



Progress Report

MariFuture 2020

A review of major events and discussions that took place in 2013 help to shape and prepare MariFuture Roadmap 2020. The Roadmap was developed after a series of major conferences organised by MariFuture partners and after visits to key maritime national, European and International organisations. Several members of platform also actively participated in a number of international events and conferences. The activities led to a number of reports and some of these report were submitted to key maritime organisations and EU institutions for their consideration.



Meeting at DG MARE with Mrs. Monique PARIAT (Director) and her colleagues

MariFuture vision encompasses the current and the intended initiatives that make the seas safer, more secure and cleaner. The vision has been transformed into several proposals which are in support of the national, European and international efforts by individual governments, European agencies such as EMSA and DG MOVE and DG MARE as well as international bodies such as the International Maritime Organisation.



Meeting at DG MOVE with Mr. Torsten KLIMKE (Head of Unit) and his colleagues



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Many of the proposals are developed to make shipping and port operations more efficient and making shipping operation and ship building cost effective and hence more competitive. Some of the proposals involve application of either new technologies or integration of available technologies. Without exception Marifuture supported proposals are about innovation particularly in maritime education and training as well as maritime research and development.

For Europe 2020 to succeed there must be specific emphasis in:

- **Smart Growth** – economy based on knowledge and innovation and
- **Sustainable Growth** - resource efficient, greener and more competitive economy.

Marifuture supports the European Commission' central aim of Europe 2020, as stated in transports white paper (2011), and intends to support this aim by making the Maritime centre in Europe more competitive and more resource efficient.

The intended proposals are being developed to be in line with Public Private Partnership arrangement as described in article 19 of the Horizon 2020 programme. In the majority of cases emphasis is placed upon:

- **Towards zero accidents** and
- **Eco-efficient vessels**



Meeting at DG Trade with Mr. Luc DEVIGNE (Head of Unit)

Challenges

The proposal societal challenges will include:

- Cleaner Air - Developing a low carbon, low emission economy
- Reducing Waste - Harvesting natural resources
- Assuring Safe and Secure seas

The economic challenges will include:



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- Resource Efficiency - Improving competitiveness
- Cost Efficiency – Reducing cost through innovation and technology transfer
- Knowledge Up-dating and Sharing - Increasing the level of education and skills
- Market Share - Addressing new and developing routes and markets



A meeting with EUROCHAMBRES Representatives

Key areas

The key areas will include passenger and cargo safety and security by making:

The Ship design more efficient:

- Hull-Water Interface
- Material design and production
- Surface finish and coatings

The Ship propulsion more efficient:

- Reducing fuel consumption and exhaust emissions
- Energy management

Efficiency through new systems:

- ICT – Application of novel and new IT and Communications technologies
- E-Marine applications
- New vessels and systems concept

In all relevant proposals respect the stated target for improvements by 2020 such as CO2 reduction of 30%, NOx and SOx reduction of 80% and under water noise reduction of -3db.



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Meeting with Isabelle Ryckbost, Secretary General, ESPO, European Sea Ports Organisation

The latter part of 2013 was very busy time. This period included the final conferences of EU funded BRIDGE and TRECNET which took place in Turkey and Spain respectively. The EU funded Campus Party was also supported by our Framework 7 ExtremeFactories partners. The event took place in London in September 2013 by over 30000 participants. We were pleased to have been party to the event and supporting it by sponsoring many young people to attend it.



Meeting at EBI (European Boating Industry) with Ms. Mirna CIENIEWICZ, Secretary General



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Meeting with Dr Bülent Bilgiç, Permanent Representative of TOBB + EUROCHAMBRES in Brussels

A visit was also made to Copenhagen by Professor Reza Ziarati and Dr Martin Ziarati to BIMCO to meet the Mr Torben Skaanild, CEO and Mr Soren Larsen, Deputy Secretary General and COO to discuss specific EU projects and to plan future collaborations.

The outcomes of visits/meetings to the above organisations were presented at the BRIDGE final conference. Dr Basak Akdemir, Executive member of the Board of Directors at Turkish Chamber of Shipping and Professor Reza Ziarati, representing MarEdu, made keynote speeches highlighting the importance of BRIDGE to Turkey and the achievements of the project to date.



The final conference of the Turkish Chamber of Shipping EU funded project BRIDGE.



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In September the International Maritime English Conference (IMEC 25) was held in Istanbul, Turkey. A keynote speech was given by Professor Ziarati, representing, Piri Reis University and C4FF, which will appear as the MariFuture Development Paper for November 2013. Several papers were presented at the conference by MariFuture partners; these papers will appear in MariFuture, Papers, in October 2013.

The highlight of the year was the International Maritime Lecturers Association (IMLA) Conference in St. John, Canada. The first and the last papers, at the conference, were presented by Professor Reza Ziarati, representing Piri Reis University, and several key papers on current projects were written by Dr Martin Ziarati et al (C4FF), Dr Captain Taner Albayrak (Piri Reis University) and

Dr Captain Ergun Demirel (Piri Reis University). They were several other papers by MariFuture partners. A full list and content of the papers presented at IMEC and IMLA can be found in these conferences' websites.



IMEC 2013 Conference, Piri Reis University, September 2013 - Front row from left to right: Mr Sualp Urkmez, Professor Reza Ziarati, Mr Metin Kalkavan, Professor Trekner, Dr Basak Acdemir and Dr Taner Albayrak



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A photo from IMLA 2013 held in St John, Canada, October 2013 – Professor Ziarati behind front row with delegates attending IMLA Conference

In December 2013, the Italian delegation who were involved with Turkey-Italy Twinning project visited Professor Ziarati and the outcome was reported in two articles published by the Turkish Maritime Journal – these articles appear as the latest MariFuture articles.



Professor Ziarati presenting the Piri Reis University plaque to Captain Vincenzo Vitale, the head of the Italian Delegation. From left to right there are Captain Konuksever, Mr Favilli, Mr Gacci and Captain Şahin in the photograph.

The summary of the plans for international education collaborations are given in the Turkish Maritime Journal's articles of June and July 2013 and for specific collaboration with Italy and MariFuture partners in November and December 2013 issues of the journal.

A summary of all external projects are given in www.marifuture.org.