



# EUROPEAN MARITIME DAY

*"Innovation driving Blue Growth"*

Bremen, Germany, 19-20 MAY 2014

Congress Center Bremen

Draft version: 28 April 2014

7.30

Opening of registration in Bremen Congress Centre

09.00-10.30

## **1<sup>st</sup> Set of Stakeholders workshops**

09.00-10.30

### **"Bridging education and maritime economy in the Baltic Sea Region"**

→ **Room: FOCKE-WULF SAAL**

Organisers:

Gdynia Maritime University, Polish Maritime Cluster, Department Maritime Systems (University of Rostock)

*The workshop focuses on smart strategies and practical approaches to link maritime education to real business needs and responding to a changing maritime job market in the South Baltic Sea Region. Thereby people, skills and the economy will be considered, educational, economic, employment and entrepreneurship agendas will be spanned and new forms of international cooperation will be stressed. Thanks to the involvement of various stakeholders, the workshop aims at providing a comprehensive and holistic perspective and addresses the most vital issues of a modern maritime education. Although locally accomplished, these approaches can also be considered as best practice examples for other regions to meet the demand of highly skilled maritime experts and to give solutions how to enhance youth employment.*

09.00 - 10.30

### **"Satellite technology for maritime security and safety"**

→ **Room: BORGWARD SAAL**

Organisers:

*NEREIDS and DOLPHIN Copernicus projects and the German Aerospace Center (DLR)*

*The workshop aims to describe to (existing and potential) users and policy makers how satellite-based technologies and Copernicus (the European Earth Observation programme) contribute to maritime security, safety, marine environmental protection and therefore to Blue Growth. The workshop will aim to communicate the results achieved in the framework of European Research and Development projects and to highlight the importance of these contributions towards a more integrated approach to the sharing of data, intersecting the fields of space technology and maritime surveillance.*

09.00 - 10.30

### **"From Ocean Observation to Innovation - Access to world-class marine knowledge and infrastructure enables innovation"**

→ **Room: KAISEN SAAL**

Organisers:

Alfred-Wegener-Institut Helmholtz-Zentrum für Polar- und Meeresforschung; National Oceanography Centre

*Ocean observation presents a big challenge particularly in view of multidisciplinary scientific questions with increasing complexity. Ocean monitoring is a prerequisite for a sustainable use of our oceans and operational surveillance for safety and security purposes. Tackling these challenges is possible only in the framework of international cooperation and networking and can only be achieved if large ocean areas are covered and international standards are agreed on.*

09.00 - 10.30

### **"Multi-use Offshore platforms as innovation spearheads for sustainable maritime economy"**

→ **Room: SALON DANZIG**

Organisers: Oceanic Platform of the Canary Islands; Enerocean S.L; AWS Truepower; Technical University of Denmark

*Three multi-use offshore platform consortia (encompassing the EU projects H2OCEAN, TROPOS and MERMAID) are developing innovative designs that will result in new business models to become key players for the future offshore economy. The progress achieved so far on combining sustainable uses like diverse renewable energies and offshore aquaculture in synergistic and cost-effective ways will be shown at this workshop, and the next necessary steps (towards technical and commercial viability through innovation) discussed with key stakeholders from policy and industry.*

09.00 - 10.30

### **"Working Together for a Clean, Smart and Safe Baltic Sea"**

→ **Room: LLOYD SAAL**

Organisers: Baltic Sea Parliamentary Conference, Council of the Baltic Sea States, Baltic Sea States Subregional Cooperation, Helsinki Commission, Visions and Strategies around the Baltic, Joint Baltic Sea Research and Development Programme, Baltic Development Forum, Baltic Sea Forum, Northern Dimension Partnership on Transport and Logistics, ShortSeaShipping.

*This workshop aims to promote an enhanced dialogue on maritime issues in order to turn the Baltic Sea region into a maritime model region in Europe for sustainability, competitiveness and living conditions of its citizens. Areas of common interest will be identified with a view of joint initiatives and better coordinated activities in the field of maritime issues.*

09.00 - 10.30

### **"Opportunities for blue and sustainable growth in the North Sea Region"**

→ **Room: SALON LONDON**

Organisers: North Sea Commission (geographical Commission within the Conference of peripheral maritime regions).

