



EMBRC
EUROPEAN
MARINE
BIOLOGICAL
RESOURCE
CENTRE

European Marine Biological Resource Centre

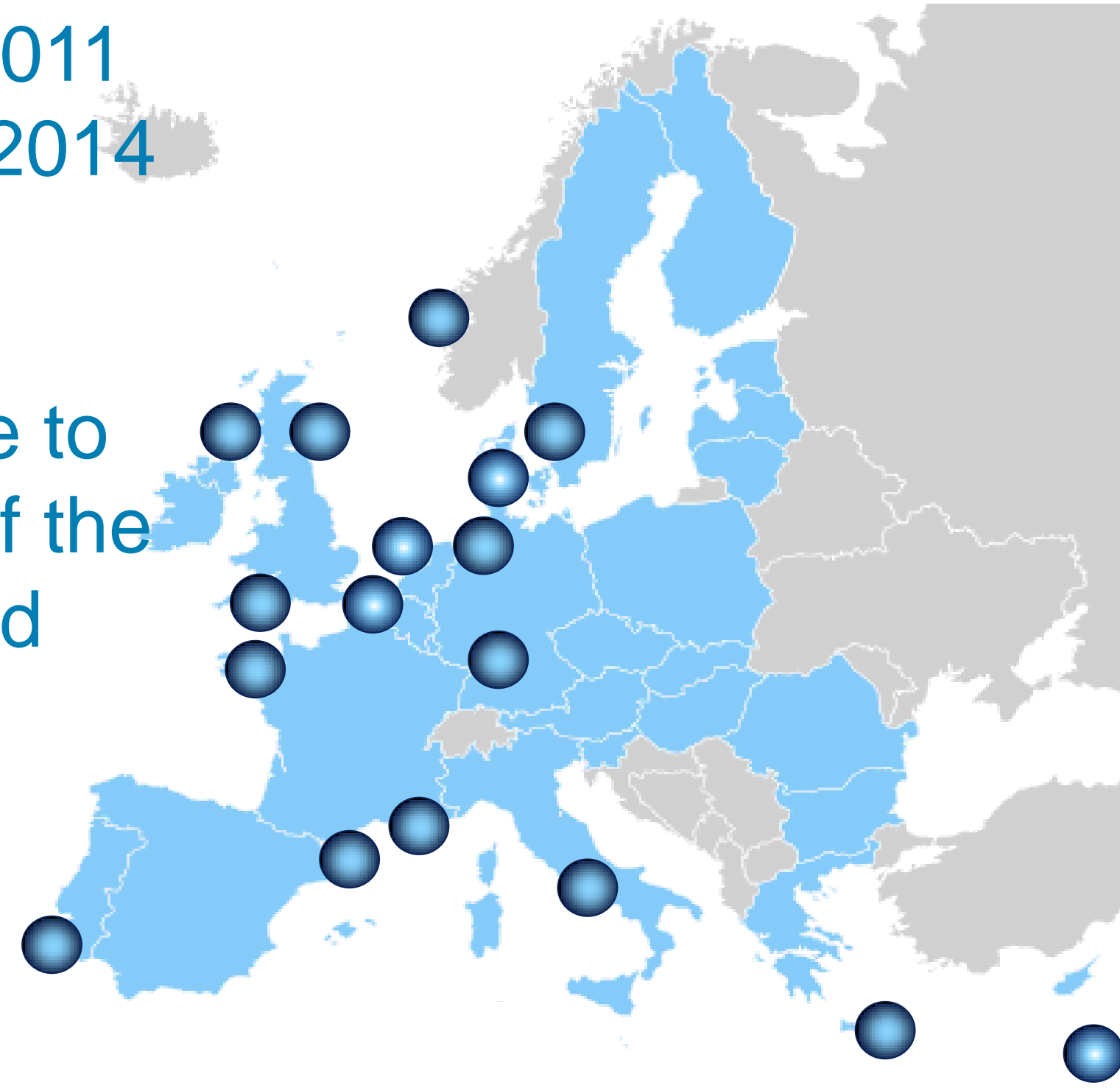
Preamble

Marine biodiversity constitutes an under-used resource within the European Research Area. Yet, marine organisms are becoming important for RTD and innovation in the life sciences as biological models and as source of innovative products and services with applications across society.

EMBRC will be a distributed ESFRI Research Infrastructure (RI) of marine and molecular biological institutes, giving access to this resource.

