



MARE

Marine and
Environmental
Sciences Centre

A MARE for the future



MARE

MARE is a Centre for research, technological development and innovation on aquatic ecosystems.

Vision

MARE seeks to be a reference institution in Marine and Environmental Sciences, contributing to understanding how aquatic ecosystems work, promoting the sustainable use of resources and Ocean Literacy.

Mission

MARE pursues excellence in the study of aquatic ecosystems and disseminates this knowledge in support of human progress and sustainable development policies. This is achieved through collaborative networks developed at both national and international levels, focusing on scientific research, education, knowledge and technology transfer, and science dissemination.

MAIN GOALS

The main goals of MARE are:

- Improve the knowledge on the functioning of marine ecosystems, and interrelated estuarine and freshwater systems;
- Develop scientific and technological tools towards the sustainable use of freshwater, estuaries and marine ecosystems under the framework of regional, national and international priorities;
- Develop scientific knowledge and sound technology to help providing food and other biotic and non-biotic resources to society;
- Promote good ecological and healthy status of oceans and seas, estuaries and river basins;
- Drive international cooperation to advanced education and training resulting in a new generation of scientists and professionals prepared for the Blue Economy;
- Promote Ocean Literacy and contribute to a participative Blue Society.

BOARD OF DIRECTORS



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External representation



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External representation



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Vice Director
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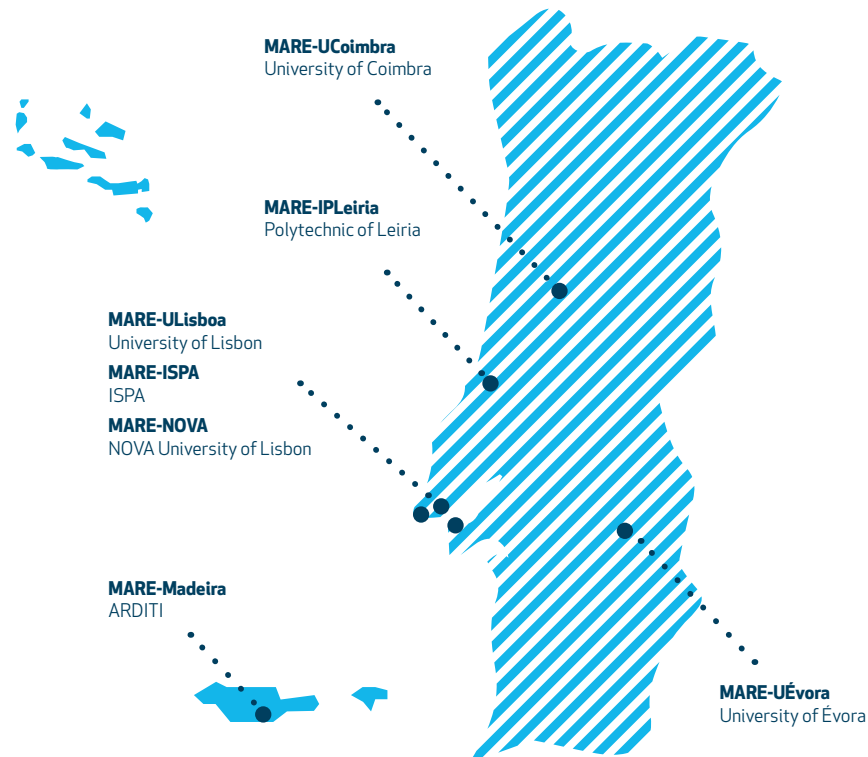


Maria Manuel Gil
Innovation & Internal organization



Zara Teixeira
Communication and dissemination actions

MARE RESEARCH POLES



COORDINATORS OF MARE POLES

MARE is a multipolar RD&I Centre, presently with seven poles, six of them located at higher education campus in Portuguese mainland, respectively University of Coimbra (MARE-UCoimbra), Polytechnic of Leiria (MARE-IPLeia), University of Lisbon (MARE-ULisboa), ISPA (MARE-ISPA), NOVA University of Lisbon (MARE-NOVA) and University of Évora (MARE-UÉvora), plus one pole in the Madeira archipelago (MARE-Madeira).



