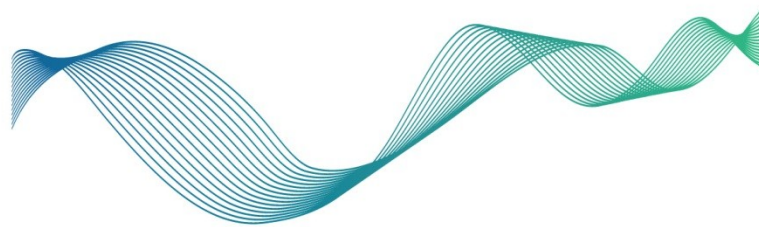


MarineBiotech



An ERA-NET Preparatory Action in Marine Biotechnology

Coordinator Steinar Bergseth



CSA (Coordinating) in Marine Biotechnology. MarineBiotech is funded under the European Commission's Seventh Framework Programme.
Contract number 289311. October 2011 - March 2013.

The presentation

1. About the CSA.
2. Who are here and what is your role in the CSA and in the ERA-NET?
3. From CSA-MARINEBIOTECH to ERA-NET "MBt".
4. What is Marine Biotechnology in the European Research Area (ERA)?
5. The call and how to fill it, and the ERA-NET through WPs.
6. The agenda for WS2.



Aim

- Mobilisation of **funding agencies** and **key stakeholders** within marine biotechnology.
- Gaining a better understanding of the marine biotechnology landscape in Europe and beyond.
- Informing a targeted audience about marine biotechnology RTDI.
- Sketching the contours of future **cooperation between funding agencies** in the area of marine biotechnology.
- Developing a vision of strategic marine biotechnology RTDI that is shared by the interested funding agencies and stakeholders.

Duration

October 2011 – March 2013 (18 months)

Coordinator & Manager

Steinar Bergseth, RCN (Norway) & Meredith Lloyd-Evans, BioBridge Ltd. (UK)

Budget

1 Mio €



CSA MarineBiotech Partners



Belgium - Flanders Marine Institute (VLIZ)
- Marine Board - ESF

Denmark - Technical University of Denmark (DTU)

France - Centre National de la Recherche Scientifique Roscoff (CNRS)
- French Institute for Exploration of the Sea (IFREMER)

Germany - North Germany Life Science Agency (Norgenta)

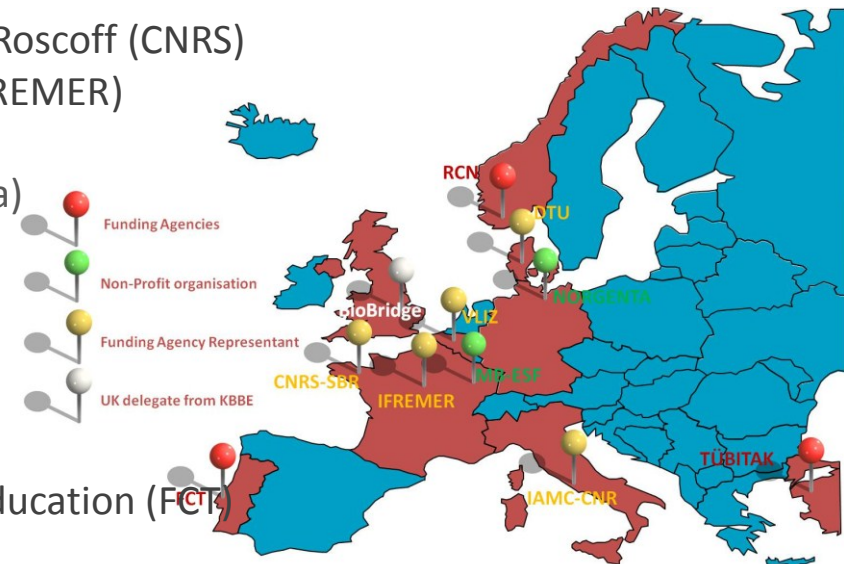
Italy - National Research Council (CNR)

Norway - Research Council Norway (RCN)

Portugal - Ministry of Science, Technology and Higher education (FCT)

