

Monday 5, November 2018						
	08:30 - 09:30	Registration	Installation of posters (session 1)			
	09:30 - 09:35	Welcome by local organiser			<b>Jordi Sorribas</b>	
	09:35 - 09:50	Welcome by local authorities			<b>Joaquim Tintoré</b> (Research Infrastructures CSIC)	
	09:50 - 10:00	Introduction to the conference, structure and objectives and practical information			<b>M. Fichaut</b> and <b>Susana Diez Tagarro</b>	
	10:00 - 10:15	SeaDataNet, what's up in the cloud?			<b>D. Schaap</b> , M. Fichaut	
Count	<b>Session 1 - 16 orals</b> <b>36 posters</b>	<b>Data services and tools in ocean science</b> - Services and tools for discovery, visualisation, dissemination - Services and tools for data processing and data analysis - Services and tools for data ingestion - Services and tools for data management - Virtual Research Environment (VRE), Cloud environment - European Open Science Cloud (EOSC) and Blue Cloud pilot - Open data for the marine domain			<b>Chairs: Adam Leadbetter, Cynthia Chandler</b>	<b>#</b>
1	10:15 - 10:45	Presentation 1 - Keynote	Bridging the gap between data and sensor information		<b>Roland Koppe</b> , Ana Macario	150
	10:45 - 11:15	Coffee Break				
2	11:15 - 11:30	Presentation 2	New SOCIB Data Catalog REST API		<b>Juan Gabriel Fernández</b> , Paz Rotllan Garcia, Cristian Munoz Mas, Inmaculada Ruíz, Miguel Charcos, Miquel Àngel Rújula, Xisco Notario, Sonia Gómara, Miquel Gomila and Joaquín Tintoré	101
3	11:30 - 11:45	Presentation 3	Australian Ocean Data Network utilises Amazon Web Service Batch processing for gridded data		<b>Sebastien Mancini</b> , Roger Proctor, Peter Blain and Kate Reid	60
4	11:45 - 12:00	Presentation 4	eCUDO.pl – towards the Polish Oceanographic Data Committee		<b>Marcin Wichorowski</b> , Michał Piotrowski, Lena Szymanek, Urszula Pączek, Mirosława	128
5	12:00 - 12:15	Presentation 5	The integration platform of Roshydromet for data exchange within Russian and international projects		<b>Alina Lazareva</b> and Sergey Belov	77
6	12:15 - 12:30	Presentation 6	Data Driven Blue Growth - Meeting Ocean Renewable Energy Sector Needs with iMarDIS		Graham Worley, <b>David Mills</b> , Thomas Prebble, Cathy Blakey, Gwyn Roberts and Colin Jago	143
	12:30 - 14:00	lunch break				
7	14:00 - 14:15	Presentation 7	WebODV – a tool for the online analysis of marine data		<b>Sebastian Mieruch</b> and Reiner Schlitzer	149
8	14:15 - 14:30	Presentation 8	The BODC Parameter Usage Vocabulary (PUV) semantic model exposed		<b>Gwenaëlle Moncoiffé</b> and Alexandra Kokkinaki	132
9	14:30 - 14:45	Presentation 9	Exposing the SeaDataNet metadata catalogues via SPARQL endpoints		Chris Wood, Adam Leadbetter, <b>Alexandra Kokkinaki</b> and Rob Thomas	145
10	14:45 - 15:00	Presentation 10	The SeaDataCloud Virtual Research Environment: Researching the Sea from the Cloud		<b>Merret Buurman</b> , <b>Peter Thijsse</b> , Sri Harsha Vathsavayi, Sebastian Mieruch, Gael Leblan, Giorgio Santinelli and Alexander Barth	159
	15:00 - 16:00	<b>Poster session - Session 1</b> ; Authors of the poster selected in Session 1 have to stand by their poster				
	16:00 - 16:30	coffee break				
11	16:30 - 16:45	Presentation 11	EMODnet Central Portal data services		Paula Oset, <b>Simon Claus</b> , Francisco Hernandez, Bart Vanhoorne, Filip Waumans, Jan-Bart Calewaert, Pascal Derycke, Alessandra Giorgetti, Helen Lillis, Antonio Novellino, Alessandro Pititto, Dick Schaap, Henry Vallius and Thierry Schmitt	156
12	16:45 - 17:00	Presentation 12	EMODnet Physics: a horizontal platform serving blue growth		<b>Antonio Novellino</b> , Paolo D'Angelo, Patrick Gorringer, Dick Schaap, Peter Thijsse, Sylvie Pouliquen and Giuseppe Manzella	18
13	17:00 - 17:15	Presentation 13	EMODnet Data Ingestion: 'Wake up your data'		<b>Dick Schaap</b> , Sissy Iona and Francis Strobbe	136
14	17:15 - 17:30	Presentation 14	The Deep Sea Spy system: building a marine images annotation database from participative science		<b>Catherine Borremans</b> and Marjolaine Matabos	133
15	17:30 - 17:45	Presentation 15	Cloud-based national on-line services to annotate and analyse underwater imagery		<b>Roger Proctor</b> , Tim Langlois, Ariell Friedman, Sebastien Mancini, Xavier Hoenner and	94
16	17:45 - 18:00	Presentation 16	MBARI Media Management - Tools for Turning Video into Data		<b>Brian Schlining</b> , Nancy Jacobsen Stout, Linda Kuhn, Lonny Lundsten, Kyra Schlining and Susan von Thun	58

