

Announcement of a call

ERA-NET MARTEC II “Maritime Technologies II”

Call for Proposals for Collaborative Research Projects on Maritime Technologies

December 2012

Introduction

The vision of the ERA-NET MARTEC action is to support and develop an extensive co-ordination and integration of national, regional and European research programmes and policies in the field of maritime technologies.

MARTEC II has opened a transnational call with the deadline on **30.04.2012** for **collaborative research projects** in different areas of maritime technologies. This call is initiated by funding organisations from twelve different European partner countries of the ERA-NET MARTEC consortium.

After the proposals submission via the MARTEC web page, the proposals will be assessed by an international expert group. The funding of the best proposals will be done by each country according to their national regulations. Only a part of the procedures is transnational. Some parts are still national (see table 1):

Common Transnational Procedures	National Procedures
<ul style="list-style-type: none"> - Call - Deadline - Transnational Evaluation 	<ul style="list-style-type: none"> - Eligibility Check - Final Decision - Financial Support - Monitoring

Table 1: Procedures

Each country has own national maritime programmes and the financial support will be awarded by the national funding organisations for the project. Priority funding is for projects which include at least **two independent industrial participants** from **two partner countries**. Entities like universities or research centers are very welcome as project partners, supporting exchange of know-how between research and industry. They can apply for funding as well (if supported by national regulations).

Participating countries in the call

The following twelve ministries and funding organisations agreed to participate in the call (hereinafter referred to as the partner countries):

Belarus	National Academy of Sciences of Belarus (NASB)
Germany	Federal Ministry of Economics and Technology (BMWV)
Denmark	Danish Maritime Fund (DMF) Danish Agency for Science, Technology and Innovation (DASTI)
Spain	Centre for the Development of Industrial Technology (CDTI)
Iceland	Icelandic Maritime Administration (IMA)
Finland	The National Technology Agency of Finland (TEKES)
France	Ministry of Ecology, Sustainable Development, Transport and Housing (MEDDTL)
Norway	Research Council of Norway (RCN)
Poland	National Centre for Research and Development (NCBiR)
Romania	The Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)
Turkey	The Scientific and Technological Research Council of Turkey (TÜBİTAK)
UK	Technology Strategy Board (TSB)

Aim of the funding

The funding organisations participating in the ERA-NET MARTEC will promote R&D activities. It is desired that research and development will be undertaken within transnational collaborative projects, operating on the basis of an interdisciplinary approach and of work-sharing. The call will be opened in several general topics as described next. Areas are defined more precisely in the national research programmes (see specific national regulations).

Research areas

The following maritime technology areas will be supported by the participating partner countries. Please have in mind that some areas (marked white in the table 2) will not be supported by all funding partners.

MARTEC Call Priority Areas	BY	DE	DK	ES	IS	FI	FR	NO	PL	RO	TR	UK
shipbuilding - new ship types, structures, ship design	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
shipbuilding - production process and technology	White	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue	Blue	Blue	Blue
maritime equipment and services	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
ship and port operation services	White	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
inland water and intermodal transport	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue	Blue	Blue	White
offshore industry / offshore technology	White	Blue	Blue	Blue	White	Blue	White	Blue	Blue	Blue	Blue	Blue
offshore structures for renewable energy	White	White	Blue	Blue	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue
polar technology	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	White	Blue	White
fishing/ aquaculture	Blue	White	Blue	Blue	Blue	White	Blue	Blue	Blue	Blue	Blue	White
safety	White	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
security	White	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White	Blue	Blue
environmental and climate impact	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
human elements	White	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	White	Blue	White

Table 2: Priority areas (blue) in different participating partner countries

- Shipbuilding**
 New ship types, structures, ship design and construction, production processes and technology
- Maritime equipment and services**
 Bridge systems, information and communication technologies, telematic applications, engine and propulsion systems, automation systems, cargo handling and maintenance
- Ship and port operation**
 Vessel traffic services, manoeuvring, cargo handling, waste & ballast water facilities
- Inland water and intermodal transport**
 Shipbuilding, maritime equipment and services, ship and port operation, transport chains, hinterland connections, short sea shipping, traffic management, transport logistics, intermodality interoperability

