

# JPI Healthy and Productive Seas and Oceans (JPI Oceans) A New Frontier



**Joint Programming Conference, Tallinn, 18 April 2013  
Florence Coroner, JPI OCEANS**

# Content

## 1. Oceans as a grand challenge

1. Challenges and Opportunities
2. Policy context

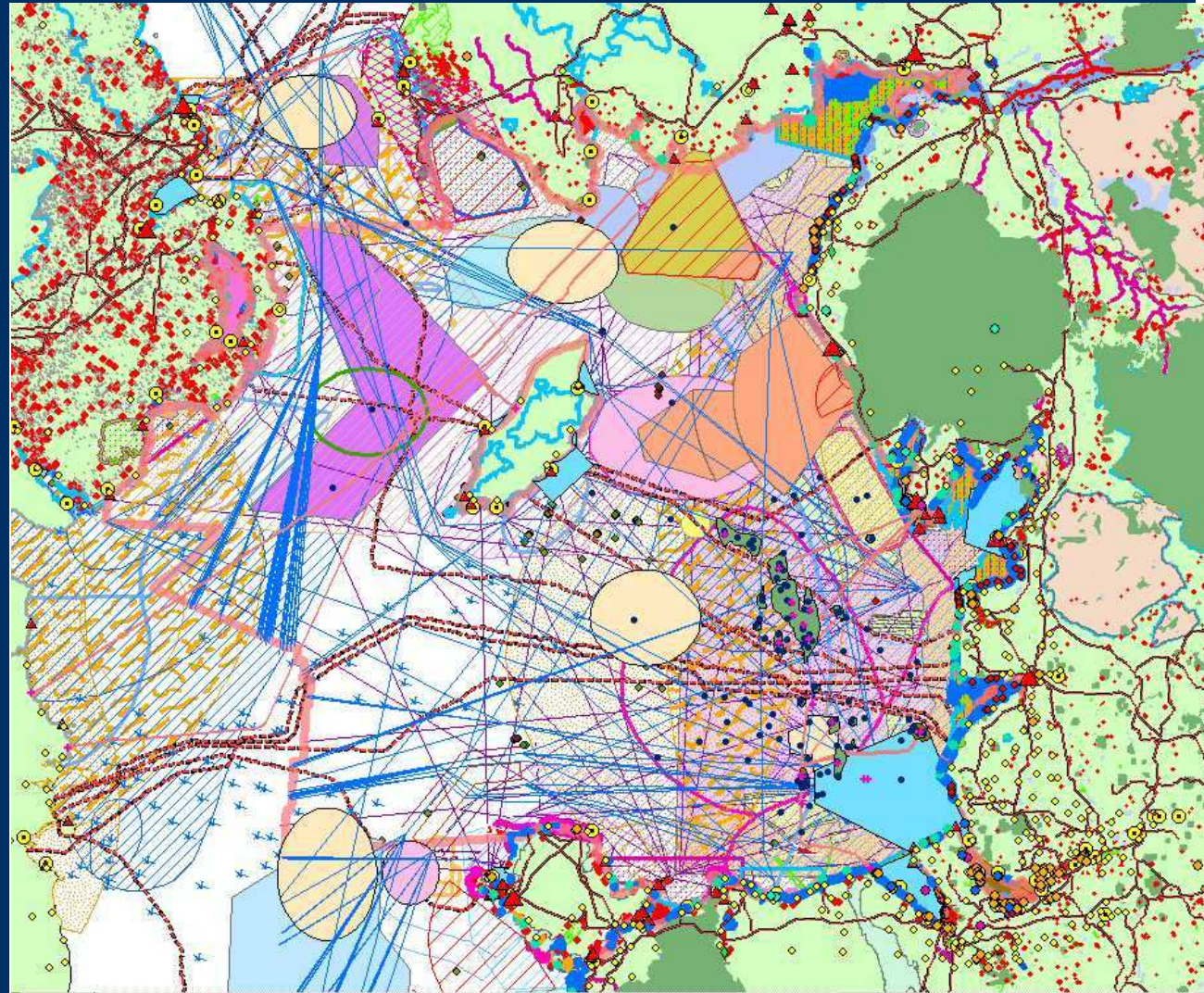
## 2. JPI Oceans

1. Goals & objectives of JPI Oceans
2. Governance
3. State of play
  - Process towards SRIA
  - CSA Oceans
  - Pilot actions

# Oceans as a grand challenge

# COMPETING CLAIMS

Landuse  
Tourism  
Oil & Gas  
Mariculture  
Coastal  
Defence  
Ports &  
Navigation  
Military  
Activities  
Culture  
Conservation  
Dredging &  
Disposal  
Submarine  
Cables