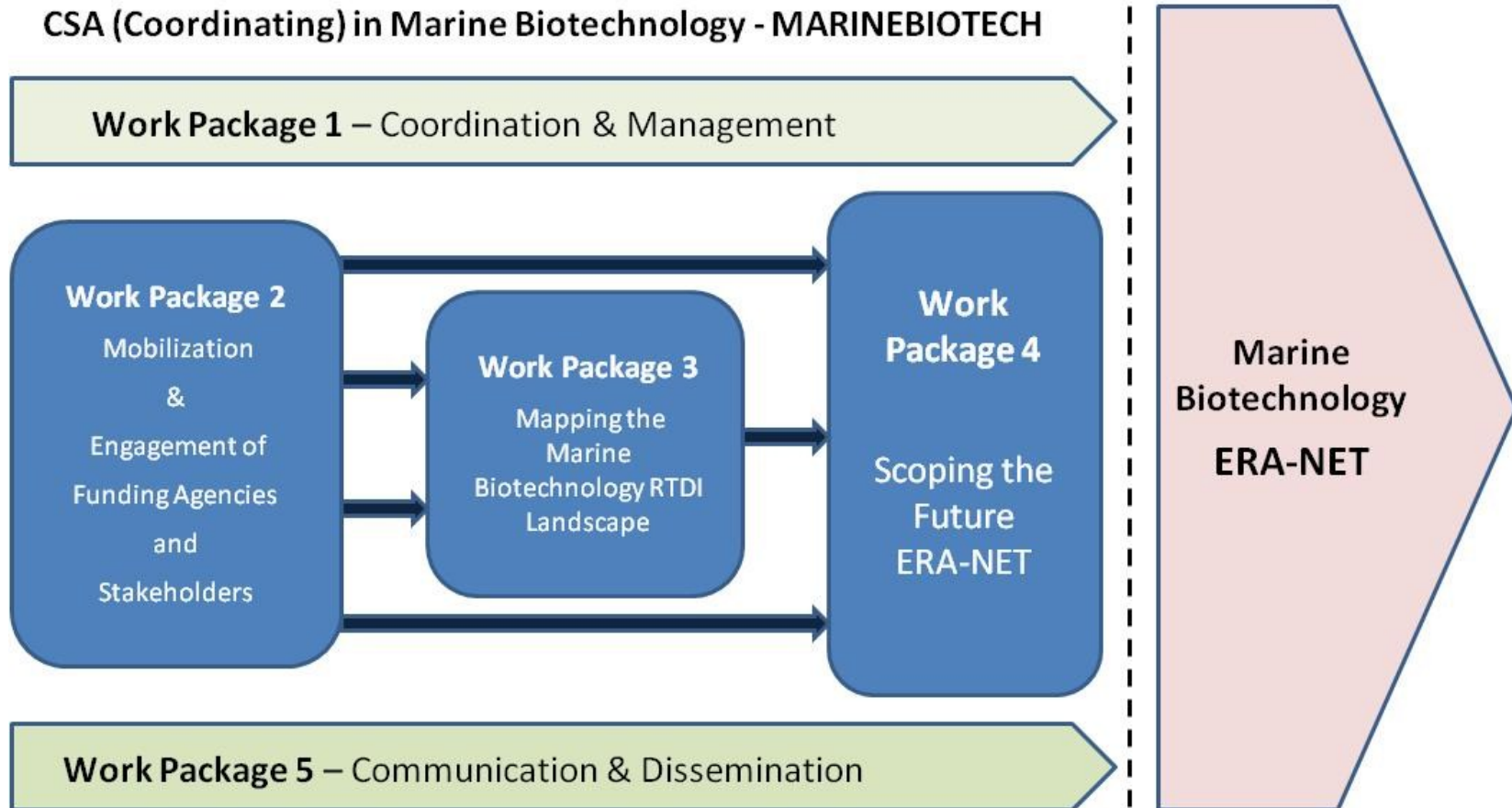
Turkey - The Scientific and Technological Research Council of Turkey (TÜBİTAK)

UK - Biobridge Ltd.

