ERA-Net Cofund on Blue Bioeconomy

A joint effort by ERA-MBT/COFASP and JPI-Oceans

Kristin Thorud
The Research Council of Norway

The Research Council of Norway

COFASP ERA-net

JPI OCEANS

MarineBiotech

The initiators…

COFASP

An ERA-NET on Cooperation in Fisheries, Aquaculture and Seafood Processing (2013 – 2017)

Strengthen cooperation and synergies between major European funding agencies that support research on sustainable exploitation of marine renewable resources.

MBT

An ERA-NET on Marine Biotechnology (2013 – 2017)

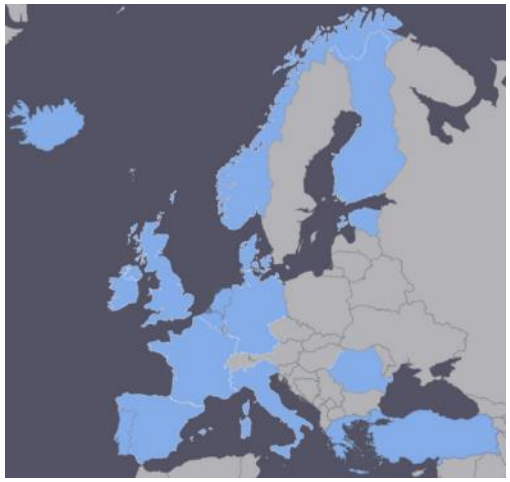
Be a strong driver for the development of the European bioeconomy

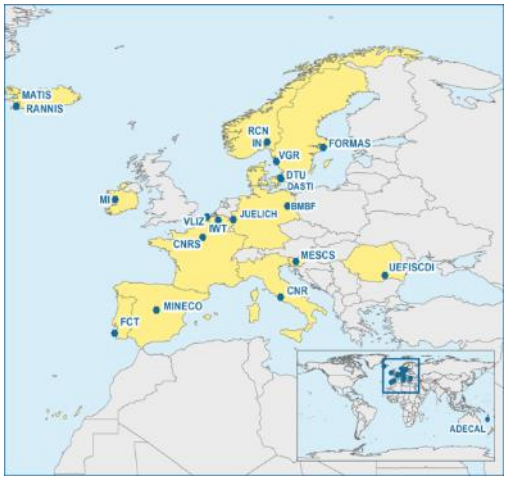
JPI Oceans

A Joint Programming Initiative for Healthy and Productive Seas and Oceans (2011 → …)

A coordinating and integrating strategic platform, open to all EU Member States and Associated Countries who invest in marine and maritime research, providing a long-term integrated approach to marine and maritime research and technology development in Europe.

Joined partnership networks…





COFASP
ERA-net

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JPI
OCEANS

Strategies…


Cooperation in Fisheries, Aquaculture and Seafood Processing
COFASP
Summary results
FORESIGHT ANALYSIS STUDY IN COF
November 2014
Cooperation in Fisheries, Aquaculture and Seafood Processing
SHARED RESEARCH INFRASTRUCTURES
Cooperation in Fisheries, Aquaculture and Seafood Processing
COFASP
STRATEGIC RESEARCH AGENDA
For Fisheries, Aquaculture and Seafood Processing
MARINE BIOTECHNOLOGY STRATEGIC RESEARCH AND INNOVATION ROADMAP
INSIGHTS TO THE FUTURE DIRECTION OF EUROPEAN MARINE BIOTECHNOLOGY
MarineBiotech
CSA OCEANS
JPI Oceans
A Foresight Process for JPI Oceans
A Final Recommendation
COFASP
Perspectives for the Fisheries, Aquaculture, Seafood processing in the EU – The COFASP Case Studies
ERA-MBT Foresight Report
JPI OCEANS
Strategic Research and Innovation Agenda 2015-2020

