

EOOS Conference, 21-23 November 2018, Brussels

Evolving EOOS

Connecting communities for end-to-end solutions

Day 1 – Wednesday 21 November 2018

13:00-14:00 Registration

14:00-15:30 Opening Session – Welcome and opening keynotes (*Auditorium*)

Welcome and introduction Conference Programme, Objectives and outline of the proposed EOOS Conference Message	Conference organisers
Opening statement	Ricardo Serrão Santos Member of the European Parliament
Reflections on national requirements for ocean observation and monitoring of the marine and coastal environment, Perspectives from European Marine Institutes	Jan Mees Director, Flanders Marine Institute (VLIZ) and Chair of the European Marine Board (EMB)
Climate Change Risks for coastal areas and related adaptation needs in Europe.	Elena Visnar Malinovska Head of unit Adaptation to Climate Change, European Commission Directorate-General for Climate Action (DG CLIMA)
The importance of marine data and observations for the private sector	Quillon Harpham Principle Scientist Coasts and Oceans, HR Wallingford
Messages from 4 th GEO Blue Planet Symposium	Pierre-Yves Le Traon Scientific Director, Mercator Ocean and Copernicus Marine Environmental Monitoring Service (CMEMS)
Towards a European Ocean Observing System (EOOS): from vision to strategy and implementation	Sheila Heymans Executive Director, European Marine Board (EMB) & Glenn Nolan Secretary General, European Global Ocean Observing System (EuroGOOS)
Q&A	

15:30 – 16:00 Coffee Break (*Riverside*)

Session 1 – Economic and societal value of marine observing and monitoring (*Auditorium*)

16:00-16:45 Presentations

Introduction: Future Ocean Economy: Innovation for a Sustainable Ocean Economy	Claire Jolly Head, Innovation Policies for Space and Oceans (IPSO) Unit, Directorate for Science, Technology and Innovation, Organisation for Economic Co-operation and Development (OECD)
Assessing the economic value of ocean observation activities - case studies	Ayeisha Brinson Senior Economist, US National Oceanic and Atmospheric Administration (NOAA)
Business perspectives on the Marine Knowledge Value Net	Arjen Uytendaal Managing Director, Nederland Maritiem Land
Q&A	
16:45-17:45 - Moderated panel discussion Moderator: Ralph Rayner London School of Economics and US National Oceanic and Atmospheric Administration (NOAA) Panelists from different maritime sectors: <ul style="list-style-type: none"> - Rémy Gruet CEO, Ocean Energy Europe (OEE) - Mario Dogliani Director General, Fondazione CSMARE - Richard Heard INSITE Programme Director - Alexandra Neyts Coordinator of NTNU Ocean Science and Technology, European Aquaculture Technology and Innovation Platform (EATIP) - Ayeisha Brinson Senior Economist, US National Oceanic and Atmospheric Administration (NOAA) - TBC 	

18:00 – 18:45 Poster sessions 1 – Connecting the dots for EOOS (*Riverside*)

Poster pitch presentations covering conference themes:

- Economic and non-economic value of ocean observing and monitoring;
- Gaps & Requirements;
- Sharing efforts & collaboration across sectors and communities;
- From standalone to integrated ocean and coastal observing platforms;
- Ocean observing by and for Industry: What are the needs and benefits for society?;
- Linking ocean observations to modelling.

