

Monday 12 April - 13:30 - 17:45

Introduction

Chairs: Michele Fichaut (IFREMER, France), Dick Schaap (MARIS, Netherlands)

13:30	Introduction to the conference, structure and objectives + Welcome by Special Guests Michèle Fichaut, Taco de Bruin, Prof. Dr. Henk Brinkhuis, Prof. Dr. Martin Visbeck and Dr. Iain Shepherd
13:45	UN Decade of Ocean Science for Sustainable Development – new challenges and opportunities to strengthen the international cooperation Sergey Belov
14:00	The SeaDataCloud project achievements and its wider impact on European marine data management standards, practices and infrastructures Dick Schaap and Michele Fichaut

Session Products: Data products, information and knowledge

Chairs: Sissy Iona (HCMR, Greece), Charles Troupin (University of Liège, Belgium)

14 orals, 25 posters

14:15	35 - World Ocean Database in 3D: Development, Dissemination, Deliverables Alexey Mishonov , Tim Boyer, Ricardo Locarnini, Hernan Garcia, Dan Seidov, Melissa Zweng, Christopher Paver, Olga Baranova, James Reagan, Igor Smolyar and Alexandra Grodsky
14:33	68 - Time-Series Data Products from the Australian Integrated Marine Observing System Marton Hidas , Eduardo Klein Salas, Guillaume Galibert, Sebastien Mancini, Craig Steinberg, Bernadette Sloyan, Michael Hemming, Ana Redondo Rodriguez, Miaoju Chen, Simon Spagnol and Peter Jansen
14:41	<i>Health break</i>
15:00	94 - The Ocean InfoHub Project Lucy Scott , Tobias Spears, Peter Pissierssens, Arno Lambert and Pier Luigi Buttigieg
15:08	27 - EMODnet Chemistry: progresses and challenges along the path to the European marine litter data management Matteo Vinci , Eugenia Molina, Elena Partescano, Alessandra Giorgetti, Alessandro Altenburger, Alexia Cociancich and Erik Geletti
15:16	100 - EMODnet Bathymetry - High Resolution Seabed Mapping – increasing the resolution of the digital bathymetry for European seas Thierry Schmitt , Dick Schaap, George Spoelstra, Benoit Loubrieu, Cecile Pertuisot, Martin Verlaan, Sandra Gaytan Aguilar, Ricard Campos and Knut Hartmann
15:24	93 - Blue-Cloud Demonstrator: A machine learning approach to derive plankton biomass and diversity products from the Global Ocean Patricia Cabrera , Viviana Otero, Gert Everaert, Raphaëlle Sauzède, Renosh Pannimpullath-Remanan, Hervé Claustre, Julia Uitz, Alexander Barth, Charles Troupin and Lennert Schepers

15:32	140 - SeaDataCloud temperature and salinity climatologies for the European marginal seas and the Global Ocean Simona Simoncelli , Christine Coatanoan, Volodymyr Myroshnychenko, Örjan Bäck, Helge Sagen, Serge Scory, Nadia Pinardi, Alexander Barth, Charles Troupin, Kanwal Shahzadi, Paolo Oliveri, Reiner Schlitzer, Michele Fichaut and Dick Schaap
15:40	91 - To patch, rebuild, or to build new? The genesis of the ICES portal Carlos Pinto , Mehdi Abbasi, Anna Osypchuk, Joana Ribeiro and Neil Holdsworth
15:48	90 - The concept of featured data services in the PORTO interface Aldo Drago, Audrey Zammit , Adam Gauci, Anthony Galea, Joel Azzopardi, Raisa Galea De Giovanni, Gianfranco Calise, Giuseppe Ciraolo, Salvatore Aronica, Rosario Sinatra, Elisabetta Paradiso and Fulvio Capodici
15:56	95 - The CYCOFOS new Web GIS Elena Zhuk and George Zodiatis
16:04	<i>Health break</i>
16:18	Poster session Products, view posters here
17:13	130 - Are the pan-European seas a promising source for critical metals supply? GeoERA-MINDeSEA Marine Data and Information Management Best Practices Trevor Alcorn , Xavier Monteys, Javier Gonzalez, Iker Blasco and Ana Lobato
17:21	19 - Supporting the essential - Recommendations for the development of accessible and interoperable marine biological data products Dan Lear , Peter Herman, Gert Van Hoey, Lennert Schepers, Natalie Tonné, Marina Lipizer, Frank Muller-Karger, Ward Appeltans, Daniel Kissling, Neil Holdsworth, Martin Edwards, Ellen Pecceu, Henrik Nygård, Gabrielle Canonico, Silvana Birchenough, George Graham, Klaas Deneudt and Joana Beja
17:29	46 - Predicting the spread of invasive marine species with open data and machine learning: Process and Challenges Adrian Bumann , Robin Teigland, Jannes Germishuys, Benedikt Ziegler, Martin Mattson, Eddie Olsson, Robert Rylander, Marcus Lindh, Yixin Zhang and Torsten Linders
17:37	57 - A picture is worth a thousand data points: Making videos and images from marine environmental monitoring available to all Markus Lindh , Patrick Gorrige and Johan Stål
17:45	<i>End of day 1</i>