Building on knowledge outputs…

COFASP and MBT

- 3 joint call for proposals + 1 together
- Implementing joint activities for dissemination and up-take of research results
- Mapping of national research priorities
- A strategic research (and innovation) agenda
- Foresight activities
- Capacity building
- Mobility and training activities
- A database of funded national projects
- Mapping of existing infrastructures

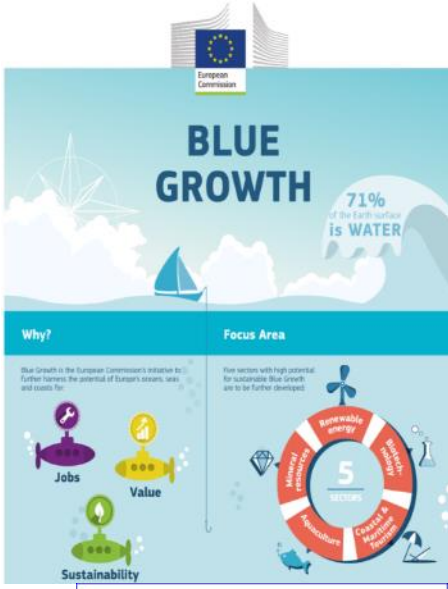
JPIO

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

In addition to the Strategic Areas, three cross-cutting issues have been identified where JPI Oceans can add value in the European landscape.

1. Science-Policy Interface
2. Human Capacity Building
3. Infrastructures

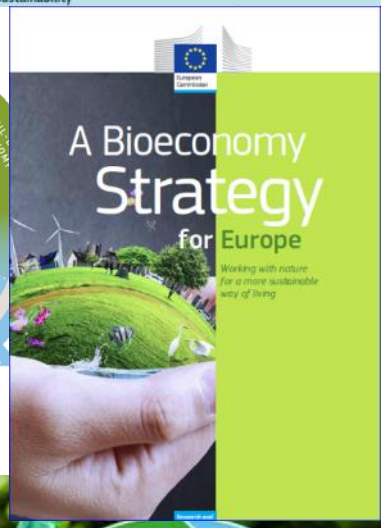
Relevance in policies and agendas



Taking EU relevant policies and agendas into account, such as:

- Common Fisheries Policy
- Marine Strategy Framework Directive
- Framework for Maritime Spatial planning

- Developing the European Research Area (ERA)
- Horizon2020
- Blue Growth strategy
- Bioeconomy strategy
- Circular Economy
- Food 2030
  - European Research and Innovation for Food and Nutrition Security

