European Council for Maritime Applied R&D (ECMAR)

Promoting applied research to strengthen the European maritime sector



Background

Europe's maritime industry continues to face great challenges to improve its economical performance and its environmental impact, as well as continuing to enhance safety aspects. This calls for significant efforts in further research, development and innovation. The need for maritime research is also well understood with EU policy makers and within the WATERBORNETP Technology Platform.

Although Applied Maritime Research Institutions carry out a major part of all R&D efforts, they have often operated independently. ECMAR was founded in 2007 in order to coordinate better these activities and to strengthen the role of the Applied Research organisations. The ECMAR Council acts as an interface with other networks and with the European Commission – ECMAR provides the independent voice of the maritime research sector.

ECMAR's role in Maritime Research

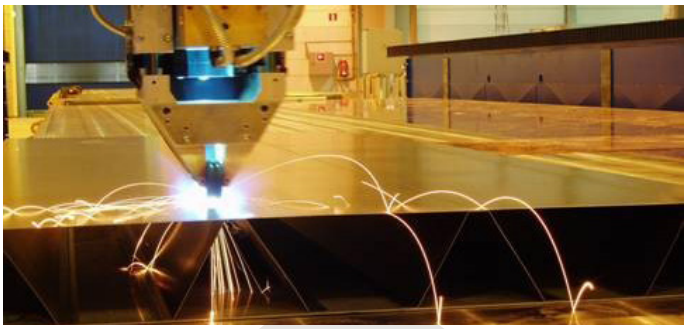
ECMAR's role within a wider European and global maritime research environment is to focus on applied research, making the link between basic research undertaken by universities, and its exploitation by industry. ECMAR member organisations are well placed to respond to market and societal needs through research, as they have extensive experience in applied research and in technology uptake. More emphasis in formulating research and innovation polices is undoubtedly recognised in the European maritime



Whale Simulator © CETENA

sector, together with measures to support technology uptake, education and training. This can be achieved through knowledge uptake between research organisations and industry, and close cooperation with the maritime industry sectors.

ECMAR can offer added value in this field, through developing policies from leading edge in-house expertise and the awareness of trends in research and innovation - from a broad overview of the research area, and from the knowledge both of the available technologies and the market needs.



welding of metallic lightweight sandwich panels

ECMAR's Focus

ECMAR's activities cover waterborne transport, decarbonization, digitalization and maritime safety in particular, and blue growth sector including offshore and ocean technologies, marine resources, the protection of the environment - all having close interaction with related research sectors, and with marine science and technology.



Wind Assisted Ship Propulsion © University of Southampton

ECMAR's Scope

The scope of ECMAR is mainly in the development of a comprehensive strategy for research and innovation for the European maritime industry and society, and to support the adoption of the relevant research priorities of EU Framework Programmes for Research, Innovation. ECMAR cooperates closely with industrial partners, universities and research organisations, to develop future R&D in Europe.

European Council for Maritime Applied Research (ECMAR) - rue de la loi, 67, 1000 Brussels
www.ecmar.eu / info@ecmar.eu

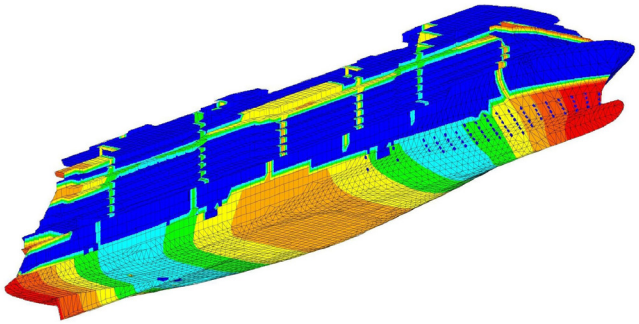
ECMAR's Maritime Strategic Research Agenda

ECMAR's strategy for research and innovation provides members with an opportunity to contribute to the development of a forward-looking policy through its own Maritime Strategic Research Agenda.

SCAN ME

This document outlines the technology challenges and opportunities facing the European maritime transport sector up to 2030 and beyond. It provides recommendations for future research and innovation (R&I) priorities, particularly for FP10 (2028-2034).

Access full document:
ecmar.systeme.io/sra



Visualisation of passenger comfort indices for vibration

ECMAR Membership

The full Membership is offered to organisations engaged in applied maritime research and development, with a primary focus on commercial activities, and located within the European Union, candidate countries, or in the European Economic Area. The activities of the organisations should be in the maritime sector.
Associate membership is open to organisations whose main activity is not research, but which nevertheless undertakes applied maritime research activity.



Ship trials for establishing seakeeping standards

The current members are:

ABS (ABS HELLENIC SINGLE MEMBER LTD) ; **ATLANTEC** ; **AKERARCTIC**, (Aker Arctic Technology Inc); **BSHC,** (Bulgarian Ship Hydrodynamics Centre); **CETENA** (The Italian Ship Research Centre); **CNR** (largest public research institution in Italy) , **Damen RDI, Deepblue, DST,** (Development Centre for Ship Technology and Transport Systems); **EPSILON Malta, FORCE,** (FORCE Technology, Kgs); **FRIENSHIP-SYSTEMS ; HSVA,** (Hamburgische Schiffbau-Versuchsanstalt GmbH); **MARIN**, (Maritime Research Institute Netherlands); **MAAT** Group (Marine & Arctic Technology Group -Aalto University) ; **NAOME** (Naval architecture, ocean & marine engineering - Strathclyde University) - **Principia** (France) , **RISE** (Research Institutes of Sweden), **SINTEF Oceans**, (Norwegian Marine Technology Research Institute), **SDG** (Ship Design Group), **SMMI** (Southampton Marine and Maritime Institute), **SVA** (Vienna Model Basin) **VICUSdt** (Spain); **VTT**, (Technical Research Centre of Finland);

Membership benefits

The benefits for ECMAR members include the following:

- A representative organisation in Brussels with access to the European Commission and Industry Associations to promote the interests of ECMAR members.
- Opportunity to contribute to the development of a forward-looking maritime research and innovation policy, and to formulate ideas for EU Calls for proposals.
- Opportunities to network within ECMAR and beyond, for the development of projects.
- Access to an active European network for enhanced cooperation, through meetings, workshops, seminars and networking. (Annual ECMAR brokerage event)
- Newsflashes sharing immediate issues and consultation topics; Information on relevant EC developments (maritime, energy, ocean and environmental policy, R&D and innovation).

Membership enquiries

For membership application or more information, please contact us at **director@ecmar.eu** or visit our website **www.ecmar.eu**