*The North Sea region is one of the most prosperous parts of the EU. While there are regional or maritime strategies for the Baltic Sea or the Atlantic Sea, a coherent development approach for the North Sea is still missing. The North Sea Commission's strategy paper "North Sea Region 2020" already provides a framework for a coherent development of the North Sea and identifies strategic*

*priorities. Against the background of the EP's approval for a preparatory Action for the North Sea region it is time to discuss how to unlock the growth potential in the North Sea region as well as the added value of a coherent strategy for this sea basin.*

10.30-11.00

Coffee break

11.00-12.30

## **2<sup>nd</sup> Set of Stakeholders workshops**

11.00-12.30

### **"Regional clusters working together for innovation in SMEs and Blue Growth"**

→ **Room: FOCKE-WULF SAAL**

Organisers:

Maritime Cluster Northern Germany, Technopôle Brest Iroise (France), Region Pays de la Loire (France)

*Clusters, innovation agencies and networks play a crucial role in helping SMEs to seize opportunities for Blue Growth. They generate common market places for knowledge exchange, encourage cross-fertilization and collaborative innovation and provide impulses through internationalisation. What are best practices/strategies at local/ cross-regional level to be transferred? How can cooperation through clusters and technopoles foster competitiveness? Testimonies from various clusters show how to engage actors from enterprise, research and policy into effective collaboration.*

11.00 - 12.30

### **"Limits to Blue Growth in the Deep Sea"**

→ **Room: BORGWARD SAAL**

Organisers:

World Wide Fund For Nature (WWF) – Hamburg, Germany; Institute for the Law of the Sea and International Marine Environmental Law (ISRIM) – Bremen, Germany

*This workshop will address the sustainability issues around deep sea mining (Deep sea mining in the context of international and European law; Legal and environmental options for defining its sustainability; economic expectations vs. environmental constraints), the lessons learnt from deep sea fisheries, the requirements by the Marine Strategy Framework and/or Habitats Directives and related policies. It will look at a case study on massive sulphide mining at Mid-Atlantic Ridge.*

11.00 - 12.30

### **"From marine observations and data to information, knowledge and blue growth: towards an integrated end-to-end European Ocean Observing System (EOOS)"**

→ **Room: KAISEN SAAL**

Organisers:

Secretariat of EMODnet (European Marine Observation and Data Network) and EuroGOOS (European Global Ocean Observing System)

*This workshop will introduce, explore and define key components of a fully functional end-to-end system for European ocean observation, emphasising the need for close collaboration between science and industry for new technologies and new services in support of Blue Growth. It will provide insight in key efforts along the life path from marine observations and data up to information, products and knowledge for users such as the European Marine Observation and Data network (EMODnet) and the European Atlas of the Seas. It will showcase new sea-basin level approaches to evaluate marine data availability and observation capacity from a use-perspective and look ahead at current bottlenecks and future requirements.*

11.00 - 12.30

### **"Added value from Transboundary Maritime Spatial Planning – lessons from four European sea basins"**

→ **Room: SALON DANZIG**

Organisers:

Federal Maritime and Hydrographic Agency; Maritime Institute in Gdansk; University of Liverpool

*Maritime spatial planning (MSP) is a key tool for balancing environmental, social and economic objectives for the sea. The international dimension inherent in many maritime activities, as well as the ecosystem approach, mean that a transboundary approach to MSP will increasingly be required. This workshop is based on lessons in transboundary MSP in four regional seas: the Atlantic (TPEA - Algarve / Gulf of Cadiz and East Coast of Ireland / Irish Sea), the Baltic (PartiSEApate), the North Sea (North Sea Grid Initiative), and the Mediterranean (AdriPlan).*

11.00 - 12.30

### **"Heading towards Sustainable Shipping: innovations driving efficiency and reducing emissions"**

→ **Room: LLOYD SAAL**

Organisers:

Centre for Environment and Sustainability (GMV) and the Lighthouse Maritime Competence Centre, at Chalmers University of Technology/University of Gothenburg; VDR-German Shipowners' Association

*The objective of the workshop is to discuss the potential of innovative solutions to decrease the impact of shipping on climate change and public health. Examples of interesting solutions already on the market, as well as future more radical solutions, will be highlighted. A recently released report by EPSD, addressing more aspects of sustainable shipping will be presented. In the end, there will be an interactive session to discuss with the audience the options for a path forward, in a European and a global perspective.*

11.00 - 12.30

### **"Fuelling Blue Growth with Ocean Energy"**

→ **Room: SALON LONDON**

Organisers:

Ocean Energy Europe

*Ocean energy is the next generation of offshore renewable energy which will create opportunities for (Blue) growth, job creation, energy security and exports across the EU. 2014 has seen unprecedented levels of support for ocean energy,*

*with the launch of the European Commission's 'Communication on Blue Energy'. This workshop will explore what this support means for the sector, present a roadmap for market deployment from the SI Ocean project, outline a pioneering project and the challenges it faces and explain what we can expect to see from this exciting sector in the coming decade.*