Jaime Ramos
MARE-UCoimbra



Maria Manuel Gil
MARE-IPLeia



Ricardo Melo
MARE-ULisboa



Manuel Eduardo dos Santos
MARE-ISPA



Maria Helena Costa
MARE-NOVA



Helena Adão
MARE-UÉvora



João Canning-Clode
MARE-Madeira



SCIENTIFIC ORGANIZATION



MARE is organized in two ecosystem-oriented research groups and integrates seven research thematic lines, supported by one or both research groups.

Research Groups Coordinators



Coastal Systems and Ocean



Isabel Caçador










River Basins



Manuel Graça

Research Thematic Lines Coordinators

<p>Aquaculture and Fisheries</p>  <p>Leonel Gordo</p>	<p>Biodiversity and Ecosystem Functioning</p>  <p>Joana Robalo</p>	<p>Biotechnology and Resources Valorisation</p>  <p>Sara Novais</p>	<p>Environmental Risk</p>  <p>Maria Helena Costa</p>
<p>Governance and Literacy</p>  <p>Lia Vasconcelos</p>	<p>Hydraulics, Hydrology and Sedimentary Environments</p>  <p>João Pedroso de Lima</p>	<p>Technological Tools for Exploration and Monitoring</p>  <p>Bernardo Quintella</p>	

MARINE RESEARCH STATIONS



MARE has six fully equipped marine research stations which are used by MARE researchers and teaching staff. These stations also promote Open Days initiatives and provide training activities.

Marine Research Stations

- 1 MAREFOZ Laboratory
MARE-UCoimbra
- 2 CETEMARES
MARE-IPLeiria
- 3 LMG Marine Station
MARE-ULisboa
- 4 CIEMAR Marine Station
MARE-UÉvora
- 5 Marine Biology Station of Funchal
MARE-Madeira
- 6 Quinta do Lorde Marina
MARE-Madeira



RESEARCH INFRASTRUCTURES NETWORKS

MARE has two Research Infrastructures Networks (RIN) in Environment Sciences. These RIN focus on long-term monitoring of estuarine and coastal ecosystems and provide support to environmental and biological research, education and training.



COASTNET - The Portuguese Coastal Monitoring Network, an entirely MARE distributed RIN, is focused on monitoring the most important estuarine and coastal ecosystems through relevant chemical, physical and biological parameters. This information will be available in an online database allowing a better understanding of ecosystems functioning and variability and the assessment of long-term trends and spatial variability.



PORBIOTA - The Portuguese E-Infrastructure for Information and Research on Biodiversity is a Portuguese distributed RIN to manage biodiversity data, which will be integrated in the European e-Science infrastructure for biodiversity and ecosystem research (LIFEWATCH), an ESFRI Roadmap 2016 Landmark. The consortium includes MARE.

DATA LIBRARY

MARE provides data sets for consultation, organized by project.



ALGOTECA ALISU - This algae library was created in 2002 and is a unique collection, since it includes marine and estuarine species from the Portuguese coast, and is a true repository of national genetic heritage.



MEDTRANS - A data-set presenting detailed climatology of temperature-salinity distributions in the Subtropical Northeast Atlantic.

KNOWLEDGE TRANSFER ENTREPRENEURSHIP

MARE Startup, MAREFOZ and CETEMARES benefit from MARE R&D activities in the field of marine resources and their sustainable use, and transfer this knowledge and results to the productive sectors.



MARE STARTUP presents its headquarters in Campus FCUL and is an entrepreneurship program that supports business innovation in the Sea area. This program aims to contribute to revitalize and accelerate the Portuguese maritime economy through startups and business innovation initiatives supported by sharing knowledge, by providing means and facilitating procedures, resulting from a 360-degree engagement: education, research, business, governance and society.



