BlueMedEU</p>

## Food 2030

	<p>Food 2030 is an ongoing science-policy dialogue in the area of Food Nutrition and Security (FNS).</p> <p>At the 2015 Milan World Expo Commissioner for Research and Innovation, Carlos Moedas, announced his intention to launch a Food Research Area by World Food Day 2016, presenting a single thematic Research and Innovation narrative built on a number of key Food and Nutrition Security priorities. In October 2016, DG RTD organised the first high level conference Food2030.</p>
<p><b>Link</b></p>	<p><a href="https://ec.europa.eu/research/bioeconomy/index.cfm?pg=policy&amp;lib=food2030">https://ec.europa.eu/research/bioeconomy/index.cfm?pg=policy&amp;lib=food2030</a></p>
<p><b>Priorities</b></p>	<ul style="list-style-type: none"> <li>• NUTRITION for sustainable and healthy diets</li> <li>• CLIMATE smart and environmentally sustainable food systems</li> <li>• CIRCULARITY and resource efficiency of food systems</li> <li>• INNOVATION and empowerment of communities</li> </ul>
<p><b>Upcoming Activities</b></p>	<p>Conference in October 2017:  <a href="http://ec.europa.eu/research/bioeconomy/index.cfm?pg=events&amp;eventcode=0D9DC203-9DED-C5CA-16800D19939A0484">http://ec.europa.eu/research/bioeconomy/index.cfm?pg=events&amp;eventcode=0D9DC203-9DED-C5CA-16800D19939A0484</a></p>

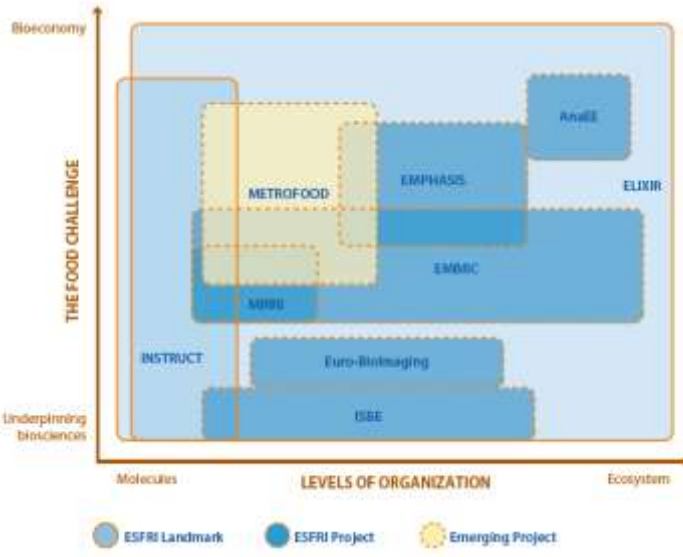
## ETP: European Technology Platforms

<p>European Technology Platforms (ETPs) are industry-led stakeholder fora recognised by the European Commission as key actors in driving innovation, knowledge transfer and European competitiveness. ETPs develop research and innovation agendas and roadmaps for action at EU and national level to be supported by both private and public funding. They mobilise stakeholders to deliver on agreed priorities and share information across the EU. Several ETPs are working in this topic.</p>	
	<p>Water Supply and Sanitation Technology Platform, The European Water Platform  <a href="http://wsstp.eu/">http://wsstp.eu/</a></p> <p>Priorities</p> <ul style="list-style-type: none"> <li>• The value of water;</li> <li>• New digital and water technologies;</li> <li>• A hybrid grey and green water infrastructure;</li> </ul> <p>Enabling inclusive multi-stakeholder governance  Integral demonstration of expertise from the European water sector in three market oriented clusters:</p> <ul style="list-style-type: none"> <li>• (Peri)-Urban Living Lab Pilots</li> <li>• Future Industries Living Lab Pilots</li> <li>• Rural Living Lab Pilots</li> </ul> <p>Key documents</p> <ul style="list-style-type: none"> <li>• WssTP Water Vision 2030 'The Value of Water: Towards a Future proof model for a European water-smart society' (2016): <a href="http://wsstp.eu/wp-content/uploads/sites/102/2017/05/WssTP-Water-Vision-Final_2edition.pdf">http://wsstp.eu/wp-content/uploads/sites/102/2017/05/WssTP-Water-Vision-Final_2edition.pdf</a></li> </ul>

