

**Joint Programming Initiative  
Healthy and Productive Seas and Oceans**

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FCT Portugal and  
member of the JPI Oceans Management Board

27<sup>th</sup> March 2018

<http://www.jpi-oceans.eu/>

# JPI Oceans – an intergovernmental process

## *Vision:*

Enabling **Blue Growth and jobs whilst fostering the health and productivity of seas and oceans** and addressing the pressures posed by climate change and human impacts.

## *Mission:*

Providing a **strategic platform for a long-term approach** to marine and maritime research and innovation **to increase impact of investments.**

## *Members*

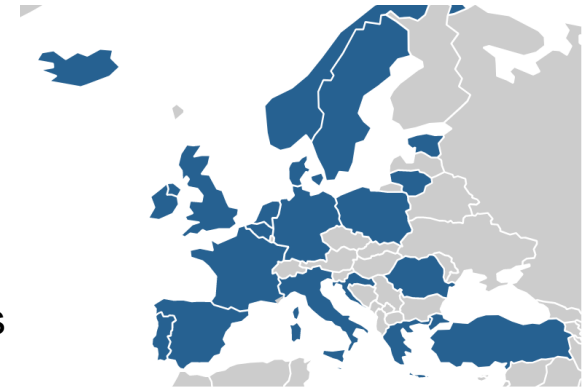
### **21 member countries**

Management Board of Ministries and Research funding bodies

European Commission services as observer (DG RTD)

International Partners may engage in actions case by case basis

**JPI Oceans covers all European sea basins and European interests in global ocean observations**



# Strategic Research and Innovation Agenda 2015-2020



Exploring deep sea resources



Technology and sensor developments



Science support to coastal and maritime planning and management



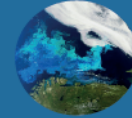
Linking oceans, human health and wellbeing



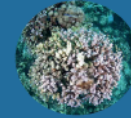
Interdisciplinary research for GES



Observing, modelling and predicting oceans state and processes



Climate change impact on physical and biological ocean processes - Oceans circulation



