

Theme Sessions

Theme Session A on Structure and dynamics of the benthos in ICES waters

Theme Session B on Integrating observations and models to improve predictions of ecosystem response to physical variability

Theme Session C on Developing the ecosystem approach to the management of human activities for the Baltic Sea

Theme Session D on Comparative marine ecosystem structure and function: Descriptors and characteristics

Theme Session E on Marine biodiversity: A fish and fisheries perspective

Theme Session F on Zooplankton community structure and biomass in the mesopelagic and deeper layers

Theme Session G on Linking oceanographic physical features with biological production and fish habitat potentials

Theme Session H on Effects of environmental changes on the biology, physiology, and behaviour of pelagic fish

Theme Session I on Effects of hazardous substances on ecosystem health in coastal and brackish-water ecosystems: present research, monitoring strategies, and future requirements

Theme Session J on Applications of passive sampling devices in environmental monitoring, assessment, research, and testing

Theme Session K on Monkfish across the world: common problems and common solutions

Theme Session L on Stock identification – applications for aquaculture and fisheries management

Theme Session M on Increasing energy costs and impact on fishers' activities and economics – another challenge for fishers and managers

Theme Session O on Flying outside the ICES Assessment WG paradigm – Alternative approaches to providing fisheries management advice

Theme Session P on External independent peer reviewing – achievements and failures

Theme Session Q on Science underpinning stock abundance survey practice, including unaccounted fishing mortality, especially ghost fishing

Theme Session R on The ecosystem approach: what's the impact on marine science, science-based advice, and management of marine ecosystems

Theme Session A
on
Structure and dynamics of the benthos in ICES waters
 Conveners: Hubert Rees (UK), Edward Vanden Berghe (Belgium), Steven Degraer (Belgium), and Heye Rumohr (Germany)

Agenda and Order of the Day

Tuesday, 18 September 2007, 10:00–18:00

Nordia Room, Marina Congress Center, Helsinki, Finland

1)	Opening	10:00
2)	Introduction	10:05
3)	Presentation of Papers	10:10

A:02	Authors: Pablo Munguia and Richard Osman	10:10
	Title: Dominance and community thresholds in Long Island Sound benthic communities	
A:09	Authors: Ine Moolaert, Kris Hostens, Hans Hillewaert, and Jan Wittoeck	10:25
	Title: Spatial variation of the macrobenthos species and communities of the Belgian Continental Shelf and the relation to environmental variation	
A:04	Authors: S. Degraer, E. Verfaillie, W. Willems, E. Adriaens, M. Vincx, and V. Van Lancker	10:40
	Title: Habitat suitability as a modelling tool for macrobenthic communities: An example from the Belgian part of the North Sea	
A:15	Authors: Inês Cardoso, José Pedro Granadeiro, and Henrique N. Cabral	10:55
	Title: Benthic macroinvertebrates vertical distribution – The influence of tidal cycle	
A:12	Authors: Ine Moolaert and Kris Hostens	11:10
	Title: Post-extraction evolution of a macrobenthic community on the intensively extracted Kwintebank site in the Belgian part of the North Sea	
A:21	Authors: H. L. Rees <i>et al.</i>	11:25
	Title: The ICES North Sea Benthos Project 2000: aims, outcomes and recommendations	
A:18	Authors: E. Vanden Berghe	11:30
	Title: The ICES North Sea Benthos Project 2000: data management issues, outcomes and recommendations	
A:19	Authors: P. J. Kershaw, C. Mason, H. Hillewaert, and G. Irion	11:45
	Title: The ICES North Sea Benthos Project 2000: sediment characterization and trace metal concentrations in sediments from the North Sea	
A:17	Authors: Eike Rachor	12:00
	Title: The ICES North Sea Benthos Project 2000: North Sea benthic communities in 2000	
A:06	Authors: I. Kröncke <i>et al.</i>	12:15
	Title: The ICES North Sea Benthos Project 2000: changes in North Sea macrofauna communities between 1986 and 2000	
	Lunch break	12:30
A:01	Authors: P. Durán Muñoz, M. Sacau, M. Sayago-Gil, T. Patrocinio, L. M. Fernández-Salas, F. J. Murillo, V. Díaz del Río, A. Serrano, and S. Parra	13:30