	<ul style="list-style-type: none"> <li>• Strategic Research and Innovation Agenda (2017): <a href="http://wsstp.eu/wp-content/uploads/sites/102/2017/01/WssTP-SIRA_online.pdf">http://wsstp.eu/wp-content/uploads/sites/102/2017/01/WssTP-SIRA_online.pdf</a></li> </ul>
 <p>European Aquaculture Technology and Innovation Platform</p>	<p>European Aquaculture Technology and Innovation Platform</p> <p><a href="http://www.eatip.eu/">http://www.eatip.eu/</a></p>
 <p><b>TPorganics</b> European Technology Platform</p>	<p>TP Organics</p> <p><a href="http://tporganics.eu/about-us/">http://tporganics.eu/about-us/</a></p>
 <p><b>Plants for the Future</b> European Technology Platform</p>	<p>Plants for the Future</p> <p><a href="http://www.plantetp.org/">http://www.plantetp.org/</a></p>
 <p><b>food for life</b></p>	<p>Food for Life</p> <p><a href="http://etp.fooddrinkeurope.eu/">http://etp.fooddrinkeurope.eu/</a></p>
 <p><b>FABRE • TP</b></p>	<p>Farm Animal Breeding &amp; reproduction Technology Platform</p> <p><a href="http://www.fabretp.eu/">http://www.fabretp.eu/</a></p>

#### ESFRI: European Strategy Forum on Research Infrastructures; METROFOOD-RI

 <p>European Commission</p>	<p>The ESFRI has a key role in policy-making on research infrastructures in Europe. In particular the ESFRI contributes to the development of a strategic roadmap that identifies vital new European RIs for the next 10-20 years.</p> <p>The 2016 roadmap contains details of 21 ESFRI projects and 29 ESFRI landmarks. These landmarks are RIs that reached the implementation phase before the end of 2015. Furthermore there are also Complementary projects and Emerging projects.</p> <p>Several projects are on the list in relation to the field of food, bioeconomy etc. and interact with each other, as distributed infrastructures or as physical RIs.</p>
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	 <p>Examples of the RI landmarks include:</p> <ul style="list-style-type: none"> <li>• European Multidisciplinary Seafloor and water-column Observatory (EMSO)</li> <li>• e-infrastructure for Biodiversity and Ecosystem Research (LifeWatch)</li> <li>• Integrated Structural Biology Infrastructure (INSTRUCT)</li> </ul> <p>Examples of RI projects include:</p> <ul style="list-style-type: none"> <li>• International Centre for Advanced Studies on River-Sea Systems (DANUBIUS-RI)</li> <li>• Infrastructure for Analysis and Experimentation on Ecosystems (AnaEE)</li> <li>• European Marine Biological Resource Centre (EMBRC)</li> <li>• European Infrastructure for multi-scale Plant Phenomics and Simulation for food security in a changing climate (EMPHASIS)</li> <li>• Microbial Resource Research Infrastructure (MIRRI)</li> </ul> <p>A thematically relevant example of an emerging project is: METROFOOD-RI: The aim of this new, distributed Research Infrastructure is to support data collection and measurement reliability as well as basic and frontier research in food and nutrition. The aim is to bring this project to the level of maturity required to enter the project list in view of the 2018 update.</p>
<p><b>Link to the initiative</b></p>	<p><a href="http://www.ec.europa.eu/research/infrastructures/index_en.cfm?pg=esfri">www.ec.europa.eu/research/infrastructures/index_en.cfm?pg=esfri</a> Website of the emerging project on METROFOOD: <a href="http://www.metrofood.eu">www.metrofood.eu</a></p>
<p><b>Priorities</b></p>	<p>ESFRI infrastructures cover all fields of science and are structured in the priorities including energy, environment, health&amp;food, physical sciences&amp;engineering, social&amp;cultural innovation and e-RI. Priorities of METROFOOD include:</p> <ul style="list-style-type: none"> <li>• Food quality and safety</li> <li>• Metrology in food and nutrition</li> </ul>
<p><b>Key documents</b></p>	<p>ESFRI Roadmap 2016: <a href="http://www.esfri.eu/roadmap-2016">http://www.esfri.eu/roadmap-2016</a></p>


<b>Members</b>	ESFRI Delegates are senior science-policy officials or equivalents, who represent ministers responsible for research in their country. A senior science-policy official represents the European Commission.
<b>Calls</b>	For the current update, new proposals for the ESFRI Roadmap can be submitted by National ESFRI Delegations and EIROforum members until 31st August 2017.
<b>Runtime</b>	2002 -