Fishing

Renewable  
Energy

Marine  
Recreation

Mineral  
Extraction

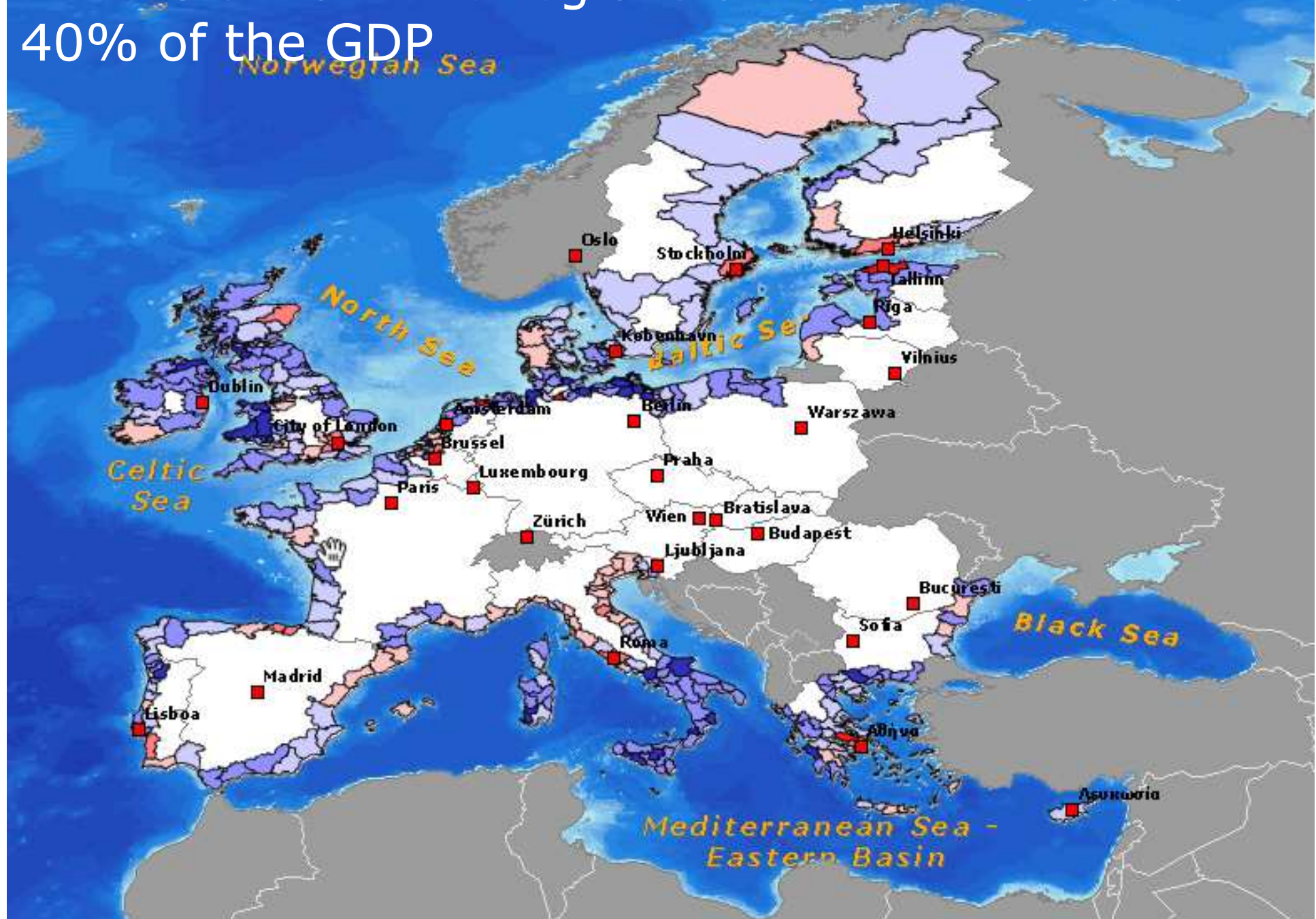
# Marine litter



An underwater photograph showing sunlight rays filtering through the water surface, creating a serene and deep blue atmosphere. The rays are prominent, extending from the top towards the bottom of the frame.

Opportunities

The EU's maritime regions account for around 40% of the GDP





The maritime economy : 3 to 5% of the EU GDP





Maritime transport: 90% of EU's external trade

Fisheries, aquaculture and food processing:  
€32 billion Euros yearly, 0.5 million jobs.





The average  
consumption of fish is  
**22.3** kg/person/year in  
the EU .



European maritime tourism: **3 million** jobs  
and **72 billion** Euros of revenue per year.

# Policy Context



# EU's Integrated Maritime Policy

## Marine Strategy Framework Directive

# EU 2020 objectives

>>> **Blue Growth:** a long-term strategy to support growth in the maritime sector as a whole.

