This is the third Issue of the WATERBORNE Technology Platform Newsletter, the purpose of which is to provide a regular update on activities of the Platform. Topics discussed in this Issue include:

- European Transport Research Conference, Warsaw, Poland - 18-21 April 2016 [TRA 2016]
- Horizon 2020 – SETRIS [Strengthening European Transport Research & Innovation Strategies]
- Vessels for the Future 3rd General Assembly in Hamburg, 28th April 2016
- Forthcoming Events:
  - 4th European Maritime Policy Conference, Brussels - 28th June 2016

New Waterborne Technology Platform website

A new Waterborne TP website is now being developed under the temporary address http://www.maritime-rdi.eu/. Finalised in June, it will ultimately take over the http://www.waterborne-tp.org address. In addition to reporting on the activities of Waterborne TP, it will provide information of interest to the wider waterborne research and innovation community.
Research, development and innovation are key to improving the competitiveness of Europe’s maritime industries and strengthening their capacity to meet the environmental, energy, safety and human-factor challenges they face. Consequently, one of the main objectives of the new website, is to involve the community in contributing to the development of the Waterborne TP Vision, Strategic Research & Innovation Agenda, and Implementation Plan, presently being updated within the Maritime Europe Strategy Action (MESA - FOSTER WATERBORNE) project, funded by the European Commission.

If you are part of the European maritime industry, we want to hear your views. All you have to do is register with an e-mail address and you can let us know what you think. Your input is valuable and will help to ensure that the views of all sectors of the maritime industry in Europe are heard. You will be able to opt to receive notifications of responses to your ideas, and to continue the online discussion.

**European Transport Research Conference, Warsaw, Poland - 18-21 April 2016 [TRA 2016]**

TRA 2016 was one of the most important European conferences on transport research, focusing on all of the research fields of the transport system. The conference’s topics address the main challenges in transport and mobility of people and goods, with respect to defence, energy, environment, safety and security and the economy issues. Results of the latest research on: road, rail, waterborne, cross-modal transport and airports will also be presented and discussed on the Arena.

The member organisations of TRA 2016 are the European Commission, the Conference of European Road Directors and the four European Technology Platforms on surface transport. Every two years, TRA is hosted by a different country, with TRA2016 being organised by the Ministry of Infrastructure and Development of the Republic of Poland and the Road and Bridge Research Institute.
In addition to a large stand in the Exhibition area, where a number meetings were held with the Commission, the waterborne community was active in TRA 2016 with presentation of a number of Papers, participation in the Poster Sessions, as well as the Plenary and two Panel Sessions, as follows:

PLENARY 1: Creating One Europe –The Role of Transport
STA2 - Human Factors, Safety and Acceptability in Automation
SWA1 - Low carbon and energy efficient transport systems

There were two specific WATERBORNE Sessions, involving 25 papers. In addition, the waterborne community were involved in other Sessions of cross-transport relevance:

TME1 - Infrastructure and Climate Change

• Study of global change impacts on the inland navigation management: application on the Nord-Pas de Calais network

TTE4 - Transport Infrastructure

• Facilities for bunkering of liquefied natural gas in ports

TWM3 – Inland Transport and Synchro-modality II

• An evaluation of current trends in container shipping industry, very large container ships (VLCSs), and port capacities to accommodate TTIP increased trade
• Newly computerized system for seamless management of enrolment and access in the port of Taranto

SETRIS [Strengthening European Transport Research & Innovation Strategies]

SETRIS is a two-year project that commenced on the 1st May 2015. It brings together five Transport European Technology Platforms (ETPs) – WATERBORNE for maritime transport, ERRAC for rail transport, ERTRAC for road transport, ACARE for air transport and ALICE for freight and logistics, into one consortium, coordinated by ECTRI (the European Conference of Transport Research Institutes) and Newcastle University. It has the following objectives:

1. To identify synergies between the transport European Technology Platforms’ (ETPs) Strategic, Research & Innovation Agendas (SRIAs) and between these and relevant National platforms;
2. To review and update the existing SRIAs for each of the transport ETPs within a multi-modal and integrated transport system framework;
3. To benchmark past and present research initiatives affecting the achievement of integrated transport SRIAs and market uptake;
4. To define comprehensive, credible and realistic implementation plans for each SRIA in a coordinated framework of running ETPs;
5. To support, shape and contribute to future TRA events.
The **Waterborne TP** is represented in SETRIS by SEA Europe, BMT and TNO. In addition to participating in development of multimodal SRIAs in relation to urban and long distance mobility and freight transport, **Waterborne TP** is reviewing and updating its own SRIA in relation to:

- Ports & Logistics, including inland waterways and short sea shipping
- Blue Growth transport issues, incl. specialist vessels and offshore platforms developed for support and logistics
- Green Shipping, incl. alternative fuels, vessel emissions, ballast water management, etc.

A methodology has been developed to evaluate past and ongoing relevant FP7 projects. This will be followed by a series of three workshops, with Maritime experts coming from main European industries and research centres, in order to discuss the assessment outcomes, with a view to updating the Strategic R&I programme. These will be held during September 2016. If you are interested in participating, please contact Cliff Funnell, at cf@sea-europe.eu.

Further information on SETRIS is available at http://newrail.org/setris/.

