



## NTNU ALUMNI EVENT

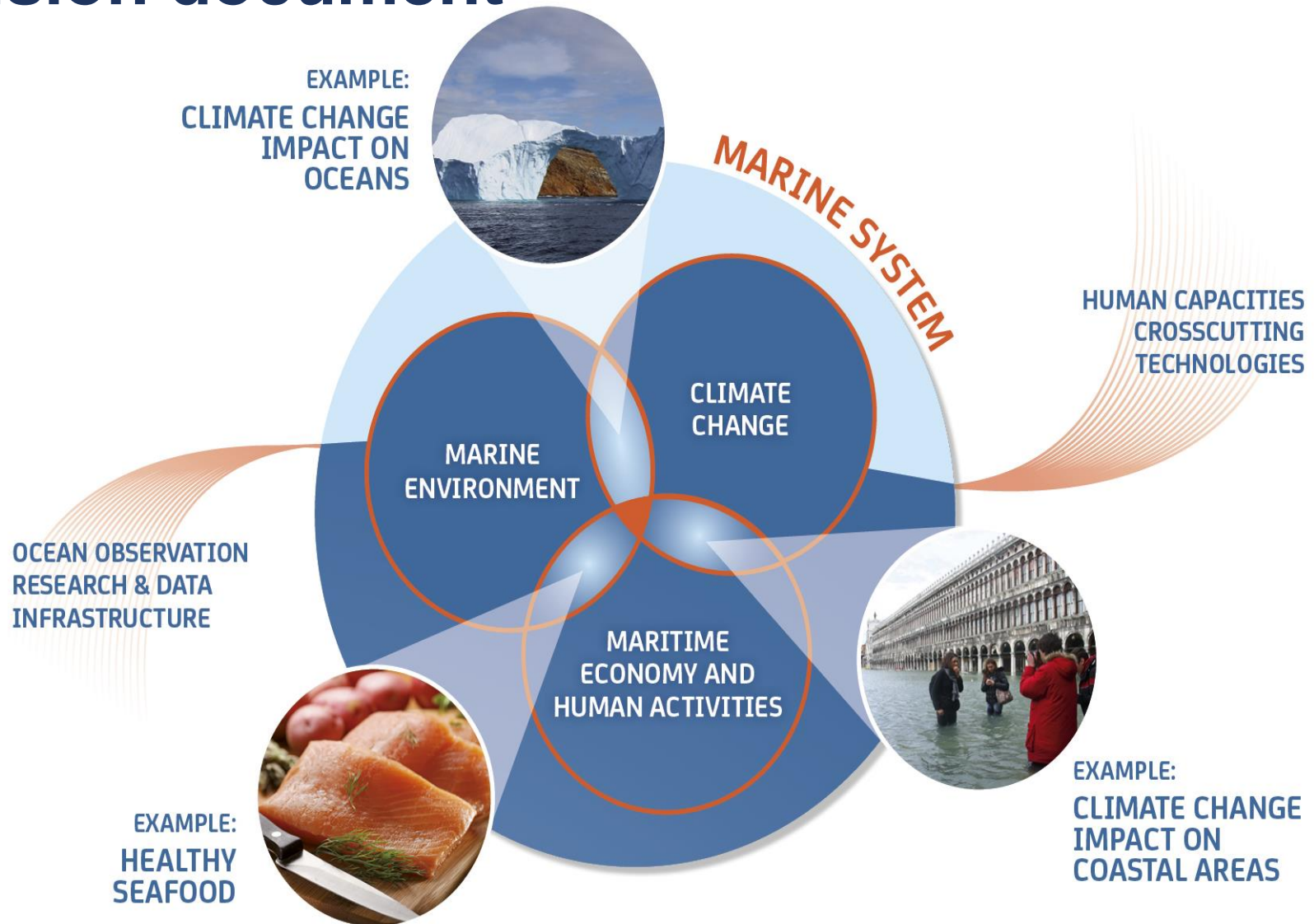
October 3rd 2016

Kathirne Angell-Hansen

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

**JPI  
OCEANS**

# Vision document



## 3 major goals:



**Optimise the response to climate change  
and its impacts**

**Good environmental status of the seas**



**Knowledge based maritime economy**



# JPI Oceans

- **High-level strategic process that exists, long-term integrated approach to marine and maritime research and technology development**
- Focused on solving the societal challenges of our seas and oceans that cannot be solved solely on the national level.
- Integrating platform across disciplines and sectors, open to all MS and AC with an interest in marine maritime research.
- Alignment through developing joint research programmes and other instruments, tools and initiatives.
- Actions take on the form of “fit for purpose solutions” involving users and producers of the research
- MarTERA is related to Strategic Area 2 on “Technology and Sensor Developments”.



