

A Brief History of the existing organisation:

European Cooperation of Maritime Research (ECMAR)

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International Cooperation in Ship Research (ICSR)

Initiation:

- Following discussions in 1953 between BSRA (UK) and Skipteknisk Forskningsinstitutt, (Trondheim, Norway) it was proposed that the various maritime research associations should set up a scheme for international co-operation
- This became the International Cooperation in Ship Research (ICSR)



FAMILY HISTORY OF ECMAR

1953

International Cooperation
in Ship Research
ICSR

1988

European Cooperation
in Maritime Research
ECMAR

European Virtual Institute
for Maritime Research

2003



European Council
for Maritime Applied R&D

2007



International Cooperation in Ship Research (ICSR)

Objectives of ICSR:

- Informal meetings between the Directors of the Associations to discuss general progress in the various fields of ship and machinery research
- The associations should continue to publish or exchange their research programmes
- Meetings completely informal in character and no need to establish any formal organisation for the purpose
- Arrangement made for the exchange of some research reports

International Cooperation in Ship Research (ICSR)

Membership of ICSR:

- Restricted to existing Shipbuilding Research Associations in the West European nations together with the research committees of the American Society of Naval Architects and Marine Engineers, (SNAME)
- Ship model testing tanks, Universities, etc., should **not** be included in the proposed arrangements



International Cooperation in Ship Research (ICSR)

Scope of ICSR:

- The research programmes of the various research associations was in most cases on ship structures and performance, but also on ship's machinery and hydrodynamics.
- As hydrodynamics was discussed at International Conference of Ship Tank Superintendents at this time, it was suggested that the proposed meetings should be devoted to discussions of structures and performance, but not to the exclusion of other work

International Cooperation in Ship Research (ICSR)

In 1955 the first meeting of ICSR took place in London, attended by directors of the following associations:

- British Ship Research Association, United Kingdom 
- Belgium Centre for Ship research, Belgium 
- Institute of Research in Naval Construction, France 
- Netherlands Research Centre for Shipbuilding and Navigation, Holland 
- The Ship Research Institute of Norway, Norway 
- The Swedish Shipbuilding Research Foundation, Sweden 
- The Technical and research Committees of SNAME, United States 

European Cooperation in Maritime Research (ECMAR)

ECMAR (European Cooperation in Maritime Research)

- In 1988 it was decided that the title of ICSR should be changed to make reference to Europe. It was therefore agreed that its new title should be European Cooperation in Maritime Research (ECMAR)
- It now represents the national maritime research coordination entities from a number of European countries; among them the globally leading commercial ship model test tanks.
- In 1988 it was proposed that ECMAR might attempt to assume a more formal status in about 1989, in order to prepare for the change to the Single Market in 1992. One idea was that the organisation might have a general manager residing in Brussels, and would be effected legally

European Cooperation in Maritime Research (ECMAR)

Objectives of ECMAR

- Promote cooperation and coordination in R&D and the development and implementation of new technologies within the maritime communities of Europe
- Cooperate as deemed desirable with the EC and relevant European Maritime organisations aiming at the development of relevant research programmes
- Encourage technology transfer and sharing of experience
- Improve the awareness of the importance of maritime matters for Europe

European Cooperation in Maritime Research (ECMAR)

ECMAR members at date of entry into force:

- DMI Denmark
- VTT Finland
- IRCN France
- FDS Germany
- BMT Great Britain
- HELINTEC Greece
- CETENA Italy
- MARIN The Netherlands
- MARINTEK Norway
- SSPA Sweden
- SNAME USA




European Cooperation in Maritime Research (ECMAR)