**Tuesday 6, November 2018**

**Session 2 -  
11 orals  
17 posters**

**Technical developments for marine information and data management**

- Standards for data interoperability
- Quality assurance
- Data citation, DOI, PID and data versioning
- Monitoring and tuning
- Best practice

**Chairs: Dick Schaap, Gwen Moncoiffé**

**08:30 - 09:00**

**Installation of posters (sessions 2 and 3)**

17	09:00 - 09:30	Presentation 1 - Keynote	The place of Schema.org in Linked Ocean Data	<a href="#">Adam Leadbetter</a> , Rob Thomas, Adam Shepherd, Doug Fils and Kevin O'Brien	61
18	09:30 - 09:45	Presentation 2	Establishing "Best practice" data workflows in marine research at GEOMAR, Kiel	<a href="#">Hela Mehrrens</a> , Pina Springer, Claas Faber, Lisa Paglialonga and Carsten Schirnick	103
19	09:45 - 10:00	Presentation 3	Technologies for a FAIRer Use of Ocean Best Practices	<a href="#">Pier Luigi Buttigieg</a> , Pauline Simpson, Jay Pearlman, Peter Pissierssens, Scott Caltagirone, Mark Bushnell, Juliet Hermes, Emma Heslop, Johannes Karstensen, Frank Muller-Karger, Cristian Muñoz and Francoise Pearlman	74
20	10:00 - 10:15	Presentation 4	Leveraging FAIR principles to enhance SOCIB corporative Data Management Strategy	<a href="#">Cristian Munoz</a> , Miguel Charcos, Sonia Gomara, Miquel Gomila, Francisco Notario, Paz Rotllan, Inmaculada Ruiz, Miquel Angel Rujula, Juan Gabriel Fernandez and Joaquin Tintore	65
21	10:15 - 10:30	Presentation 5	An example of adopting and adapting SeaDataCloud and INSPIRE data models to map EMODnet nutrients data	<a href="#">Elena Partescano</a> , Alessandra Giorgetti, Alessandro Sarretta and Dick Schaap	52
<b>10:30 - 11:00 Coffee Break</b>					
22	11:00 - 11:15	Presentation 6	Interoperability of new data type with SeaDataNet Infrastructure: Case of Flow cytometry data	Soumaya Lahbib, Maurice Libes, Gwenaëlle Moncoiffé, Gérald Grégori, Michèle Fichaut, Dick Schaap, Mathilde Dugenne, Michel Denis, Pierre Marrec and Melilotus Thyssen (presentation by <a href="#">Yolanda Del Amo</a> )	27
23	11:15 - 11:30	Presentation 7	EMODnet Physics and River Runoff data management	<a href="#">Francisco Campuzano</a> , Ana Oliveira, Jorge Palma, Ramiro Neves, Patrick Gorringer, Giuseppe Manzella and Antonio Novellino	26
24	11:30 - 11:45	Presentation 8	SmartDots: an online international platform for age reading workshops and calibration	<a href="#">Carlos Pinto</a> , Julie Davies, Kevin De Coster, Colin Millar, Wim Allegaert, Anna Osypchuk, Rui Catarino, Jane Godiksen, Karen Bekaert, Neil Holdsworth and Els Torreele	35
25	11:45 - 12:00	Presentation 9	Automated data ingestion for the Australian Ocean Data Network	Roger Proctor, <a href="#">Sebastien Mancini</a> , Peter Blain, Leigh Gordon, Angus Scheibner and Laurent Besnard	59
26	12:00 - 12:15	Presentation 10	A service for publishing sensors on the web using OGC and W3C standards	<a href="#">Louise Darroch</a> , Alexandra Kokkinaki, Justin Buck, Thomas Gardner, Cieran Brazier and Gwenaëlle Moncoiffé	161
27	12:15 - 12:30	Presentation 11	Interoperable data management and instrument control experiences with the EMSO Generic Instrument Module at OBSEA	<a href="#">Daniel Mihai Toma</a> , Enoc Martínez, Joaquin Del Rio, Óscar Garcia and Juanjo Dañobeitia	176
<b>12:30 - 14:00 lunch break</b>					

