



ALL-ATLANTIC OCEAN
RESEARCH ALLIANCE

Creating an Atlantic Ocean Community
by Implementing the Galway
and Belém Statements



BUILDING AN ALL ATLANTIC
OCEAN COMMUNITY
Implementing the Belém Statement

BIOTECMAR: A JOINT MARINE BIOTECHNOLOGY INITIATIVE FOR THE ATLANTIC

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AIM

The **Joint Marine Biotechnology Initiative for the Atlantic** aims to foster collaborations across governments, academic, and private sectors in the field of Marine Biotechnology. It also aims to create mechanisms of technology transfer and promote the development of new marine biotechnology companies at the Atlantic Ocean level. It will achieve these aims through a systemic approach, including i. mechanisms to promote networking and engagement of the partners, ii. technology transfer and R&I sharing, and iii. capacity building and ocean leaders development.

WHY IS THIS JOINT PILOT ACTION NEEDED

Marine biotechnology is the industrial, medical, or environmental application of biological resources from the sea. In countries with high endemic marine biodiversity, there is an untapped potential of use of such resources into new technologies, which are simultaneously innovative and sustainable solutions. Collaborative research and development within and across the Atlantic is essential to deploy such potential of marine biodiversity into new products and services to the market, in a wide array of fields - from the production of biofuels, food, feedstuffs to the discovery of new biomaterials, cosmetics, pharmaceuticals products.

COUNTRIES ALREADY INVOLVED

Argentina, Brazil, Cabo Verde, Denmark, Egypt, Germany, Belgium, Ireland, Kenya, Morocco, Norway, Portugal, South Africa, Spain, United States of America

It is expected to have additional participation of countries from all over the Atlantic Ocean



ACTIVITIES



SYNERGIES WITH EXISTING INITIATIVES

The **Joint Marine Biotechnology Initiative for the Atlantic** will join forces, promote efficient cooperation and maximise impact by bringing together organisations and projects having experience and an interest in the marine biotechnology area at the Atlantic Ocean level, including the All-Atlantic Ocean Research Alliance related projects.



AANCHOR is a Coordination & Support Action project aimed to support the implementation of the Belém Statement. It has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 818395.

CONTRIBUTION TO THE ALL-ATLANTIC OCEAN RESEARCH ALLIANCE AMBITION

In a co-creating process at the Atlantic Ocean level, the Joint Marine Biotechnology Initiative for the Atlantic will contribute to the All-Atlantic Ocean Research Alliance ambition through the development of new and emerging technologies intended to improve human health. It will also promote the sustainable use of marine resources through marine biotechnology, and advanced technologies in aquaculture, food production, fisheries management, and environmental monitoring. It will also encourage new models for cooperation on a coordination and partnership-based approach to tackle scientific and societal challenges of the Atlantic Ocean.

The Joint Marine Biotechnology Initiative for the Atlantic, will undoubtedly benefit the following key common areas of interest under the All-Atlantic Ocean Research Alliance:

-  **Climate variability and ecosystem approaches**
-  **Ocean observation, forecasting, and monitoring processes and systems**
-  **Food security, fisheries management, aquaculture, and biodiversity**
-  **Oceans technology**
-  **Effects of emerging pollutants**
-  **Polar research**



EXPECTED IMPACTS

Through networking and a co-design process, **the Joint Marine Biotechnology Initiative for the Atlantic** will improve the sustainable use of Atlantic Ocean biodiversity resources.

It is expected to create the following major impacts:

- Enhance innovation and business opportunities for the entire Atlantic;
- Improve monitoring systems;
- Improve marine production (aquaculture) systems;
- Improve capacity building in the marine biotechnology area.



EXPECTED OUTCOMES

Short-term outcomes:

- Three All-Atlantic workshops ;
- A training course;
- A roadmap and action plan to build the Joint Marine Biotechnology Initiative for the Atlantic.

Long-term outcome:

Implementation of the Joint Marine Biotechnology Initiative for the Atlantic,

WHO CAN BE INVOLVED?

Stakeholders engagement will ensure the success of the Joint Pilot Action

Researchers, entrepreneurs, private sector, investors, legislators, governmental bodies (local, regional, national and international level), Ministries, Research Foundations.