Tuesday 13 April - 13:30 - 17:40
Session Services: Data services and tools in ocean science

Chairs: Alexandra Kokkinaki (BODC, United Kingdom), Peter Thijsse (MARIS, Netherlands)

18 orals, 24 posters

13:30	126 - Virtual Research Environments supporting sustainability of global fisheries Anton Ellenbroek , Marc Taconet, Julien Barde, Anne-Elise Nieblas, Aymen Charef, Aureliano Gentile and Emmanuel Blondel
13:48	64 - SeaDataCloud Virtual Research Environment: Implementation and Technical Aspects Merret Buurman , Charles Troupin, Alexander Barth, Sebastian Mieruch, Leo Bruvry-Lagadec, Narayanan Krishnan, Themis Zamani, Giorgio Santinelli, Fedor Baart, Peter Thijsse and Filip Waumans
13:56	69 - Working with the SeaDataCloud Virtual Research Environment: what can we do for you? Charles Troupin , Alexander Barth, Leo Bruvry-Lagadec, Merret Buurman, Seppo Kaitala, Narayanan Krishnan, Sebastian Mieruch, Giorgio Santinelli, Peter Thijsse, Filip Waumans and Themis Zamani
14:04	38 - webODV – operational and ready for the community Sebastian Mieruch and Reiner Schlitzer
14:12	52 - Deep Learning for Supporting Ocean Data Quality Control Serdar Demirel, Sebastian Mieruch and Reiner Schlitzer
14:20	13 - The European HF Radar node: two years distributing standardized and quality-controlled data to the major European Marine Data Portals Lorenzo Corgnati , Carlo Mantovani, Anna Rubio, Emma Reyes, Paz Rotllan, Antonio Novellino, Patrick Gorringe, Jose Luis Asensio Igoa, Annalisa Griffa and Julien Mader
14:28	<i>Health break</i>
14:48	49 - Novel automated quality control procedures for BGC data developed by the Copernicus Marine Service In-Situ TAC Team Vidar Lien , Jan Even Nilsen, Håvard Vindenes, Leonidas Perivoliotis, Seppo Kaitala and Virginie Racapé
14:56	99 - Blue-Cloud: Developing a marine thematic EOSC cloud to explore and demonstrate the potential of cloud based open science in the domain of ocean sustainability Sara Pittonet Gaiarin , Sara Garavelli, Dick Schaap, Pasquale Pagano, Anton Ellenbroek, Kate Larkin, Gilbert Maudire, Alain Arnaud and Frederico Drago
15:04	103 - EMODnet Ingestion and safe-keeping of marine data Sissy Iona and Dick Schaap
15:12	135 - EMSO ERIC Data Services: managing distributed data through an ERDDAP federation Antoine Queric , Rob Thomas, Maurice Libes, Enoc Martinez, Claudia Fratianni, Tania Morales, Helen Snaith, Maria Sotiropoulou, Sylvie Van Iseghem, Raluca Radulescu, Paulo José Relvas de Almeida, Raul Bardaji and Ivan Rodero
15:20	29 - OceanTeacher Global Academy: IOC's Capacity Development Tool Claudia Delgado , Greg Reed and Peter Pissierssens

15:28	34 - A collaborative approach to improving access to UK marine data Charlotte Miskin-Hymas , Jake Kuyer, Rob Daniel, Nicola Dewey, Dr Sean Gaffney, Dr Robin McCandliss and Dr Clare Postlethwaite
15:36	40 - IMARDIS - A Marine Data Infrastructure Serving the Needs of the Welsh Marine Sector David Mills , Thomas Prebble, Guy Walker-Springett, Cathy Blakey, Gwyn Roberts, Sudha Susarita and Martin Austin
15:44	<i>Health break</i>
16:00	Poster session Services, view posters here
17:00	36 - Applying the RDF DataCube model to power data visualization and exploration dashboards for the Irish Wave and Weather Buoy Networks Rob Thomas , Donnchadh Ó Foghlú, Kieran Lyons and Will Meaney
17:08	26 - The French research vessels management: an opportunity for harmonized data Cecile Pertuisot , Frederic Merceur, Nolwenn Danioux, Goulwen Peltier and Loïc Petit De La Villéon
17:16	107 - SatBałtyk System- modern tool for monitoring and research of the Baltic Sea Mirosława Ostrowska , Joanna Stoń-Egiert and Agnieszka Zdun
17:24	138 - HarmonIA project: web application for data visualisation Damir Ivanković , Dalibor Jelavić, Maria Eugenia Molina Jack and Marina Lipizer
17:32	139 - PLOCAN multi-platform observatory data infrastructure Tania Morales, Ruben Marrero, Eduardo Caudet, Eric Delory and Jose Joaquin Brito
17:40	<i>End of Day 2</i>

