

United Nations Open-ended Informal Consultative Process on Oceans and the Law of the Sea
Twenty-Second meeting
6 – 10 June 2022
Panel
“Ocean observing”

Segment 1

Ocean observation: tools, contributions to science-based decision-making, and challenges relating to gaps in observational data

Monday, 6 June

3 – 6 pm EDT

Panellist	Affiliation	Presentation
Ms. Anya Waite	Co-Chair of IOC GOOS Steering Committee; Scientific Director and CEO, Ocean Frontier Institute; Professor, Dalhousie University	<u>Overview of global ocean observing activities: frameworks, status and challenges</u>
Mr. Brian King	Member of the International Argo Steering Team; Oceanographer, National Oceanography Centre, United Kingdom	<u>The Argo array: operation, contributions to science-based decision-making and challenges</u>
Mr. Richard Edwing	Director, NOAA NOS Center for Operational Oceanographic Products and Services (CO-OPS)	<u>The National Water Level Observation Network: evolution, operation and societal applications</u>
Mr. Niels Andersen	Head of Department of Innovation and Authorities, DTU Space, Technical University of Denmark	<u>Satellite infrastructure and ocean observation: contributions to science-based decision-making and remaining gaps</u>
Ms. Michelle Heupel	Director of Australia's Integrated Marine Observing System (IMOS)	<u>Application of ocean observations for decision-making: delivering benefits at multiple scales</u>
Mr. E. Pattabhi Rama Rao	Group Director, Modelling and Ocean Observations Group, Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences of India	<u>The role of ocean data acquisition, processing and management in contributing to sustainable development</u>

Segment 1

Ocean observation: tools, contributions to science-based decision-making, and challenges relating to gaps in observational data

Tuesday, 7 June

10 am - 1 pm EDT

Panellist	Affiliation	Presentation
Mr. Gilles Lericolais	Senior Scientific Officer, French Prime Minister General Secretariat for the Sea; Chair of the European Marine Board	<u><i>A regional perspective on ocean observation and monitoring of the marine and coastal environment</i></u>
Mr. Henry Ruhl	Director, Central and Northern California Ocean Observing System; Member of the GOOS Biology and Ecosystem Panel	<u><i>Contributions of ocean observation to understanding and conserving biological diversity</i></u>
Mr. Bayram Öztürk	Professor, Faculty of Aquatic Sciences, Istanbul University; Head, Turkish Marine Research Foundation	<u><i>Contributions of ocean observation to fishery science and marine conservation</i></u>
Ms. Amy Baco-Taylor	Associate Professor, Department of Earth, Ocean and Atmospheric Science, Florida State University College of Arts and Sciences	<u><i>Contributions of ocean observation to understanding the deep ocean</i></u>
Ms. Sabrina Speich	Professor, Ecole normale supérieure (ENS) – PSL Laboratoire de Météorologie Dynamique – IPSL CLIVAR Atlantic (ex-officio) and OOPC Co-Chair	<u><i>Contributions of ocean observation to understanding, adapting and mitigating the effects of climate change</i></u>
Mr. Peter Haugan	Program Director, Institute of Marine Research Professor, Geophysical Institute at the University of Bergen	<u><i>Contributions of ocean observation to sustainable ocean-based economy</i></u>

Segment 2

International cooperation and coordination in advancing ocean observing and addressing related challenges

