

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 WATERBORNE^{TP} 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 transfer.



Model tests of *Emma Maersk*, one of the largest containerships

More emphasis in formulating research and innovation policies is undoubtedly recognised in the European maritime sector, together with measures to support technology transfer, education and training. This can be achieved through knowledge transfer 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.



Laser3 - welding of metallic lightweight sandwich panels

ECMAR's Focus

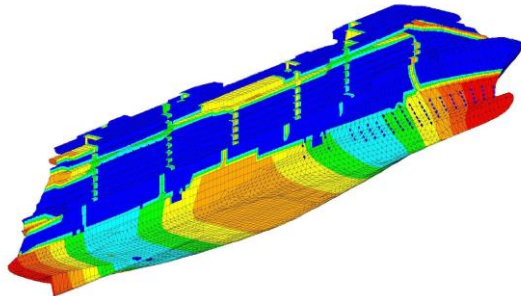
ECMAR's activities cover waterborne transport, offshore and ocean technologies, marine resources, maritime safety, the protection of the environment - all having close interaction with related research sectors, and with marine science and technology.

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 National and EU Framework Programmes for Research, Innovation and Technology Development. ECMAR cooperates closely with industrial partners, universities and

research organisations, to develop future R&D in Europe.

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 Strategic Research Agenda.



Visualisation of passenger comfort indices for vibration

ECMAR 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.

The current members are:

AKERARCTIC, (Aker Arctic Technology Inc); **BSHC**, (Bulgarian Ship Hydrodynamics Centre); **CMT**, (Centre of Maritime Technologies e.V); **CETENA** S.p.A, (The Italian Ship Research Centre); **DST**, (Development Centre for Ship Technology and Transport Systems); **FORCE**, (FORCE Technology, Kgs); **HSVA**, (Hamburgische Schiffbau-Versuchsanstalt GmbH); **MARIN**, (Maritime Research Institute Netherlands); **SINTEF Oceans**, (Norwegian Marine Technology Research Institute); **Ship Design Group** (SDG); **SIREHNA** (France); **SVA** (Schiffbautechnische Versuchsanstalt in Wien GmbH, Vienna Model Basin Ltd **SSPA** Sweden AB; **TNO**, (Netherlands Organisation for Applied Scientific Research); **VICUSdt**, Spain; **VTT**, (Technical Research Centre of Finland); **WUMTIA** (Wolfson Unit for Maritime Technology & Industrial Aerodynamics, Southampton, UK), **CERTH-HIT** (Hellenic Institute of Transport)

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.
- ECMAR representation at meetings in Brussels (e.g. European Commission, Technology Platforms, PPPs, project proposal meetings and engagement with Horizon Europe).
- Coordination of membership activities related to Technology Platforms (e.g. WATERBORNE and future Partnerships), and EU research projects.
- An 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 share commercial prospects and 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).



Ship trials for establishing seakeeping standards

Membership enquiries

For membership application or more information, please contact:

Florian CARRE - ECMAR Director:

director@ecmar.eu