



# Joint Programming Initiative Healthy and Productive Seas and Oceans

‘Ocean meets regions’,  
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Jacky Wood

Email [jkw@rcn.no](mailto:jkw@rcn.no)

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

**JPI  
OCEANS**

# JPI Oceans

**Who we are:**

Intergovernmental strategic platform  
Covers all European sea basins  
21 member countries, Commission as observer.

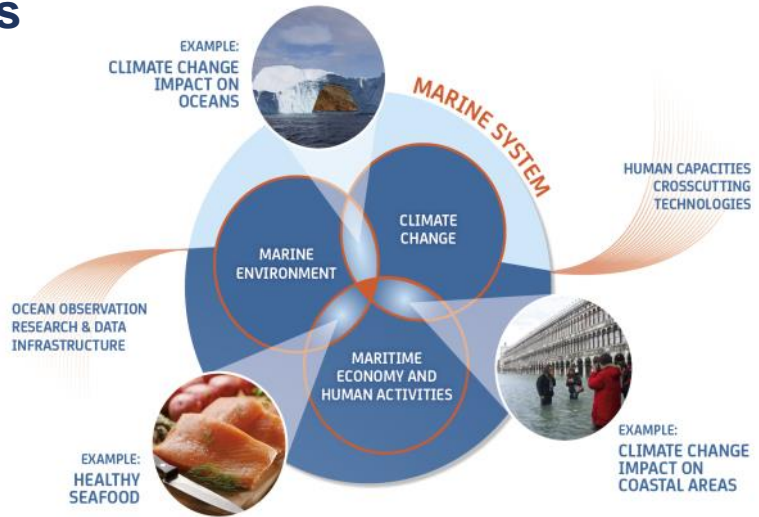
**Vision:**

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.

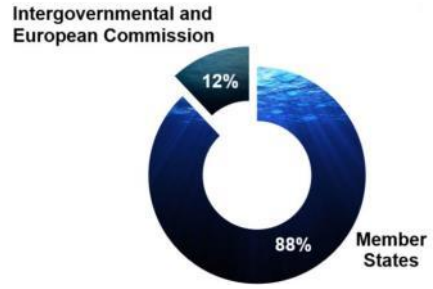
Responding to EU and global policies (Maritime, CFP, MSFD, COP21, Agenda 2030)

**Mission:**

Take a long-term approach to marine and maritime research and technology development in Europe, increase impact of investments via alignments and partnerships.



## Research funding in Europe



# European Council conclusions - 2011

## Expectations JPI Oceans

To ensure impact the Council encouraged;

- a) analysing the state of the art in this field and identifying and exchanging information on relevant national programmes, research activities and capacities;
- b) reinforcing joint foresight exercise and technology assessment capacities;
- c) exchanging information, best practices, methodologies and guidelines;
- d) identifying areas or research activities that would benefit from coordination or, where appropriate joint calls for proposals or mobilising of resources\*);
- e) defining the modalities for research to be undertaken jointly in the areas referred to in point (d);
- f) ensuring the coordination, and the development of synergies with the existing and future research and innovation schemes in the EU, e.g. the Framework Programme, including the related ERA-Nets and Article 185 initiatives, as well as other related JPIs and European Technology Platforms;