<b>Session 3 - 9 orals 17 posters</b>		<b>Marine environmental infrastructures for observation data</b> - Operational oceanography metadata/data systems - Physical and bio-chemical metadata/data systems - Geophysical and geological metadata/data systems - Fisheries and biological metadata/data systems - Cross infrastructure activities		<b>Chairs: Loic Petit de la Villéon, Taco de Bruin</b>	
28	14:00 - 14:30	Presentation 1 - Keynote	IIOE-2 Data and Information Management	<b>Cynthia Chandler</b> , Tobias Spears, Pauline Simpson, Peter Pissiersens, Ntahondi Mcheche Nyandwi, Harrison Ong'Anda, Roger Proctor, E. Pattabhi Rama Rao and Nelly Riama	80
29	14:30 - 14:45	Presentation 2	Enhancing the integration of in-situ Atlantic Ocean observation data and services to users	<b>Valerie Harscoat</b> , Sylvie Pouliquen and Wpseven Partners	34
30	14:45 - 15:00	Presentation 3	JCOMMOPS Integrated Monitoring System	Mathieu Belbéoch, Long Jiang, Martin Kramp, <b>Anthonin Lizé</b> and Emanuela Rusciano	71
15:00 - 16:00		<b>Poster session - Sessions 2 and 3;</b> Authors of the poster selected in Sessions 2 and 3 have to stand by their poster			
16:00 - 16:30		coffee break			
31	16:30 - 16:45	Presentation 4	Towards a Regional Database and Estimation System for Fisheries	<b>David Currie</b> , Laurent Dubroca, Edvin Fuglebakk, Kirsten Birch Håkansson, Henrik Kjems-Nielsen, Twan Leijzer and Nuno Prista	72
32	16:45 - 17:00	Presentation 5	MARBEC-Obs: Towards a virtual observatory of marine and coastal ecosystems, mainly in Mediterranean and tropical areas	<b>Régis Hocdé</b> , Valérie Derolez and Angélique Jadaud	89
33	17:00 - 17:15	Presentation 6	DASSH, The Archive for Marine Species and Habitats Data – International Standards for National Data Management Excellence	<b>Anna Luff</b> , Dan Lear, Kevin Paxman and Matthew Arnold	92
34	17:15 - 17:30	Presentation 7	Unlocking European Marine Biodiversity Data under EMODnet Biology using the FAIR principles	<b>Simon Claus</b> , Christos Arvanitidis, Nicoals Bailly, Klaas Deneudt, Daphnis De Pooter, Peter Herman, Dan Lear, Paula Oset and Leen Vandepitte	163
35	17:30 - 17:45	Presentation 8	Facilitating the Publication of Real-Time Marine Observation Data: The SeaDataCloud SWE Ingestion Service	Simon Jirka and <b>Christian Autermann</b>	90
36	17:45 - 18:00	Presentation 9	Assessment of existing services and new services provided by the Copernicus Marine In Situ Thematic Assembly Centre	<b>Loic Petit de La Villeon</b> and Sylvie Pouliquen	48
20:30		Social dinner			

**Wednesday 7, November 2018**
**Session 4 -  
17 orals  
26 posters**
**Data products, information and knowledge**

- Quality Check procedures and data consistency assessment for historical data collections for climatic studies
- Machine learning and its application to data collection and data quality check
- Regional and global data collections and marine data aggregations
- Validation of data products and uncertainty estimation
- Distribution and publication of data products

