



# European Maritime Day 2016

**"Investing in competitive blue growth  
- smart and sustainable solutions"**

*18-19 May, Turku, Finland*

**Venue:** LOGOMO Conference Centre, Köydenpunojankatu 14, Turku 20100 [www.logomo.fi](http://www.logomo.fi)

**Interpretation** will be provided exclusively in the Plenary Room. Participants may intervene in English, Finnish, French, German, Italian, Polish, Russian, Spanish and Swedish. Interpretation is provided into English, French and German.

**Bus shuttles** are provided for the networking reception on 18 May at Forum Marinum and for the airport of Turku at the end of the conference.

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European Maritime Day is the **annual meeting point for Europe's maritime community to network, discuss, and forge joint action**. Its ninth edition will take place in Turku, Finland. Join us for a stimulating conference on 18-19 May 2016 and an attractive lineup of activities for the general public on 20-22 May 2016!

The conference will provide **strong input to shape future policies and the practical steps needed to drive innovation and change in the blue economy** and the wider maritime policy agenda. It will **focus on smart and sustainable solutions** for blue growth, ocean governance, clean energy and maritime skills development and it will look at tools to facilitate joint action. Throughout, there will be a particular focus on specific regional challenges and opportunities.

### Wednesday, 18 May

- |               |   |
|---------------|---|
| 08.00 – 09.00 | Registration and Welcome Coffee   |
| 09.00 - 10.30 | <b>Thematic Stakeholder workshops (first set: 1-6)</b><br><i>Stakeholders organise their own workshops. See details page 8.</i> |
| 10.30 – 10.45 | Coffee Break  |
| 10.45 - 12.15 | <b>Thematic Stakeholder workshops (second set: 7-13)</b>  |
| 12.15 – 13.30 | Networking Lunch  |
| 13.30 – 15.00 | <b>Thematic Stakeholder workshops (third set: 14-20)</b>  |
| 15.00 – 15.30 | Networking Coffee   |
| 15.30 – 16.30 | <b>Opening Session</b>  |

**Karen Coleman** Moderator of the conference

Welcome by **Alexi Randell**, Mayor of Turku

Opening remarks by **Karmenu Vella**, European Commissioner for Environment, Maritime Affairs and Fisheries

Video message by **Jyrki Katainen**, Commission Vice-President for Jobs, Growth, Investment and Competitiveness



Scene setter: Vice Admiral, **Mark Mellet**, DSM, Chief of Staff Defence Forces Ireland, Co-founder Irish Maritime Research Cluster

16.30 - 18.15 **Leadership Exchange I: Investing in the Blue Economy**

*Investing in the blue economy is a great economic opportunity for the EU if it is done right and in a coordinated way. How can we invest not only in blue growth but also in green growth, in solutions for healthy seas and oceans and a circular economy, and what kind of strategies and governance do we need to drive transformations and ensure sustainable growth?*

**Karen Coleman** Moderator of the conference

**Karmenu Vella**, European Commissioner for Environment, Maritime Affairs and Fisheries

**Kimmo Tiilikainen**, Minister of Agriculture and the Environment, Finland

**Markku Markkula**, President, Committee of the Regions

**Gesine Meissner**, MEP, Chair Intergroup Seas, Rivers, Islands and Coastal Areas

**Bernard Meyer**, President, CESA (Community of European Shipyards' Association)

**Lasse Gustavsson**, Executive Director in Europe, Oceana

18.30 "Eat my Turku" networking reception at Forum Marinum (shuttles buses available)

**Thursday, 19 May**

08.00 – 08.30 Welcome Coffee

08.30 - 10.30 **Thematic Sessions**

*These focused, thematic sessions will explore what is needed to drive transformational change in different areas of the integrated maritime agenda and highlight good practice in terms of smart and sustainable solutions. Each session will feature a panel followed by a structured discussion to identify action points and commitments to take by the EU, governments, business actors and civil society.*

**Thematic Session I: Investing in blue growth**

→ Room: Logomo Hall

Chair: **Slawomir Tokarski**, Director of Innovation and Advanced Manufacturing, Directorate General Internal Market, Industry, Entrepreneurship and SMEs (DG GROW), European Commission

