



IMDIS 2024

27-29 May 2024, Bergen

International Conference on Marine Data and Information Systems

Monday 27 May – 9:30 – 17:45

Introduction

Chairs: Helge Sagen - IMR, Marine Vernet - IFREMER

09:30	Welcome by local organizer Helge Sagen , Nils Gunnar Kvamstø
09:50	Introduction to the conference, objectives and practical information Serge Scory , Marine Vernet , Veslemøy K. L. Villanger
10:00	SeaDataNet – pan European infrastructure for marine and ocean data management – an update Dick Schaap , Steven Piel
10:30	Coffee break

Session TECH: Technical developments for marine information and data management

Chairs: Simona Simoncelli - INGV, Charles Troupin - ULiège

14 orals, 25 posters

11:00	Session introduction by Chairs
11:05	The Semantic Analyser Alexandra Kokkinaki , Gwenaelle Moncoiffe, David Habgood, Enrico Boldrini and Nicholas Car
11:30	Federating discovery metadata to the Ocean InfoHub in a world of federated networks Justin Buck , Charlotte Dempster, Thomas Gardner, Alexandra Kokkinaki, Colm Walsh, Paul Weerheim and Jeff McKenna
11:45	The Ocean InfoHub Project and the Ocean Data and Information System: Developing a Digital Ocean Ecosystem Jan-Bart Calewaert , Lucy Scott, Pier Luigi Buttigieg, Carolina Garcia-Valencia and Peter Pissierssens
12:00	Marine Regions: An interoperable standard for georeferenced marine place names Salvador Jesús Fernández Bejarano , Britt Lonneville, Lawrence Whatley, Bart Vanhoorne and Lennert Schepers
12:15	The OGC API - Connected Systems Christian Autermann and Simon Jirka
12:30	Lunch break – Scandic Bergen City Hotel, ground floor
14:00	Workflows for marine metadata and data management Julien Barde , Emmanuel Blondel and Bastien Grasset
14:15	Using Accreditations to navigate the waves of marine data management Andrew Conway, Ramona Carr, Sarah Flynn, Tara Keena , Rob Thomas, David Currie and Eoin O'Grady
14:30	Streamlining Data Submission: A Guide to Ensuring Data Quality and Compliance with ICES Data Screening Utility (DATSU), Laura Andreea Petre , Carlos Pinto, Anna Osypchuk and Colin Millar
14:45	Interoperable Management and Provision of Metrological Data in Ocean Sciences Simon Jirka, Christian Autermann , Joaquin Del Rio Fernandez and Enoc Martínez
15:00	Functional «Semantic Web» Practice in the Marine Research Domain Marc Portier , Cedric Decruw, Lennert Tyberghein, Lucy Scott, Arno Lambert, Pieter Provoost, Pier Luigi Buttigieg, Douglas Fils, Bart Vanhoorne, Simon Claus, Julian Rojas, Giorgia Lodi and Alessandro Russo
15:15	Using data fragments as the foundation for interoperable data access Marc Portier , Peter Thijsse, Alexandra Kokkinaki, Tjerk Krijger, Gwen Moncoiffé, Paul Weerheim and Erwan Bodere





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15:30	Coffee break
16:00	Poster session TECH
17:00	AI-based fish detection and classification at OBSEA underwater observatory Oriol Prat , Pol Baños, Enoc Martínez and Joaquin Del Río
17:15	Ocean Data related progress and activities in the Decade: the DCO-DOS, Data and Information Strategy and its Action Plan, White paper Challenge 8 Digital Ocean Jan-Bart Calewaert
17:30	EuroGOOS' Arctic Regional Ocean Observing System - towards a pan-Arctic Regional Alliance Vidar Lien
18:30	Social mixer – Food & beverage – Nøsteboden, Bergen



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Tuesday 28 May – 09:00 – 12:30