	Title: ECOVUL/ARPA (Estudio de los eCOsistemas VULnerables y los ARtes de Pesca): A Spanish Interdisciplinary Research Project focused on the Study of the Hatton Bank Deep-Sea Fisheries (ICES XIIIb & VIb1) and their Relationship with Vulnerable Ecosystems/Habitats, integrating Fisheries Biology, Marine Geology, Benthic Ecology and Sedimentology	
A:05	Authors: A. Jordaan, M. G. Frisk, N. H. Wolff, L. S. Incze, and L. Hamlin	13:45
	Title: Structure of fish assemblages along the Northeastern United States based on trawl survey data: indicators of biodiversity and a basis for ecosystem and area-based management	
A:07	Authors: J. R. Ellis, T. Maxwell, M. Schratzberger, K. Warr and S. I. Rogers	14:00
	Title: Small-scale heterogeneity in the mobile macro-epifauna associated with mud, sand and coarse habitats	
A:03	Authors: S. Vaz, R. ter Hofstede, J. Martin, J-M Dewarumez, Y. Verin, D. Le Roy, H. Heessen, and N. Daan	14:15
	Title: Benthic invertebrates community structure inferred from bottom trawl hauls observations and its relationships to abiotic conditions in the southern North Sea	
A:13	Authors: J. Laurent, M.-H. Rondeau, D. Grelon, M.-J. Leblanc, P. Archambault, and M.-L. Larrivière.	14:30
	Title: Development of a sea cucumber (<i>Cucumaria frondosa</i>) commercial fishery: evaluation of short-term impact of dredging on the north coast of Gaspé (Québec, Canada) ecosystem	
A:14	Authors: Ulrich Damm	14:45
	Title: Observations on macrobenthos from a beam trawl survey in the German Bight	
	Coffee break	15:00
A:16	Authors: J. A. Lindley and R. R. Kirby	15:30
	Title: Long-term changes in the meroplankton of the North Sea	
A:20	Authors: J. D. Eggleton, B. K. Smith, H. Reiss, E. Rachor, E. Vanden Berghe, and H. L. Rees.	15:45
	Title: The ICES North Sea Benthos Project 2000: species distributions and changes (1986–2000)	
A:08	Authors: Wouter Willems, H. Rees, M. Vincx, P. Goethals, and S. Degraer	16:00
	Title: The ICES North Sea Benthos Project 2000: relations and interactions between environmental factors and biotic properties	
A:10	Authors: Henning Reiss <i>et al.</i>	16:15
	Title: The ICES North Sea Benthos Project 2000: infauna, epifauna and demersal fish in the North Sea: community patterns and underlying processes	
A:21	Authors: H. L. Rees <i>et al.</i>	16:30
	Title: The ICES North Sea Benthos Project 2000: aims, outcomes and recommendations	
	Discussion: to include the future role of benthos studies in ICES science; lessons learnt from synoptic surveys and the future needs (North Sea and elsewhere)	16:45 – 18:00

4) Posters

Note: the following posters will be on display for the duration of the ASC. Attendees at Theme Session A are urged to visit these in advance of the Discussion where relevant issues may be raised.

A:23	Authors: J. R. Ellis, G. Burt and S. I. Rogers
	Title: Epifaunal sampling in the Celtic Sea

A:24	Authors: B. I. Berenboim, N. A. Anisimova, I. E. Manushin, and P. A. Lubin
	Title: Barents Sea benthos survey, 2003–2006

A:25	Authors: Kim Byoung Sub, Seo Seong Ho, and Choi Im Ho
	Title: Distribution of Invertebrates on artificial reefs along South-eastern Coast of Jeju Island, Korea

A:27	Authors: Choi Im Ho, Seo Seong Ho, and Kim Byoung Sub
	Title: Distribution patterns of benthic macro-invertebrate in the artificial reef settled in the Southwestern waters, Korea

A:28	Authors: Inês Cardoso, José Pedro Granadeiro, and Henrique N. Cabral
	Title: Benthic prey quantity and quality in the main mudflat feeding areas of the Tagus estuary: implications for bird and fish populations

A:29	Authors: Diana Dziaduch
	Title: A new appearance of the benthic amphipod <i>Dyopedos monacanthus</i> (Metzger, 1875) in the southern Baltic Sea, the first record in the Slupsk Furrow

Theme Session B
on
Integrating observations and models to improve predictions
of ecosystem response to physical variability

Conveners: Elizabeth W. North (USA), N. Penny Holliday (UK), Sarah Hughes (UK), and Skip McKinnell (PICES)