Effects of ocean acidification on marine ecosystems



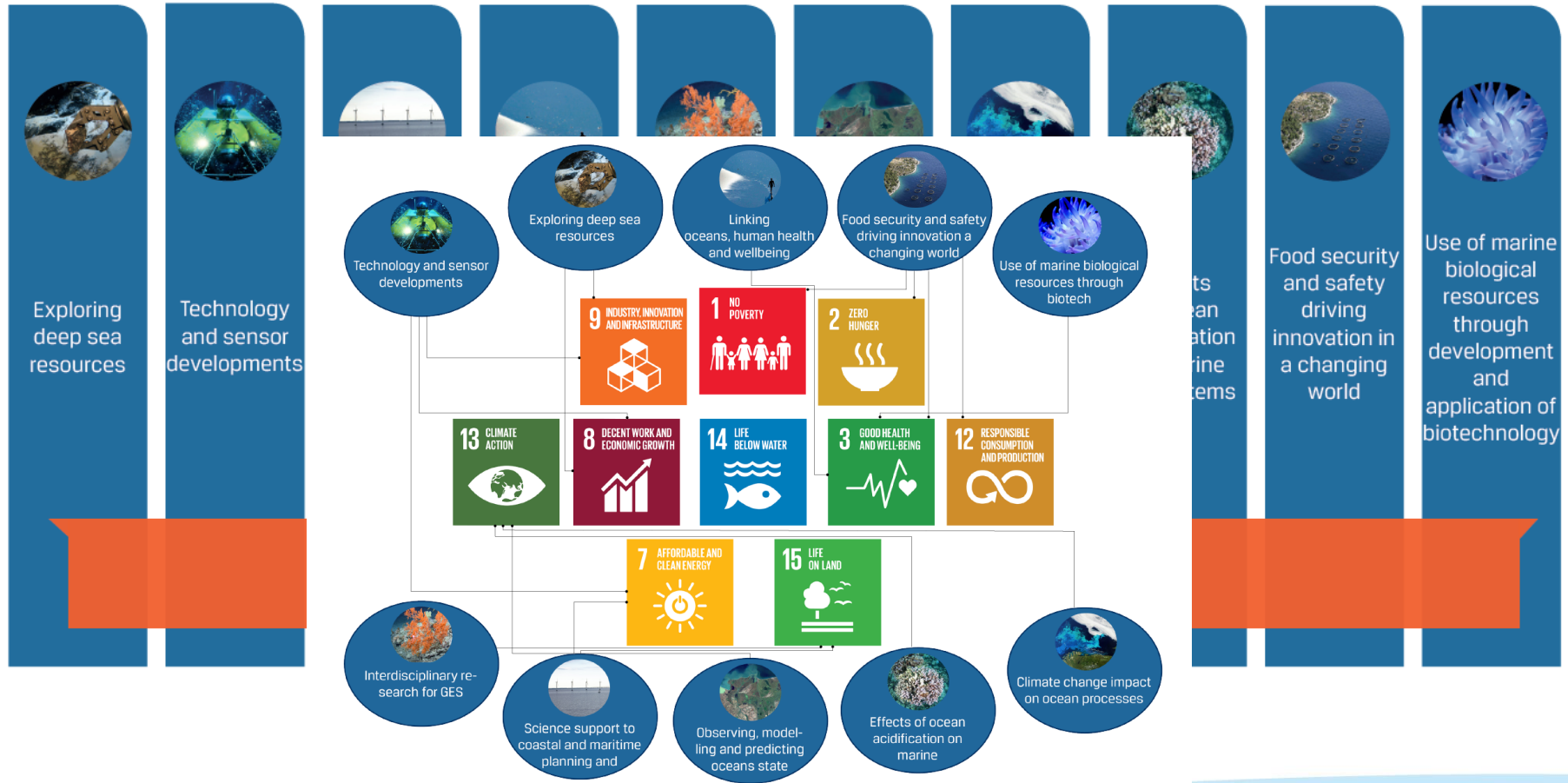
Food security and safety driving innovation in a changing world



Use of marine biological resources through development and application of biotechnology

SCIENCE - POLICY INTERFACE  
HUMAN CAPACITY BUILDING  
INFRASTRUCTURE: SHARED USE AND MANAGEMENT

# Strategic Research and Innovation Agenda 2015-2020



# JPI Oceans

## Joint Actions

Joint Actions are initiated to implement the SRIA of JPI Oceans.

Actions are proposed by a lead country or countries – at least 4 member countries need to be involved for it to be considered as a JPI Oceans action.

The size and scope of each action varies depending on the research needs, the methods/tools used depend on the objective.

- Tools include (JPI Oceans toolbox on website):
  - National research funding (alignment/joint calls)
  - Institutional investments (in kind)
  - Capacity building
  - Sharing Existing infrastructure
  - Drawing on H2020 tools and activities supported by Structural funds
  - Networking
  - Research alliances/hubs
  - Etc....



# Some ongoing actions



MiningImpact  
research project  
(sharing  
infrastructure)



Ecological aspects  
of Microplastics  
Suite of 4 projects

Observations  
Calibration Network



Munitions in the sea –  
science, technology and  
best practice



**30 Million Euro first call 2017**

- Environmentally friendly maritime technologies
- Development of novel materials and structures
- Sensors, automation of blue economy
- Advanced manufacturing and production
- Safety and security

Intercalibration for the Water Framework (pilot action - complete)  
Joint use of infrastructures in the North Sea (pilot action - complete)