18:00 – 20:30 Networking reception and dinner (*Riverside*)

Day 2- 22 November 2018 from 8:45-17:00

8:15-8:45 Registration

8:45-10:00 - Session 2 – European ocean observation gaps and requirements (*Auditorium*)

Introduction by Session Chair	Stéphane Isoard Head of Group Water and Marine, European Environment Agency (EEA)
Integrated ocean observing: insights from EMODnet Sea-basin data stress-tests	Jun She Chief consultant, Danish Meteorological Institute (DMI)
European ocean observation gaps and requirements – insights from AtlantOS and other projects and initiatives	Erik Buch Senior Consultant, European Global Ocean Observing System (EuroGOOS)
Ocean ecosystems: How can new approaches and technologies address gaps and requirements?	Lisandro Benedetti-Cecchi Professor at the Department of Biology and Vice Rector for European and international research, University of Pisa
In-situ and satellite observation requirements from the Copernicus Marine Service	Antonio Reppucci Coordinator of Earth Observation Data, Mercator Ocean for Copernicus Marine Service (CMEMS)
Q&A	

10:00 – 10:30 Coffee Break (*Riverside*)

Session 3 – Sharing observing and monitoring efforts across stakeholders (*Auditorium*)

10:30-11:30 Presentations

Introduction by the session Chair Marine Knowledge value chain - towards an end-to end cycle approach	David Mills Director iMarDIS- SEACAMS at Marine Centre Wales, Bangor University
Multi-use of infrastructure for monitoring: experiences from the JPI Oceans pilot action	Svend Otto Remoe Special Adviser, Research Council of Norway (RCN)
Use of data and observations collected by industry: Experience from the Statoil LOVE observatory	Anders Hermansen Principal Engineer Sustainability Environment technology, Equinor
Mapping the Seabed: how to coordinate and integrate hydrography-geology-biology survey efforts to tackle the vast gap in seabed coverage - experiences from Building a broadscale European Seabed Habitat Map (EUSeaMap)	Steve Gibson Director of Evidence, Joint Nature Conservation Committee (JNCC)

Q&A

11:30 – 13:00

(Riverside and Auditorium)

Breakout discussions in groups covering topics of

- Session 1 – Economic and societal value of marine observing and monitoring
- Session 2 – European ocean observation gaps and requirements
- Session 3 – Sharing observing and monitoring efforts across stakeholders

13:00 – 14:00 Lunch (Riverside)

Session 4 – Regional ecosystem monitoring and observation efforts: from variables to indicators (Auditorium)

14:00 – 14:50 Presentations

Introduction by session chair	David Connor Policy Officer, European Commission Directorate-General for Environment (DG ENV)
Joint monitoring and assessment between Member States Experiences on Member State collaborations from pilot projects in North and Celtic Seas	Lisette Enserink Senior Policy Advisor, Ministry of Infrastructure and Water Management/Rijkswaterstaat
Evolution of monitoring landscape Mediterranean Sea	Jelena Knezevic Monitoring and Assessment Officer, UN Environment/Mediterranean Action Plan
Fisheries and ecosystem approach	Mark Dickey-Collas Chair of the ICES advisory committee, International Council for the Exploration of the Sea (ICES)

14:50-15:30 - Moderated panel discussion

Moderator: **David Connor** Policy Officer, European Commission Directorate-General for Environment (DG ENV)

Panelists from different maritime sectors:

- **Jacques Populus** Ifremer
- **Mark Dickey-Collas** Chair of the ICES advisory committee, International Council for the Exploration of the Sea (ICES)
- **Jelena Knezevic** Monitoring and Assessment Officer, UN Environment/Mediterranean Action Plan
- **Lisette Enserink** Senior Policy Advisor, Ministry of Infrastructure and Water Management/Rijkswaterstaat

15:30 – 16:00 Coffee break (Riverside)

Session 5 – Future trends in a global context (*Auditorium*)

