

The Future of the Ocean Economy: Exploring the prospects for emerging ocean industries to 2030

Workshop

Future of Maritime Spatial Planning and Ocean Monitoring: What Potential for Economic Tools and Satellite Technology

**Lisbon, Portugal
4-5 June 2015**

In a nutshell

As part of OECD project *The Future of the Ocean Economy*, this workshop addressed the future of maritime spatial planning and ocean monitoring, and the potential for economic tools and satellite technology.

Opened by Leonor Parreira, Portuguese Secretary of State of Science and Manuel Pinto de Abreu, Portuguese Secretary of State of the Sea, the workshop met in Lisbon, Portugal on 4th and 5th of June 2015.

Amongst the topics covered were:

- Growing multi-use of ocean and coastal sea space out to 2030
- Current progress in maritime spatial planning around the world
- Applying innovations in economic and governance tools to support maritime spatial planning, including: the contribution of economic concepts and tools to improving the MSP process, applying economic tools to the management of marine protected areas and enhancing coherence in MSP through new and/or more effective governance processes and structures.
- Short case studies on the use of economic instruments and governance tools in MSP in various regions including Africa and Chinese Taipei.
- Developing data, information and technological infrastructures to support maritime spatial planning, including future information and data requirements for assessment, mapping, monitoring and evaluation in the planning area, remote sensing and satellite technology to support MSP: what's in the innovation pipeline and in situ, and monitoring technology and the potential synergies with satellite applications.
- Knowledge and technology sharing with developing countries
- Environmental issues in MSP: Marine Protected Areas and MSP; implementing the ecosystem approach for sustainable use of marine resources and other environmental protection tools/measures (such as ports and navigation routes zoning).

Rapporteur:
Karyn Morrissey
Liverpool University

Contact: Anita Gibson, Project Co-ordinator, at anita.gibson@oecd.org

**Workshop on the
Future of Maritime Spatial Planning and Ocean Monitoring:
What Potential for Economic Tools and Satellite Technology**

*Organized within the framework of the OECD project on
The Future of the Ocean Economy*

Feira Internacional de Lisboa, Convention Centre (FIL-EXPO)
Rua Bojador, 1998-010, Sta Maria do Olivais
Lisbon, Portugal

4 - 5 June 2015

Agenda

Co-chairs: Fátima Lopes Alves and Torgeir Edvardsen
CESAM/University of Aveiro – OECD

Rapporteur: Karyn Morrissey, *Liverpool University*

Thursday, 4 June 2015 – Room 2

- 09.30 **Arrival and welcome** by National Authorities and OECD
- *Leonor Parreira, Portuguese Secretary of State of Science*
 - *Manuel Pinto de Abreu, Portuguese Secretary of State of the Sea*
 - *Barrie Stevens, Head of the OECD's International Futures Programme*
- Opening and introduction by *Torgeir Edvardsen (OECD)*
Brief overview of the Future of the Ocean Economy OECD Project
Objectives of the meeting
- 10.00 **Session 1. Setting the scene**
- Growing multi-use of ocean and coastal sea space out to 2030 - *Torgeir Edvardsen, OECD*
 - Current progress in maritime spatial planning around the world - *Charles Ehler, IOC/Ocean Visions Consulting*
- 11.15 **Session 2. Applying innovations in economic and governance tools to support maritime spatial planning**
- 2.1 The contribution of economic concepts and tools to improving the MSP process
Claude Ménard, Centre d'Economie de la Sorbonne
 - 2.2 Applying economic tools to the management of marine protected areas
Katia Karousakis, OECD
 - 2.3 Enhancing coherence in MSP through new and/or more effective governance processes and structures
Áslaug Ásgeirsdóttir, Bates College
- 14.15 2.4 Short case studies on the use of economic instruments and governance tools in MSP in various regions – *Samuel Kame-Domguia, African Union Commission; Tai-Wen Hsu, National Taiwan Ocean University; Subandono Diposaptono, DG of Marine, Coastal and Small Island (Indonesia)*

15.30 **Session 3. Developing data, information and technological infrastructures to support maritime spatial planning**

3.1 Future information and data requirements for assessment, mapping, monitoring and evaluation in the planning area – *Alejandro Iglesias Campos, IOC*

3.2 Remote sensing and satellite technology to support MSP: what's in the innovation pipeline? – *Keiren Millard, Independent consultant*

16.45 3.3 In situ monitoring technology and the potential synergies with satellite applications – *Marc Journal, EMSA - European Maritime Safety Agency*