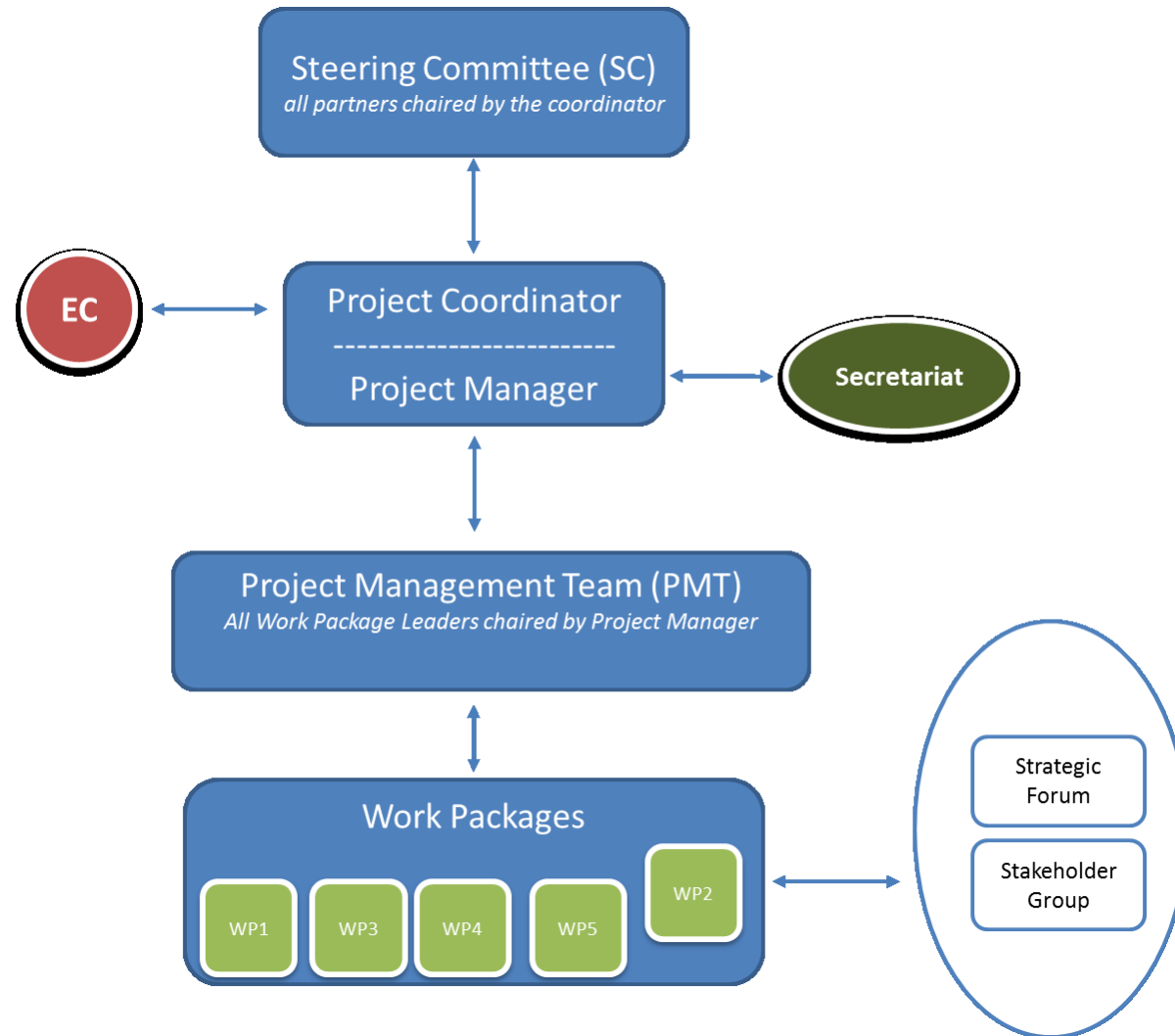


CSA MarineBiotech

Project Structure



Structure



Marine biotechnology contributes to:



Fulfill the Europa 2020 Strategy

Realize:

The EU Bioeconomy strategy:

«Innovating for Sustainable growth: *A bioeconomy for Europe*»