- **Offshore industry/offshore technology**
New structures, design and construction, production processes and technology, equipment and services, maintenance and decommissioning of offshore structures, offshore operations, underwater process technology, underwater technology, underwater robotics (AUV, ROV)
- **Offshore structures for renewable energy**
Water power (wave, tidal and current energy technology), wind power (wind energy technology, installation technology)
- **Polar technology**
Arctic sea transport, shipbuilding, equipment and services for polar regions, operation of ships, offshore structures
- **Fishing/aquaculture**
Development of platforms and devices, fish farms in open sea, new generation of fish-farms, teledetection, applications for analysis's, information and communication technologies, automation and monitoring

There are also additional topics, which can be included in several priority areas.

- **Safety and security**
Ship safety (collision, grounding, evacuation, fire safety, search and rescue, manoeuvring, cargo handling and lashing, tracking and tracing, first aid), ship and port security (preventive measures against terrorism, piracy)
- **Environmental impact**
Reduction and improvement of the efficiency of fuel and energy consumption, anti fouling, ballast water handling, wash waves, waste management, recycling, monitoring, reduction of emission, prevention of contamination, noise and vibration
- **Human elements**
Training aspects, education, improvement of working conditions, intellectual property rights (IPR)

Common regulations

The MARTEC II call is a one stage procedure. Only full proposals will be accepted in this call. A sketch is available at the MARTEC web page. In all participating partner countries, the call will be closed on **30th April 2012**.

Priority funding is for projects which include at least two independent industrial participants from two partner countries. Only projects which receive funds from at least two countries will be supported. A limited number of projects will receive funds.

A consortium agreement appropriate to the aims of the ERA-NET MARTEC initiative and of the specific project has to be agreed between all project partners before the funding is given. The consortium agreement has to be drawn up by the project coordinator. As a minimum, this

document should cover the responsibilities and rights of the partners, the arrangements for scientific and financial management, the involvement of third parties, the existing protective rights of partners and the arrangements for the protection and exploitation of results. No part of this agreement may contradict the terms of the ERA-NET MARTEC initiative. After the consortium agreement has been approved by the project partners, the coordinator has to report the funding organisations responsible for the project partners (e.g. Specific National Regulations).

Submission of proposals

Financial support will be awarded by the national funding organisations for project duration of up to 36 months.

30 April 2012 (17:00 CET)	Deadline submission of the full proposals
30 June 2012	Evaluation of full proposals by international experts
30 August 2012	Consensus evaluation and ranking
30 November 2012	Common recommendation on funding
From December 2012	Contract negotiations
Early 2013	Start of high ranked projects

Table 3: Time schedule

All participants accept the rules and agreements made within the framework of the ERA-NET MARTEC initiative. Each joint project is managed by a project coordinator.

A common full-proposal form must be used for the preparation of the proposals which is available at <http://www.martec-era.net/opencall>. The full-proposal form is to be completed in English and requires:

- Project summary
- Project objectives
- State of the art in research and development; own experiences
- Detailed working plan of the whole project
- Exploitation plan
- European added value in carrying the work at European Level
- Necessity for funding and risk
- Planning aids (Gantt-Diagram, Roadmap, Resources)

The common full-proposal form has to be submitted electronically on the MARTEC web server (<http://www.martec-era.net/login>) by the project coordinator at the latest on the **30th April 2012 (17:00 CET)**.

IMPORTANT: Applicants are strongly advised to submit as well information on the proposal submission (national application form) according to their national funding rules. For more details, see the Specific National Regulations or contact the national contacts directly or via MARTEC web portal (<http://www.martec-era.net/login>).

Selection and decision making

At first proposals have to fulfil the following general criteria (exclusion criteria):

- Proposals, which include at least two independent industrial partners each from different countries (mentioned in the MARTEC II call text and flyer), will be chosen preferred.
- Only projects which receive funds from at least two countries will be supported.
- The proposal has to be written in English
- Applicants from countries which are not involved in the MARTEC II call have to justify their own funding.
- The given deadline for application is met. The form of the project outline and further formal criteria are in line with the priority areas and regulations.