11.00 - 12.30

## "ICT - Next game changer for future efficient and secure maritime logistic chains"

→ **Room: SALON SCHAROUN**

Organisers:

ISL Institute of Shipping Economics and Logistics; DNV GL – Maritime Swedish Maritime Administration

*The role of ICT in optimising maritime logistics chains is still underestimated. The workshop focuses on ICT impacts and improvements in the following issues: Sea Traffic Management with dynamic route exchange, shipping operations, maintenance and automation, and intermodal maritime logistics chains. Apart from efficiency also security, safety, environmental aspects will be touched.*

12.30-14.00

Lunch

14.00-14.20

## Welcome to European Maritime Day 2014

Joint welcome address from Host country

**MR ALEXANDER DOBRINDT**, German Federal Minister for Transport and Digital Infrastructure

**MR JENS BÖHRNSEN**, President of the Senate of the Free Hanseatic City of Bremen

→ **PLENARY room**

**Interpretation in EN-DE-FR, passive GR**

14.20-14.30

## Overview of programme

**MR. VERNER KRISTIANSEN**, moderator of the day, identifies participants' expectations and gives an overview of Day One

14.30-15.20

## Keynote speeches

**MS MARIA DAMANAKI**, Commissioner for Maritime Affairs and Fisheries, European Commission

**MR MATTHIAS GROOTE**, Member of the European Parliament

**MR MILTIADIS VARVITSIOTIS**, Minister of Shipping, Maritime Affairs and the Aegean, Greece

→ **PLENARY room**  
Interpretation in EN-DE-FR, passive GR

15.20-15.30

**Prize ceremony for students' video contest "Marlisco project"**

A short video screening will be followed by an award ceremony.

COMMISSIONER DAMANAKI will present the awards to the winner of each of the 14 countries participating in the MARLISCO video competition.

→ **PLENARY room**  
Interpretation in EN-DE-FR, passive GR

15.30-16.00

Coffee break

16.00-17.30

**Plenary session 1**

**"Drivers for innovation in the maritime economy"**

*How can we unlock the potential for innovation and growth in the blue economy?*

*Making better use of the ocean could supply the Earth's growing population with valuable resources and job opportunities. However, lack of knowledge, of market instruments, of cooperation are bottlenecks for progress and innovation. Discussions will be held on how emerging knowledge, technologies and research can attract highly skilled professionals and increase innovation in the blue economy, making sure that Europe can take a lead role in in this process.*

**Moderator:** MR. VERNER KRISTIANSEN

**Panelists:**

- MR UWE BECKMEYER, Parliamentary State Secretary, German Federal Ministry for Economic Affairs and Energy
- MS SIAN GEORGE, CEO, Ocean Energy Europe
- MR LUCIEN HALLEUX, Director, G-Tec
- MR JOHN TANZER, Director, WWF Marine Programme
- MR PHILIPPE VALLETTE, Director General, Nausicaa
- PAUL HOLTHUS, Founding CEO and President, World Ocean Council

→ **PLENARY room**  
Interpretation in EN-DE-FR, passive GR

18.00-20.30

**Networking reception at Übersee-Museum**

**Prize ceremony of the Baltic Sea Clean Maritime Award**

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7.30

Opening of registration in Bremen Congress Center

09.00-10.30

### **3<sup>rd</sup> Set of Stakeholders workshops**

09.00-10.30

#### **"How to Drive Innovation and Improvements in Fisheries"**

→ **Room: FOCKE-WULF SAAL**

Organisers:

Marine Stewardship Council (MSC)

*Safeguarding our planet's maritime resources is one of the most pressing environmental challenges of our time. Well managed and sustainable fishing is essential for healthy oceans, livelihoods, food security and economies worldwide. The objective of the workshop is to introduce participants to the MSC program as a market-based solution to overfishing and ecosystem degradation. MSC experts together with workshop participants will discuss how the MSC certification scheme incentivises innovation and improvements in fisheries to become more sustainable, for all that depends on it.*

09.00 - 10.30

#### **"Innovative products from the sea – Marine contributions to the bio-based economy"**

→ **Room: BORGFWARD SAAL**

Organisers:

Ministry of Economic Affairs, Employment, Transport and Technology Schleswig-Holstein (Germany) & Region Västra Götaland (Sweden)

*Bioenergy, medicines and plastics from the sea? The expectations from society and market towards the marine bio based economy to develop new innovative products have risen during recent years. How can cooperation across borders contribute to fostering smart and conscious uses of marine resources in Europe? And which bottlenecks remain to be tackled, e.g. in technology development? These are questions to be discussed during the workshop, which builds on some examples of different European projects.*