# EU 20-20-20 targets





JPI  
OCEANS

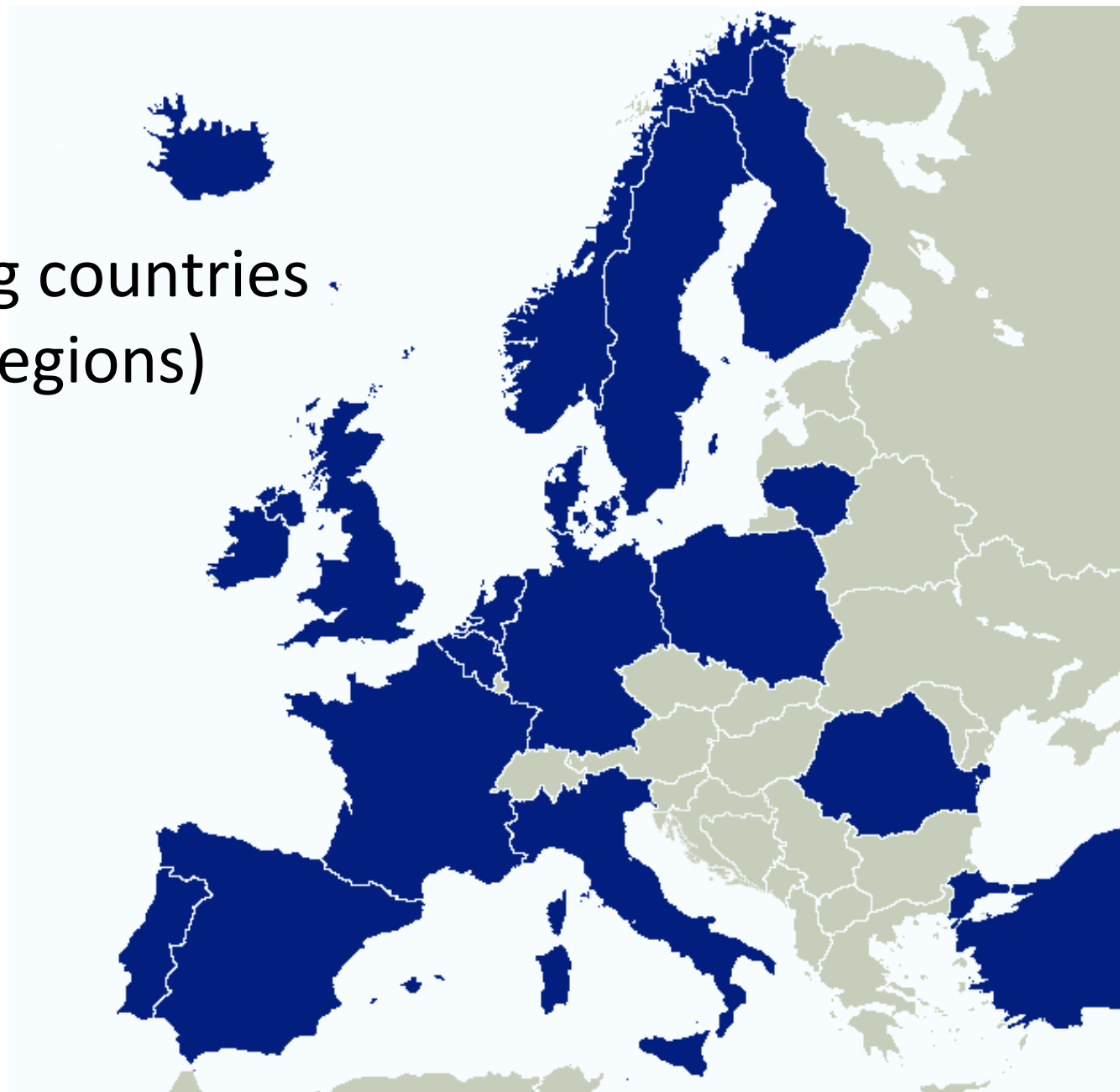
JPI Oceans

# A coordinating and integrating platform for marine and maritime research

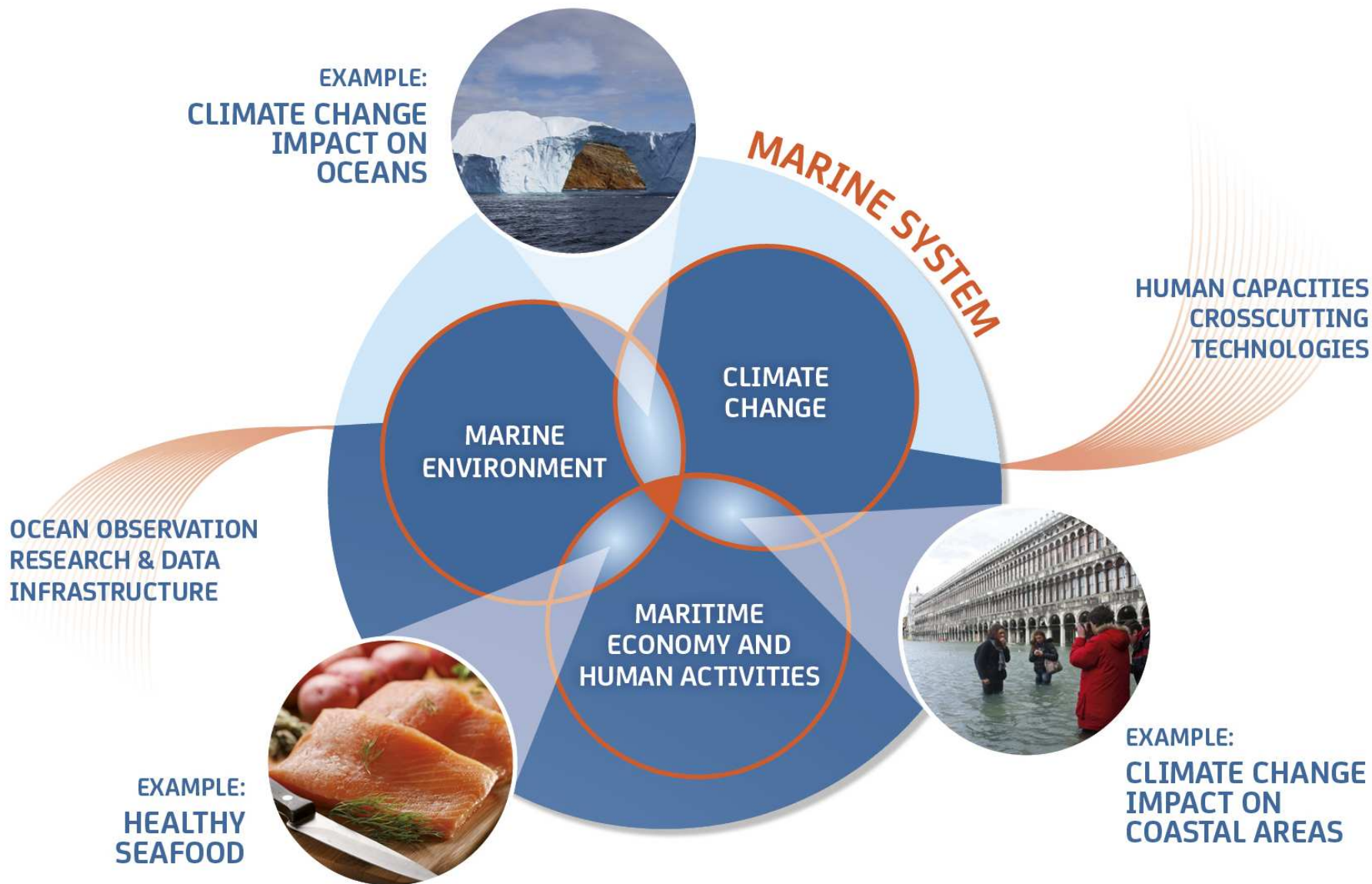