The selection and the decision making procedure on the submitted proposals will take place in three steps:

1. In a first step, the proposals will be assessed according to the before mentioned general criteria and national regulations by national funding organisation.
2. In a second step, proposals will be assessed according to the following evaluation criteria by the independent international experts.

I. Scientific and Technological excellence

- Innovation level (progress beyond the state of the art)
- Quality of the approach, work plan and methodology
- The extent to which the proposed S&T approach is likely to enable the project to achieve its objectives in research and innovation

II. Potential impact

- The extent to which the proposed project is suitably ambitious in terms of its strategic impact on reinforcing competitiveness or on solving societal problems
- The extent to which the innovation-related activities and exploitation and/or dissemination plans are adequate to ensure optimal use of the project results.

III. Quality and efficiency of the implementation and the management

- The extent to which the participants collectively constitute a consortium of high quality
- The extent to which the participants are well-suited and committed to the tasks assigned to them
- Complementarities between participants
- Quality of the project management

- Financial capability of participants
 - Trans-national added value
 - Necessity and Adequacy of human and technical resources in relation to the work plan
3. In a third step, the proposals will be ranked according to the final evaluation and consensus results. With these results the MARTEC Steering Committee will decide upon funding (October/November 2012) within the framework of the available national budgets and rules. The steering committee is constituted by representatives of all national funding organisations participating in the ERA-NET MARTEC II. First projects possibly can start in early 2013.

Project monitoring

The applicants involved in the projects submit interim and final reports in accordance with the national funding regulations to their corresponding funding organisations. Reporting is to be controlled by the coordinator of the collaborative project.

Funding recipients are expected to establish an internet presentation on their website giving a description of their research project, at the latest 3 months after the start of the project. Websites will be linked to the MARTEC web page.

After the projects have been concluded, the research results will be presented by the project coordinators on the occasion of one of the regular ERA-NET MARTEC II meetings.

Specific National Regulations

Specific national regulations can be individual according to the national funding rules and only relate to potential applicants from the respective countries. Participants from these countries can be funded by the funding organisations according to their respective national rules.

Some national programmes may require specific national regulations. To reach a successful national evaluation of the proposals please contact the following national programme owners or programme managers in your country:

Country	Contact Information
Belarus	Dr. Natallia Yankevich (NASB) Email: lab_12@tut.by Phone: +375 293417342
Denmark	Mr. Mogens Schrøder Bech (DMA) Email: MB@dma.dk Phone: +45 39 17 45 01

- Germany** Dr. Ralf Fiedler (PtJ)
Email: r.fiedler@fz-juelich.de
Phone: +49 38 15 19 72 82
- Finland** Mrs. Mervi Pitkänen (KTK)
Email: mervi.pitkanen@koneteknologiakeskus.fi
Phone: +358 405 353066
- France** Mr. Patrick Vidal (MEDDTL)
Email: patrick-l.vidal@equipement.gouv.fr
Phone: +33 14 08 11 46 8
- Iceland** Mr. Jón Bernódusson (IMA)
Email: JonB@sigling.is
Phone: +354 560 00 00
- Norway** Dr. Sigurd Falch (RCN)
Email: SF@RCN.NO
Phone: +47 22 03 73 02
- Poland** Dr. Jakub Sypień (NCBiR)
Email: j.sypien@ncbir.pl
Phone: +48 51 50 61 53 9
- Romania** Mr. Mircea Segarceanu (UEFISCDI)
Email: mircea.segarceanu@uefiscdi.ro
Phone: +40 21 302 38 83
- Spain** Mr. Carlos Sánchez Lafuente (INNOVAMAR)
Email: csanchez@innovamar.org
Phone: +34 91 74 72 11 6
- Turkey** Mr. Oğuz Özbay (TÜBITAK)
Email: oguz.ozbay@tubitak.gov.tr
Phone: +90 312 468 53 00
- UK** Dr. James Clipson (TSB)
Email: james.clipson@tsb.gov.uk
Phone: +44 (0)1793 442749

Latest information

Latest news and partner search (expression of interest) for the call is available at the MARTEC web page in the submenu “open call” (www.martec-era.net/opencall).