## Joint Actions at ‘planning/earlier stages’

- **Blue Bioeconomy ERANET Cofund** (proposal submitted – Norway leads, with 17 other countries – of order 30 million euros)
- **Integrated Assessment of Effects of New Pollutants** (possible ERANET Cofund of order 20 million euros, also with JPI Water and also knowledge hub – Spain and Norway co-lead)
- **Climate Change and Ocean Acidification JPIs Climate and Oceans** (possible ERANET Cofund or joint call - France and Spain co-lead)
- **European Marine Calibration Network** (funding being sought for next steps – Greece leads)
- **Ecosystem Goods and Services for Coastal and Marine Waters** (possible knowledge hub - France and Sweden co-lead)
- **Cumulative Effects of Anthropogenic Disturbances** (knowledge hub – Netherlands and Estonia co-leads)
- **Food and Nutrition Security** (JPIs FACCE, HDHL, Oceans – knowledge hub)
- **Marine Spatial Planning** (science to inform MSP – Italy leads)

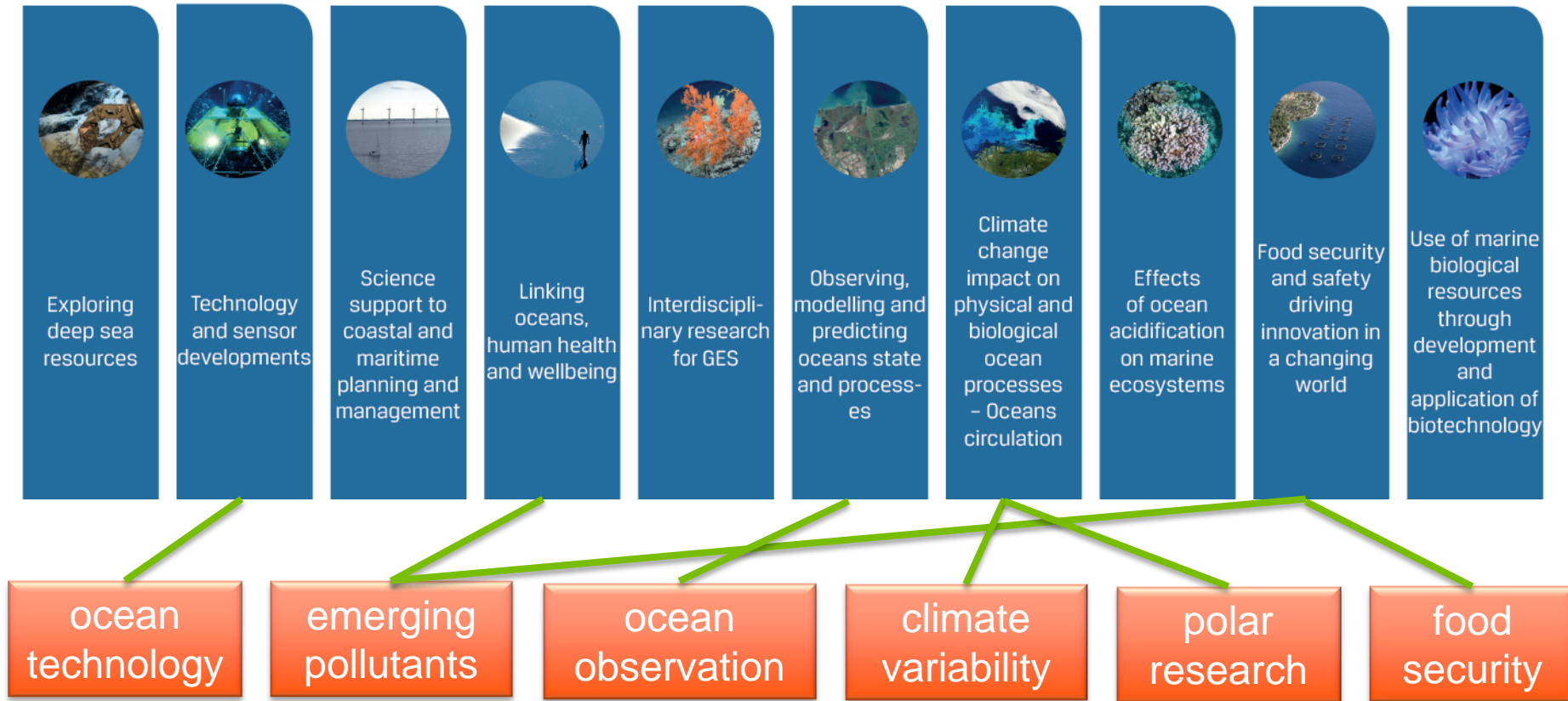
# JPI Oceans Engagement with Brazil

## The Belém Statement

- The European union launched its **South Atlantic Research and Innovation Flagship Initiative** and signed a joint **Statement on Atlantic Ocean Research and Innovation Cooperation** (The Belém statement), on 3 July 2017.
- It will further **boost the research and innovation cooperation** of the EU with its strategic partners Brazil and South Africa **in order to better understand marine ecosystems and climate**. It will improve the scientific knowledge of marine ecosystems and the links between oceans and climate change, food and energy systems, as well as the dynamics of the Atlantic Ocean and its interconnected circulation systems from **Antarctica to the Arctic**.