OECD: «*The Bioeconomy to 2030 - designing a policy agenda*»



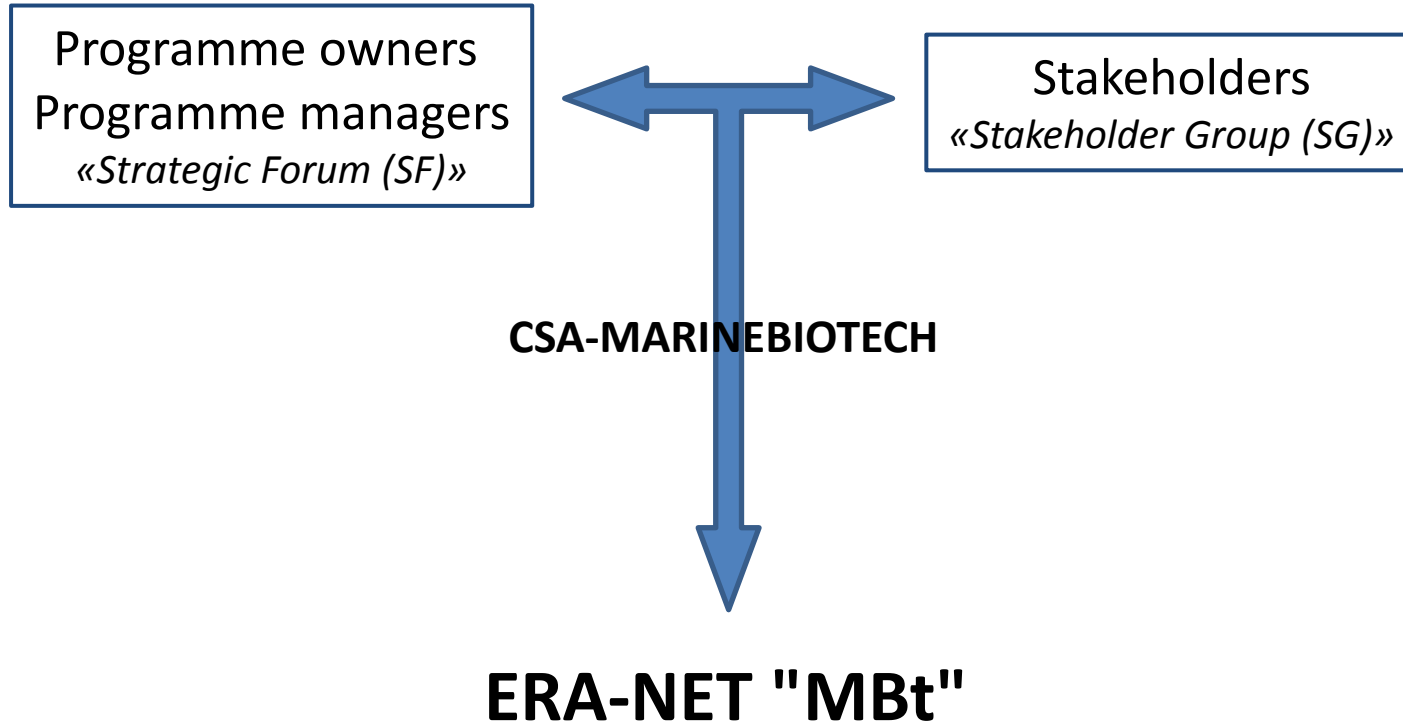
Address the grand challenges of the 21st century

- the protection and management of the marine environment
- securing human health and well-being
- sustainable alternative sources of energy
- sustainable supply of high quality and healthy food
- industrial products and processes