09.00 - 10.30

#### **"Let's make it really blue – SUSTAINability, capabilities and business opportunities in the Northern European Seas"**

→ **Room: KAISEN SAAL**

Organisers:

BONUS, the joint Baltic Sea research and development programme in collaboration with BSR Stars; City of Turku in collaboration with Meridien – Maritime Innovation Hub

*This workshop will give an overview of the opportunity and challenge of sustainability in the blue growth business. It will present the case of the Baltic Sea through newly funded BONUS & BSR Stars innovation projects. It will make the case of the Arctic business opportunities based on sustainability and transferable*



*competence that improve safety and cost-efficiency of maritime activities in ice conditions.*

09.00 - 10.30

### **"Blue Growth Funding Opportunities"**

→ **Room: SALON DANZIG**

Organisers:

Federal Office for Building and Regional Planning, Baltic Sea Region Programme – Joint Technical Secretariat, North Sea Region Programme – Joint Technical Secretariat, INTERACT Point Viborg

*If you have an idea for an international Blue Growth project dealing with innovation or maritime technologies in northern Europe, this workshop is the place for you to be. Several funding Programmes for transnational and cross-border cooperation in the North and Baltic Sea regions will explain their funding opportunities for 2014 to 2020: Which topics? Who can participate? How much money is available? How to set up a project? Next to facts and figures, project managers will reflect on key factors that made previous transnational projects successful.*

09.00 - 10.30

### **"Ocean Literacy"**

→ **Room: LLOYD SAAL**

Organisers:

Ciência Viva – Agência Nacional para a Cultura Científica e Tecnológica, Portugal and UNESCO, Convention on the Protection of the Underwater Cultural Heritage (2001)

*Improving education and citizen awareness on the ocean contributes to more informed decisions and to a better governance of the sea. Ocean literacy includes all areas of knowledge, from biodiversity to geology, from climate science to underwater cultural heritage. It addresses formal and non-formal education, involving schools, science centers, museums. It leads to the production of resources and to a sustained presence in the media.*

09.00 - 10.30

### **"Ports and Coasts at Threat"**

→ **Room: SALON LONDON**

Organisers:

Deltares, Delft, Netherlands; UNESCO-IHE, Delft, Netherlands; Hamburg Institute of International Economics

*Ports and coasts are under threat due increased hydro-meteorological hazards and large investment, which increase the consequences. These include direct damage to infrastructure, but also indirect damage, as supply lines are disrupted. Impacts also concern the environment, societal and cultural assets. This workshop will introduce EU projects RISC-KIT and PEARL and work from German projects, and show how the integration of natural, socio-cultural, economic, ecologic and political research enhances resilience and reduces risks for the ports and estuaries of Kiel, Hamburg and Bremen.*

09.00 - 10.30

### **"Knowledge based Cooperative Maritime Security for the Future"**

→ **Room: SALON SCHAROUN**

**Organisers:** European Organisation for Security and European Coast Guard Functions Forum

*The workshop is focused on needs and modalities to launch a public-private collaboration for developing the future Maritime Security on innovative concepts: enhanced awareness capabilities; full cross-sectoral and cross-border cooperation; extended Common Information Sharing Environment (CISE); flexibility and synergies in the assets' markets at EU level. This strategic choice improves effectiveness and efficacy of interventions at sea, enhancing citizens' security & safety while reducing operational costs and improving economic activities.*

09.00 - 10.30

## "Sustainable extraction of marine resources from the deep sea"

→ **Room: HANSE SAAL**

**Organisers:** Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI) and International Association of Oil and Gas Producers (OGP)

*Innovation in extracting industries, deep sea mining and offshore oil and gas, can contribute to a better knowledge of the marine environment and to a sustainable marine growth. Autonomous and intelligent systems from satellite imaging (geo-referenced) to ROVs (Remote Operating Vehicles) are used more and more for environmental monitoring and supporting activities. The workshop will analyse opportunities and challenges by considering existing technologies, knowledge and experience.*

10.30-11.00

Coffee break

11.00-12.30

## Thematic Sessions

### Thematic Session 1

#### "Innovation for the benefit of maritime communities"

*What are the current innovation trends and factors for the diversification of shipyards and equipment manufacturers into new business areas such as offshore energy and the greening of shipping? The session will bring together enterprises and clusters that have adopted new business models in different segments of the supply chain. In particular it addresses the interrelationship between technical and process innovation and measures taken to obtain a workforce with the necessary skills as key elements for competitiveness.*