**Chairs: Elena Tel, Paolo Diviacco**
**08:30 - 09:00**
**Installation of posters (session 4)**

37	09:00 - 09:30	Presentation 1 - Keynote	A New World Ocean Temperature Profile Product (v0.1): The International Quality Controlled Ocean Database (IQuOD)	<b>Catia Domingues</b> , IQuOD team	105
38	09:30 - 09:45	Presentation 2	OceanBestPractices System: a global resource to facilitate harmonizing practices in ocean observation, data and information	<b>Peter Pissierssens</b> , <b>Cristian Munoz</b> , Johannes Karstensen, Jay Pearlman, Pauline Simpson, Mark Bushnell, Juliet Hermes, Emma Heslop, Frank Muller-Karger and Francoise Pearlman	69
39	09:45 - 10:00	Presentation 3	Generating ocean climatologies from in situ observations	Alexander Barth, <b>Charles Troupin</b> , Sylvain Watelet, Aida Alvera-Azcárate and Jean-Marie Beckers	138
40	10:00 - 10:15	Presentation 4	Using Jupyter Notebooks as a Data Scientist "Work bench" for quality assurance of data processing flows and quality control of data series	<b>Rob Thomas</b> , Sarah Flynn, Will Meaney, Siobhan Moran, Ramona Carr and Adam Leadbetter	140
41	10:15 - 10:30	Presentation 5	SeaDataCloud temperature and salinity data collections	<b>Simona Simoncelli</b> , Christine Coatanoan, Volodymyr Myroshnychenko, Örjan Bäck, Helge Sagen, Serge Scory, Reiner Schlitzer, Michèle Fichaut and Dick Schaap	162
	10:30 - 11:00	Coffee Break			
42	11:00 - 11:15	Presentation 6	HELCOM Map and Data service – system for making available assessment data products and underlying data for various use cases	<b>Joni Kaitaranta</b> and Andžej Miloš	54
43	11:15 - 11:30	Presentation 7	Error Characterization of Sea Surface Salinity Products using Triple Collocation Analysis	Nina Hoareau, Marcos Portabella, Wenming Lin, <b>Joaquim Ballabrera-Poy</b> and Antonio Turiel	25
44	11:30 - 11:45	Presentation 8	IBISAR: Skill Assessment service for real-time ranking of met-ocean data products in the IBI area for emergency and SAR operators	<b>Emma Reyes</b> , Baptiste Mourre, Paz Rotllán, Ismael Hernández, Eric Comerma, Tayebeh Tajalli Bakhsh, Anna Rubio, Julien Mader, Luis Ferrer, Christian De Lera Fernandez, Enrique Álvarez-Fanjul, Alejandro Orfila and Joaquín Tintoré	153
45	11:45 - 12:00	Presentation 9	Coastal Data Portals to Support Marine Science and Management – the coastMap Approach	<b>Linda Baldewein</b> , Ulrike Kleeberg, Marcus Lange and Dietmar Sauer	62
46	12:00 - 12:15	Presentation 10	Marine Base Maps in Coastal Norway: A case for developing sustainable blue growth in coastal communities	<b>Minika Ekanem</b>	88
47	12:15 - 12:30	Presentation 11	An Update on Ireland's Integrated Digital Ocean	Eoin O'Grady and <b>Adam Leadbetter</b>	141
	12:30 - 14:00	lunch break			
48	14:00 - 14:15	Presentation 12	MARMOD Database: Marmara Sea Marine Data	Devrim Tezcan, <b>Volodymyr Myroshnychenko</b> , Serap Kantarli, Hacer Selamoğlu Çağlayan, Hüsnü Altıok and Barış Salihoğlu	169
49	14:15 - 14:30	Presentation 13	Enlarging the EMODnet Chemistry focus with the EU Marine Litter data challenge	<b>Matteo Vinci</b> , Alessandra Giorgetti, Alberto Brosich, Maria Eugenia Molina Jack, Maria Del Mar Chaves Montero, Anna Maria Addamo, Georg Hanke and Francois Galgani	42
50	14:30 - 14:45	Presentation 14	How to encourage new marine data users and providers through communication and outreach? The examples of EMODnet and the European Atlas of the Seas	Andrée-Anne Marsan, <b>Jan-Bart Calewaert</b> and Oonagh Mcmeel	118
51	14:45 - 15:00	Presentation 15	EMODnet High Resolution Seabed Mapping – further developing a high resolution digital bathymetry for European seas	Thierry Schmitt, <b>Dick Schaap</b> and George Spoelstra	135
	15:00 - 16:00	<b>Poster session - Session 4:</b> Authors of the poster selected in Session 4 have to stand by their poster			

16:00 - 16:30	coffee break				
<b>Session 4 - 17 orals 26 posters</b>	<b>Data products, information and knowledge</b>			<b>Chairs: Elena Tel, Paolo Diviacco</b>	
	- Quality Check procedures and data consistency assessment for historical data collections for climatic studies				
	- Machine learning and its application to data collection and data quality check				
	- Regional and global data collections and marine data aggregations				
	- Validation of data products and uncertainty estimation				
	- Distribution and publication of data products				
52	16:30 - 16:45	Presentation 16	EyeonWater: Advancing in adopting citizen science for water quality monitoring	<b>Peter Thijsse</b> and Hans van der Woerd	155
53	16:45 - 17:00	Presentation 17	SOCIB and Balearic Islands Lifeguards: An example of data products and services that provide direct social benefits	<b>Paz Rotllan Garcia</b> , Biel Frontera, Emma Heslop, Cristian Munoz Mas, Baptiste Mourre, Melanie Juza, Amaya Alvarez, Lluís Gomez, Miquel Angel Rujula, Inmaculada Ruiz, Xisco Notario, Miguel Charcos, Emma Reyes, Miquel Gomila, Sonia Gomara, Juan Gabriel Fernandez and Joaquin Tintoré	73
17:00 -17:15	Closure				