MAREFOZ Laboratory is established in the Sea & Industry Business Incubator of Figueira da Foz, allowing a direct technology transfer towards startups and spin-offs, as well as multiple companies and entities. It holds a fully-equipped laboratory for environmental monitoring, benefiting as well from other MARE scientific competencies, complementing and strengthening the overall capacity of the Centre

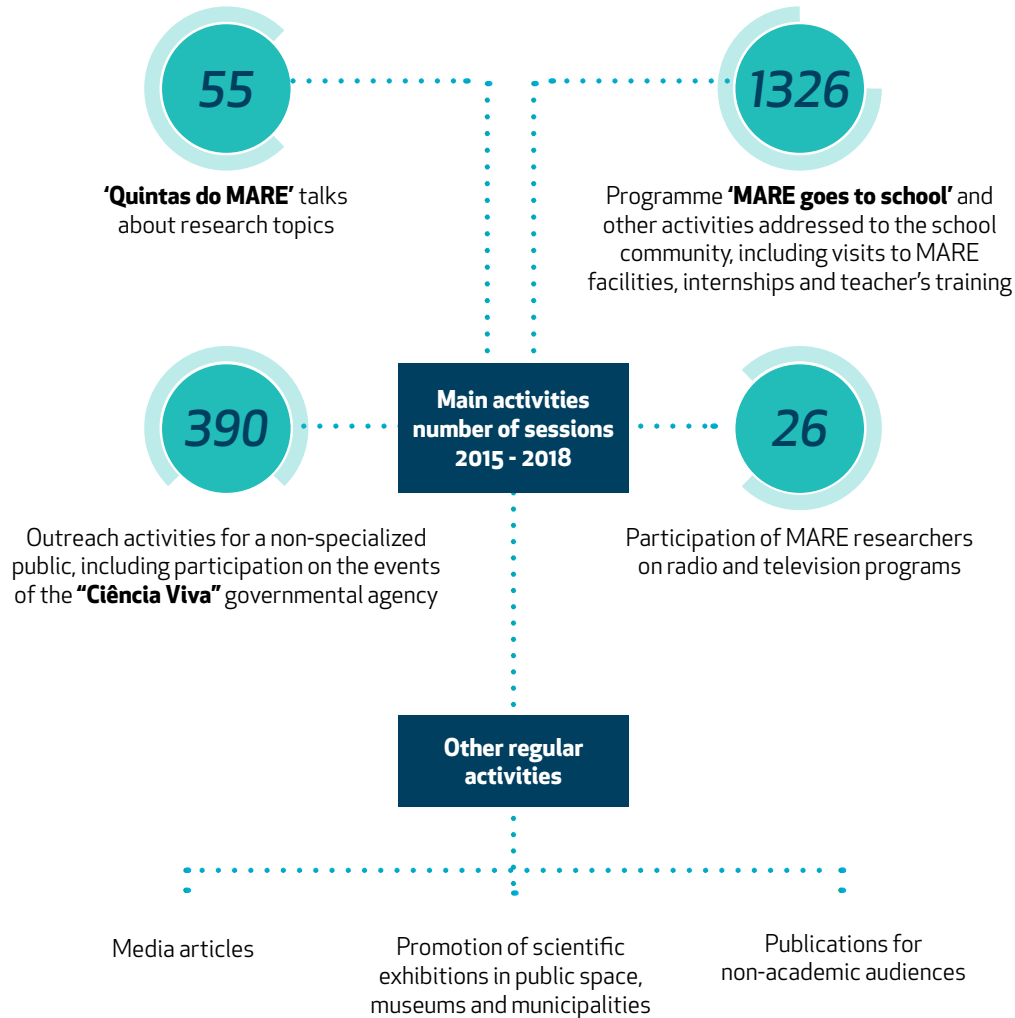


CETEMARES allows for a greater interaction with the sea and industry due to the location at Peniche harbour. The facilities have modern and fully equipped laboratories of biology, fisheries, aquaculture, biotechnology, chemistry, microbiology and seafood, and several areas dedicated to education and knowledge transfer, making this the sole infrastructure in the west region dedicated exclusively to Marine Science and Technology.