Rapporteur: **Pierre Erwes**, Chairman, Biomarine International Cluster Association

***The maritime economy offers significant scope for growth, based on innovation and clusters. This session will highlight how maritime clusters can support investments in smart and sustainable solutions and new value chains. It will also present and discuss how investing in digitisation as well as in Key Enabling***

***Technologies such marine biotechnology and bio-economy can boost competitiveness and help transform the blue economy.***

Speakers:

**Ann Overmeire**, Coordinator, Flanders' Maritime Cluster

**Ilkka Rytkölä**, Portfolio Manager, Digitalisation, Wärtsilä

**Angela Schultz-Zehden**, Managing Director, SUBMARINER Network, BSR Flagship

**Ilkka Herlin**, Chairman of Cargotec; Chairman of Board, Baltic Sea Action Group

**Kerstin Brunnstrom**, Regional Councillor of Vastra-Gotaland, Vice-President of CPMR North Sea Commission

**Thematic Session II: Improving ocean governance**

→ Room: LOG1&2

Chair: **Karl Falkenberg**, Senior Adviser, Policy Strategy Centre, European Commission

Rapporteur: **Takehiro Nakamura**, Senior Programme Officer, International Waters, Division of GEF Coordination, UNEP

***The international debate on modernizing ocean governance is increasingly gaining momentum. Ocean governance is about having in place mechanisms and practices that allow us to use marine resources sustainably and maximise economic benefits, while keeping our oceans healthy, clean and safe. This session will explore which actions and commitments are needed at different levels: global, European, local.***

Speakers:

**Cleopatra Dombia-Henry**, President, World Maritime University

**Frigg Jørgensen**, Executive director, Association of Arctic Expedition Cruise Operators (AECO)

**Lasse Gustavsson**, Executive Director in Europe, Oceana

**Martin Stuchtey**, Director, McKinsey Center for Business & Environment

**Christine Valentin**, Chief Operating Officer, World Ocean Council

**Thematic Session III: Boosting skills development**

→ Room: LOGI3

Chair: **Chris Shirling-Rooke**, CEO Mersey Maritime, Maritime Knowledge Hub

Rapporteur: **Jan Boyesen**, Business Development Manager, Maritime Development Center of Europe

***A modern maritime sector requires an increasingly skilled workforce. Industry in particular is calling for new skills that enable the maritime workforce to apply new technologies, respect new standards and work in international teams across disciplines and sectors. More efforts need to be done to attract young people to the relevant education paths for the marine and maritime sectors. This session will explore the main skills-related issues and challenges across the different blue economy sectors, including those related to working in an Arctic environment, and present related good practices and recommendations for future initiatives at local, national and European level.***

Speakers:

**Philippe Monbet**, European Project Manager, Pole Mer Bretagne Atlantique / Sea Innovation Business Cluster

**Jaap Gebraad**, Board Secretary, Stichting STC-Group

**Tiina Tuurnala**, Deputy Director General, Finnish Transport Agency

**Anna Pyc**, Vice President, Polish Trout Breeders Association

**Anita Teo**, Research and Technology Manager, Rolls-Royce

#### **Thematic Session IV: Harnessing clean energy**

→ Room: MOVE2

Chair: **Efstathios Peteves**, Head of Unit, Joint Research Centre, European Commission

Rapporteur: **Iván Pineda**, Director of Public Affairs, WindEurope

***Decarbonisation and the support for innovative energy solutions are key priorities of the EU Energy Union agenda. Offshore renewable energy resources such as wind, waves, tides and differences in temperature and salinity offer a huge potential to deliver low-carbon electricity to our homes and create new jobs in the process. However, unlocking this potential requires significant aligned investments into generation, transmission, port and research infrastructure. This session will discuss where to best focus these investments and how to strengthen coordination.***

Speakers:

**Zoé Buyle-Bodin**, Policy Officer, Normandy region – Brussels representation

**Raquel Hughes**, Investor Relations Director, Tidal Lagoon Power

**Heli Antila**, Chief Technology Officer, Fortum

**Pedro Valverde**, EDP INOVAÇÃO

## Thematic Session V: Facilitating joint action

→ Room: MOVE1

Chair: **Sigi Gruber**, Head of Unit, Directorate General Research and Innovation, European Commission

Rapporteur: **Jan Larosse**, Senior Policy Analyst, Directorate General for Regional and Urban Policy, European Commission

***Strategic transnational cooperation, investment roadmaps and demonstration projects are increasingly seen as important tools to catalyse and coordinate actions across borders. In promoting joint action they can create critical mass and scale, accelerate the market uptake of smart and sustainable solutions and strengthen the global competitiveness of clusters. This session will explore how such tools can create synergies, support joint action and harness blue growth business and development opportunities.***

Speakers:

**Pier Francesco Moretti**, JPI Oceans

**Monika Stankiewicz**, Executive Secretary, HELCOM

**Valerie Cummins**, Director of Irish Maritime and Energy Research Cluster

**Fabio Fava**, Professor, Industrial Research and Innovation, Università di Bologna

**Jouko Putkonen**, Wind Power Expert, Oy Merinova Ab

10.30 – 11.00 Coffee Break

11.00 – 12.00 **Reporting-back session (Plenary)**

*Report back from the thematic sessions: What have we learned? What recommendations can we make for policy strategy and implementation, for business actors and civil society? Which concrete actions and commitments can we take to drive the blue economy forward? This session will also aim to collect some of the outcomes of the stakeholders' discussions.*

12.00 - 13.00 Networking lunch

13.00 -14.30 **Leadership Exchange II: Learnings and actions**

*What are the most important issues and recommendations that have emerged from the five thematic sessions? How can we drive innovation and change in the maritime economy? What are practical steps to take some of the conclusions forward?*

**Karen Coleman** Moderator of the conference



PRIME MINISTER'S OFFICE  
FINLAND



**Sirpa Pietikäinen**, Member of European Parliament

**João Aguiar Machado**, Director General, Directorate General for Maritime Affairs and Fisheries, European Commission

**Antti Peltomäki**, Deputy Director General, Directorate General for Internal Market, Industry, Entrepreneurship and SMEs (DG GROW)

**George Alexakis**, Vice-President of CPMR in charge of Maritime Affairs, Regional Councillor of Crete (Conference of Peripheral Maritime Regions of Europe)

**Tim Cornelius**, CEO Atlantis Resources Ltd & Chairman of the MeyGen Project

14.30 -15.00

### **Closing session**

**João Aguiar Machado** Director General, Directorate General for Maritime Affairs and Fisheries, European Commission

**Aleksi Randell**, Mayor of Turku

**Xena Dion**, Mayor of Poole

15.00

End of conference

More information: <https://ec.europa.eu/maritimeaffairs/maritimeday/en/turku-2016>

## Stakeholders Workshops – 18 May

*Stakeholders organise their own workshops. Each workshop will prepare practical recommendations on how to achieve transformative change in the five main focus areas of the EMD 2016 and on what kind of actions and commitments stakeholders can take.*

09.00 - 10.30      **Thematic Stakeholder workshops (first set: 1-6)**

09:00 – 10:30      **Cruising: effective solutions for responsible growth**

→ Room: LOGI1

Organiser: Baltic Marine Environment Protection Commission (HELCOM); Cruise Lines International Association (CLIA)

*The workshop will present the audience with state-of-the art developments in the cruise industry and the potential for maritime stakeholders' cooperation for responsible growth. The cruise industry has a proven record of adding significant economic value to Europe. Only by acting together, the potential of blue economy can be unlocked. The participants and speakers will together discuss challenges and concrete suggestions to remove bottlenecks for a prosperous future of cruising and a sustainable maritime economy.*

Moderator:

**Hermanni Backer**, Professional Secretary, HELCOM

Speakers:

**Tom Strang**, Chair of the CLIA Europe Environment, Safety and Security Subcommittee

**Anna Petersson**, Swedish Transport Agency

**Pauli Merriman**, Director of the WWF Baltic Ecoregion Programme

**Kirsti Tarnanen-Sariola**, Deputy Director of the Finnish Port Association (tbc) / European Sea Ports Organisation (ESPO)

09:00 – 10:30      **Capacity development in maritime spatial planning**

→ Room: LOGI3

Organiser: Baltic University Programme; Åbo Akademi University

*Rapidly growing interests in marine resources and the development of various marine activities call for more coordinated actions towards*



*the efficient use of marine space and resources. The aim of the workshop is to produce a set of recommendations for a future oriented MSP-education, with the regional or sea basin aspects, the core contents of MSP education, the cross-border/international nature of it and the organization including cooperation, format and level. Focus is also on pooling existing knowledge on the sea and sea resources, which again calls for international trainings in MSP.*

Speakers:

**Lars Emmelin**, Professor em, UNESCO chair in Education for Sustainability in Spatial Planning, Blekinge Technical Institute, Sweden

**Jacek Zaucha**, Professor, Maritime Institute in Gdansk and Department of Economics, University of Gdansk, Poland

09:00 – 10:30

### **Improved maritime knowledge for blue growth and ocean governance**

→ Room MOVE1

Organiser: European Commission, Joint Research Centre; EU Horizon 2020 Project AtlantOS

*Integrated ocean knowledge is a key prerequisite for effective ocean governance, thus close interaction between actors of ocean policy and ocean observation is required. Data-driven knowledge will support the scientific, economic, policy and societal value chains, fostering sustainable development of the oceans. This workshop provides a platform to debate the contributions of integrated ocean observation and maritime big data towards ocean governance and blue growth.*

Moderator:

**Gesine Meissner**, MEP, President of the Intergroup Seas, Rivers, Islands and Coastal

Speakers:

**Martin Visbeck**, GEOMAR

**Harm Greidanus**, European Commission, Joint Research Centre

**Vittorio Barale**, European Commission, Joint Research Centre

**Leo De Vrees**, Dutch Ministry of Infrastructure and the Environment

**Douglas Cripe**, Group on Earth Observations

**Lucien Chabason**, Conseiller à la direction de l'IDDRI

09:00 – 10:30

### **Marine litter and derelict fishing gear: from observation to blue growth**

→ Room: MOVE2

Organiser: Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE)

*At the heart of the workshop will be recent insight on the implications of marine litter and particularly of derelict fishing gear on what constitutes the basis of Blue Growth: the core functioning, productivity and resilience of marine ecosystems. Taking a holistic approach, it will also offer a platform for stakeholders to present and exchange their experiences and lessons learned from establishing derelict fishing gear management schemes in ports; fishing for litter activities; piloting business scenaria within a circular economy context; exploring options reduced surveillance costs, etc.*

Moderator:

**Günter Hörmandinger**, European Commission, Directorate-General for Environment, Unit C.2 – Marine Environment and Water Industry

Speakers:

**Thomas Vlachogianni**, Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE)

**Catherine Barrett**, Fisheries Development Office, Irish Sea Fisheries Board

**Veronika Mikos**, Healthy Seas

09:00 – 10:30

### **Knowledge-based governance of deep-sea resources**

→ Room: GOTO33

Organiser: JPI Oceans

*The rush for resources from the deep sea – mineral and biological – is on. Accordingly, deep-sea mining and biotechnology have been highlighted among the most promising emerging sectors in which “Blue Growth” could be achieved. However, unless adequate governance regimes are put in place, these activities have the potential to have significant ecological and societal impacts. This workshop will discuss how research can contribute to the development of deep-sea governance regimes, in particular under the ISA and the UN BBNJ process, and the role Europe should play in shaping these.*

Moderator:

**Gilles Lericolais**, Ifremer and JPI Oceans Management Board

Speakers:

**Anna-Katharina Hornidge**, ZMT Bremen and Coordinator COST Network Ocean Governance for Sustainability

**Matthias Haeckel**, GEOMAR and Coordinator JPI Oceans Mining Impact Pilot Action

**Ann Vanreusel**, Ghent University and JPI Oceans Mining Impact Pilot Action

**Henry Ruhl**, National Oceanography Centre (UK) and European Marine Board Deep-Sea Working Group

09:00 – 10:30

**European coast guard functions training network – development through cooperation**

→ Room: GOT035

Organiser: European Coast Guard Functions Forum (ECGFF) / Finnish Border Guard

*In early 2016 a new education related cooperation framework was launched under the European Coast Guard Functions Forum (ECGFF): European Coast Guard Functions Training Network. Main objectives of the workshop are to give an overview of the activities of the ECGFF for 2016, to present the main objectives and activities of the newly established Training Network and to discuss the benefits and challenges of Coast Guard Functions training cooperation as well as the question of how to further develop such cooperation in order to improve the effectiveness of delivery of coast guard functions.*

Moderator:

**Richard Parkes**, Director of Operations, Maritime and Coastguard Agency, United Kingdom, ECGFF Chair

Speakers:

**Kati Heiska** ECGFA NET project, Project Manager, Finnish Border Guard

**N.N.** ECGFA NET Project, Italian Coast Guard

**Ossi Westilä**, Senior Lecturer, Captain, Aboa Mare Training Center, Finland

**Henrik Wärnhjelm**, Head of Frontex Training Unit

10:45 - 12:15

**Thematic Stakeholder workshops (second set: 8-14)**

10:45 – 12:15

**Ready for take-off: growth opportunities in Europe's ocean energy sector**

→ Room: LOG11

Organiser: Ocean Energy Europe

*This workshop aims to foster links between the ocean energy industry and the wider European maritime community. A key part of the Blue Growth agenda, ocean energy is the next generation of renewable*

*energy technology and has the scope to help the EU reach its ambitious climate and energy targets. The session will provide an update on the ocean energy sector, and present opportunities for related maritime sectors to tap into this growing market. Synergies with shipbuilding, ports and harbours, offshore platforms, fishing and data management sectors (and many others) will be explored.*

Moderator:

**Jacopo Moccia**, Policy and Operations Director, Ocean Energy Europe

Speakers:

**Christopher Ridgewell**, Chief Technical Officer, AW-Energy

**Mikko Huumo**, Manager, R&D Growth Projects, Fortum

**Garrett Connell**, Project Development Manager, Open Hydro

**Gordon Dalton**, Coordinator of the MARIBE Project & Senior Research Fellow, University College Cork

10:45 -12:15

### **Maritime spatial planning for real – what difference does it make?**

→ Room: LOGI2

Organiser: Marine Management Organisation

*Member States are preparing maritime spatial plans ('plans') by 2021; some have them in place already. How a plan will be implemented and evaluated should be considered early on. The expected impact of plans, including enabling 'blue growth', should be clear but realistic. This workshop is an opportunity for exchange between those implementing plans and those still to develop them: (i) Share practice of implementing (rather than just producing) plans; (ii) Explore evaluating the impact of plans; (iii) Understand and articulate the benefits of plans and the planning process*

Chair:

**John Tuckett**, CEO Marine Management Organisation

Moderator:

**Paul Gilliland**, Head of marine planning, Marine Management Organisation

Speakers:

**Tom Woolley**, Senior Marine Planner Marine Management Organisation

**Leo de Vrees**, Senior Advisor Ministry of Infrastructure and the Environment, Netherlands

**Gonçalo Carneiro**, NIRAS, Sweden

10:45 – 12:15

### **Technical efficiency and socio-economic impacts of clean shipping Solutions**

→ Room: LOGI3

Organiser: The EnviSuM project/The Maritime Development Center of Europe

*This workshop is designed to attract a wide range of maritime stakeholders for a discussion on the cost-benefit balance of the SECA regulations. During the session, we will address the socio-economic, health and environmental effects of the SECA regulation and seek to explore the needs of the maritime businesses and industry when making clean shipping investment decisions.*

Moderator:

**Jan Boyesen**, Maritime Development Center of Europe

Speakers:

**Sari Repka**, Head of Unit, University of Turku

**Poul Woodall**, Director, DFDS

**Gunnar Klaus Prause**, Professor, Tallinn University of Technology

10:45 – 12:15

### **Blue growth value chains and smart-specialisation**

→ Room MOVE1

Organiser: The Regional Council of Southwest Finland, The Submariner Network, The Pomorskie Voivodeship, and The Conference of Peripheral Maritime Regions, Baltic Sea Commission

*This workshop will look into challenges in strengthening Blue Growth Value Chains on Regional level and how best the Regional Authorities can support this. Shipyard Meyer Turku Ltd will present the view of the private sector and will talk about their unique multi-networked business, cooperating both internationally and locally. The Submariner Network will share with the audience approaches on innovative financing schemes that will be tested in the framework of transnational cooperation projects. From the regions point of view, it will be discussed how to accelerate cross-branch cooperation & internationalisation for innovative growth in off-shore industry and maritime logistics.*

Moderator:

**Damien Périssé**, CPMR Director for maritime affairs

Speakers:

**Jarno Soinila**, Head of Basic Design, Meyer Turku Ltd.  
**Carsten Beyer**, Finance Manager of the Submariner Network and  
Managing Director of s.Pro GmbH  
**Adam Mikołajczyk**, Director of the Economic Development  
Department – Pomorskie Voivodeship Selfgovernment

10:45 – 12:15

### **Eco-innovation for safer and healthier Baltic Sea**

→ Room MOVE2

Organiser: BONUS the joint Baltic Sea research and development  
programme

*BONUS, the joint Baltic Sea research and development programme's  
innovation projects ANCHOR, ESABALT, FERRYSCOPE, GEOILWATCH,  
SWERA and ZEB demonstrate tangible results ranging from  
assessment on sunken wrecks' environmental risks to satellite sensing  
for algae monitoring in the Baltic Sea, safer harbour operations to  
improved situational awareness techniques, and early warning  
systems of disaster prevention to zero emissions of oily water  
discharges. Through a mix of demonstrations, videos and interactions,  
the workshop will show in practical terms how the embedding of  
innovation into a regional research governance is being realised in  
support of regional prosperity and long-term sustainability.*

Moderator:

**Mats Svensson**, Head of the Research and Environment Objectives,  
Swedish Agency for Marine and Water Management

Speakers:

**Karol Brzostowski**, Astri Polska, Poland ANCHOR

**Heidi Kuusniemi**, Finnish Geospatial Research Institute ESABALT

**Jenni Attila**, Finnish Environment Institute FERRYSCOPE

**Heidi Pihlak**, Tallinn University of Technology, Innovation and  
Business Centre, Estonia GEOILWATCH

**Jorma Rytkönen**, Finnish Environment Institute SWERA

**Hulda Winnes**, IVL Swedish Environmental Research Institute ZEB

10:45 – 12:15

### **Ship connectivity - an enabler for autonomous vessels**

→ Room GOTO33

Organiser: Rolls-Royce Marine, Finland; DNV GL Strategic Research &  
Innovation; University of Turku, Technology Research Centre

*Traditionally, once a ship left port it was isolated. This was true until  
the introduction of radio on ships in the 1890s. With the recent advent  
of High Throughput Satellite systems mariners experience an*

*accelerated increase in broadband data capabilities. However, future remote controlled or autonomous vessels will create large amount of data due to the inclusion of new on-ship sensors. This workshop focuses on information and communication technologies as enablers for autonomy and other applications in the maritime space.*

Moderator:

**Georgios Kasimatis**, Acting Head of Department, International Regulatory Affairs, DNV GL Maritime

Speakers:

**Oskar Levander**, VP Innovation, Rolls-Royce Marine

**Esa Jokioinen**, Head of Blue Ocean Team, Rolls-Royce Marine

**Steinar Låg**, Principal Researcher Maritime Transport, DNV GL Strategic Research & Innovation

**Jonne Poikonen**, Senior Research Fellow, University of Turku Technology Research Centre

10:45 – 12:15

### **Towards innovative data services for blue growth**

→ Room GOT035

Organiser: Pôle Mer Bretagne Atlantique

*The production of maps of natural zones and human activity, together with stock assessment, can enable ecosystem degradation analysis. Services related to investment analysis and the identification of strategic locations in aquaculture can represent a competitive advantage for the aquafarming sector. The workshop will showcase how the BlueBRIDGE data management solutions provide support and will also illustrate best practices already adopted by different stakeholders.*