Agenda and Order of the Day

Thursday, 20 September 2007, 10:00–18:00

Fennia II Room, Marina Congress Center, Helsinki, Finland

- | | | |
|-----|------------------------|-------|
| 1) | Opening | 10.00 |
| 2) | Introduction | |
| 3) | Presentation of Papers | |

B:02	Authors: Brian R. MacKenzie and Doris Schiedek	10:10
	Title: Daily ocean monitoring since the 1860s shows record warming of northern European seas	
B:01	Authors: Sukgeun Jung, Young Shil Kang, Young-Sang Suh, Joon-Yong Yang, Jinyeong Kim, and Yeong Gong	10:30
	Title: Spatial variability in oceanographic conditions of sea waters off Korea in relation to the regional climate changes during the past 40 years	
B:03	Authors: Marcos Llope and Ricardo Anadón	10:50
	Title: Sea surface warming in the southern Bay of Biscay modulated by oceanic advection	
B:09	Authors: Wilhelm Petersen	11:10
	Title: Primary production in the Southern North Sea – Estimations from continuous oxygen measurements by a FerryBox	
B:14	Authors: Henning Wehde, Dominique Durand, Jo Høkedal, Pierre Jackard, and Kai Sørensen	11:30
	Title: Improvement of process understanding through the use of high frequent Ferrybox observations	
B:08	Authors: V. Valencia, A. Fontán, L. Ferrer, J. Mader, and M. González	11:50
	Title: Operational oceanography and numerical models in the Basque Coast (SE Bay of Biscay). New implementations and future work	
		12:10
	Lunch break	12:30
B:17	Authors: H. Cannaby, M. Cure, K. Lyone, and G. Nolan	13:30
	Title: Near-real time validation of an operational hydrographic model	
B:13	Authors: Sarah Hinckley, A. J. Hermann, K. Coyle, and W. Cheng	13:50
	Title: Sensitivity of the timing of the phytoplankton bloom in a 3D biophysical model of the Gulf of Alaska (GOA) to salinity stratification	

B:15	Authors: Irina Alekseeva, C. Schrum, R. Diekmann, and M. St. John	14:10
	Title: Creation of synergy effects for understanding long-term ecosystem variability: ECOSMO model results vs. Continuous Plankton Recorder data	
B:05	Authors: Trisha L. Amundrud and A. G. Murray	14:30
	Title: Validating particle tracking models of sea lice dispersion in Scottish Sea Lochs	
B:07	Authors: G. O. Johansen, M. Skogen, O. R. Godø, and T. Torkelsen	14:50
	Title: Predicting recruitment of 0-group gadoids in the Barents Sea – critical interaction between models and observations	
	Coffee break	15:30
B:12	Authors: Sarah Hinckley, C. Parada, B. Ernst, L. Orensanz, D. Armstrong, E. Curchitser, and A. Hermann	16:00
	Title: Settlement patterns of snow crab associated with warm and cold years in the Eastern Bering Sea	
B:11	Authors: Rubao Ji, Cabell Davis, Changsheng Chen, David Townsend, David Mountain, and Robert Beardsley	16:20
	Title: Modeling the influence of North Atlantic freshening on phytoplankton dynamics in the Nova Scotian Shelf and Gulf of Maine region	
B:16	Authors: Jon H. Vølstad, Mary Christman, Edward D. Weber, Danny Lewis, and Jodi Dew	16:40
	Title: Modeling spatial and temporal variability in the population dynamics of eastern oysters (<i>Crassostrea virginica</i>) in Chesapeake Bay as a function of salinity and weather conditions	
B:06	Authors: H. Hátún, J. Arge, and A. B. Sandø	17:00
	Title: Environmental influence on the spawning distribution and migration pattern of northern blue whiting (<i>Micromesistius poutassou</i>)	
B:10	Authors: Christian Mohn and Martin White	17:20
	Title: Mechanisms of bio-physical coupling at submarine bank ecosystems	
B:04	Authors: Vona Méléder, Jacques Populus, Anouar Hamdi, and Brigitte Guillaumont	17:40
	Title: Predictive modelling of subtidal kelp forests. Brittany coast (France) case study	

