



DAY 1 (22 MARCH 2022)

Time UTC	Time CET	
14:00-14:10	15:00-15:10	Welcome and housekeeping: Rajesh Nair and Laurent Delauney (Co-chairs of EOOS Technology Forum)
Setting the scene: Technology for the Ocean Decade (Moderator: Steve Hall , Rapporteur: Laurent Delauney)		
14:10-14:30	15:10-15:30	KEYNOTE: Jyotika Virmani (Executive Director, Schmidt Ocean Institute) <i>The role of state-of-the-art and foreseeable technology to achieve Ocean Decade goals</i>
14:30-14:45	15:30-15:45	Shubha Sathyendranath (Scientist, Plymouth Marine Laboratory) <i>Marine Life 2030</i>
14:45-15:00	15:45-16:00	Francisco Chavez (Senior Scientist, Monterey Bay Aquarium Research Institute) <i>Ocean Biomolecular Observing Network (OBON)</i>
15:00-15:15	16:00-16:15	Marta Ottogalli (Product and Knowledge Manager, UNEP) <i>Marine Litter Monitoring data lifecycle needs</i>
15:15-15:30	16:15 - 16:30	Martin Visbeck (Head of research unit, GEOMAR Helmholtz-Centre for Ocean Research Kiel) <i>Digital Twin of the Ocean (DITTO)</i>
15:30-15:45	16:30-16:45	Break
15:45-16:25	16:45-17:25	PANEL DISCUSSION: The technology we need and role of technology to achieve Ocean Decade goals. Moderator: Steve Hall Panellists: Jyotika Virmani (Executive Director, Schmidt Ocean Institute) Simona Aracri (Researcher, Italian National Research Council) Matthew Mowlem (Head of Ocean Technology and Engineering, National Oceanography Centre) Emma Heslop (Programme Specialist, UNESCO IOC-Global Ocean Observing System) Rudolph Bannasch (CEO, EvoLogics) Rapporteur: Francisco Chavez
16:25-16:40	17:25-17:40	Break
Show and Tell Session: Sensor and technology (Chair: Urmaz Lips , Rapporteur: Vicente Fernández)		
16:40-16:55	17:40-17:55	KEYNOTE: Rene Garello (Professor Emeritus, MIT Atlantique) <i>The role of technology providers, how they can respond to community requirements, and what are the challenges</i>
16:55-17:40	17:55-18:40	Contributed 5-minute presentations Didier Clec'h <i>Key ocean measurements using high-accuracy, low-power, and non-toxic sensors. Changing the value paradigm for reliable and sustainable ocean observation</i> Roberto Gomez <i>WERA HF Radar, a valuable resource against marine pollution</i> Ivar Wangen <i>Scientific echo sounders for ecosystem monitoring and more</i> Adrian Goodsell <i>Precision submersible chemical sensors for scientific, industrial, and environmental monitoring applications</i> Matt Mowlem <i>Technologies for Ocean Sensing (TechOceanS project)</i> Monica Miranda <i>Zero drift pH Sensing across the entire Salinity Range</i> Ben Goymer <i>Revolutionising Primary Productivity Measurements in Our Oceans</i> Luca Sanfilippo <i>Online and in-situ nutrient water quality monitoring: technology overview and applications</i> Heinz Schewalt <i>Marine technologies</i>
17:40-18:00	18:40-19:00	Additional time provided for breakout rooms with show and tell presenters



DAY 2 (23 MARCH 2022)