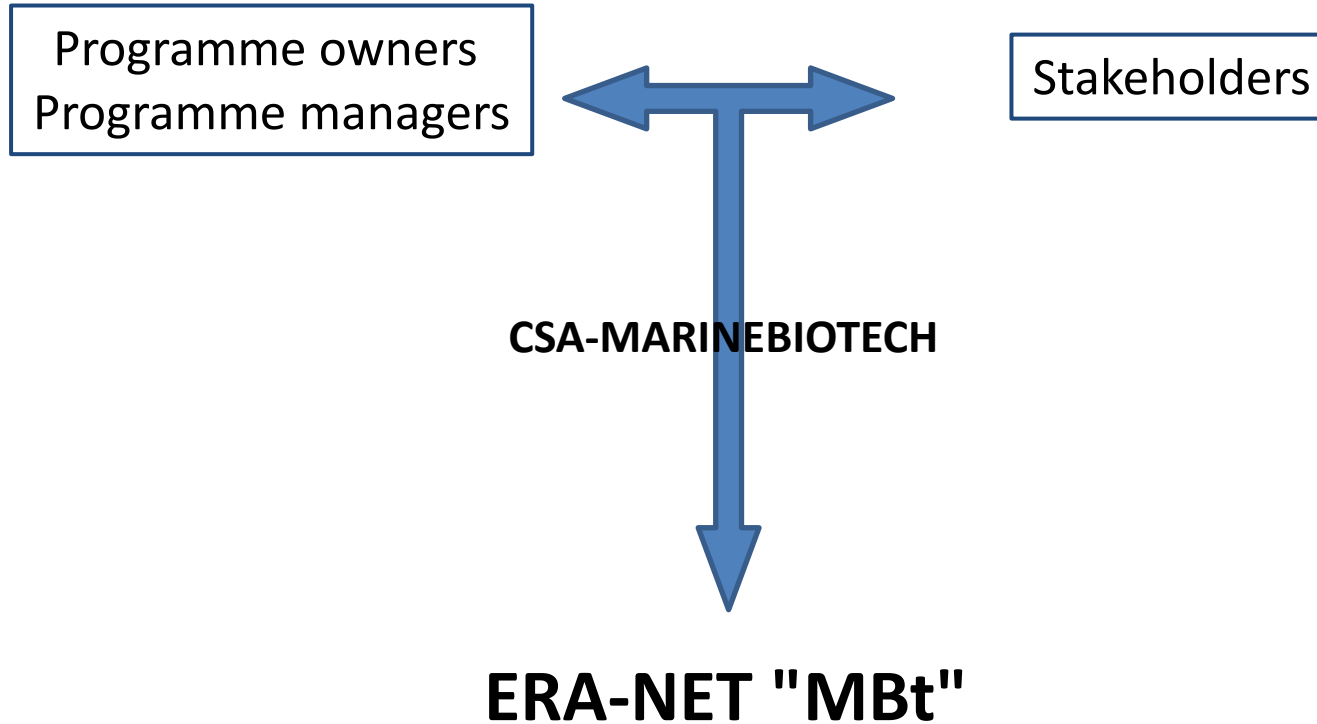
CSA → ERA-NET

Roles and changes



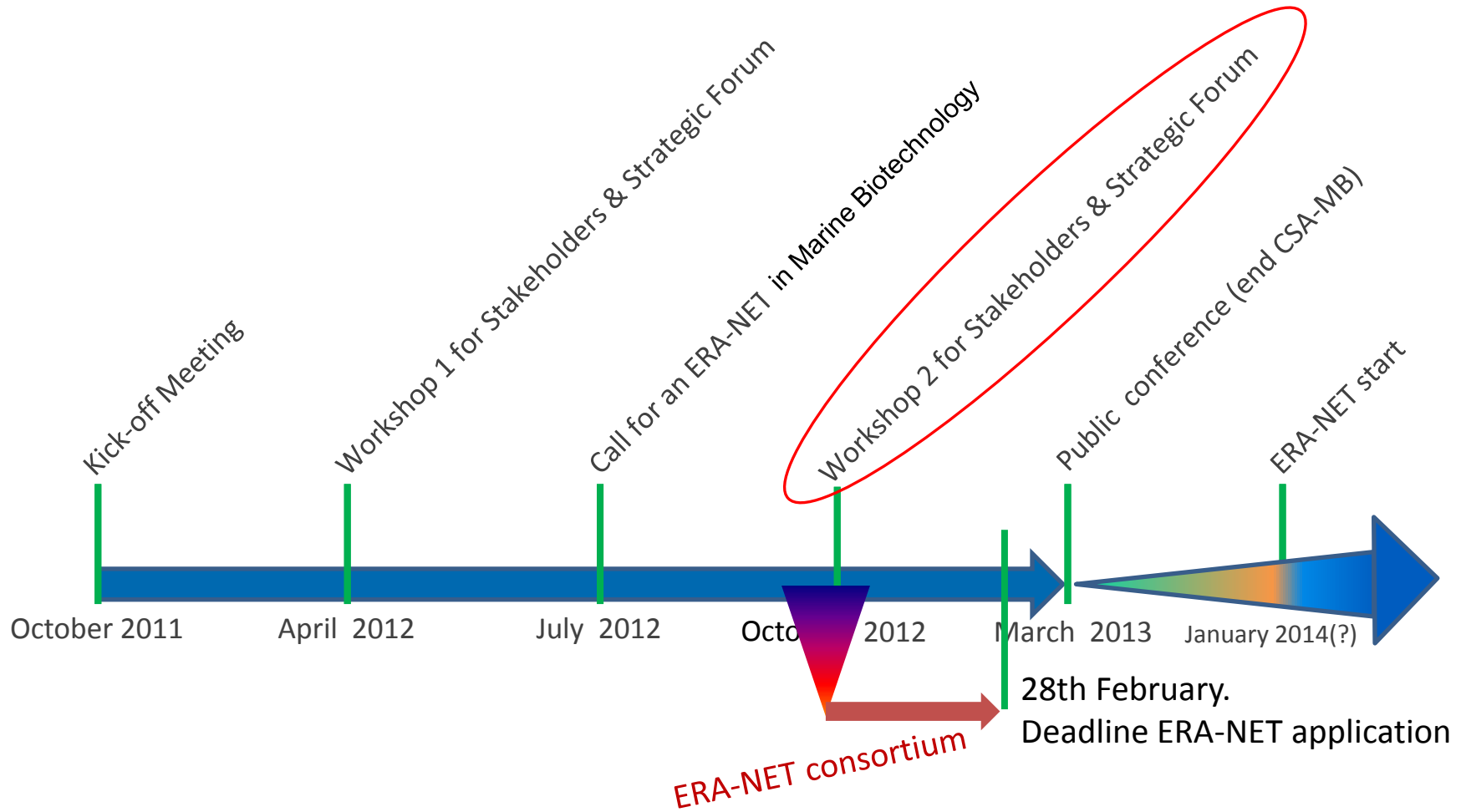
CSA → ERA-NET

Roles and changes



CSA MarineBiotech → ERA-NET “MBt”

Time schedule



ERA-NET consortium?

Country	Organization	1st ERA consortium meeting (Teleconf Sept. 20th)	2nd ERA-consortium meeting (WS2 Oct)
Belgium	VLIZ		X
Denmark	DTU/DASTI	X	X
France	ANR/CNRS/IFREMER	X	X
Germany	PTJ/BMWI		X
Iceland	RANNIS/Matis	X	X
Ireland	MI	X	X
Italy	IAMC-CNR	X	X
Norway	RCN	X	X
Portugal	FCT	X	X
Romania	UEFISCDI	X	-
Slovenia	MIZKS	X	X
Spain	MINECO	X	X
Sweden	FORMAS	X	X

Marine biotechnology

Marine biotechnology explores and uses marine bioresources as the target for or origin of biotechnology applications.



Why an ERA-NET in Marine Biotechnology?



Current initiatives relevant to marine biotechnology do not have the objectives to move the cutting edge of marine biotechnology significantly forward.

An ERA-NET in Marine Biotechnology should:

- Strengthen the availability and development of biotechnology tools and knowledge in cooperation with relevant activities and industries.
- Identify and actively stimulate marine biotech R&D in areas not covered by other activities.

To efficiently deliver the enabling technology, the ERA-NET will have to adapt to the complex and dynamic landscape of the European Research Area (ERA).