ECMAR Participation in Europe

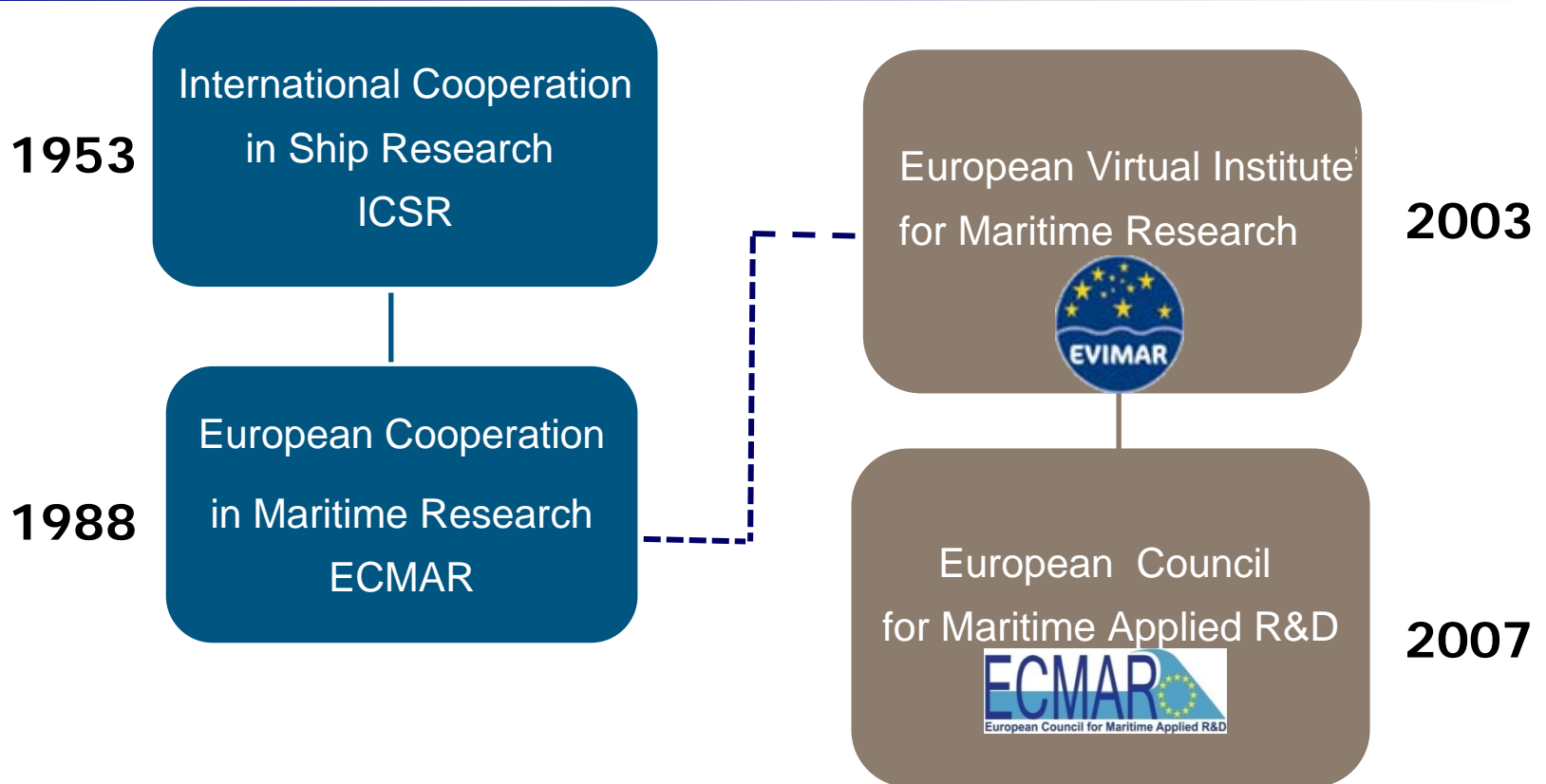


- ECMAR have participated in MIF since its inception in 1992, it has also participated in the industry Support Group of the Technology Platform WATERBORNE, and the EU Coordination Action-ACMARE.
- Representatives of EMAR member's organisations have been seconded to the EC as National Experts (who contributed to the EC Communication for the setting up of the Maritime Industries Forum - MIF, and proposed the setting up of EMEC), participated in COREDES meetings and contributed to the MIF R&D Master Plans

