

Theme Session M

Environmental and fisheries data management, access, and integration

Conveners: Christopher Zimmerman (Germany), Helge Sagen (Norway), and Peter H. Wiebe (USA)

Agenda and Order of the Day

Friday 22 September 10.00–12.30 (Auditorium 2)

Friday 22 September 13.30–15.30 (Auditorium 2)

Friday 22 September 16.00–18.00 (Auditorium 2)

		Time
1.	Opening	10.00
2.	Introduction and background	
3.	Presentation of Papers	
<i>Code</i>	<i>Author(s) and title</i>	
M:12	<i>Julie Gillin: ICES data strategy, systems and services</i>	10.10–10.30
M:05	<i>Fergal Nolan: Confidentiality of fisheries data in the context of enforcement activities versus research</i>	10.30–10.50
M:06	<i>Taco de Bruin: NODC-i – The national infrastructure for access to oceanographic and marine data and information in the Netherlands</i>	10.50–11.10
M:22	<i>Gerry Sullivan, Denis Tremblay, and Denis Madore: Fisheries data management, access, integration and sharing – the Canadian approach</i>	11.10–11.30
M:17	<i>P. D. Cotton: The UK marine data and information partnership</i>	11.30–11.50
M:16	<i>Hans Mose Jensen, Julie Gillin, Jacqueline Jones, and Patrick Roose: Overcoming obstacles to data integration: A case history</i>	11.50–12.10
	Discussion	12.10–12.30
	Lunch break	12.30–13.30
M:30	<i>K. Deneudt and E. Vanden Berghe: Integrating environmental data from heterogeneous sources: dangers and pitfalls</i>	13.30–13.50
M:27	<i>Tiffany C. Vance, Bernard A. Megrey, and Christopher W. Moore: GeoModeler – Integration of a nutrient-phytoplankton-zooplankton (NPZ) model and an individual-based model (IBM) with a geographic information system (GIS)</i>	13.50–14.10
M:31	<i>Marieke Eleveld, Alfred Wagtendonk, Reinhold Pasterkamp, and Nils de Reus: WATeRS: A Web Map Service with near-real time MODIS standard chlorophyll products of the North Sea</i>	14.10–14.30
M:23	<i>K. De Cauwer, M. Devolder, S. Jans, A. Meerhaeghe, and S. Scory: IDOD: an integrated marine environmental database</i>	14.30–14.50
M:26	<i>A. Meerhaeghe, K. De Cauwer, M. Devolder, S. Jans, and S. Scory: Revealing species communities in a spatial and temporal overlap</i>	14.50–15.10
	Discussion	15.10
	Coffee break	15.30–16.00

M:33	<i>Hein Rune Skjoldal and Martin Holt</i> : NORSEPP quarterly update reports on North Sea conditions – Operational Oceanography and fish stocks	16.00–16.20
	Discussion	16.20–16.40
M:02	<i>Henrik Degel and Teunis Jansen</i> : FishFrame: fisheries and stock assessment data framework	16.40–17.00
M:10	<i>Lena Inger Larsen and Henrik Sparholt</i> : Measuring uncertainty in trawl surveys: implementation in DATRAS	17.00–17.20
M:20	<i>Christophe Tufféry and Stéphanie Mahevas</i> : Fisheries data quality management: toward quality indicators	17.20–17.40
M:28	<i>Vardis M. Tsontos, D. A. Kiefer, and P. A. Livingston</i> : A web-based fisheries oceanographic information system for the Gulf of Alaska	17.40–18.00

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Saturday 23 September 09.30–11.00 (Auditorium 1)

Saturday 23 September 11.30–13.30 (Auditorium 1)