Wednesday 14 April - 09:30 - 12:10

Session Tech: Technical developments for marine information and data management

Chairs: Merret Buurman (DKRZ, Germany), Sebastien Mancini (AODN, Australia)

9 orals, 21 posters

09:30	96 - How to stop re-inventing the wheel: a data management case study Jen Thomas , Marco Alba, Eric Bouillet, Antonio Novellino, Carles Pina Estany and Michele Volpi
09:48	42 - A Modular Approach to Cataloguing Marine Science Data Adam Leadbetter, Will Meaney, Elizabeth Tray, Andrew Conway, Sarah Flynn, Tara Keena , Caoimhín Kelly and Rob Thomas
09:56	113 - FAIR Semantics and the NVS Alexandra Kokkinaki , Gwenaelle Moncoiffe and Yann Le Franc
10:04	143 - Semantic interoperability of operational parameter terminologies in marine sciences Gwenaelle Moncoiffe , Alexandra Kokkinaki, Alison Pamment, Neil Holdsworth, Hans Mose Jensen, Adam Shepherd, Adam Leadbetter and Rob Thomas
10:12	71 - Increasing FAIRness of marine data within ENVRI-FAIR Peter Thijsse , Thierry Carval, Valerie Harscoat, Dick Schaap, Sylvie Pouliquen, Ivan Rodero, Benjamin Pfeil, Katrina Exter and Envrifair Wp Partners
10:20	66 - Delivering Quality Marine Data and Services: the IODE Quality Management Framework Greg Reed and Rob Thomas
10:28	Health break
10:45	Poster session Tech, view posters here
11:45	147 - Evolving the UNESCO/IOC Ocean Best Practices System: preparing methods for the oceans' digital ecosystem Pier Luigi Buttigieg , Cora Hörstmann, Pauline Simpson and Jay Pearlman
11:53	117 - Digital twin of the North Sea Joan Staeb , Igor Mayer, Yvonne Koldenhof, Fedor Baart, Petra Jeurissen and Peter Thijsse
12:01	47 - Enhancing the technical architecture of the Unified State Ocean Information System (ESIMO) through the use of a cloud platform and digital technologies Sergey Belov , Nikolai Mikhailov and Alexey Kozlovcev
12:09	End of Day 3 Morning

Wednesday 14 April - 14:00 - 16:30

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

Chairs: Simona Simoncelli (INGV, Italy), David Mills (Bangor University, United Kingdom)

11 orals, 8 posters

14:00	121 - A novel, spatially based, real-time software solution for the avoidance of “choke” bycatch species Amos Barkai , Heidi Henninger and Ron Smolowitz
14:18	22 - Data Management Architecture to enable Multinational Co-operation Andrew Conway and Adam Leadbetter
14:26	44 - Unifying specialized databases for a central search portal – the HCDC approach Linda Baldewein , Ulrike Kleeberg, Dietmar Sauer, Robin Luckey, Philipp S. Sommer and Housam Dibeh
14:34	59 - ODATIS: cluster for French marine data management Valérie Harscoat , Sabine Schmidt, Gilbert Maudire, Cécile Nys, Joël Sudre, Caroline Mercier, Gérald Dibarboure and Frédéric Huynh
14:42	61 - Gena, a cross-domain crowdsensing infrastructure Paolo Diviacco , Rodrigo Carbajales, Massimiliano Iurcev, Nikolas Potleca and Alessandro Busato
14:50	Health break
15:10	Poster session Infra, view posters here
15:40	10 - River data management for coastal oceanography Antonio Novellino , Flavio Santos, Estrella Olmedo, Marco Alba, Luca Bonofiglio, Patrick Gorringer, Francisco Campuzano and Caio Fonteles
15:48	106 - Welcome to the now: How to handle EOV Inorganic Carbon data in respect to the Sustainable Development Goals and the FAIR Data Management Principles Benjamin Pfeil , Steve Jones, Maren K. Karlsen, Rocío Castaño Primo and Camilla Landa
15:56	129 - Recent developments on the integrated information system for the support of the implementation of the Greek Marine Strategy Framework Directive Angelos Lykiardopoulos, Paraskevi Drakopoulou, Athanasia-Sissy Iona, Vassiliki Loukaidi, Christina Damianou, Vasilis Lakes and Konstantinos Kalkavouras
16:04	145 - In-situ Real-time Underwater Noise Dataflow: from OBSEA to EMODnet Enoc Martínez , Daniel M. Toma, Antonio Novellino, Marco Alba and Joaquín del Río
16:12	97 - Interoperable Provision of Research Vessel Tracking Data via OGC SensorThings API and Sensor Observation Service Christian Autermann , Simon Jirka and Dick Schaap
16:20	148 - Ship Of Opportunity Monitoring of the Western Mediterranean Sea using FerryBox Sana Ben Ismail , Sondos Awachri, Nouha Barraj, Mohamed Anis Ben Ismail and Cherif Sammari
16:28	Closure