# Ten strategic areas

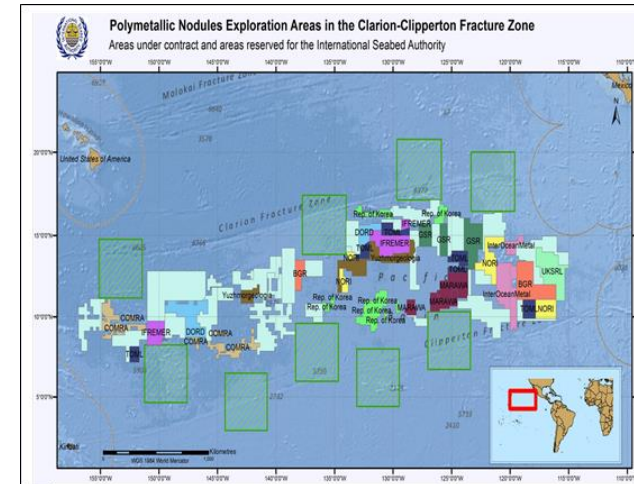
1. Exploring Deep Sea Resources
2. Technology and Sensor Developments
3. Science Support to Coastal and Maritime Planning and Management
4. Linking Oceans, Human Health and Wellbeing
5. Interdisciplinary Research for Good Environmental Status
6. Observing, Modelling and Predicting Oceans State and Processes
7. Climate Change Impact on Physical and Biological Ocean Processes
8. Effects of Ocean Acidification on Marine Ecosystems
9. Food Security and Safety Driving Innovation in a Changing World
10. Use of Marine Biological Resources through Development and Application of Biotechnology

## Examples of activities



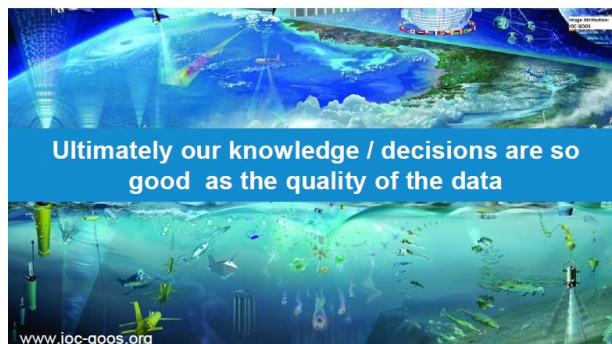
## Ecological aspects of marine Micro Plastics