Tuesday, 7 June

3 - 6 pm EDT

Panellist	Affiliation	Presentation
Mr. Toste Tanhua	Co-Chair, IOC GOOS Steering Committee; Senior Scientist, GEOMAR	<u>How to optimize the ocean observing value chain: Insights from EuroSea</u>
Mr. Pierre Bahurel	Director-General, Mercator Ocean International, Data Hub for GEMS Ocean	<u>Digital oceanography to bridge observations and society: Lessons from Copernicus</u>
Ms. Tenanoia Simona	Chief Executive Officer, Tuvalu Telecommunications Corporation	<u>Ocean data management for addressing effects of climate change: a case study from Tuvalu</u>
Mr. Fabiano Lopes Thompson	Professor, Universidade Federal do Rio de Janeiro	<u>Marine biotechnology and biosensors</u>
Mr. Mathias Jonas	Secretary-General of the International Hydrographic Organization	<u>Mapping the Ocean to deliver base line information for all specific observations and interoperable ocean data in support of the digital twin</u>
Mr. Terje Thorsnes	Senior Geologist, Geological Survey of Norway, Mareano Programme Group	<u>Towards autonomous sensor platforms and use of AI to advance seabed observations contributing to science-based decision-making</u>
Mr. Jérôme Aucan	Head, Pacific Community Centre for Ocean Science, the Pacific Community	<u>Technological innovations for ocean observation: SMART cables</u>

Segment 2

International cooperation and coordination in advancing ocean observing and addressing related challenges

Wednesday, 8 June

3 - 6 pm EDT

Panellist	Affiliation	Presentation
Ms. Simone Borg	Ambassador for Malta on Climate Change; Professor, University of Malta	<u><i>Engaging with policymakers in advancing ocean observing and addressing related challenges</i></u>
Mr. Joao Vitorino	Physical Oceanographer, Instituto Hidrografico (IH, the Portuguese Hydrographic Institute)	<u><i>Citizen science and the engagement of non-scientific communities</i></u>
Ms. Molly Powers-Tora	Team Leader, Ocean Management and Literacy, Geoscience, Energy, and Maritime (GEM) Division, the Pacific Community	<u><i>Strengthening Pacific Island ocean observation capacity through community engagement</i></u>
Mr. David Millar	Government Accounts Director, Fugro (a multinational corporation headquartered in the Netherlands active in Seabed 2030 and the UN Ocean Decade)	<u><i>Role of the private sector in contributing to advancing ocean observation</i></u>
Ms. Juliet Hermes	Oceanographer, South African Environmental Observation Network; Professor, University of Cape Town	<u><i>Challenges and successes in international partnering for regional ocean observation</i></u>
Ms. Emma Heslop	Acting Director of the Global Ocean Observing System in IOC-UNESCO	<u><i>Building a fit-for-purpose global ocean observing system through multi-stakeholder partnerships</i></u>

Segment 2

International cooperation and coordination in advancing ocean observing and addressing related challenges

Thursday, 9 June

10 am - 1 pm EDT

Panellist	Affiliation	Presentation
Mr. Ariel Hernán Troisi	Chair of IOC-UNESCO	<u><i>Advancing ocean observation through international cooperation in the United Nations Decade of Ocean Science for Sustainable Development</i></u>
Ms. Joana Akrofi	Programme Management Officer, Team Leader, Global Environment Monitoring System on Ocean and Coasts (GEMS Ocean), Science Division, UNEP	<u><i>Building a global ocean monitoring system for sustainable development through transdisciplinary partnership: The GEMS Ocean co-design experience</i></u>
Mr. David Legler	Director, Global Ocean Monitoring and Observation program at NOAA; Chair, Ocean Observation Coordination Group	<u><i>Ocean observing co-design through international cooperation and coordination</i></u>
Ms. Olga Sato	Professor, Instituto Oceanográfico, University of São Paulo	<u><i>Building common standards for ocean data sharing: experience from a cross-regional initiative</i></u>
Mr. Karim Hilmi	Research Director at Institut National de Recherche Halieutique (Morocco) National Focal Point and Vice Chair at IOC-UNESCO	<u><i>Building an integrated national ocean observing system: A case study from Morocco</i></u>
Ms. Joana Beja	Senior Scientific Officer, Flanders Marine Institute (VLIZ); EMODnet Biology coordinator, EurOBIS node co-manager	<u><i>Strengthening ocean observation value chain through regional cooperation: lessons from EMODnet Biology</i></u>