European Cooperation in Maritime Research (ECMAR)

- In 1997 a working group of ECMAR, (BMT, DMI (FORCE) and SSPA), proposed three projects for the involvement of ECMAR organisations, for EU funding under the 4th Framework Programme.
- Three ideas were proposed, which were eventually funded:
 - A virtual Maritime Institute (EVIMAR) 
 - Virtual reality tools for hydrodynamics - SEAFLOW
 - Risk Assessment and decision support tools – (TRESHIP & THEMIS)

FAMILY HISTORY OF ECMAR



**A continued brief History of the
existing organisations:**

**The European Virtual Maritime Institute
(EVIMAR)**

Eivind Dale, MARINTEK

EVIMAR – the project

- Commenced 2001 and finalised March 2004
- Project supported by the European Commission under the scheme of Thematic Networks in the 5th Framework Programme

- 17 partners from 11 European countries:

Accura, Denmark

CMT, Germany

MARIN, The Netherlands

NTUA, Greece

ScMI, Germany

VTT, Finland

BMT, UK

FORCE, Denmark

MARINTEK, Norway

Principia, France

Sirehna, France

WEGEMT, UK

CETENA, Italy

IST, Portugal

MDCE, Denmark

SAI, Sweden

SSPA, Sweden

EVIMAR – the project

Objectives of the project:

- The objective of EVIMAR – the European Virtual Maritime Institute - was to create a technology forum that provided long-term visions of the interaction between technological development and European maritime stakeholders with the strategic aim of strengthening the competitiveness on the global market
- By combining the capabilities and special expertise of the 17 partners
- Being able to provide access to long-term strategic visions and the correspondingly required maritime technologies

EVIMAR – the company

- Established 2003 as a result of the EVIMAR project
- A virtual enterprise with the legal basis in a Danish company



EVIMAR – the company



- **Objective** to provide long-term visions and future studies to assist the industry in making strategic choices within the area of maritime solutions and technologies
- Teams drawing upon its owners' personnel providing a pan European synergy of all the knowledge and expertise of these companies
- 11 shareholders from 9 European countries
 - BMT, UK
 - IST, Portugal
 - MARINTEK, Norway
 - Sirehna, France
 - Cetena, Italy
 - VTT, Finland
 - MDCE, Denmark
 - SSPA, Sweden
 - Force Technology, Denmark
 - MARIN, Netherlands
 - SAI, Sweden

EVIMAR – the company



Products and Services:

- Long-term scenario development
- Future-orientated market and technological research
- Stakeholder analysis
- Inter-disciplinary consultancy services
- Research project management
- Education and training

EVIMAR – the company



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*... drawing upon the knowledge and expertise of the shareholders,
but not competing with their core business*

EVIMAR – the company



EVIMAR Member's Programme:

- A subscriber's programme
- Individual services to the subscribing members
- Conduct cooperative research on topics such as long-term scenarios, and future-oriented market and technology research
- Annual EVIMAR Future Studies Conference

EVIMAR – the company



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The Programme was never launched

EVIMAR – the company



- Today partner in the European Network of Excellence project VISIONARY CONCEPTS – a European maritime “Think Tank” for greater innovation
- Organises annual creative process meetings at which visionary ideas and concepts for vessels and floating structures are developed
- EVIMAR’s project team from BMT, MARIN, MARINTEK and SAI
- EVIMAR responsible for development of scenarios describing market and society requirements



EVIMAR – the company



Market scenarios in the project VISIONARY CONCEPTS:

Let's look into the future 10-15 years ahead...