Cooperate – Proactive – Value chains



- Develop and strengthen the **coordination of national and regional RTDI programmes**.
- **Reduce fragmentation and duplication** and pave the way for common programmes and cooperation.
- Efficient use of national and regional funding by **developing joint transnational calls** and avoiding double funding.
- Provide a framework for actors implementing public research programmes to coordinate their activities.
- Participants in ERA-NET actions are programme ‘owners’ or programme ‘managers’.
- Progress towards the vision of a European Research Area (ERA).



KBBE.2013.3.2-01: Marine biotechnology ERA-NET

Call: FP7-ERANET-2013-RTD

Cooperation between European research funding bodies in the area of Marine Biotechnology started in FP7 under the umbrella of the KBBE-NET high-level group and continues within the ERA-NET Preparatory Action which is providing a successful forum for the exchange of information, and has initiated the process of identifying complementarities between the research funding bodies, thus creating a basis for developing future joint, transnational calls. The proposed network of European research funding bodies in the area of Marine biotechnology will thus build upon these previous initiatives and will capitalise on its achievement, such as, the analysis of the current landscape in Europe and beyond, the mobilisation of key stakeholders as well as the set up of **initial cooperation** tools to **develop joint programmes and pool resources** for collaborative research at European scale. The overall aim of this ERA-NET is to **further increase the level of coordination between European research funding bodies** in the area of Marine Biotechnology, **seeking complementarities between national activities** and pooling resources to undertake joint funding of transnational projects. Research collaborations should serve to tackle **scientific and industrial challenges** to establish Europe as a world leader in strategically-important areas of marine biotechnology and to **better integrate and rationalise existing infrastructures and databases**. These collaborations **will address the important role of marine biotechnology for the development of related industries**. The network should seek to **expand the previous ERA-NET preparatory action membership to include new funding bodies from other Member States and Associated Countries**. In setting priorities for the network's activities it is important that **complementarity with other FP7 initiatives** is sought and that **interactions are established with related ERA-NETs and ETPs across the marine and relevant sectors**. It is expected that **the opportunity for future global initiatives in the area of marine biotechnology will also be analysed**.

Funding scheme: Coordination and Support Action (coordinating action).

Eligibility and evaluation criteria: please refer to Annex 4 of the Cooperation Work

Programme including the Call Fiche "FP7-ERANET-2013-RTD". FP7 Cooperation Work Programme: Food, Agriculture and Fisheries, and Biotechnologies Page 62 of 94

Expected impact: The project supported under this topic should lead to a greater integration of research actors and activities from across the enlarged European Union, and the candidate countries. It is expected that the proposal will **consolidate the basis for further coordination efforts in the area of Marine Biotechnology; seek for complementarities between national activities, and start pooling resources for funding and implementing future research activities in a synergistic manner**.

Ultimately, the cooperation should lead to a self-sustainable and long lasting network of programme managers in the area of marine biotechnology, **enabling the translation of information gained from innovative fundamental research into social, environmental, geographical and economic benefits**. The European added value lies in supporting and enhancing the ERA in the field of marine biotechnology.



Starting point after teleconference September 20th



WP1– Coordination

T: Administration (legal, budgets, practical).

T: Expand the participation of funding bodies from member states and associated countries.

T: International relations.

T: Establish a self-sustainable network of programme managers.

T: Strategic development of the marine biotech ERA-NET.

WP2 – Integration with other activities

T: Establish dialogues with external FP7 and coming “Horizon 2020” initiatives to identify common interests.

T: Establish dialogues with regional policy fora / institutions to identify common interests.

WP3 – Interaction with industry

T: Dialogues with relevant stakeholder groups in industry, organisations & industry – academy networks to identify needs and gaps. Is there a basis for calls including industry?

T: Dialogue with venture capital on the availability of risk capital for innovations within Marine Biotech.

T: Utilisation of biodiversity. CBD and jurisdictions... (IPR issues...)



WP4- Calls

- T: Explore possibilities of joint calls with other ERA-NETs
- T: Based on deliveries from CSA-MB, identify the basis for common activities.
- T: Integrate infrastructures and databases in common activities.
- T: Common calls (2x: Autumn 2014 & spring 2016).