## Multi-use of infrastructures

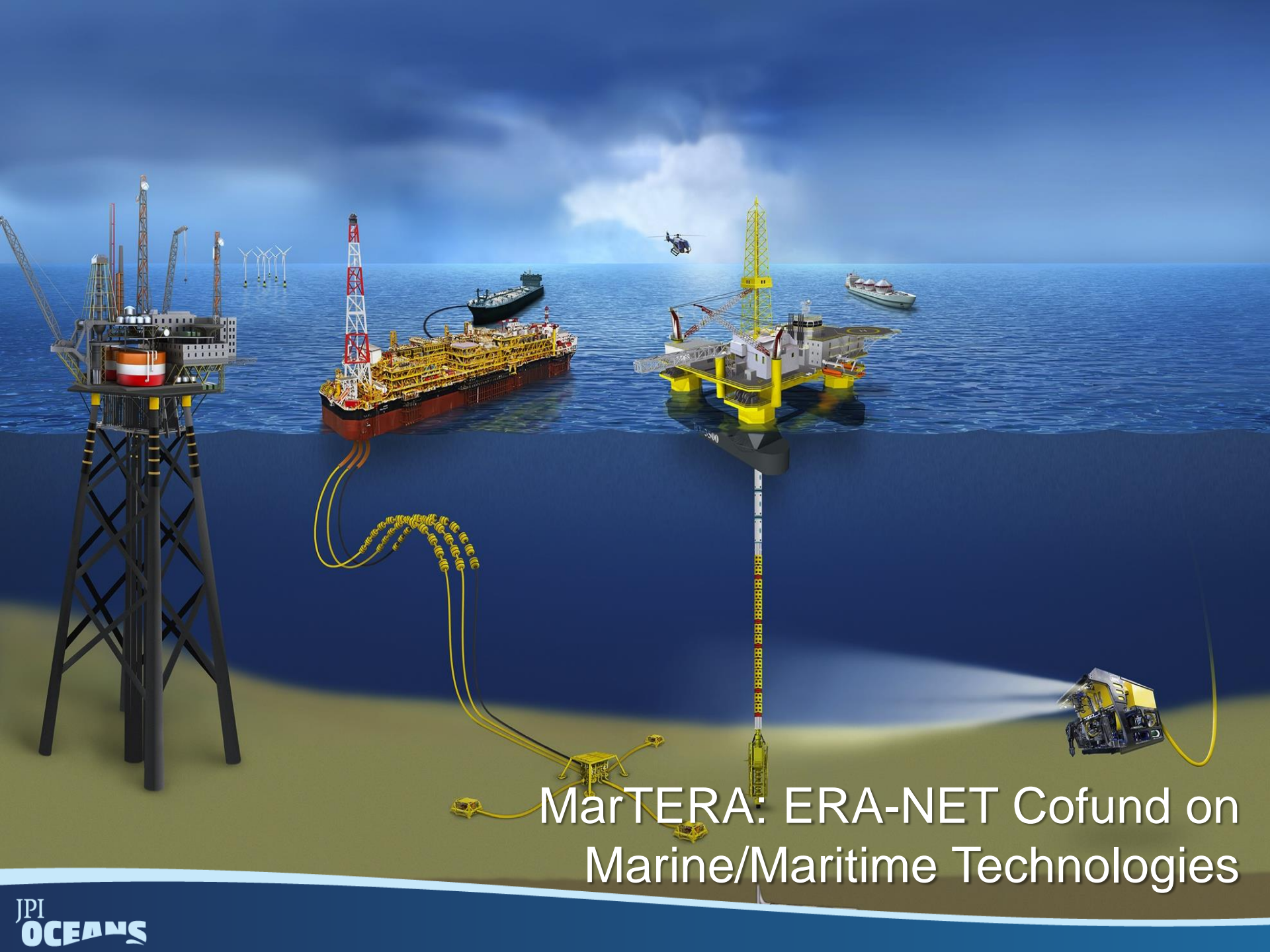


## EcoMining – Deep Sea

## Calibration Network



## Munition in the sea

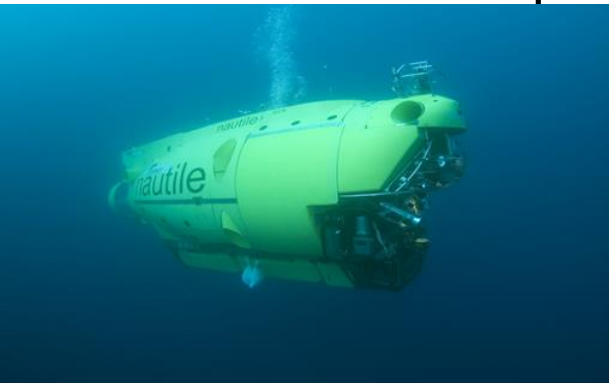


# MarTERA: ERA-NET Cofund on Marine/Maritime Technologies



# What is MarTERA

- An **ERA-NET cofund** - transnational **consortium of funding agencies** launch a **call for proposals**, expected in **Nov-Dec 2016**
- Expected **deadline** for submission of proposals: **Feb/Mar 2017**
- **Scope:** Five broad thematic areas: marine and maritime technologies
- Focus on **innovation** – industry participation mandatory in each project
- Partnership between **JPI Oceans** and **MARTEC II**





## MARTEC II (2011-2015)

- A network developing maritime technologies
- Coordinated by Jülich (DE)
- Norway participated through MAROFF



## ERA-NET Cofund Instrument

- **Implemented by the Member countries** as transnational call for proposal with EU co-funding (50%)
- In addition to the co-funded call **other joint activities** including other joint calls without EU co-funding

# H2020 BG-05-2016: ERA-NET Cofund on marine technologies

## Objectives and Impact expected by the Commission to funding agencies but also towards activities undertaken

- Support trans-national, pan-European **research networks and synergies**
- Adopt a **cross-cutting** approach in technology development so as to benefit multiple sectors/markets
- Pursue **innovation** as a means to tackle global challenges, such as the lack of strategic resources, while minimizing impact on the environment.
- Help implement the European strategy on **Key Enabling Technologies** (KETs), in particular with regards to advanced materials and manufacturing.
- Facilitate economies of scale and research investment efficiency by better aligning national/regional research programmes, in particular within the Joint Programming Initiative "Healthy and Productive Seas and Oceans".

## MarTERA Budget: 30 Mio. €

20 Mio. € from MS

10 Mio. € from EU

Available **budget** for Norwegian partners (through RCN and EU):  
Euro (48-64 mil. NOK)

### Priority Areas

1. Environmentally friendly maritime technologies
2. Development of novel materials and structures
3. Sensors, automation, monitoring and observations
4. Advanced manufacturing and production
5. Safety and Security

### Next Steps

Oct 2016: Finalising the Grant Agreement

Nov-Dec 2016: Launch of the co-funded call (est.)

Feb-Mar 2017: Deadline for submission of proposals (est.)

**Two-stage process**



## Partners: 17 Funding Agencies from 15 Countries

- Argentina
- Belgium
- Belarus
- France
- Germany
- Ireland
- Italy
- Malta
- The Netherlands
- Norway
- Poland
- Portugal
- Romania
- South Africa
- Spain
- Turkey
- The contributions are uneven
- The ranking list must be respected
- Part of the EU contribution will be used as “real pot” money
- Additional partners/countries can still join
- Some partners might fund only industry or only research institutes etc.
- At least **two partners from two countries** for each project.





## MarTERA practical information

- ***Will be a dedicated webpages***
- ***NB!!! [MarTERA.eu](http://MarTERA.eu) NOT OPERATIONAL YET***  
***info on jPI webpage with link***
- ***Bokerage event - time permitting?***
- **Consortium meets Friday this week**
- **Contactpoints**
  - **Anastasios Lekkas/JPI Oceans, Brussels**
  - **Kristin Thorud, RCN, Oslo**
  - **Filiz Azlan, Juelich, Berlin**





Thank you for your attention

**Address:** Rue du Trône 130, BE-1050 Brussels

**Website:** <http://www.jpi-oceans.eu> - <http://www.rcn.no>

**Twitter:** <https://twitter.com/jpioceans>

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