4) Posters

B:20	Authors: Eckhard Bethke, Anne Sell, and Hans-Joachim Rätz
	Title: A simple approach for the estimation of food consumption from growth rates at different environmental conditions and its application to data of juvenile cod (<i>Gadus morhua</i> L.) of a fjordic sea loch at the west coast of Scotland
B:21	Authors: Oleg V. Titov, Victor A. Ivshin, Alexander G. Trofimov, and Vladimir K. Ozhigin
	Title: Long-term variations in the Barents Sea frontal zones according to the data on oceanographic observations and model calculations
B:22	Authors: Alexander G. Trofimov, Tatiana A. Prokhorova, and Vladimir K. Ozhigin
	Title: The influence of water dynamics on the distribution of 0-group herring in the Barents Sea
B:23	Authors: Tenno Dreves, Andres Jaanus, and Arno Põllumäe
	Title: Catch per unit of effort and growth of flounder (<i>Platichthys flesus</i>): impact of temperature

B:24	Authors: John Aldridge, S. Painting, R. Parker, D. Mills, and P. Kershaw
	Title: Key processes driving benthic-pelagic coupling in the North Sea: linkages between fieldwork and modelling for a new observational programme
B:25	Author: Sarah L. Hughes
	Title: Physical variability in the northern North Sea: model validation
B:27	Authors: M. A. Langston, D. Beare, K. Brander, A. Kellermann, A. J. Kenny, A. D. Perkins, and G. L. Rogers
	Title: Real-time analysis and visualization of complex marine ecosystem relationships: a case study using North Sea historical data

Theme Session C
on
Developing the ecosystem approach to the management of
human activities for the Baltic Sea

Conveners: Andris Andrushaitis (Latvia), Eero Aro (Finland), and
Christian Möllmann (Germany)

Agenda and Orders of the Day

Monday, 17 September 2007, 15:30–18:00

Tuesday, 18 September 2007, 10:00–15:00

Europaea Room, Marina Congress Center, Helsinki, Finland

Order of the Day

Monday, 17 September 2007, 15:30–18:00

1) Opening	15:30
2) Introduction	15:30–15:40
3) Presentation of Papers	15:40–18:00

General aspects of the EAM, marine policy and societal links

(Chair: Andris Andrushaitis)

C:05	Authors: Evald Ojaveer, Eugeniusz Andrulowicz, and Margers Kalejs	15:40– 15:55
	Title: Natural and anthropogenic background for development of ecosystem-based management in the Baltic Sea	
C:01	Authors: Hermann Backer, Anne Christine Brusendorff, Kaj Forsius, Juha-Markku Leppänen, and Monika Stankiewicz	15:55– 16:10
	Title: Implementation of ecosystem approach to the management of human activities in the Baltic Sea by the Helsinki Commission	
C:20	Authors: Jan Thulin and Andris Andrushaitis	16:10– 16:25
	Title: Implementation of the Large Marine Ecosystem Concept in the Baltic Sea	
C:07	Authors: E. Lindén, A. Lehtikoinen, S. Kuikka, R. Aps, J. Kotta, G. Martin, T. Saat, H. Pitkänen, A. Räsänen, P. Korpinen, T. Stipa, S. Kaitala, A. Jolma, and P. Sinivuori	16:25– 16:40
	Title: EVAGULF – Protection of aquatic communities in the Gulf of Finland: risk-based policymaking	
C:02	Authors: Taina Ihaksi, S. Kuikka, I. Helle, and T. Lecklin	16:40– 16:55
	Title: Using biological knowledge and decisions of society in spatial prioritization of oil combating	

Assessment of Baltic Sea ecosystem health and pollution

(Chair: Andris Andrushaitis)

C:18	Authors: Bärbel Müller-Karulis, Christian Möllmann, Rabea Diekmann, Juha Flinkman, Georgs Kornilovs, Maris Plikshs, Anna Gårdmark, Piotr Margonski, Philip Axe, Arno Pöllumäe, Jari Pekka Pääkkönen, and Martin Lindegren	16:55– 17:10
	Title: Analyses of ecosystem state and development as a basis for ecosystem-based management of the Baltic Sea – results of the ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea	

C:06	Author: Eugeniusz Andrulowicz	17:10– 17:25
	Title: Some results of the ICES/BSRP SGEH approach to ecosystem-based management of the Baltic Sea	
C:15	Author: Sergey Golubkov	17:25– 17:40
	Title: Dynamics of biodiversity in the eastern Gulf of Finland (Baltic Sea): the role of climatic and anthropogenic factors	
C:16	Authors: Aarno T. Kotilainen, Viktoras Didziulis, Jyrki Hämäläinen, Jouni Leinikki, Panu Oulasvirta, and Anu M. Reijonen	17:40– 17:55
	Title: Mapping and classifying the marine habitats of the Archipelago Sea, the northern Baltic Sea	
	Summing up (Chair)	17:55– 18:00