WP5 – Knowledge building

- T: Summer schools
- T: Interactions with PLATFORM / ERA-LEARN ...
- T: Marine biotechnology & ELSA

WP6 – Information management, communication and dissemination

- T: To develop the ERA-NET communication and dissemination strategy
- T: To coordinate the dissemination activities of all WPs
- T: To produce dissemination material and to organise relevant events
- T: To maintain and further develop website and extranet as information exchange tool

WP7 – Develop a Strategic Research Agenda in MB

- T: Meet the 'Grand Challenges' for the 21st century, and the development of greener, smarter economies that are central components of the Europe 2020 Strategy.
- T: Conferences with policy makers and stakeholders.
- T: Develop a strategic document on Marine Biotechnology and roles in the Bioeconomy



**Workshop 2: Mobilisation and Engagement of
Funding Agencies and Stakeholders**

Venue: Radisson Blu, Hamburg, Germany

8th – 9th October 2012

Agenda

Monday, October 8th

11:30 Registration

12:00 Welcome Lunch

13:00 Welcome and Opening
Hinrich Habeck (Norgenta, Germany)

Session 1: CSA MarineBiotech project and marine biotech landscape in Europe – a brief update
Chair: Imke Schneemann (Norgenta, Germany) and Cristiana Leandro (FCT, Portugal)

13:20 CSA MarineBiotech – an update
Steinar Bergseth (RCN, Norway)

13:50 Mapping the Marine Biotechnology RTDI Landscape – an update
Jan-Bart Calewaert (ESF-MB, Belgium), Meredith Lloyd-Evans (BioBridge, UK)

14:20 Integrated Marine Information System IMIS & Wiki
Fien De Raedemaeker (VLIZ; Belgium)

14:40 New European marine biotechnology initiatives in Europe:
MarineKIC Jan-Stefan Fritz (German Marine Research Consortium, Belgium)
ERA PLATFORM (Christine Bunthof, Netherlands)

15:40 Coffee break

**16:00 Marine Biotechnology: new Opportunities for Europe through the MB ERA-net and
EMBRC** Adrianna Ianora (Stazione Zoologica Anton Dohrn, Italy)



Session 2: Scoping the ERA-NET in marine biotechnology

Chair: Katrine Rese Shadidi (RCN, Norway)

16:45 **Open discussion: Scope of the ERA-NET in marine biotechnology**

18:00 - **Strategic Forum: Preparation for Day 2 based on open session**

19:00 Chair: Cristiana Leandro (FCT, Portugal)

Stakeholder Group: Preparation for Day 2 based on open session

Chair: Catherine Boyen (CNRS-Roscoff, France)

20:00 **Working Dinner**

Alsterlounge (An der Alster 47)



Tuesday, October 9th



9:00 **Summary of day 1 discussions**
Katrine Rese Shadidi (RCN, Norway)

Session 3: Active Session

09:15 **Parallel round table**

(1) 09:15 – 10:45 Strategic Forum:

Active work session on structure & content of ERA-NET.

Chair: Katrine Rese Shadidi (RCN, Norway)

10:45 – 11:45

ERA-NET consortium:

Voting for coordinator: Chair Meredith Loyds-Evans

Funding agencies actively engaging in the application process meet to structure a work plan.

Chair: Elected coordinator of the ERA-NET

(2) Stakeholder Group: What do we need from an ERA-NET in MB?

Chair: Catherine Boyen (CNRS-Roscoff, France)

10:45 **Coffee break**

12:15 **Wrap-up of the 2st workshop, follow up and closure of the meeting**

Chair: Steinar Bergseth (RCN, Norway) and Meredith Lloyd-Evans (BioBridge, UK)

12:30 **Lunch**

13:30 - **Visit the European ScreeningPort**

15:30 Host: Mira Grättinger (ESP, Germany)



Thank you!



Workshop 2

- Hamburg 8th – 9th October.
- Invitation to be sent Stakeholders (SG) and Funding agencies (SF) first week of September.
- Agenda will include:
 - Info from the CSA and ERA-NET preparations.
 - Presentations from relevant activities in the ERA.
 - Open dialogues on the ERA-NET (structure, content, priorities).
 - Stakeholder Group and Strategic Forum dialogues and recommendations.