- **The Statement is built on bilateral achievements**, namely the signing of bilateral **Declarations of Intent on Marine Research and Innovation Cooperation with Brazil**, and the development of the **South-South Framework for Scientific and Technical Cooperation in the South and Tropical Atlantic and Southern Ocean**. It will also help to closely link research activities in the South Atlantic and Southern Ocean with those in the North Atlantic, and explore synergies with other initiatives.
- The statement foresees that **existing mechanisms** such as the European Joint programming initiatives may be **possible platforms to assist for the implementation** of some of the Bélem activities.
- In the **Horizon 2020 programme** a call for proposal for a supporting concerted support action to assist in implementation was made in 2017, result expected summer 2018 – Project proposal coordinated by FCT, Portugal.
- Until now JPI Oceans and Brazil have interacted primarily through the **AORA initiative**.



# Relation between JPI Oceans SRIA and the Belém Statement 6 key areas



# Atlantic Ocean Research Alliance – AORA

## AORA- Working Groups



**AORA WG**  
Ecosystem  
Approach to  
Ocean Health &  
Stressors  
(WG EA2OHS)



**AORA WG**  
Seabed Mapping  
(ASMIWG)



**AORA WG**  
Ocean Literacy



**AORA WG**  
Aquaculture



Brazil and JPI Oceans represented on the High Level Board

## Wider platforms/interactions where both JPI Oceans and Brazil engage

### UNESCO IOC

- JPI Oceans has observer status.
- Scope to inform planning for and actions of the Ocean Decade.
- Specific common interests e.g. MSP, ocean literacy, capacity building.