- Long term perspective
- High-level commitment
- Voluntary basis (variable geometry)



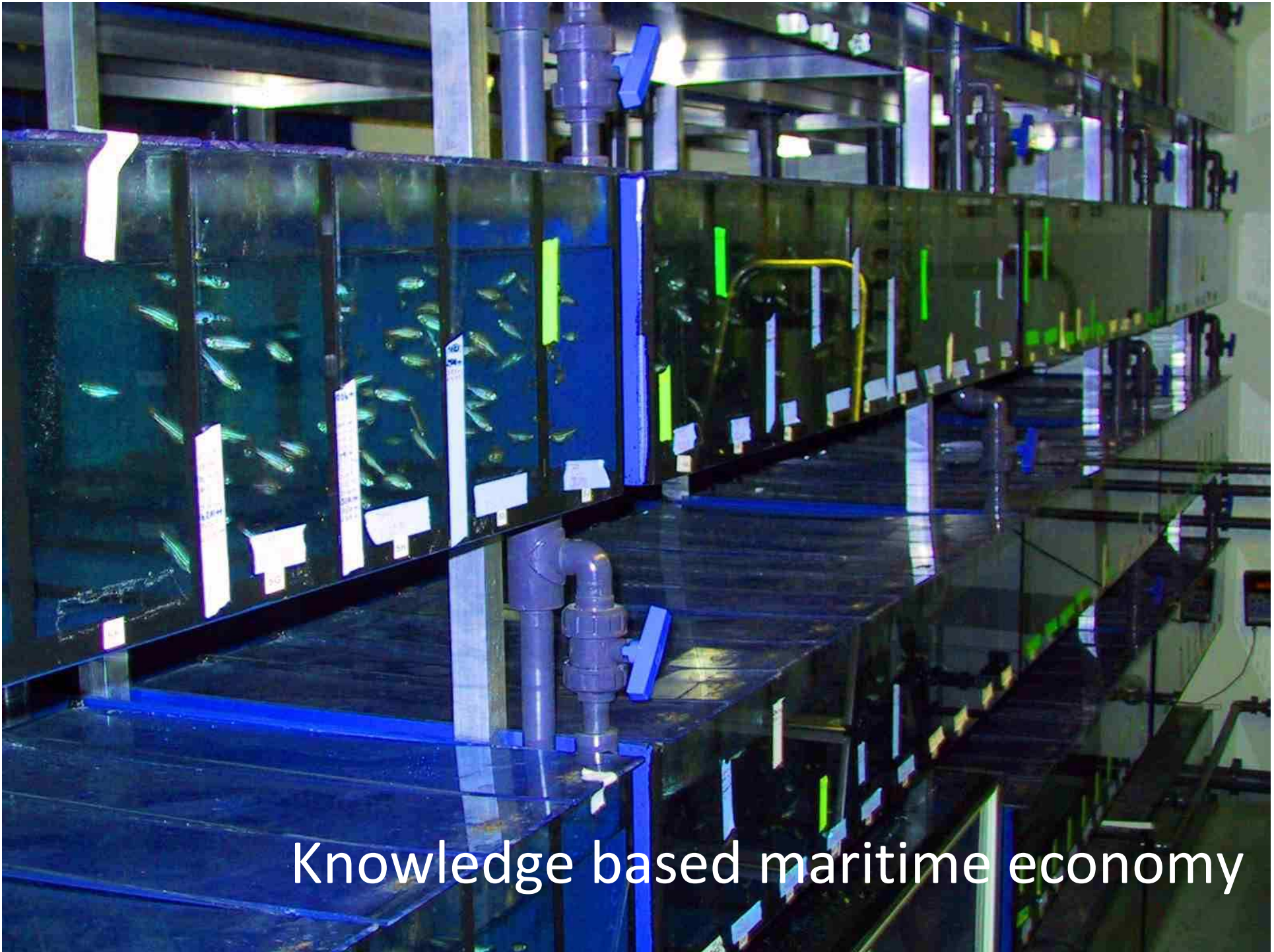
18 Participating countries  
(+ Outermost regions)



