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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
The EU’s maritime regions account for around 40% of the GDP.
Maritime transport, responsible for 90% of EU’s external trade and 40% of its internal trade, is vital for the EU’s economy.

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
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
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

MARINE SYSTEM

CLIMATE CHANGE

MARINE ENVIRONMENT

MARITIME ECONOMY AND HUMAN ACTIVITIES

EXAMPLE: CLIMATE CHANGE IMPACT ON OCEANS

EXAMPLE: CLIMATE CHANGE IMPACT ON COASTAL AREAS

EXAMPLE: HEALTHY SEAFOOD

HUMAN CAPACITIES CROSSCUTTING TECHNOLOGIES

OCEAN OBSERVATION RESEARCH & DATA INFRASTRUCTURE
3 Goals
Knowledge based maritime economy
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 mechanism to research policy.
Foster the marine bio economy
Governance
State of play
CSA Oceans

Prepare for next FP

Pilot actions

SRIA

2013  2014  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
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.

4th 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)