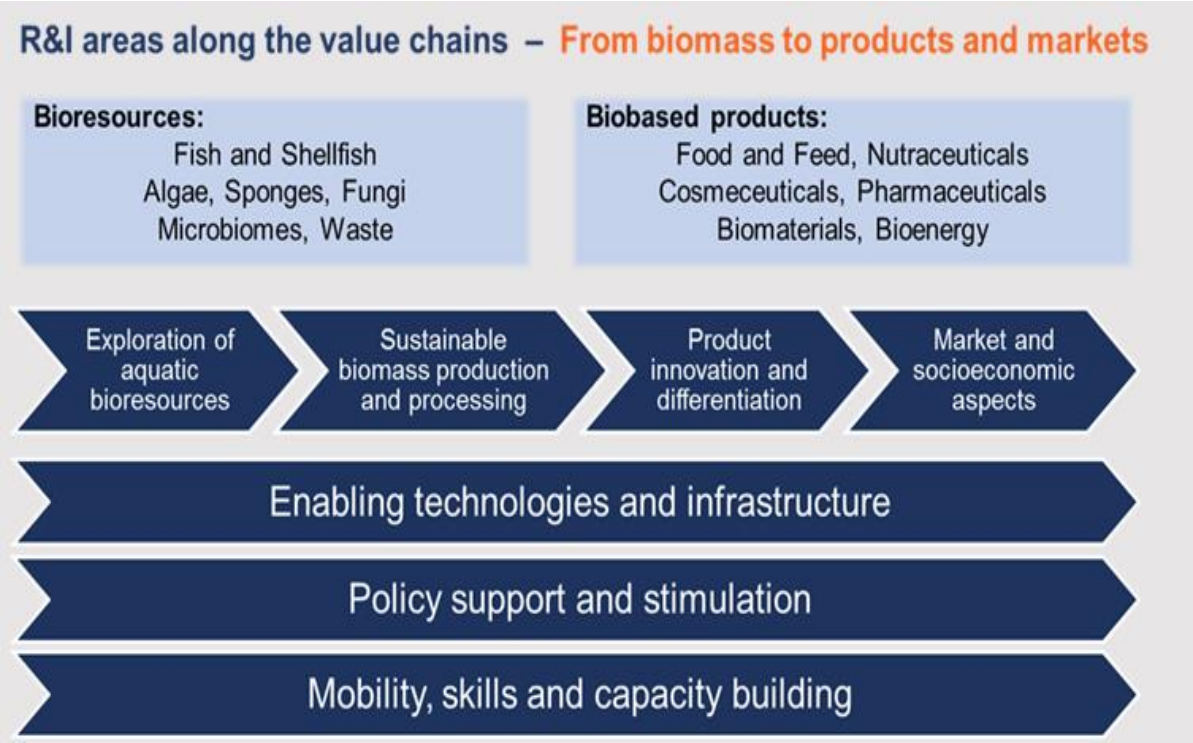


- OECD Ocean Economy in 2030