Session Products: Data products, information and knowledge

Chairs: Sissy Iona - HCMR, Helge Sagen - IMR

11 orals, 20 posters

09:00	Session introduction by Chairs
09:05	Fisheries acoustics and deep learning Nils Olav Handegard , Leif Edvard Bildøy, Olav Brautaset, Tomasz Furmanek, Arne Johannes Holmin, Ingrid Utseth and Malde Ketil
09:30	Interpolation of Plankton Continuous Recorder data using a neural network technique Charles Troupin , Alexander Barth and Pierre Hélaouët
09:45	Compiling FAIR sea ice core data: a reuser perspective Anna Simson , Anil Yildiz, Sebastian Mieruch and Julia Kowalski
10:00	2023 release of World Ocean Database and World Ocean Atlas Alexey Mishonov , Tim Boyer, Ricardo Locarnini, Hernan Garcia, Dan Seidov, James Reagan, Christopher Paver, Olga Baranova, Scott Cross, Courtney Bouchard, Ebenezer Nyadro, Alexandra Grodsky and Dmitry Dukhovskoy
10:15	Stakeholders' engagement as a key instrument to devise the future strategy for the Observatorio Costeiro da Xunta de Galicia Clara Almécija , Silvia Allen-Perkins, Pablo Álvarez-Chaver, Garbiñe Ayensa, Jesús Calviño, Silvia Calvo, Isaac Gómez-Piñeiro, Ignacio Gonzalez-Liaño, Eva Méndez, Pedro Montero, Silvia Piedracoba, Santiago Salsón, Cristian Simoes, Juan Taboada, Silvia Torres and Marta Vazquez
10:30	Coffee break
11:00	EMODnet near real time river data and land boundary condition services Francisco Campuzano, Antonio Novellino , Patrick Gorringe, Caio Fonteles, Luís Figueiredo, Enrico Quaglia, Francesco Misurale and Marco Alba
11:15	Broad ranges for quality control of coastal data related to marine eutrophication: the Mediterranean Sea case study Marina Lipizer , Maria Eugenia Molina Jack, Megan Anne French, Alessandra Giorgetti, Anastasia Iona and Marilena Tsompanou
11:30	EMODnet Bathymetry - High Resolution Seabed Mapping – increasing the resolution of the digital bathymetry for European seas Thierry Schmitt, Dick Schaap , George Spoelstra, Benoit Loubrieu, Cécile Pertuisot, Martin Verlaan, Ricard Campos and Knut Hartmann
11:45	The i-waveNET Decision Support System – user-driven aggregations and analysis of forecasts and observations Joel Azzopardi , Audrey Zammit and Adam Gauci
12:00	The International Quality-controlled Ocean Database (IQuOD) Simona Simoncelli , Rebecca Cowley, Zhetao Tan, Rachel Killick, Guilherme Castelão, Lijing Cheng, Simon Good, Tim Boyer, Bill Mills, Uday Bhaskar and Ricardo Locarnini
12:15	Integrating deep learning and multiscale ecosystem connectivity of the marine habitat Haitham Ezzy , Anna Brook and Dror Angel
12:30	Lunch break – Scandic Bergen City Hotel, ground floor



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Tuesday 28 May - 14:00 - 18:15

Session INFRA: Marine environmental infrastructures for observation data (data management and access)

Chairs: Alessandra Giorgetti - OGS, Dick Schaap - MARIS

10 orals, 15 posters

14:00	Session introduction by chairs
14:05	The EMODnet Central Portal: how federated webservices led to a centralisation success story Joana Beja, Conor Delaney , Tim Collart, Frederic Leclercq and Bart Vanhoorne
14:30	EMODnet Biology: an EU service for the marine biology community and beyond Joana Beja , Leen Vandepitte, Ruben Perez Perez, Benjamin Weigel, Marina Lipizer, Bart Vanhoorne, Lennert Tyberghein and Emodnet Biology Consortium
14:45	Marine Litter data management in EMODnet Chemistry: how lessons learned in EU contribute to develop global scale litter data management, Matteo Vinci , Maria Eugenia Molina Jack, Elena Partescano, Alexia Cociancich, Alessandro Altenburger, Alessandra Giorgetti, Francois Galgani, Amandine Thomas, Georg Hanke, Miquel Canals, Noriko Tamiya-Hase, Luis F. Ruiz-Orejón, Marco Palma, Artur Palacz and Jennifer Webster
15:00	10 years of being a national research infrastructure - NMDC (Norwegian Marine Data Centre) providing seamless access to marine data Helge Sagen
15:15	H2020 Eurofleets+ Data Management: an integrated data stewardship approach across multidisciplinary Transnational Access cruises Hong Minh Le , Sissy Iona, Elena Partescano and Dick Schaap
15:30	Coffee break
16:00	Poster session PRODUCT and INFRA
17:00	EuroGOOS Data Policy - enhancing FAIR data for ocean science and operational oceanography, Thierry Carval, Steven Piel
17:15	Unlocking the Depths: ODIS Initiative and Polish Contributions to Global Oceanographic Data Marcin Wichorowski , Mirosława Ostrowska, Lena Szymanek, Urszula Pączek, Michał Wójcik, Krzysztof Rutkowski and Wojciech Paciura
17:30	Shaping an Ocean of Possibilities for science-industry collaboration – The data management behind an innovation platform Linda Baldewein , Carsten Schirnick, Angela Schäfer, Sylvia Reißmann, Marc Adolf and Ulrike Kleeberg
17:45	A first roadmap for data management solutions of low-cost ocean observing technology Patrick Gorringer, Antonio Novellino and Peter Thijsse
18:00	Sharing how data and evidence underpins the UKs leading role in offshore wind to enable net zero, energy security and nature recovery Chelsea Bradbury and John Mitchell
20:30	Social dinner – Scandic Bergen City hotel, meeting room