	Introduction	09.30
M:29	<i>Henrik Kjems-Nielsen, Lena Larsen, Maria Zarecki, Teunis Jansen, Brian Cowan, Peter Sandbeck, Mads Dueholm, and Ole Skov</i> : InterCatch – a tool for fish stock assessment, status, and methods	09.35–09.55
M:51	<i>Tim Pauly, Greg Lee, John Corbett, and Matthew Wilson</i> : 4-D environmental data visualization and analysis. What we have learned from the unique challenges in working with complex temporal and spatial (4-dimensional) data derived from modern fisheries sonar systems	09.55–10.15
	Discussion	10.15–10.40
M:15	<i>Roy Lowry, Luis Bermudez, and John Graybeal</i> : Semantic interoperability: a goal for marine data management	10.40–11.00
	Coffee break	11.00–11.30
M:34	<i>Dick M. A. Schaap and Catherine Maillard</i> : Sea-Search – SeaDataNet: Development of a common data index based upon ISO19115	11.30–11.50
M:13	<i>Marek Ostrowski</i> : An object-based approach to integration of software to support management and reporting of marine ecosystem survey data	11.50–12.10
M:18	<i>A. Nikouline, E. Tel, M. J. González, and M. J. García</i> : Use of public domain tools for Internet access of oceanographic data at IEO	12.10–12.30
	Discussion, wrap-up, future perspectives	12.30–13.30
Posters		
M:01	<i>Teunis Jansen and Henrik Degel</i> : FishFrame – Estimation of discard of using FishFrame 4.2	
M:03	<i>Julio Martínez Portela, M. Sacau, X. Cardoso, A. Gago, and J. Rodríguez</i> : Preliminary results of an experimental fishing targeting <i>Dissostichus eleginoides</i> in the southwest Atlantic by means of new designed pots	
M:04	<i>Andrey Pedchenko, V. Guzenko, and A. Karsakov</i> : Distribution and migration of cod in the Spitsbergen area in dependence on oceanographic conditions	
M:14	<i>Iyob Tsehaye and Leo A. J. Nagelkerke</i> : The effect of individual species variability on the use of the total catch as an indicator of trends in a multispecies fisheries in the Red Sea	
M:21	<i>Martina Hennessy, Christopher Allsop, and Ciarán Kelly</i> : A multi-faceted approach to data integration in the Marine Institute	
M:25	<i>Célia Teixeira and Henrique Cabral</i> : Flatfish fisheries off the Portuguese coast	
M:35	<i>Martin Hansson and Lotta Fyrberg</i> : Satellite monitoring of cyanobacterial blooms in the Baltic Sea	

- M:36 *Jan Szaron and Lotta Fyrberg: SeaDataNet Pan-European infrastructure for ocean and marine data management*
- M:37 *Henk Heessen, Niels Daan, Paul Eastwood, Jim R. Ellis, Neil Fletcher, Remment ter Hofstede, Colin Kirk, Lena Larsen, and Henrik Sparholt: ICES-FishMap, an electronic atlas of North Sea fish*
- M:38 *Remment ter Hofstede and Niels Daan: Green light needed for quality check DATRAS; examples from the North Sea IBTS*
- M:39 *Michele Fichaut, A.M. Jégou, T. Carval, L. Delauney, J. F. Le Roux, E. Moussat, and J. F. Piollé: Data Centre for Coastal Operational Oceanography*
- M:40 *Robert C. Groman, P. H. Wiebe, M. D. Allison, and G. Heimerdinger: Adding interoperability features to the U.S. JGOFS/U.S. GLOBEC data management system*
- M:41 *Taco de Bruin: Differences in CTD operations: significant differences in the resulting data?*
- M:42 *Jonas F. Henriksen and Nina Nordlund: SONATE – SONAR effectTs on marine life – Aiding naval officers in planning safe operation of active sonar*
- M:43 *Jan R. Andersen, Karen Gjertsen, Helge Sagen, and Øivind Østensen: Coastal monitoring on the Internet*
- M:44 *Kareen Bröker and Jonas F. Henriksen: Mareano WEB – GIS Internet portal for marine data in Norwegian waters*
- M:45 *Ana Rita Vieira, I. Farias, L. Serrano Gordo, I. Figueiredo, P. Bordalo-Machado, T. Moura, A. Neves, and B. Serra-Pereira: Can otolith shape analysis and age estimation be helpful for fisheries management of black scabbardfish, *Aphanopus carbo*, in Portuguese waters?*
- M:46 *Marisa Batista and Henrique Cabral: Resource exploitation patterns of the flatfish fishery in the west coast of Portugal*
- M:47 *Edward Vanden Berghe: The European Register of Marine Species: a tool for data integration*
- M:48 *K. Deneudt and E. Vanden Berghe: The VLIZ Maritime Boundaries Geodatabase as a biogeographical tool*
- M:49 *Julie Gillin and Mike Drew: ICES Data User Survey*
- M:50 *Hilde van Pelt: Development of a genetic catalogue, biological reference collections and online database of European marine fishes (FishTrace)*