**Moderator:** [MR PHILIPPE BRUNET](#), Director for Aerospace, Maritime, Security and Defence Industries, Directorate-General for Enterprise and Industry

**Speakers:**

- [MR TOR EGIL SVENSEN](#), CEO Maritime Business, DNV-GL
- [MR SAULI ELORANTA](#), Executive Vice President, Engineering & Technology, Rolls-Royce Marine
- [DR FLORIAN KLUWE](#), Head of R&D, Flensburger Schiffbau Gesellschaft

- MR ANDREAS WELLBROCK, Member of the Board of Management BLG Logistics Group
- MR ARJEN UYTENDAAL, Managing Director of Nederland Maritiem Land

→ **Room: KAISEN SAAL**

## Thematic session 2

### "Ocean technologies, investment for sustainability"

*This session will discuss how innovation in ocean technologies can offer solutions for sustainable economic growth while contributing to better understanding and protection of marine ecosystems. Based on concrete examples, the session will address a wide array of innovative technologies (i.e: biotechnologies, observing, sensing technologies and deep-sea technologies) that will in turn deliver benefits for activities such as aquaculture, energy, food safety, ocean and human health. It will also look at the technological challenges that need to be addressed to support complex industrial operations at sea/offshore/deep-sea. This is a prerequisite to boost the sustainable development of maritime activities at sea in different challenging environments.*

**Moderator:** MR. KURT VANDENBERGHE, Director for Directorate Climate action and resource efficiency, Directorate-General for Research and Innovation, European Commission

#### Speakers:

- MR JEAN-PAUL CADORET, Director of the Biotechnologies & marine resources Unit, IFREMER
- PROF. FIONA REGAN, Associate Professor, Dublin City University
- DR JOSÉ JOAQUIN HERNANDEZ BRITO, Manager, PLOCAN (Consortio para la Construcción, Equipamiento y Explotación de la Plataforma Oceánica de Canarias)
- MR JULIEN DENEGRÉ, Business development and technology valuation, TECHNIP Innovation & Technology Center
- PROF. KARIN LOCHTE, CEO, Alfred Wegener Institute

→ **PLENARY room**

**Interpretation in EN-DE-FR, passive GR**

## Thematic session 3

### "Innovation to promote maritime security and safety"

*Innovation and technological developments could improve maritime governance and protect the EU's strategic maritime interests. This session aims to discuss the challenges and new opportunities in terms of maritime security and safety. Important issues are the effective surveillance of European waters, the protection of onshore infrastructures and offshore installations, as well as the best use of existing technologies such as satellite and multiple ones for maritime security and safety purposes.*

**Moderator:** MR STEPHAN LECHNER, Director of the Institute for the Protection and Security of the Citizen, Joint Research Centre

## Speakers:

- MR HOLGER KLINDT, Director of Civil Programmes, Atlas-Elektronik
- PROF ARMANDO MARQUES GUEDES, NOVA law and IESM
- MR LARS PÅLSSON, Head of Group Security, Corporate Security Stena Line Group
- MR MICHAEL KINGSTON, Associate Partner, Insurance - Marine Trade & Energy DWF Fishburns LLP

→ **Room: BORGWARD SAAL**

12.30-13.30

Lunch

13.30-14.45

### Plenary session 2

#### "A maritime vision for innovation: lessons from European Maritime Day"

*After two days of discussions on all aspects of maritime innovation, the participants in this plenary session will aim to frame the main conclusions in the context of the European Maritime Policy, and translate the ideas and proposals into a mandate for policy makers in the coming years.*

**Moderator:** MR VERNER KRISTIANSEN

## Panelists:

- MS ANNIKA ANNERBY JANSSON, President of CPMR President
- MS GESINE MEISSNER, Member of the European Parliament
- MS TERESA GOUVEIA, Trustee of the Calouste Gulbenkian Foundation
- MS DILEK AYHAN, State Secretary, Norwegian Ministry of Trade, Industry and Fisheries
- MR KARL FALKENBERG, Director-General for the Environment, European Commission
- MS LOWRI EVANS, Director-General for Maritime Affairs and Fisheries, European Commission

→ **PLENARY room**

**Interpretation in EN-DE-FR, passive GR**

14.45-15.00

### Official closing of EMD 2014

Moderator VERNER KRISTIANSEN asks participants to identify highlights of EMD 2014 followed by official closing

MR MARTIN GÜNTNER, Senator of Economic Affairs, Labour and Ports of the Free Hanseatic City of Bremen, Germany

MR VASSILIS MICHALOLIAKOS, Mayor of Piraeus

→ **PLENARY room**

**Interpretation in EN-DE-FR, passive GR**