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Wednesday 29 May - 09:00 – 17:45

Session SERVICES: Data services and tools in ocean science

Chairs: Christine Coatanoan - IFREMER, Ute Brönnner - SINTEF

19 orals, 31 posters

09:00	Session introduction by Chairs
09:05	Ireland's Digital Ocean enhancing Ocean Sustainability and Informed Decision-Making through Ocean Digital Twins and Effective Data Management Eoin O'Grady , Tara Keena and Andrew Conway
09:30	A Comprehensive Approach to Marine Biodiversity Data Validation: The Biocheck Tool Ruben Perez Perez, Bart Vanhoorne, Lynn Delgat, Joana Beja and Leen Vandepitte
09:45	BEACON - High performance data access supporting the marine data lake Peter Thijsse , Robin Kooyman and Tjerk Krijger
10:00	EMODnet - Ingestion and safekeeping of marine data sets Sissy Iona and Dick Schaap
10:15	The data conversion process for the M-VRE webODV Ingrid Linck Rosenhaim , Sebastian Mieruch-Schnülle and Reiner Schlitzer
10:30	Coffee break
11:00	The AqualNFRA Interaction Platform: Access to FAIR Multi-disciplinary Freshwater and Marine Data and Services to Restore our Ocean and Waters by 2030 Henning Sten Hansen , Simon Keeble, Kathryn Keeble, Juha Oksanen, Merret Buurman, Arne.J. Berre, Sami Domisch, Carsten Keßler, Lise Schrøder and Solvita Stråke
11:15	Blue-Cloud 2026 - Federating European FAIR and Open Research Ecosystems for Marine data Rita Meneses, Sara Pittonet, Dick Schaap and Pasquale Pagano
11:30	The Galaxy platform as a ground breaking FAIR tool for Earth System's analytical workflows Marie Jossé , Jérôme Detoc and Erwan Bodéré
11:45	D4Science: Advancing Ocean Science Through Collaborative Data Analysis Massimiliano Assante , Leonardo Candela, Luca Frosini, Francesco Mangiacrapa, Elisa Molinaro and Pasquale Pagano
12:00	Eurofleets+ Virtual playground Paolo Diviacco and Alessandro Busato
12:15	NERSC ARctic VirtuAl Laboratory (NARVAL) Adrien Perrin , Johnny A. Johannessen and Antonio Bonaduce
12:30	Lunch break – Scandic Bergen City Hotel, ground floor
14:00	Modernised Cruise Summary Report directory: enhanced access to and management of marine cruises Marine Vernet , Vanessa Tosello, Nolwenn Danioux and Frédéric Merceur
14:15	Optimizing Data Discovery and preservation: A FAIR-Compliant Metadata Management System Asuka Yamakawa , Cristian Munoz Mas, Arnfinn Morvik and Helge Sagen
14:30	Making methods available through a globally distributed system: Introducing the Ocean Practices Federated Network Cristian Munoz Mas , Marc Taconet, Neil Holdsworth, Peter Pissierssens, Ruth Anderson, Gercende Courtois, Pauline Simpson, Pier Luigi Buttigieg, Jay Pearlman, Tamsin Vicary, Ffion Bell, Anton Ellenbroek, Tiziano Di Condina, Aureliano Gentile and Kiran Viparthy
14:45	Building on an interoperable, federated system to make it easier to find marine data



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	Clare Postlethwaite, Colm Walsh , Gaynor Evans and Charlotte Miskin-Hymas
15:00	A new online app for ocean temperature quality control - An artificial intelligence approach Sebastian Mieruch and Mohamed Chouai
15:15	iMagine, AI-supported imaging data and services for ocean and marine science Gergely Sipos, Dick Schaap , Alvaro Lopez Garcia and Valentin Kozlov
15:30	<i>Coffee Break</i>
16:00	Poster session SERVICES
17:00	Introducing adviceXplorer – a new app that makes ICES fisheries management advice interactive and accessible Luca Lamoni and Sarah Louise Millar
17:15	Assessment of Online Translation Tools for Indigenous Languages in the Ocean Domain in the Arctic Sigmund Kluckner , Maria van Verldhuizen and Jay Pearlman
17:30	Closure by organizers



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