#### JRC: Joint Research Centre

	<p>The Joint Research Centre (JRC) is the European Commission's science and knowledge service which employs scientists to carry out research in order to provide independent scientific advice and support to EU policy. The JRC hosts specialist laboratories and unique research facilities and is home to thousands of scientists working to support EU policy. The scientific work serves the policy Directorates-General of the European Commission and address key societal challenges. The JRC also supports the European Commission's agriculture and food security policies through its monitoring and economic analysis of agricultural resources and farm systems. In contribution to global food security, the JRC examines the competitiveness of the European agro-food sector, and helps to promote the European agriculture sector in world trade. In its role as the European Commission's science and knowledge service, the JRC supports, amongst others, the Directorates-General for Agriculture and Rural Development and Maritime Affairs and Fisheries in their policy work in the areas of agriculture and food security.</p>
<b>Link to the initiative</b>	<a href="https://ec.europa.eu/jrc/en/science-area/agriculture-and-food-security">https://ec.europa.eu/jrc/en/science-area/agriculture-and-food-security</a> <a href="https://ec.europa.eu/jrc/en/science-area/environment-and-climate-change">https://ec.europa.eu/jrc/en/science-area/environment-and-climate-change</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Agricultural markets and international trade</li> <li>• Agricultural monitoring</li> <li>• Agricultural technological innovation</li> <li>• Air quality and greenhouse gases</li> <li>• Climate change</li> <li>• Coastal and marine environment</li> <li>• Crop yield forecasting</li> <li>• Digital Earth</li> <li>• Earth observation</li> <li>• Ecosystems and biodiversity</li> <li>• Environmental monitoring</li> <li>• Farming in the EU</li> <li>• Fisheries and Aquaculture</li> <li>• Forestry</li> <li>• Global food security</li> <li>• Green and circular economy</li> <li>• Integrated sustainability assessments</li> <li>• Natural and man-made hazards</li> </ul>


	<ul style="list-style-type: none"> <li>• Raw materials</li> <li>• Rural development</li> <li>• Soil</li> <li>• Sustainable production and consumption</li> <li>• Water</li> </ul>
<b>Key documents</b>	<p>JRC publications can be filtered by research field (e.g. for agriculture and food security): <a href="https://ec.europa.eu/jrc/en/publications-list">https://ec.europa.eu/jrc/en/publications-list</a></p> <p>The Urban Water Atlas stems from a collaboration of the JRC with several other stakeholders: <a href="http://europa.eu/rapid/press-release_IP-17-1110_en.htm">http://europa.eu/rapid/press-release_IP-17-1110_en.htm</a></p>

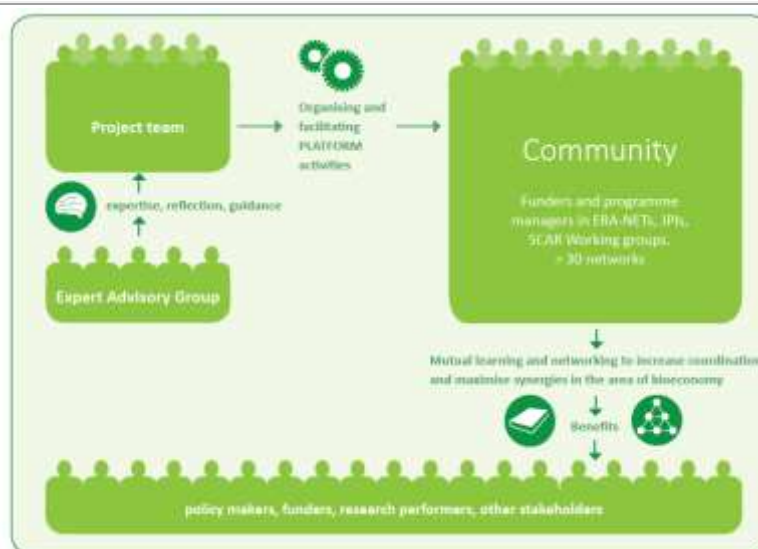
## EIP: European Innovation Partnerships

	<p>Five European Innovation Partnerships have been launched in the context of the Innovation Union. European Innovation Partnerships are a new approach to research and innovation. EIPs help to pool expertise and resources by bringing together public and private sectors at EU, national and regional levels, combining supply and demand side measures. All EIPs focus on societal benefits and fast modernisation. They support the cooperation between research and innovation partners so that they are able to achieve better and faster results compared to existing approaches.</p> <p>Two EIPs are of special relevance for this topic:</p> <ul style="list-style-type: none"> <li>• EIP-AGRI: works to foster competitive and sustainable farming and forestry that 'achieves more and better from less'. It contributes to ensuring a steady supply of food, feed and biomaterials, developing its work in harmony with the essential natural resources on which farming depends.</li> <li>• EIP-Water: facilitates the development of innovative solutions to address major European and global water challenges, which we cannot address or solve with current or business-as-usual approaches and technologies. At the same time, the EIP Water supports the creation of market opportunities for these innovations, both inside and outside of Europe.</li> </ul>
<b>Link to the initiative</b>	<p><a href="http://ec.europa.eu/eip/agriculture/en">http://ec.europa.eu/eip/agriculture/en</a></p> <p><a href="https://www.eip-water.eu/">https://www.eip-water.eu/</a></p>
<b>Priorities</b>	<p>EIP- Agri:</p> <ul style="list-style-type: none"> <li>• Strategies for water management on the farm</li> <li>• Increasing water resources for crops and livestock</li> <li>• Making the most of available water</li> <li>• Strategies to make farms more resilient</li> <li>• Sharing knowledge for better water management</li> </ul> <p>EIP-Water:</p> <ul style="list-style-type: none"> <li>• Water reuse and recycling</li> <li>• Water and wastewater treatment, including recovery of resources</li> <li>• Water-energy nexus</li> <li>• Flood and drought risk management</li> </ul>