Cruise and Leisure



Deep Sea Shipping



Short Sea Shipping



Inland Shipping

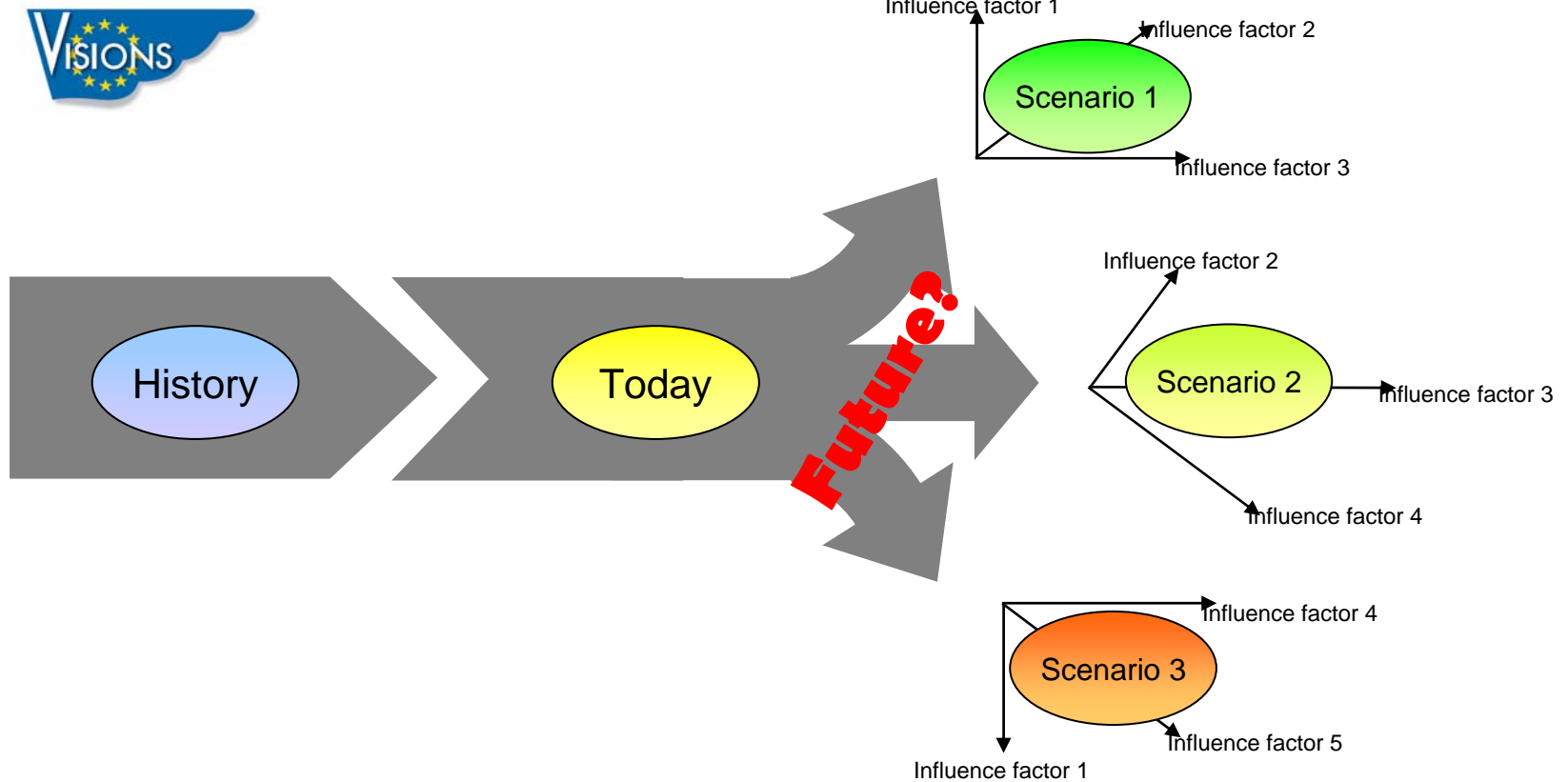


Floating Infrastructures

EVIMAR – the company



Scenario development process in the project VISIONARY CONCEPTS:



FAMILY HISTORY OF ECMAR