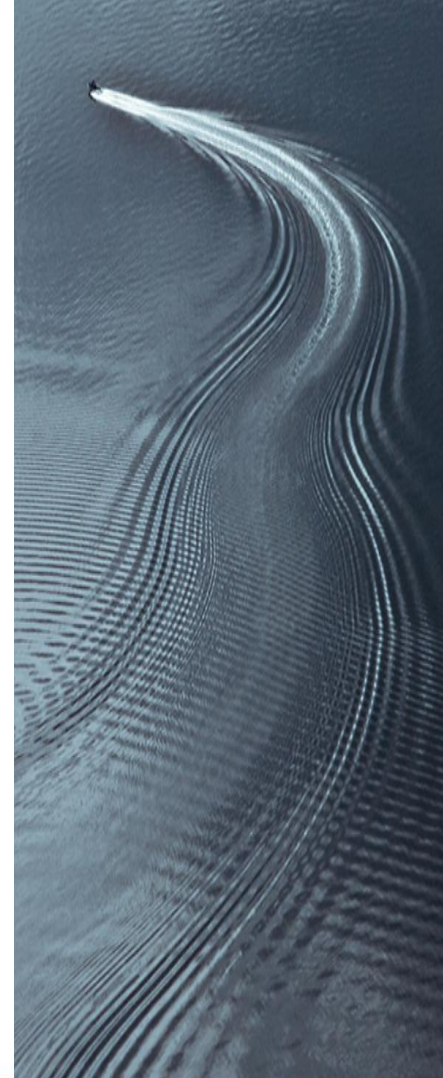
# Council conclusions - 2011

## Expectations to JPI Oceans

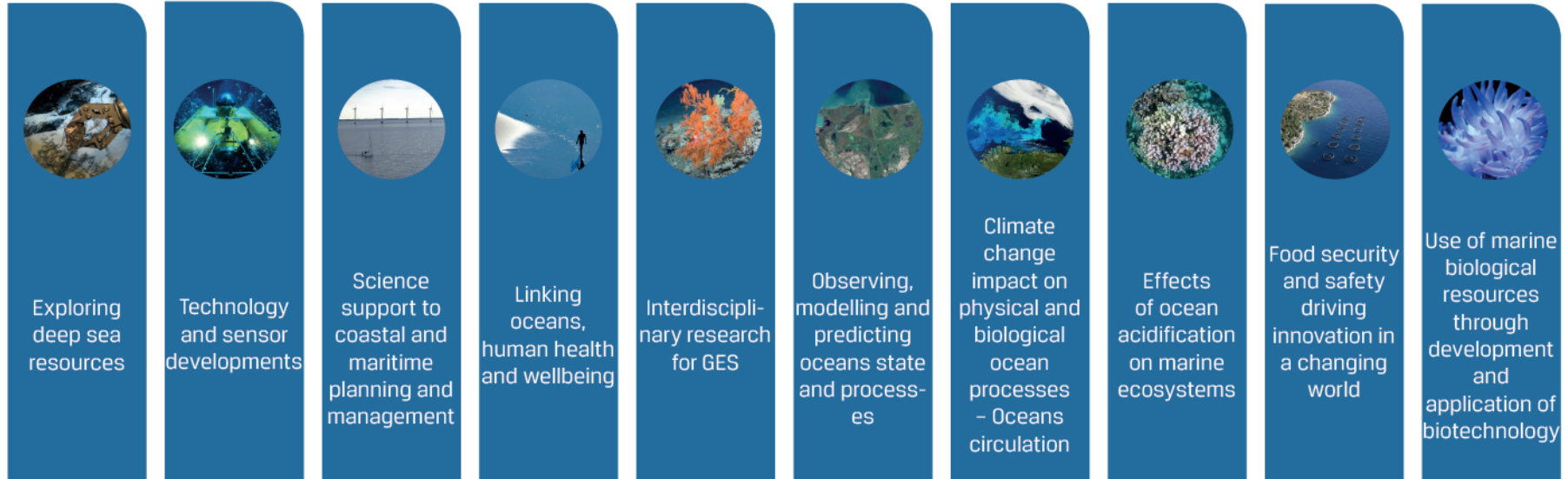
- g) sharing, where appropriate, existing research infrastructures or developing in a coordinated way new facilities in particular to support, inter alia, policies based on an integrated ecosystemic approach;
- h) encouraging better collaboration between public and private sectors, as well as open innovation between different research activities and business sectors;
- i) promoting interdisciplinary approaches and stimulating exchanges and interactions across the marine and maritime sectors;
- j) put in place Implementation plan with voluntary guidelines on Framework Conditions
- k) exporting and disseminating knowledge, innovation and interdisciplinary methodological approaches;
- l) developing appropriate science / policy interfaces on relevant issues such as the implementation of Directive 2008/56/EC (Marine Strategy Framework Directive) and of Maritime Spatial Planning as an essential objective of the Communication on "*An integrated Maritime Policy for the European Union*".
- m) creating networks between centres dedicated to research on seas and oceans.