17.45 Closing day one

Friday, 5 June 2015 – Auditorium I

09.30 **Session 3. continued**

3.4 Knowledge and technology sharing with developing countries – *Miguel Miranda IPMA*

10:00 **Session 4. Environmental issues in MSP**

4.1 Marine Protected Areas and MSP: coevolution or competition? – *Peter Jones, University College London*

4.2 Strategic Environmental Assessment in MSP – Implementing the Ecosystem Approach for sustainable use of marine resources- *Jan Schmidtbauer Crona, Swedish Agency for Marine and Water Management*

4.3 Other environmental protection tools/measures (such as ports and navigation routes zoning) – *Pedro Ponte, National Association of Ports*

12.00 **Workshop wrap up – Brief comments by Karyn Morrissey, Liverpool University**
Final Roundtable Remarks

Moderators: Fátima Lopes Alves and Torgeir Edvardsen

12.45 **Workshop closing** remarks by *Barrie Stevens, OECD and Catarina Grilo (Fundação Calouste Gulbenkian / PT Organizing Committee)*

The organizers gratefully acknowledge the financial support of the EEA Grants for this workshop.

**Workshop on the
Future of Maritime Spatial Planning and Ocean Monitoring:
What Potential for Economic Tools and Satellite Technology**

*Organized within the framework of the OECD project on
The Future of the Ocean Economy*

Feira Internacional de Lisboa, Convention Centre (FIL-EXPO)
Rua Bojador, 1998-010, Sta Maria do Olivais
Lisbon, Portugal

4 - 5 June 2015

List of Participants

Áslaug **Ásgeirsdóttir**
Bates College
USA

Galina **Balusheva**
Ministry of Environment and Water, Water Management Directorate, Bulgaria
Bulgaria

José **Bonfim**
FCT - Fundação para a Ciência e Tecnologia
Portugal

Telmo **Carvalho**
FCT - Fundação para a Ciência e Tecnologia
Portugal

Chi **Chung**
Assistant Research Professor
Academia Sinica
Chinese Taipei

Charles Henri **De Barsac**
Chargé de mission
Le ministère de l'Ecologie, du Développement durable et de l'Energie
France

Subandono **Diposaptono**
Director for Spatial Planning for Marine, Coastal, and Small Island
DG of Marine, Coastal and Small Island
Indonesia

Ann **Dom**
Deputy Director
Seas At Risk
NGO

Kjell Kristian Egge
International Law Adviser - Law of the Sea issues
NMFA (Oslo)
Norway

Charles Ehler
IOC/Ocean Visions Consulting
France

Adelaide Ferreira
Faculty of Social Sciences and Humanities, New University of Lisbon
Portugal

Catarina Grilo
Calouste Gulbenkian Foundation
Portugal

Luisa Henriques
Coordinator of the Studies and Strategy Office
FCT - Fundação para a Ciência e Tecnologia
Portugal

Louisa Hooper
Calouste Gulbenkian Foundation
UK

Tai-Wen Hsu
Distinguished Professor, Director and Dean
National Taiwan Ocean University
Chinese Taipei

Alejandro Iglesias Campos
IOC - Intergovernmental Oceanographic Commission
IGO

Peter Jones
Dept. of Geography, University College London
UK

Marc Journal
EMSA - European Maritime Safety Agency
IGO

Samuel Kame-Domguia
African Union Commission
Ethiopia

Katia Karousakis
Policy analyst
OECD Environment Directorate

France

Fajar **Kurniawan**

Head of Section for Spatial Planning and Zonation for Java Region
DG of Marine, Coastal and Small Island

Indonesia

Shin-Jye **Liang**

Department of Marine Environmental Informatics, National Taiwan Ocean University
Chinese Taipei

Ângela **Lobo**

Senior Advisor
Directorate General for Maritime Policy
Portugal

Fátima **Lopes Alves**

CESAM/University of Aveiro
Portugal

Claude **Ménard**

Professor of Economics
Centre d'Economie de la Sorbonne Université de Paris
France

Keiran **Millard**

Independent consultant
UK

Miguel **Miranda**

IPMA
Portugal

Karyn **Morrissey**

Liverpool University
UK

Pedro **Ponte**

Association of the Ports of Portugal
Portugal

Isabel **Reis**

Policy Analyst
FCT - Fundação para a Ciência e Tecnologia
Portugal

Catarina Frazão **Santos**

Faculty of Sciences of the University of Lisbon
Portugal

Conceição **Santos**

Head of Department Strategy

Directorate General for Maritime Policy
Portugal

Jan **Schmidbauer Crona**
Swedish Agency for Marine and Water Management
Sweden

Maria João **Sequeira**
Policy Analyst
FCT - Fundação para a Ciência e Tecnologia
Portugal

Franklim **Spencer**
EMARPOR
Cape Verde

Jacqueline Fiona **Tweddle**
MarCRF Research Fellow
Marine Scotland Science / University of Aberdeen
UK