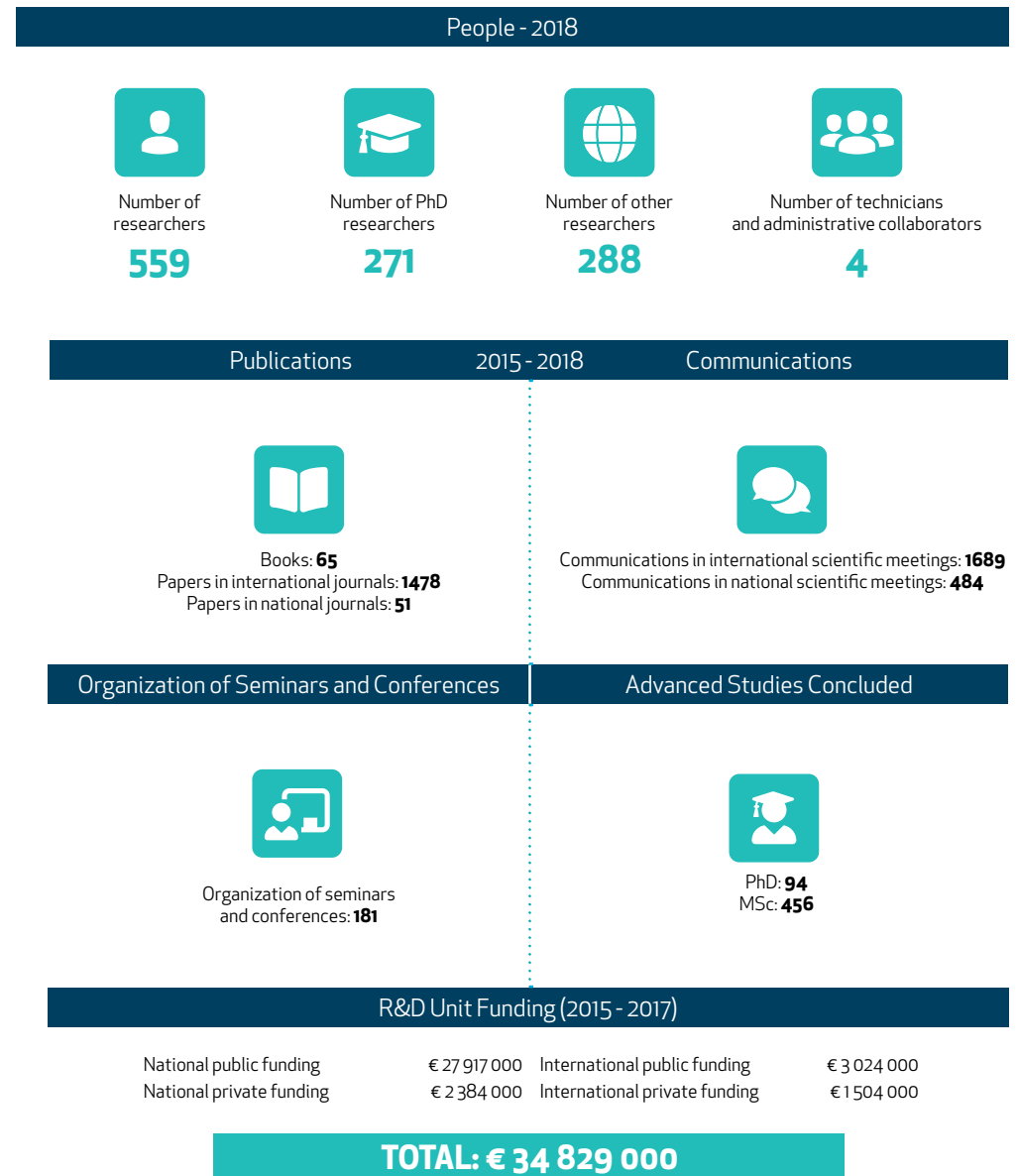
KNOWLEDGE TRANSFER

OCEAN LITERACY

MARE promotes the interaction between its researchers and non-academic communities through dedicated science communication and environmental education programs, this way contributing to the Ocean Literacy and to a "Blue Society".



MARE'S INDICATORS



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MARE - NOVA

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MARE - Madeira

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