# Vision document



# 3 Goals



Knowledge based maritime economy

A large school of fish swimming in clear blue water. The fish are densely packed and move in a coordinated pattern, filling most of the frame. The water is a deep, clear blue, and the lighting is bright, suggesting a shallow depth. The fish are small and silvery, typical of a pelagic species.

Good environmental status of the seas



Optimise the response to climate change....





...and its impacts

# 10 Objectives



Create the best enabling environment to  
maximise the development of  
**marine renewable energy**



Develop the necessary knowledge and technologies to conquer the new  
**deep-sea frontier**



Foster enabling cross-cutting marine technologies across the maritime sectors



Understand climate change impact on coastal areas and the design of marine structures and activities, to optimise mitigation and significantly reduce costly damages

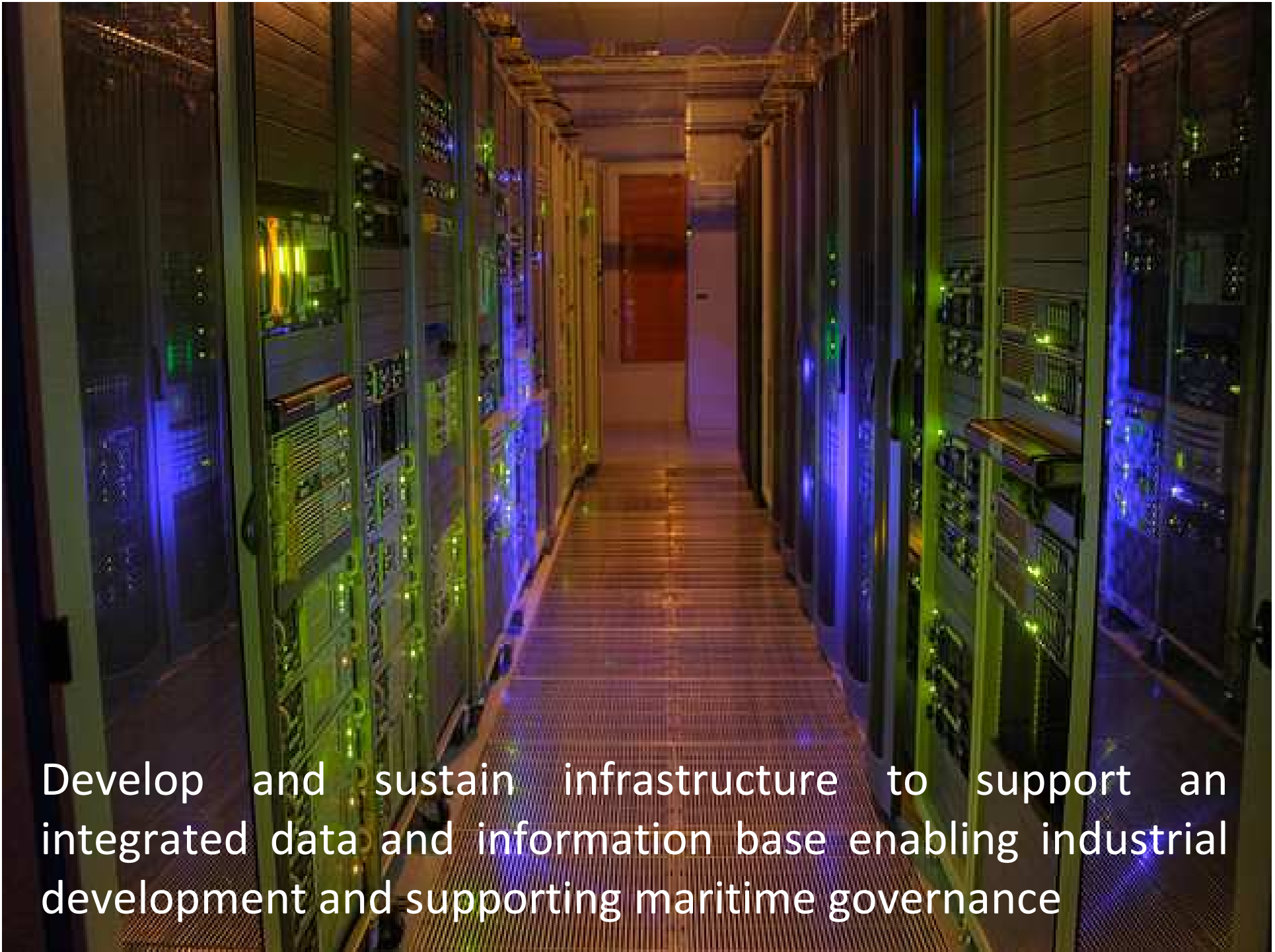
Understand and mitigate the impact of climate change and pressure from human activities on the marine environment to reach GES of our seas by 2020