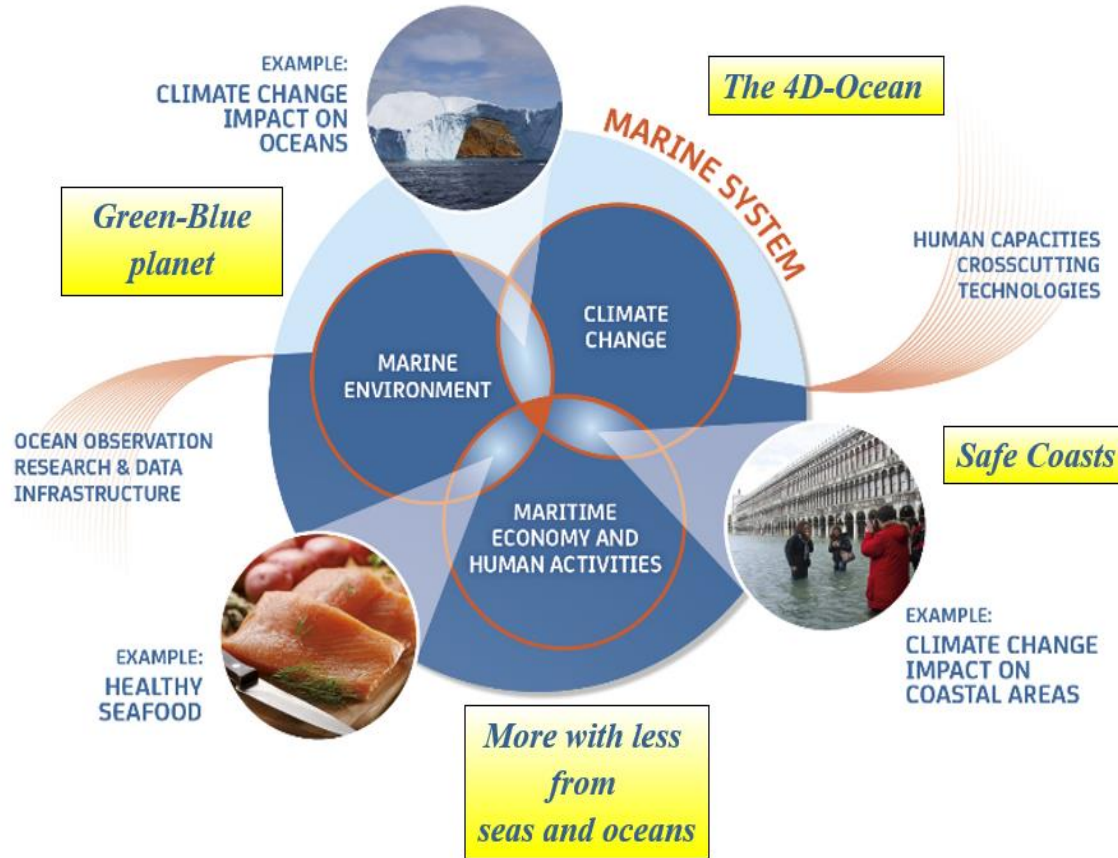
### Belmont Forum

- Planning a call on oceans during 2018, based on recommendations of Future Earth forum
- Joint call with JPI Oceans (could expand country participation)?

### OECD

- Joint workshops
- Action planning

# JPI Oceans – informing FP9 and updating the Strategic Research and Innovation agenda



# JPI OCEANS

THANK YOU  
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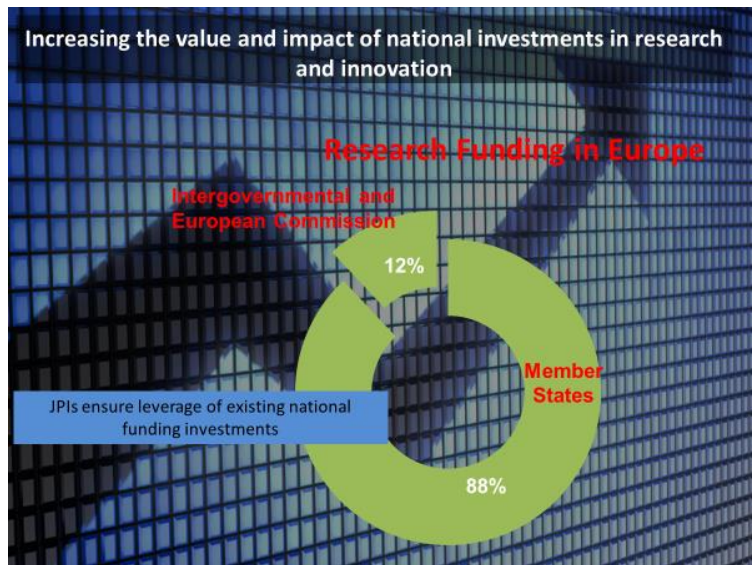
Twitter: [@jpioceans](https://twitter.com/jpioceans)



# Relation EC Horizon 2020 and JPIs

## Horizon 2020

- Agreed through co-decision with European Council and European Parliament
- EU plus EEA countries
- Agreed programme, 'common pot' funding
- Fixed duration projects, in response to calls for proposals
- Fixed Range of tools
- Open to international participation, according to programme rules



## JPIs

- Established by decisions of European Council
- Implemented by their Member countries
- Agreed Strategic agendas addressing societal challenges
- Acting in variable geometry (align, commit, manage own funds)
- Evolving, wide variety of actions and tools to draw on, including the toolkit of H2020
- Long term (10+ perspective)
- Open to international participation (including at governance level), flexible.