Moderator:

**Philippe Monbet**, Pôle Mer Bretagne Atlantique

Speakers:

**Miles Macmillan-Lawler**, Programme Leader Marine Spatial Planning, GRID-Arendal

**Pasquale Pagano**, ISTI-CNR and BlueBRIDGE Technical Director

**Scott Large**, Professional Officer, International Council for the Exploration of the Sea (ICES)

12.15 – 13.30

Networking Lunch

13.30 – 15.00

**Thematic Stakeholder workshops (third set: 15-21)**

13:30 – 15:00

### **Multi-use for blue growth: strategies for success**

→ Room: LOGI1

Organiser: GreenBridge, Ghent University in cooperation with SINTEF

*Overcoming the lack of cross-stakeholder legitimacy is essential to enable multi-use of ocean space. Through national case-studies, this workshop presents the interplay of sectoral management regimes for blue growth activities and showcases opportunities and lessons learned. It brings in social network and cultural consensus analyses to map stakeholder interactions and articulates monetary benefits. An interactive breakout session will focus on proposing policy and practical recommendations to overcome barriers of combining marine activities.*

Moderator:

**Rachel Tiller**, SINTEF Fisheries and Aquaculture, Norway

Speakers:

**Lucy Greenhill**, Scottish Association for Marine Science, UK

**Margriet Drouillon**, Aqua UGent, Ghent University

**Dorothy Dankel**, University of Bergen, Norway

**Amerissa Giannouli**, Athens University of Economics and Business, Greece

13:30 – 15:00

### **Changing colours – the road to a blue-green economy**

→ Room LOGI2

Organiser: John Nurminen Foundation; WWF (World Wide Fund for Nature)

*Achieving healthy marine ecosystems and a sustainable blue economy requires work to promote the development of a sustainable green economy on land, and to combine the green and blue economy agendas. The workshop will focus on multiple topics such as the impact of land-based pollution sources and the shipping and maritime industries, and identify cross-sectoral solutions and partnerships for developing a truly sustainable blue-green economy. Interactive tools will be used to challenge participants and enable them to give input via mobile devices, thus maximizing workshop outcomes.*

Moderator:

**Markku Ollikainen**, Professor, University of Helsinki

Speakers:



**Sampsa Vilhunen**, Head of Marine and Arctic Programme, WWF Finland (with contributions from regional WWF offices)

**James Shortle**, PennState University (USA), Distinguished Professor of Agricultural and Environmental Economics / Director, Environment and Natural Resources Institute

13:30 – 15:00

### **Delivering blue growth through InterVision**

→ Room: LOGI3

Organiser: Netherlands EU Presidency in cooperation with Maltese Government and partners

*This Blue Growth InterVision workshop is about sustainable economic strategies through cooperative learning. Participants are invited to help one of five case-holders to explore with them pathways forward in their Blue Growth challenge. InterVision is the workshop method. It will be introduced quickly after which you can bring it into practice. Your assistance and experience is sought by our case-holders: the Malta National Agency, Netherlands' scientific institutes, Ocean Energy Europe, the VASAB community and Cultural Heritage Netherlands.*

Moderator:

**Lodewijk Abspoel**, NL senior policy officer IMP & MSP, Netherlands government

Speakers:

**Franco Schembri**, Senior Manager Marine and Maritime Policy and Promotion Unit Malta

**Zinzi Reimert**, Program Leader MUST Maritime & Offshore TNO

**Anders Køhler**, CEO Floating Power Plant company

**Ingela Isaksson**, Project Manager Baltic SCOPE Swedish Agency for Marine and Water Management

**Andrea Klomp**, NL Senior Policy Advisor Maritime Heritage Netherlands

13:30 – 15:30

### **Enhanced engagement of SMEs in blue innovation**

→ Room MOVE1

Organiser: ERRIN European Regions Research and Innovation Network; MiTiN Maritime Innovative Territories International Network