Improve understanding of marine ecosystems and their processes, in particular delivery of ecosystem services and the impact of human activities





Develop and sustain infrastructure to support an integrated data and information base enabling industrial development and supporting maritime governance



Foster the inter-disciplinary human capacities that are necessary to fulfil the JPI's goals



Develop a

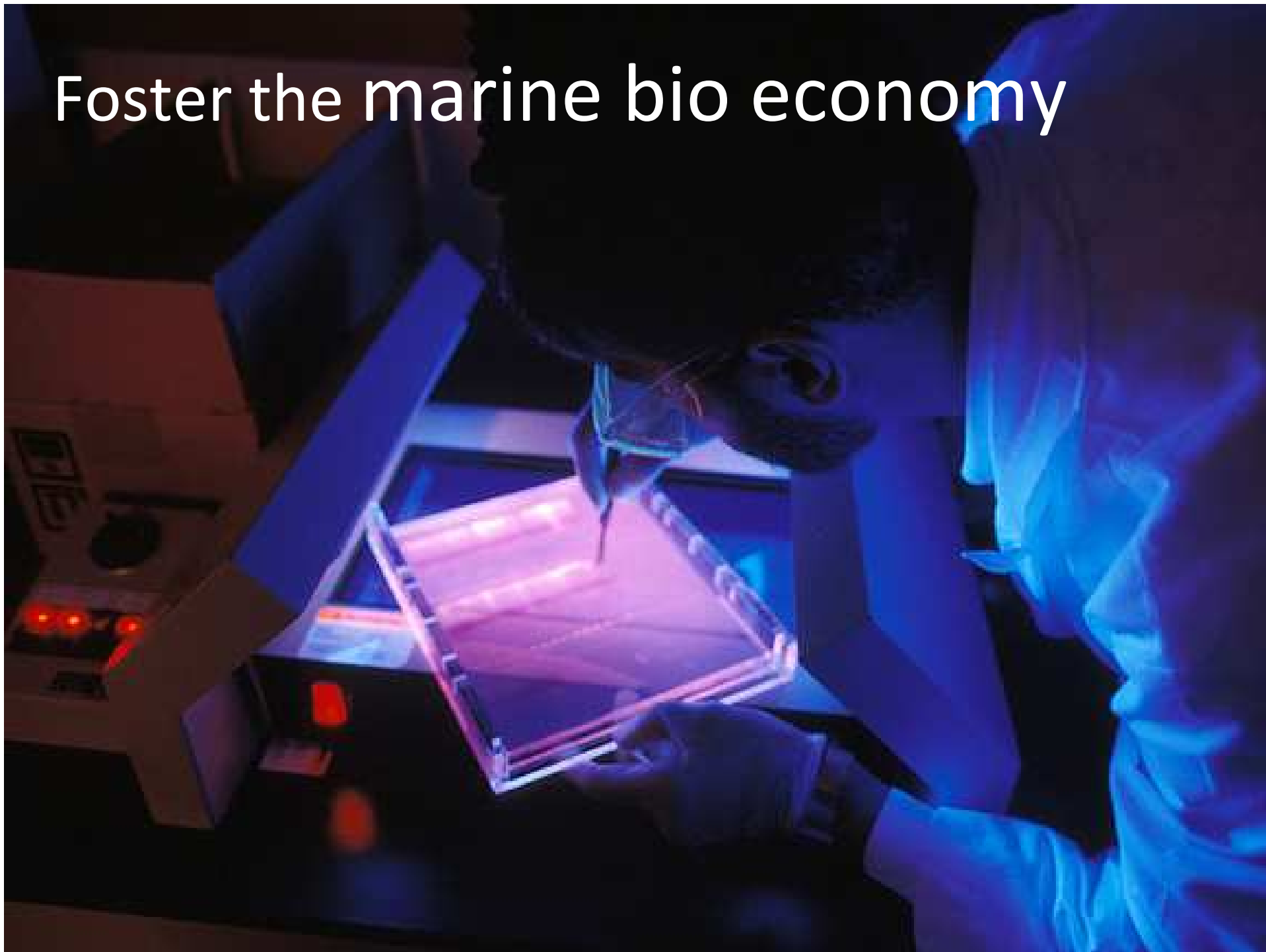
research

to

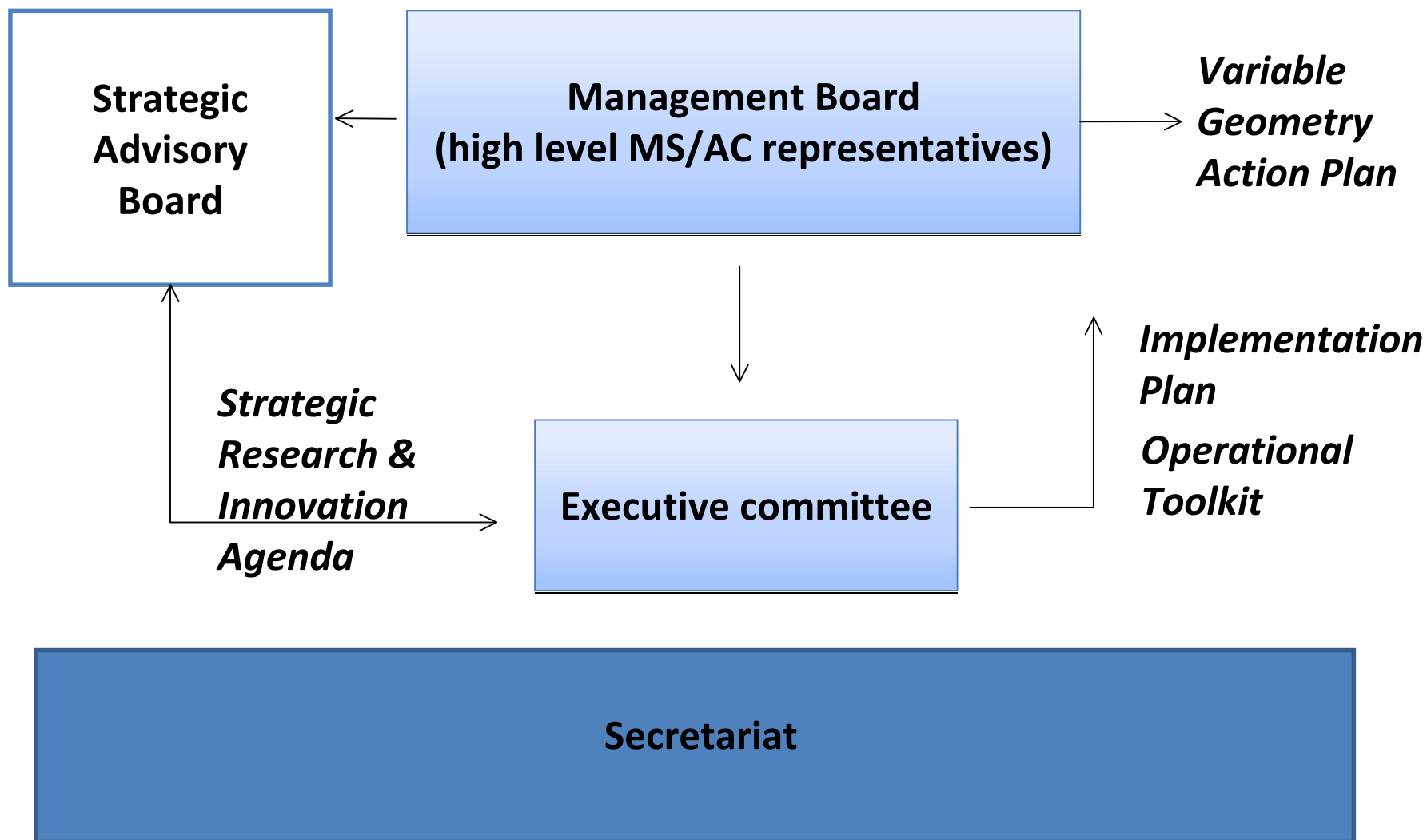
policy

mechanism

# Foster the marine bio economy



# Governance



An underwater photograph showing sunlight rays filtering through the water surface, creating a serene blue environment. The rays are most prominent in the center and right side of the frame, illuminating the water with a bright, ethereal glow. The water surface is visible at the top, with gentle ripples and reflections of light.

State of play

# CSA Oceans

CSA Oceans  
Coordination and Support Action to the Inter-Programming Initiative Healthy and Productive Seas and Oceans

Call  
FP7-507-2012-MED-1

Topic  
507 2012.1.1-2: Support to the development of your programming to marine and aquatic research to address overarching societal challenges (support action within the framework of the Ocean of Tomorrow)

Type of funding scheme  
Coordination and Support Action (Support)

Project Coordinator  
Estelle Aquil-Hesse, Research Council of Norway (RCN)

List of Participants:

N	Organization name	Short name	Country
1	Research Council of Norway	RCN	Norway
2	Thomas Institute voor de Zee	THI	Belgium
3	Missiones de Coopération Internationale	MCI	Spain
4	Agence Française de Recherche pour l'Exploitation de la Mer	IFREMER	France
5	Consiglio Nazionale delle Ricerche	CNR	Italy
6	Nederlandse Organisatie voor Wetenschappelijk Onderzoek	NWO	Netherlands
7	Norway Environment Council	NREC	United Kingdom
8	European Centre for Marine Research	ECMR	Germany
9	Forschungszentrum Jülich	FZJ	Germany
10	Universitatea de Vest a Timisoarei	UVV	Romania