# From investment in research and technology to innovation – and policy evidence in JPI Oceans – Modalities of work

- Identify **the mission** from the outset
- **Identify and engage** the **producers and users** of the knowledge development, to ensure relevance and uptake
- Identify **bottlenecks** – and a flexible approach to address these:
  - With differing and appropriate **tools**
  - Be adaptive – **allow actions to evolve and adjust after each step** to ensure relevance and cost efficiency
- Identify appropriate level EU vs. national or local –
  - identify **added value** – transaction costs vs. benefits (Intervention logic)
  - Partnerships to ensure impact
- Build in outreach and dissemination activities.



# Strategic Research and Innovation Agenda – 10 strategic areas



Science/policy/infrastructure/human capacity/data



# JPI Oceans ongoing and future activities in practice

- Intercalibration for the Water Directive - Impact; Legally binding regulations, comparable obs.
  - Oceans Obs. Calibration network - Impact; Comparable obs, equipment, traceability
  - Munitions in the Sea - Impact; knowledge for detection, monitoring removal
  - Marine and maritime technologies - Impact; Cross sectoral technology applications
  - Microplastics research projects - Impact; Knowledge to inform policy, awareness
  - Blue Bioresources - Impact; New/improved value chains and products
  - Impacts of deep sea mining - Impact; knowledge to inform governance (ISA)
- 
- Scientific knowledge for Marine Spatial Planning
  - Integrated Assessment of Effects of New Pollutants
  - Ecosystem Goods and Services for Coastal and Marine Waters
  - Cumulative Effects of Human impacts
  - Climate change
  - Acidification...
  - ....



# Example

MarTERA 30 million euro first call (2017) partnership with the European Commission DG RTD H2020

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



Implications for Innovation and Skills



# Region dimension?

JPI Oceans covers all European sea basins

- Strategic links to dedicated research initiatives and networks - BONUS; BlueMED, AORA (Atlantic), Black Sea
- Regional conventions - engage with our expert groups to develop actions – e.g. cumulative effects
- Exchange knowledge and practice between regions on shared challenges – e.g. munitions in the sea, north sea pilot action on multiuse of infrastructures for monitoring
- Promote innovation – industry, clusters
- Explore ways to join up funding for R&I, national, structural funds, EEA grants
- Open to suggestions.....

JPI Oceans

JPI Healthy and Productive Seas and Oceans

About Strategy Joint Actions News & Events Library & Media Resources CSA Oceans 2

### NEWS

**2017.11.15**  
**2nd JPI Oceans conference**  
The 2nd JPI Oceans conference took place in Lisbon on 26 October 2017 and presented the first results of the actions and projects initiated under the framework of JPI Oceans. The event provided an excellent opportunity for stakeholders from research and industry to network and discuss with policy makers from across Europe.  
[Read more >](#)

**2017.07.03**  
**Joint Call: Impacts of Deep-Sea Nodule Mining**  
On August 1, 2017, several JPI Oceans member countries launched a joint call for preproposals to study the environmental impacts and risks associated with seabed mining.

**2017.10.31**  
**JPI Oceans meeting on Munition in the Sea**  
On October 6, 2017, several JPI Oceans member countries met in Rome to define an implementation plan for late 2017-2018.

**2017.10.19**  
**Final meeting of the JPI Oceans research project "MiningImpact" at the NHM London**  
For three years researchers from eleven countries have been working intensively on the "MiningImpact" coordinated by the GEOMAR Helmholtz Center for Ocean Research Kiel. This week, they discuss their findings at the project's final meeting at the Natural History Museum London.

**OTHER NEWS >**

### JPI OCEANS

Increasing the value of national R&D investments in marine and maritime research across Europe

Strategic Research and Innovation Agenda

Annual Activities 2015

Frequently Asked Questions (FAQ)

Joint Actions

### Latest tweets

Follow us

JPI Oceans RT @COP23 2 hours ago  
Sweden announced as Co-Chair of the new Ocean Pathway Partnership. Fiji, Sweden and a host of others joining forces...  
<https://t.co/sdNjDyCR6n>

JPI Oceans 2 hours ago  
John Bell @Bellor48 calling for a planetary reformation to understand and manage the only #BluePlanet in our...  
<https://t.co/PbyjEvlZjH>

JPI Oceans RT @ephemare 7 days ago  
The @jpi oceans projects: #EPHEMARE, #PLASTOX #WEATHERMIC and #BASEMAN referenced in plastic #marinelitter @IUCN repo...  
<https://t.co/uY3SosYNNa>

Tweet to @JPIOceans