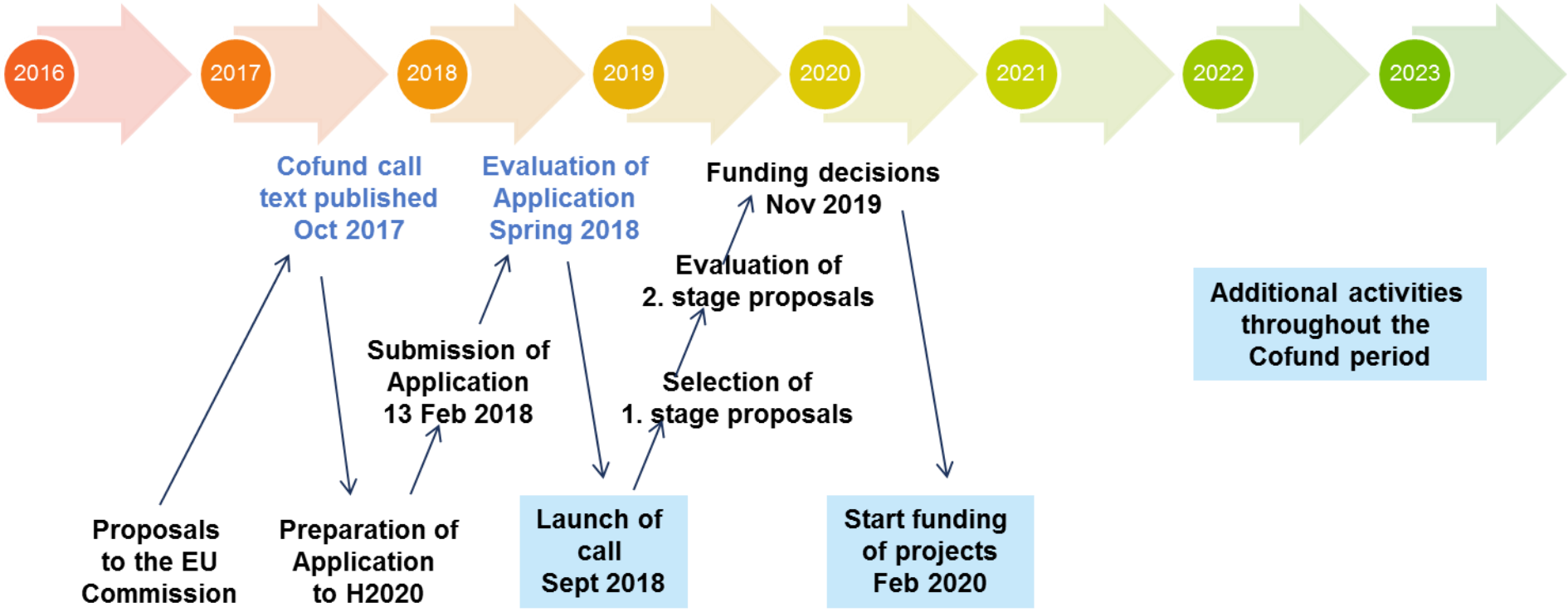
Scope

The cofund will address:

- New blue bioresources
- New use of traditional blue bioresources
- Improvement of existing value chains, incl. circular economy
- Cross-cutting and supportive issues



Timeline for a COFUND action



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Commitments….

16 Countries Participating
Croatia, Estonia, Finland, France, Germany, Greece, Iceland, Denmark, Ireland, Italy, Norway, Portugal, Romania, Spain, Sweden, Turkey

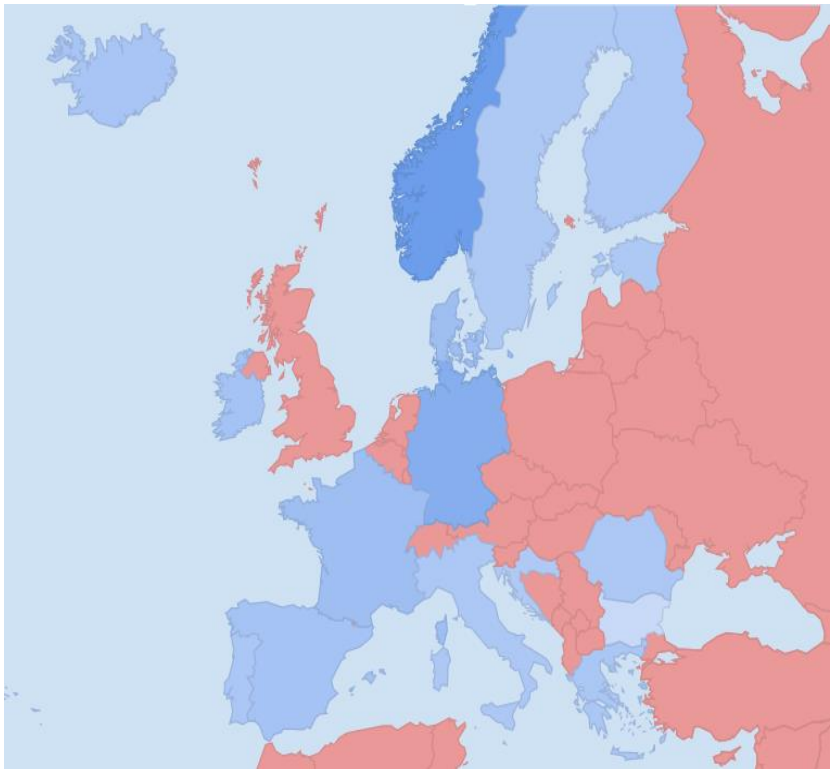
24 Partners

Current national commitment
€ 23,000,000 *approx.*

Expected EU Contribution
In the range of EUR 8 million

Missing: Bulgaria, Netherlands, Poland, United Kingdom

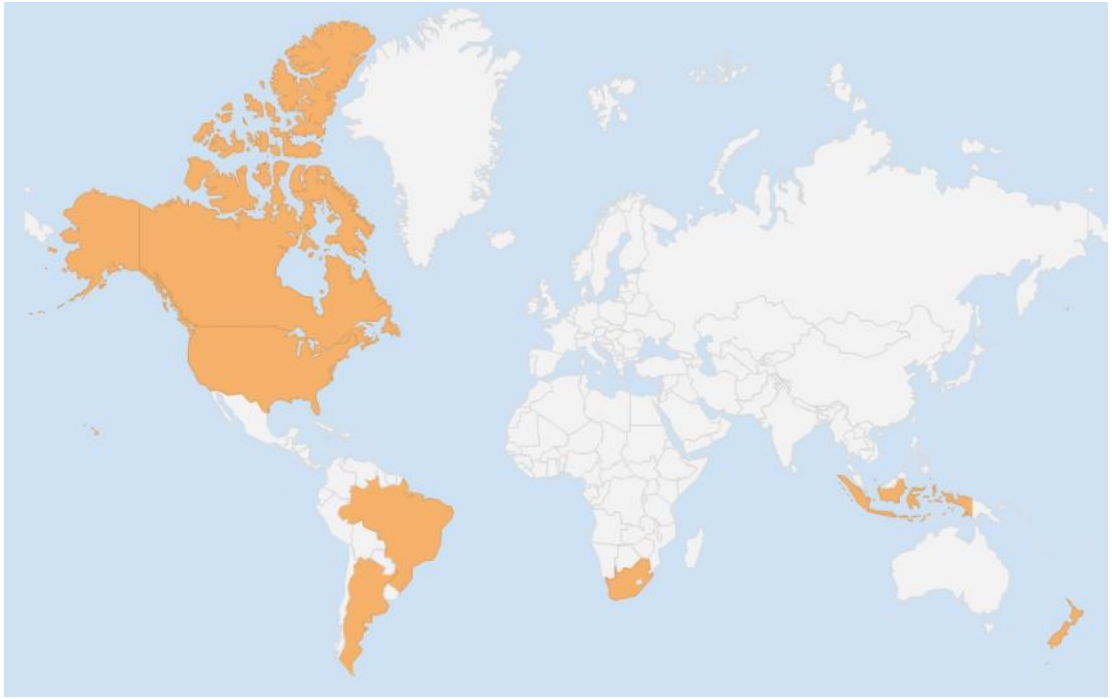
- Also approaching:
  - International partners
  - Marine regions in Europe
  - Interest organizations