*Smart specialisation strategies (S3) stimulate innovation and investment by involving regional stakeholders including SMEs. It is a key tool for blue growth regions. Through an international perspective and industry involvement in a bottom-up approach, "maritime S3" can better support SME participation in global value chains. The workshop*

*will examine three regional S3 strategies and the complementary approach of an international cooperation network to analyze possible improvement of regional/ EU innovation policies.*

Moderator:

**Richard Tuffs**, ERRIN Director

Speakers:

**Manuel Paris**, Galicia (ES), Galicia Innovation Agency

**Joanna Przedzimirska**, Pomorskie (PL), Board of the Pomorskie Smart Specialisation 1. Off-shore, Port and Logistics Technologies

**Aude Körfer**, Brittany Region, Permanent Delegate at the Brussels representation (FR)

**Fabienne Vallée**, MiTiN, Secretary

**Paul Holthus**, World Ocean Council, CEO

13:30 – 15:00

### **Partnerships for Green Shipping**

→ Room GOTO32

Organiser: Council of the Baltic Sea States (CBSS) in cooperation with Baltic Marine Environment Protection Commission (HELCOM)

*The Workshop will promote blue growth in shipping through partnerships, both public-private and business-to-business. Public-private partnership will be addressed by CBSS Promoting Green Shipping through Baltic Sea Maritime Dialogue, and by HELCOM MARITIME Subgroup for Green technology and alternative fuels in public-private partnership. Business to business partnership will be addressed by Zero Vision Tool and Napa Oy.*

Moderator:

**Sauli Eloranta**, Technology Management and Innovation, Rolls-Royce Marine

Speakers:

**Monika Niemiec-Butryn**, Ministry of Maritime Economy & Inland Navigation of Poland

**Anita Mäkinen**, Finnish Transport Safety Agency

**Carl Carlsson**, CEO, Zero Vision Tool

**Juha Heikinheimo**, CEO, NAPA Oy, Finland

13:30 – 15:00

### **Boosting blue growth through regional clusters**

→ Room: GOTO33

Organiser: Region Västra Götaland in cooperation with Port of Poole and the University of Cork

*The purpose of this workshop is to illustrate and highlight the importance of clusters in regional development, innovation and blue growth. The workshop focusses on lessons learnt in clusters from three different regions and illustrates the strength of a multidisciplinary focus as well as the importance of a triple helix perspective. The three clusters are all in different ways active in facilitating joint roadmaps for the maritime sector and are operating under various preconditions such as degree of interdisciplinary approach and the state of industry development.*

Moderator:

**Jessica Hjerpe Olausson**, Senior Maritime Expert, Region Västra Götaland

Speakers:

**Jim Stewart**, Chief Executive of Port of Poole

**Val Cummings**, University of Cork

**Jim Sandkvist**, Senior Advisor, SSPA Sweden

13:30 – 15:00

### **Digital revolution and open data in maritime business and governance**

→ Room: GOTO35

→ Organiser: The City of Helsinki; Finnish Meteorological Institute and the SmartSea consortium

*Real time monitoring, open data and community models are becoming new assets of maritime services and industry. Opportunities of digitalization and opening data are multiple: e-navigation, remote maintenance of ships and offshore structures, efficient and risk-avoiding operations, environmental monitoring and services for cruise customers. The objectives of this workshop are to review sources of open data and discuss opportunities and challenges of maritime digitization, as well as show case studies.*

Moderators:

**Ulla Tapaninen**, PhD docent, City of Helsinki, MERIT – Smart Maritime –project manager

**Jari Haapala**, Research Professor, Finnish Meteorological Institute and the SmartSea project

Speakers:

**Martin Isaeus**, Director, AquaBiota

**Erik Buch**, Chair of EuroGOOS, EuroGOOS

**Pekka Pokela**, Director, Gaia Oy

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