### Vessels for the Future 3rd General Assembly in Hamburg, 28th April 2016

The European Research Association ‘Vessels for the Future’ held its 3rd General Assembly in the Hamburg office of DNV-GL on 28th April 2016. The session was chaired by Dr Pierre Sames, the current Chairman of the Association, and progress reports on the 2015/16 activities were presented by the Executive Director Chris Campbell. Forty-one members of the Association attended the General Assembly and votes were called by the Chairman on a number of proposals, including confirmation of new members of the Association and replacement of Board Members, where vacancies had arisen during the year.

The RDI Road Map developed since the last General Assembly, and an abridged version highlighting the Research Priorities for the final phase of the European Commission’s Horizon 2020 work programme, were outlined before being offered for final technical review on the following day. The General Assembly agreed that the Road Map should form the basis for future communication with the European Commission relating to the 2018-20 work programme. Pierre Sames acknowledged the sterling work done by the Technology Groups in bringing the Road Map to fruition. Chris Campbell highlighted however, that this would not have been possible without the significant input and editorial work carried out by the Chairman. This latest edition of the Road Map and the Priorities Document take account of feedback received from the Commission.

Looking to the future, the Chairman of **Waterborne TP**, Willem Laros was invited to give a presentation on his proposals for a new Waterborne structure that would integrates Vessels for the Future as one of its pillars. Members debated the effect that the revised organizational arrangement would have on Vessels for the Future goals. The Board of Directors was tasked to explore this in more detail and to come back to the General Assembly with clear proposals about the best way forward.
Whilst it was recognized by the General Assembly that achieving a cPPP in a timeframe that would have a bearing on H2020 looks unlikely, there was support for the management to step up its efforts to influence the European Commission and push to get closer ties with the WATERBORNE TP.

Vessels for the Future
As an initiative of WATERBORNE TP the Vessels for the Future Research Association was launched in November 2014 with the aim of establishing a Contractual Public Private Partnership [cPPP] with the European Union under Article 187. As of May 2015, the Association has 59 members in 14 EU Member States. Members represent ship owners, shipyards, ship system suppliers, classification societies, research institutes, university departments and industry associations. The Association has proposed a multi-annual RDI roadmap that focuses on a small number of priority areas, including safer and efficient maritime transport, and developing a competitive industry to create new jobs.

Contact: Chris Campbell, Executive Director, chris.campbell@vftf.eu

Forthcoming Events:

➢ 4th European Maritime Policy Conference, Brussels - 28th June 2016

The 4th European Maritime Policy Conference will be held at the Sofitel Brussels Europe, on 28th June 2016. This important conference is aimed at Policy makers; maritime stakeholders, and the research community, and will consist of a small number of high-level presentations, a panel discussion, and Networking Cocktails.

Registration to the conference (free of charge) is compulsory. Please contact Delphine Fagot, SEA Europe on df@seaeurope.eu.

Presentations include:

• The role of Waterborne TP within the European Transport System - Christophe Tytgat, Secretary General, SEA Europe

• European Maritime Technology – Challenges and threats for European Shipyards and Marine Equipment Manufacturers in the next decade - Kjeld Dittmann, CEO Wärtsilä Lyngsø Marine A/S, SEA Europe Chairman

• MESA – The Updated Waterborne Vision, Strategic Research & Innovation Agenda, and Implementation Plan - Cliff Funnell, MESA Project Co-ordinator; Henk Prins, Research & Development Manager MARIN; Ken Wittamore, ICOMIA

• Impacts of Waterborne Research – Success stories - Mario Dogliani, Technical Director CESA, SEA Europe

• Naval Defence in Europe - How can the EU assist in meeting the Naval Industry’s challenges in innovation?
• What’s next with Maritime R&D?
  • Waterborne TP 2.0 - Willem Laros, Chairman Waterborne TP
  • The Vessels for the Future RDI Roadmap - Pierre Sames, Chairman Vessels for the Future
  • Delivering customer led innovation -Carla Demaria, Monte Carlo Yacht’s President
  • The European Commission’s future perspective of Maritime R&D - Fotis Karamitsos, Acting Director General DG MOVE; Liam Breslin, Head of Unit Surface Transport DG RTD

➤ MESA “The Connected Ship and Shipping” Workshop, Brussels – 29th June 2016

This Workshop is concerned with “The Connected Ship and Shipping”, with presentations by the European Commission, Rolls Royce, MARINTEK, and the Swedish Maritime Association. Subjects will be two autonomous ship projects, the regulatory framework for unmanned ships, sea traffic management, and maritime cyber security. These presentations will help identify future innovation, security, and regulatory needs, as well as research and development priorities.

Fully autonomous ships are expected to operate unmanned in the not-too-distant future, and innovative technology companies and research organisations are already developing the elements of the concept. Smart ships with improved connectivity and reduced manning offer an intermediate step on the way to fully autonomous ships. But is the technology running ahead of practical considerations, and is the Achilles’ heel the inability to guarantee software security?

One of the main aims of this workshop is to understand current research and development for Smart and Autonomous ships and sea traffic management. The workshop will help clarify these issues and provide a better understanding of what further research and development is needed to realise the concepts of Smart and Autonomous ships by 2030.

The participants of this workshop will include the European Commission, Maritime Industry and Associations, Classification Societies, Research Organisations, Universities and Institutes, and the WATERBORNE TP Support and Mirror Groups.

To register please write an informal email to Tony Morrall tmorrall@bmtmail.com giving your name, organisation, job title, and an indication that you will attend.

SUPPORTED BY

Maritime Europe Strategy Action