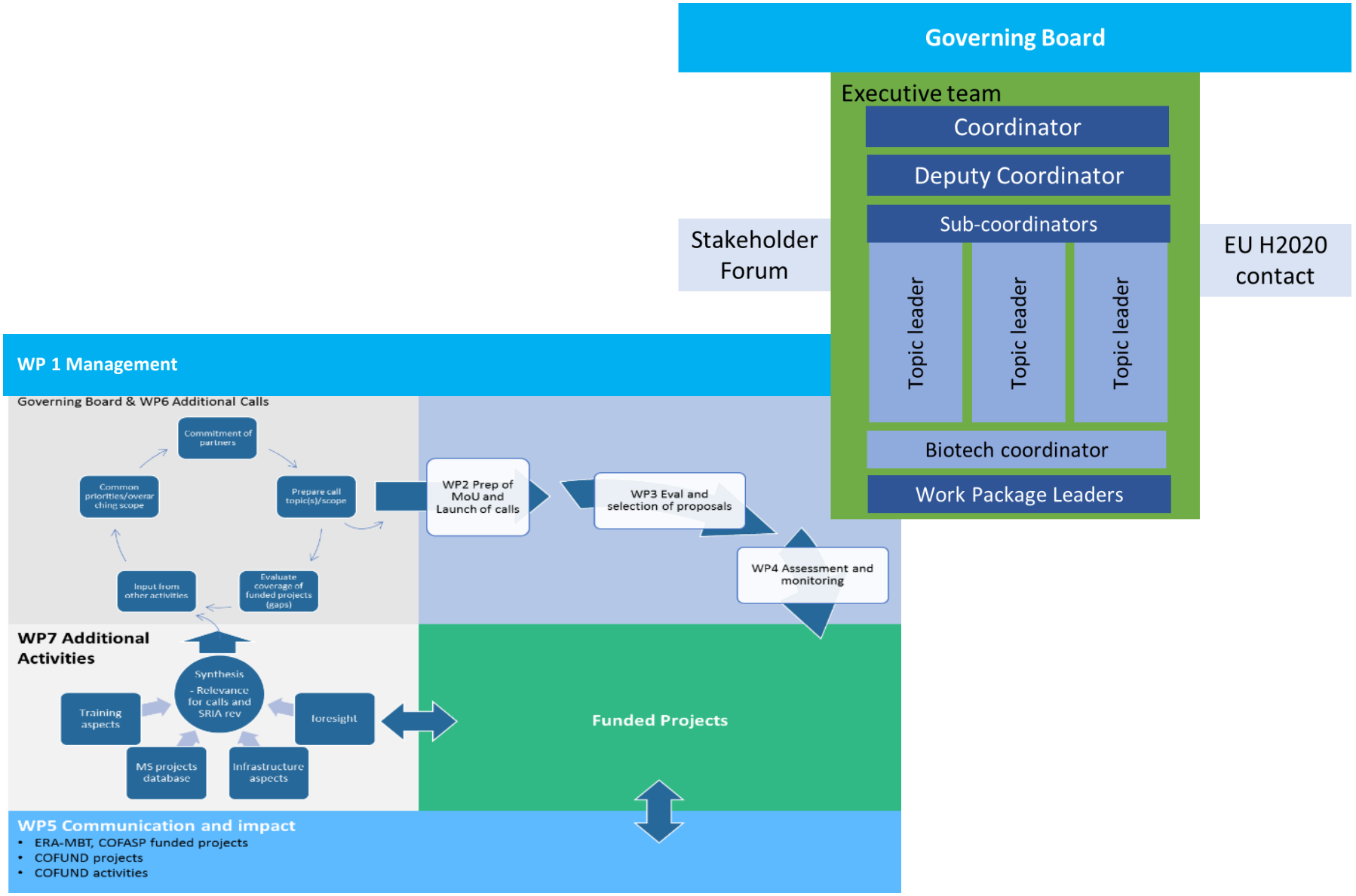
Potential International Participation

Countries approached or having expressed interest

- Argentina
- Brazil
- Canada
- Indonesia
- New Zealand
- South Africa
- USA



Management structure



Call Text Scope BG-02-2018

Activities shall address innovative, sustainable and climate-friendly possibilities to produce, harvest and exploit aquatic biomass from different trophic levels for use in food and other value chains.
Include in the projects **industry partners** that contribute a concrete and feasible business perspective.

The Cofund shall address research and innovation gaps such as achieving zero waste by optimising the use of underutilised and waste material from fisheries and aquaculture
apply biotechnology and ICT in the blue bioeconomy to develop smart, efficient, traceable food systems and other biomaterials
create synergies between aquaculture and fisheries (e.g. through genetic assessment)
unlock the potential of microbiomes in aquaculture, fisheries, food processing and biotechnology
create predictive tools to improve the identification, targeting and conservation of biodiversity “hot-spots” in the oceans (e.g. through omics-based technologies)
explore synergies with land-based production in areas such as food and feed processing, biorefining, bioenergy, biomaterials, chemicals and nutrients, and include waste streams from aquatic to terrestrial value chains
improve aquaculture and fisheries by using a combination of methods, processes and technologies such as biotechnology to create innovative feeds, improve brood stock, introduce new species, improve biosecurity, define stock baselines, and assess stocks.

Impact

- Implementation of **EU policies** and international initiatives
- Contribute to the UN **SDG 2** and **SDG 14**
- New **knowledge-intensive products and services** derived from aquatic biomass, fostering **job creation and economic growth** in Europe.
- Provide **consumers** with the knowledge needed to make informed decisions about safe, healthy and sustainable food and
- Provide **policy makers** with robust scientific advice.
- Increase the efficient and sustainable use of **by-products** generated from blue bioeconomy sectors.
- Contribute to improve the **professional skills and competences** of those working and being trained to work within the blue economy.
- Contribute to **policymaking** in research, innovation and technology.

Thank you !

Contacts: Kristin Thorud: ket@rcn.no
Tom Redd: tre@rcn.no

Next partner meeting in Brussel
December 19th