16:00-17:15 Presentations

Introduction	Toste Tanhua Senior Scientist, GEOMAR Helmholtz Centre for Ocean Research Kiel
Experiences from efforts to develop a new integrated observing system linking different basins in Canada (CIOOS)	Andrew Stewart Manager, Ocean Observation and Monitoring, Department of Fisheries and Oceans (DFO) Canada
Overviews of Chinese observation activities	XU Shanshan Marine Forecast and Disaster Mitigation Division, National Marine Data and Information Service (NMDIS)
Observing the Oceans - Challenges for our Human Future	Karen Wiltshire Vice-Director of Alfred Wegener Institute for Polar and Marine Research and Head of Biological Station Helgoland and Wadden Sea Station Sylt
Future trends in ocean observing and monitoring: new scientific and technological developments	João Borges de Sousa Head of Underwater Systems and Technology Laboratory, University of Porto
Q&A	
17:15-18:45 (Riverside and Auditorium) Breakout discussions in groups covering topics of: <ul style="list-style-type: none"> • Session 4 – Regional ecosystem monitoring and observation efforts: from indicators to variables • Session 5 – Future trends in a global context • Extra session - Integrated ocean observing platforms. 	

19:00 – 19:30 Poster sessions 2 – Connecting the dots for EOOS (*Riverside*)

Poster pitch presentations covering conference themes:

- Regional ecosystem monitoring efforts;
- European contribution to global efforts and emerging areas (future look at the next generation of observing and monitoring tools and approaches);
- EOOS Sustainability, future priorities and next steps;
- Citizen Science for observation and monitoring;
- Ocean observation and Human Health: Monitoring needs and benefits.

19:00 -21:00 Conference Buffet Dinner with Volvo Ocean Race presentation by Toste Tanhua Senior Scientist, GEOMAR Helmholtz Centre for Ocean Research Kiel

Day 3 - 23 November 2018 from 9:00 until 12:30

8:15-8:30 Registration

8:30-8:50 Wake up talk - Strengthening science based, multidisciplinary and integrated approaches to ocean observation and open data in Europe (*Auditorium*) by **Joaquín Tintoré** Director, ICTS SOCIB

09:00-09:30 Summary of breakout discussions day 2 (*Auditorium*)

09:30-10:30 Session 6 - Open Panel Discussion on Sustainability, planning of activities, future priorities and next steps (*Auditorium*)

Moderator: **George Petihakis** Research Director, Hellenic Centre for Marine Research (HCMR)

Panelists from different maritime sectors:

- **Laurent Louvart** Director of the International Office, French Hydrographic and Oceanographic Service (SHOM)
- **Catherine Boyen** Research Director, Biological Station Roscoff; Euromarine Scientific Coordinator
- **Pier-Francesco Moretti** Scientific Officer at the Liaison Office in Brussels - European and International Relations, Italian Research Council (CNR)
- **Mathieu Belbeoch** JCOMM Observing Program Support Centre (JCOMMOPS) Lead
- **Tammo Bult** President, The European Fisheries and Aquaculture Research Organisation (EFARO)
- **Werner L. Kutsch** Director General, ICOS ERIC; Coordinator of the ENVRIplus Environmental ESFRIs cluster
- **Koen Verbruggen** Director, Geological Survey Ireland

10:30-11:00 Coffee break (*Riverside*)

11:00-13:00: Closing Session (*Auditorium*)

11:00-11:15 European Ocean Observation in context of International Strategies and developments: the UN Sustainable Development Goals and the Decade of Ocean Science for sustainable development

By **Vladimir Ryabinin** Executive Secretary of the Intergovernmental Oceanographic Commission (IOC), UNESCO and Assistant Director-General, UNESCO

11:15-12:15 Closing round table

How can national and European authorities/bodies contribute to the coordination of European Ocean Observation and Monitoring efforts?

- **Jacky Wood** Acting Executive Director, JPI Oceans
- **Bernhard Friess** Director of the Directorate "Maritime Policy and Blue Economy" of the European Commission's Maritime Affairs and Fisheries Directorate-General (DG MARE)
- **TBC**

12:15-13:00 Conference conclusions & final reading and delivery of the EOOS Conference Message

- Messages of support and statements from attending stakeholders
- Conference Conclusions and handover of the Conference Message
- Closing Statements by **Karmenu Vella** Commissioner for Maritime Affairs and Fisheries and Environment

13:00-14:00 Lunch (*Riverside*)

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