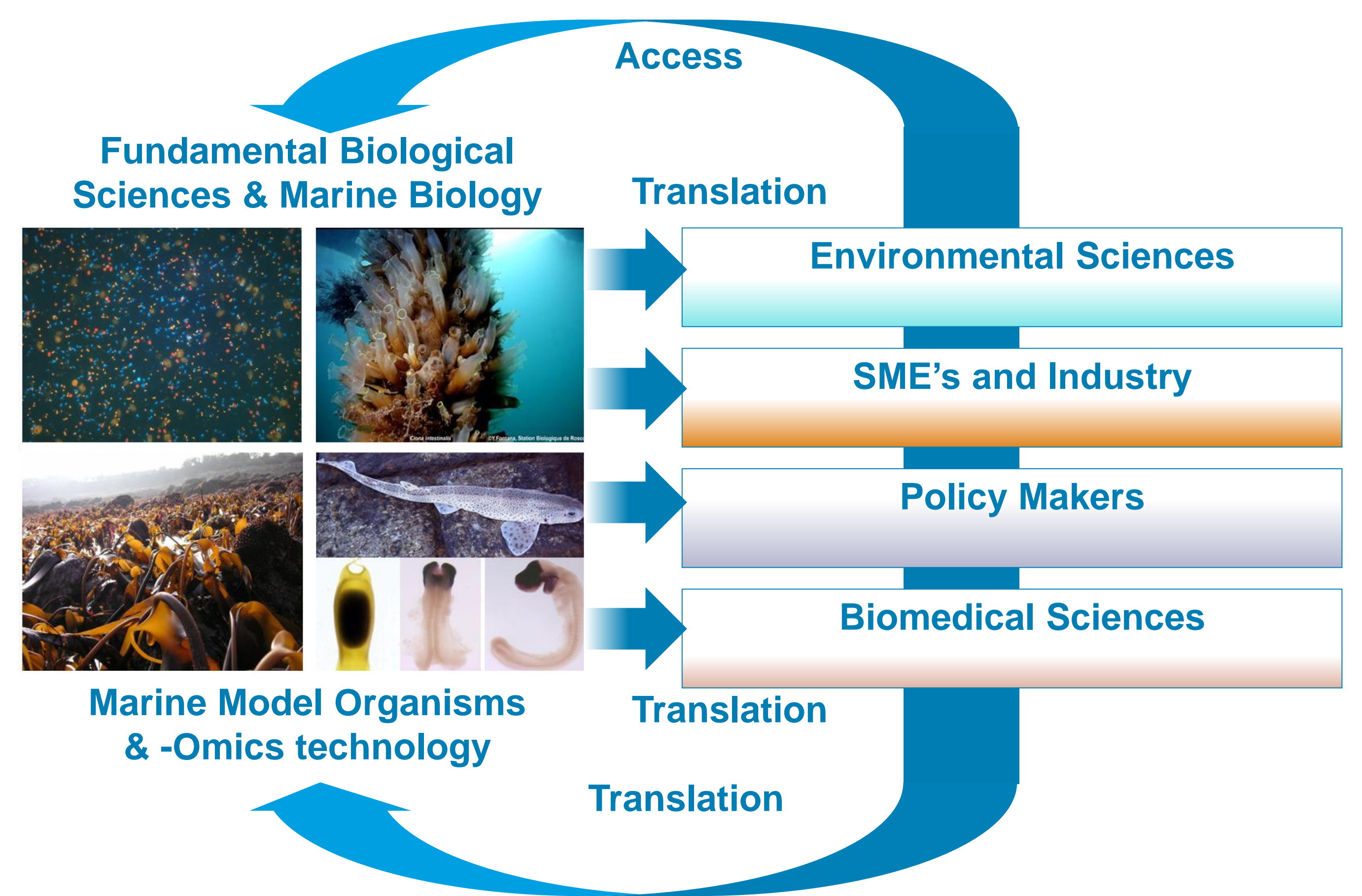
Preparation started in 2011
Construction begins in 2014
Operation, in 2017

12 member states strive to become full members of the RI in its construction and operation phases. EMBRC pursues ERIC status.



Strategy

Advances in fundamental marine research foster RTD & Innovation, driven by external End-users. Their needs drive development of new marine models and RI innovation, and RTD results foster new avenues in marine biological research. End-user RTD also drives industrial innovation, economic progress and employment.



Objectives

EMBRC will provide End-users from universities, research institutes, SME's, NGO's and industry with:

- Access to coastal marine biota;
- A supply of marine model species for research purposes;
- Use of vessels, SCUBA, ROV's, lab space, biobanks, aquaria, platforms for genomics, structural & functional biology, microscopy and bio-informatics, and hosting facilities;
- Training: marine biology courses, PhD fellowships, specialist training courses & workshops, End-user training;
- Support of technology transfer, development of new products and services, and policy development;
- Promoting synergies among End-users (academia, Industry) across the life-sciences within the ERA.

Scientific Services

EMBRC follows a strategic landscape driven by international priorities: Sustainable marine resource management, human health, biodiversity, food security and climate change.

Current EMBRC research focuses on: Biodiversity, Evolution, Ecosystem Functioning, Developmental Biology, Biogeo-chemistry and Global Change, Marine Products & Resources and Biomedical Sciences.

Collaborations and Partnerships

EMBRC is partner within the Biological and Medical Sciences RI's, and explores collaboration with RI's in the Marine and Environmental Sciences, as well as with sister organizations in 3rd countries. EMBRC partner institutes are members of the MARS network of marine stations, of the EROMARINE consortium and of the I3 consortium ASSEMBLE

Collaborations focus on contribution towards interoperable global marine knowledge system and open platform for data sharing, standardized procedures for data gathering, -handling, -calibration and -storage to optimize inter-operability among RI's

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