Time UTC	Time CET	
14:00-14:05	15:00-15:05	Housekeeping: Rajesh Nair and Laurent Delauney (Co-Chairs of EOOS Tech Forum)
14:05-14:25	15:05-15:25	KEYNOTE: Justin Manley (President, Marine Technology Society) Current technological landscape
14:25-15:10	15:25-16:10	PANEL DISCUSSION: How do we achieve a distributed, embedded, multi-parameter ocean network? Moderator: Steve Hall Panellists: Heinz Schelwat (CEO and President, Sea and Sun Technology GmbH) Justin Manley (President, Marine Technology Society) Dariia Atamanchuk (Researcher, Dalhousie University) Sara Iverson (Scientific Director, Ocean Tracking Network, Dalhousie University) Johannes Post (CEO, Deepsea Mining Alliance) Blair Thornton (Professor, University of Southampton) Rapporteur: Frank Muller-Karger
15:10-15:25	16:10-16:25	Break
15:25-16:10	16:25-17:10	PANEL DISCUSSION: How do we establish a systematic and robust data value chain? Moderator: Steve Hall Panellists: Ward Appeltans (Project Manager, IOC- Ocean Biodiversity Information System) Pierre-Yves LeTraon (Scientific Director, Mercator International) Conor Delaney (Technical Coordinator, EMODnet) Florence Salvetat (Head of Metrology, Ifremer) Gegerly Sipos (Head of the Services, Solutions and Support department, EGI – Advanced Computing Services for Research) Nick Wise (CEO, OceanMind) Rapporteur: Artur Palacz
16:10-16:25	17:10-17:25	Break
Show and Tell Session: Instrument platforms and Integration (Chair: Stefania Sparnocchia, Rapporteur: Rajesh Nair)		
16:25-16:40	17:25-17:40	KEYNOTE: Chiara Petrioli (Professor at University of Rome La Sapienza, Founder and Director WSense Srl) Understanding the potential of new platforms and integration for a multi-prong approach to marine pollution.
16:40-17:25	17:40-18:25	Contributed 5-minute presentations Einar Hauge-Hansen Lofoten-Vesterålen Ocean Observatory César González-Pola LanderPick, a Remote Operated Trawled Vehicle to cost-effectively deploy and recover lightweight oceanographic landers Carsten-S. Wibel SWATH@A&R - reliable platform for technologies and sensors Carlos Barrera Autonomous Surface Vehicles (ASV) technology in support to EOOS Daniel Hayes Underwater Gliders: Novel Payloads for Monitoring Anthropogenic Inputs and Impacts Luc SIMON YUCO micro-AUV platform opening new ways to monitor coastal environments Nuno Nunes Calling all stations: using compact ocean monitoring systems to turn (almost) any boat into a research vessel Kanna Rajan METEOR: A Mobile (portable) ocean robotic ObservatORy
17:25-17:45	18:25-18:45	Additional time provided for breakout rooms with show and tell presenters



DAY 3 (24 MARCH 2022)

Time UTC	Time CET	
14:00-14:05	15:00-15:05	Housekeeping: Laurent Delauney and Rajesh Nair (Co-Chairs EOOS Tech Forum)
14:05-14:25	15:05-15:25	KEYNOTE: Nick Wise (CEO, OceanMind) New developments in big data approaches
Show and Tell Session: Cyberinfrastructure, AI and applications. Chair: Henning Wehde, Rapporteur: Simone Marini/Laurent Delauney		
14:25-15:10	15:25-16:10	Contributed 5-minute presentations Artash Nath Silence of Global Oceans: Acoustic Impact of COVID-19 Lockdown Ferdinando Villa ARIES: semantic knowledge integration for sustainability Kakani Katija FathomNet: An open-source image database to train artificial intelligence algorithms that help us understand our ocean and its inhabitants Jeroen Steenbeek Marine Ecosystem Modelling for the Ocean Decade: facing the challenges Peer Fietzek Blue Insight – a digital ecosystem to maximize observing efficiency Linwood Pendleton Is Web3 a New Way of Funding Ocean Science and Data Collection?
15:10-15:40	16:10-16:40	Break (this break will include time for breakout rooms from show and tell session)
15:40-16:25	16:40-17:25	PANEL DISCUSSION: Recommendations, what can we do within this decade and the role of EOOS Technology Forum Moderator: Steve Hall Panellists: Emma Heslop (Programme specialist, IOC-Global Ocean Observing System) Inga Lips (Secretary General, EuroGOOS / EOOS) Kate Larkin (Deputy Head, EMODnet) Matthew Mowlem (Head of Ocean Technology and Engineering, National Oceanography Centre) Martin Visbeck (Head of research unit, GEOMAR Helmholtz-Centre for Ocean Research Kiel) Iain Shepherd (European Commission's Directorate general for Maritime Affairs and Fisheries) Rapporteur: Simone Marini/Vicente Fernández
16:25-17:00	17:25-18:00	Summary and conclusions: Laurent Delauney and Rajesh Nair (Co-Chairs of EOOS Tech Forum)