	<ul style="list-style-type: none"> <li>• Ecosystem services</li> <li>• Water governance</li> <li>• Decision support systems and monitoring</li> <li>• Financing for innovation</li> </ul>
<b>Key documents</b>	<p>EIP-Agri Brochure 2016:  <a href="http://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_brochure_water_agriculture_2016_en_web.pdf">http://ec.europa.eu/eip/agriculture/sites/agri-eip/files/eip-agri_brochure_water_agriculture_2016_en_web.pdf</a></p> <p>EIP Water State of Play:  <a href="https://www.eip-water.eu/sites/default/files/EIP%20Water-State_of_play_spring_2016.pdf">https://www.eip-water.eu/sites/default/files/EIP%20Water-State_of_play_spring_2016.pdf</a></p>
<b>Runtime</b>	2012 -

#### PLATFORM: Platform of Bioeconomy ERA-NET Actions

	<p>PLATFORM is the forum for funders and programme managers and plays a central role in facilitating and improving the coherence between the public-to-public partnerships in the bioeconomy. Its governance and activities are supported by a Coordination and Support Action funded by the EC. Its objectives are: to further increase collaboration among actors, to foster inclusiveness, to increase capacities for efficient and effective ERA-NETs, and to inform research policy making.</p> <p>PLATFORM actively collects news from all P2Ps in the bioeconomy and produces a monthly newsletter for 600 registered readers and an up-to-date news section on its website.</p> <p>PLATFORM DB is a comprehensive online repository with near-complete data from public-public partnerships in the area of food, agriculture, fisheries, aquaculture, forestry, climate, biodiversity and biotechnologies. The P2P networks in the bioeconomy area are responsible for the organisation of 159 Transnational Joint Calls and the funding of 1330 research projects. The total grants of the research projects funded is 830 million euro. Information about all networks, calls, and projects can be found in PLATFORM DB. The built-in analysis and visualisation tools give insights on network, organisation, and country levels.</p>
<b>Link to the initiative</b>	<a href="http://www.era-platform.eu">www.era-platform.eu</a>
<b>Priorities</b>	<ul style="list-style-type: none"> <li>• Mutual learning, analysis on overarching issues, strategic discussions, and common dissemination of the community of bioeconomy P2Ps.</li> <li>• Common information and dissemination portal on news and activities for and from these networks for a broad audience, including researchers.</li> </ul>
<b>Key documents</b>	<ul style="list-style-type: none"> <li>• Reports with results and recommendations from analysis and from workshops, Policy Briefs, Database and News services are available from the website</li> </ul>
<b>Members and Stakeholders</b>	<p>A project team of experienced hands-on persons active in bioeconomy P2Ps, each committed to lead one or more tasks of the project was formed. An expert advisory group extends expertise brought in. Activities bring together the community, with a further impact to these networks and their European and national embedding.</p>



'bioeconomy P2Ps': networks active on food, agriculture, fisheries, aquaculture, forestry, climate, biodiversity and biotechnologies (i.e. the broader bioeconomy).

Includes FP7 ERA-NETs still running (ICT AGRI, WoodWisdomNet, MBT, SUMFOREST, FACCE ERA-NET Plus Climate Smart Agriculture, BESTF, CORE ORGANIC PLUS), JPIs (HDHL, FACCE, Oceans), SCAR Working Groups, and self-sustained networks (ERA-CAPS, COFASP, EUPHRESKO).

When it comes to participation in PLATFORM meetings the running actions under the H2020 joint programming instruments ERA-NET Cofund and Article 185 form the core community: CORE ORGANIC, SUSFOOD2, ERACoBioTech, BESTF, ERA-GAS, SURPLUS, LEAP-AGRI, SusAN, MarTERA, BiodivERsA, WaterWorks, ERA4CS, ERA-HDHL, ERA-INTIMIC, ForestValue (under preparation), SUSCROP (under preparation), AXIS (under preparation), Article 185 BONUS, Art 185 PRIMA (under preparation).

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<b>Calls</b>	News about all calls from P2P networks in the bioeconomy in the news section and the database
<b>Runtime</b>	2011 - 2014 (supported by an FP7 CSA), 2015 - 2017 (supported by a H2020 CSA)