Part B Page 1

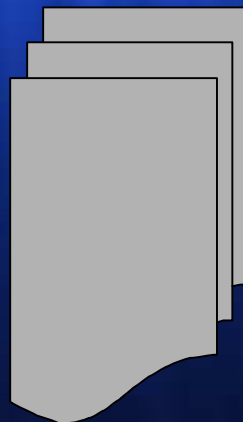
2013

# Prepare for next FP



2014

# Pilot actions



# SRIA



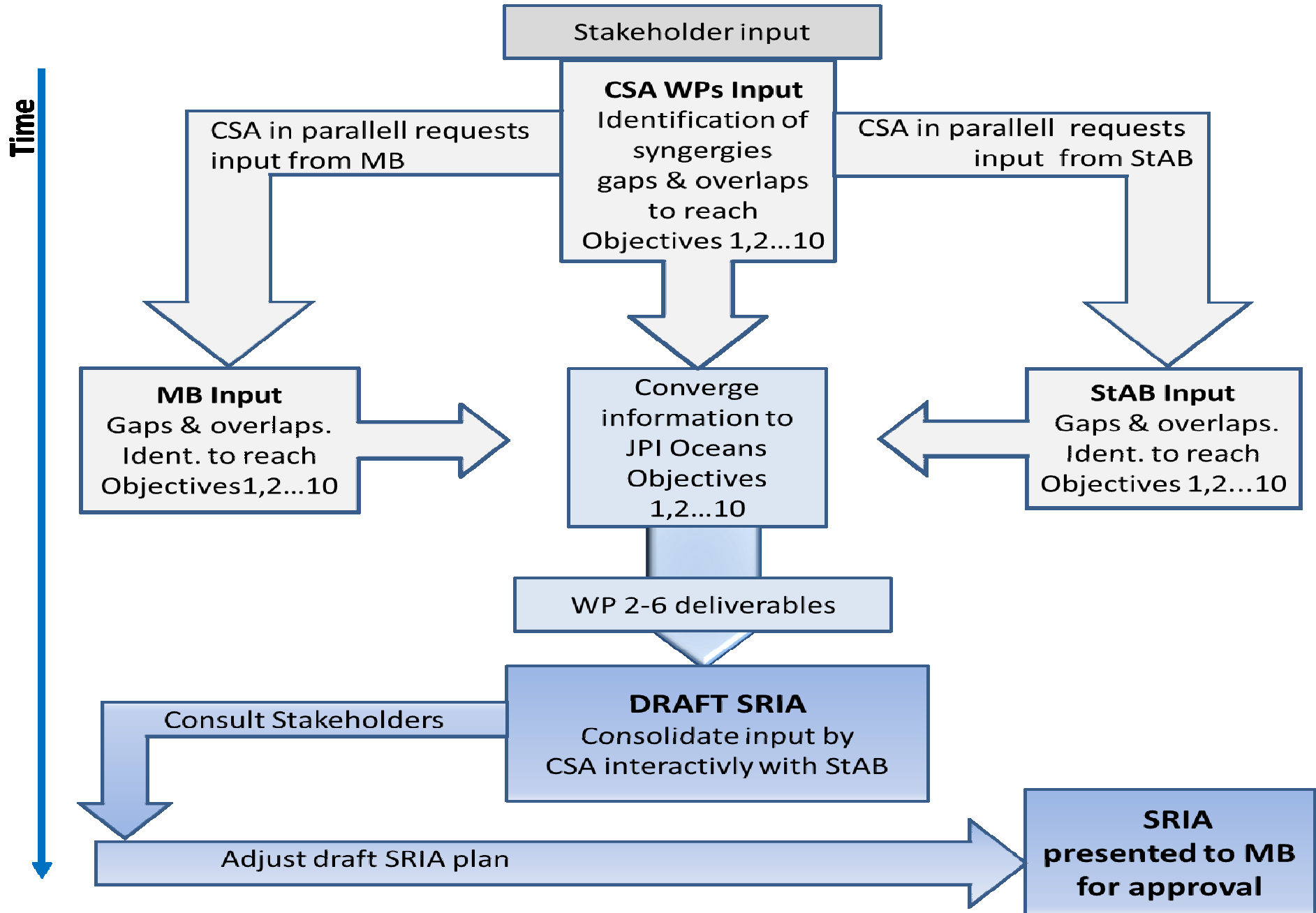
2015



## CSA Oceans

- CSA Oceans aims to reduce the time for JPI oceans to move to the operational phase by:
  - supporting the governance structures
  - Proposing procedures and tools for cooperation
  - Facilitating the development of a Strategic Research and Innovation Agenda
  
- Identifying actions in areas where the JPI Oceans can add value to the European Research Area (ERA) at a level with far greater impact than simple joint calls

# Process towards SRIA



## Pilot Actions

- Early action that aims at testing new instruments for cooperation and coordination in the framework of JPI Oceans. Pilot actions shall demonstrate the added value of joint programming and be linked to goals & objectives of JPI Oceans.

### **4<sup>th</sup> Management Board Meeting:**

- “Ecological aspects of Micro-plastics in the marine environment” (DE 10/10/2012)
- “Multi-use of Infrastructure for Monitoring” (NL 10/10/2012)
- “Ecological aspects of Deep-Sea mining” (DE 29/11/2012)

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