Order of the Day

Tuesday, 18 September 2007, 10:00–15:00

1) Opening	10:00
2) Introduction	10:00–10:10
3) Presentation of Papers	10:10–12:30
	13:30–15:00

Productivity of the lower trophic levels

(Chair: Christian Möllmann)

C:09	Authors: Sergey Aleksandrov, O. Dmitrieva, N. Zhigalova, V. Lidvanov, and A. Fedorov	10:10– 10:30
	Title: Structure and functioning of plankton communities in the Baltic Sea along the scheduled route pipeline “Nord Stream”	
C:21	Author: Michael Olesen	10:30– 10:50
	Title: The mutual dependence between productivity and community respiration of a summer system in the Baltic Proper	
C:03	Authors: Piotr Margoński, Bärbel Müller-Karulis, Arno Põllumäe, Solvita Strake, and Georgs Kornilovs	10:50– 11:10
	Title: Zooplankton indicators of eutrophication and productivity for the Baltic Sea	
	Summing up (Chair)	11:10– 11:20

EAM for sustainable fisheries

(Chair: Eero Aro)

C:12	Author: Olavi Stenman	11:20– 11:40
	Title: How does catching of grey seal (<i>Halichoerus grypus</i>) from the Bothnian Bay spring ice influence the population structure of seals and the local fish stocks?	
C:19	Author: Christian Möllmann	11:40– 11:55
	Title: A strategy for Ecosystem-Based Fisheries Management of the Central Baltic Sea based on the available knowledge of ecosystem functioning	

C:04	Author: Outi Heikinheimo	11:55– 12:15
	Title: Average salinity as an index for environmental forcing on cod recruitment in the Baltic Sea	
C:13	Authors: V. N. Feldman and S. M. Kasatkina	12:15– 12:30
	Title: Improvements of acoustic survey to support ecosystem-based management of marine resource for the Baltic Sea	
Lunch break, 12:30–13:30		
C:11	Author: Outi Heikinheimo	13:30– 13:45
	Title: Interactions between cod, herring and sprat in the Baltic Sea, simulated with a robust dynamic model	
C:10	Authors: Robert Aps, J. Kotta, R. Leiger, G. Martin, T. Saat, Ü. Suursaar, and E. Tulk	13:45– 14:00
	Title: Net Environmental Benefit Analysis – linking ecological values in the decision-making process on oil spill response in the Gulf of Finland (Baltic Sea)	
C:17	Authors: Pauli Snoeijs, Kaisa Kononen, and Christopher C. E. Hopkins	14:00– 14:30
	Title: What did Baltic Sea science produce in the years 2002–2006 and what did it cost?	
	Posters	14:30–
	Discussion	15:00
	Summing up (Chair)	

4) Posters

C:22	Authors: Vadim Panov and Stephan Gollasch
	Title: The new European on-line journal “ <i>Aquatic Invasions</i> ”: services for management of aquatic invasive species in the Baltic Sea area
C:23	Authors: Timo Arula, Ain Lankov, Heli Shpilev, and Evald Ojaveer
	Title: Abundance dynamics of herring larvae in the NE Gulf of Riga (Baltic Sea) in 1947–2005 and its relation to stock recruitment
C:24	Authors: Anetta Ameryk and Zbigniew Witek
	Title: Impact of anthropogenic and non-anthropogenic factors influencing bacterial productivity of the southern Baltic Sea coastal waters
C:25	Authors: Igor M. Belkin and Peter C. Cornillon
	Title: Baltic Sea thermal fronts from satellite data

Theme Session D
on
Comparative marine ecosystem structure and function:
Descriptors and characteristics

Conveners: Bernard A. Megrey (USA), Jason Link (USA), Webjørn Melle (Norway), and Ian Perry (Canada)

Agenda and Orders of the Day

Wednesday, 19 September 2007, 08:30–13:00

Thursday, 20 September 2007, 10:00–12:30

Europaea Room, Marina Congress Center, Helsinki, Finland

	Bern Megrey Opening Remarks	
D:23	Authors: K. Drinkwater, W. Melle, and H. Loeng Title: Climate variability and the ecosystems of the Barents and Norwegian Seas	08:30
D:08	Author: A. V. Dolgov Title: Trophic structure of the Barents Sea fish community with the special reference to the cod stock recovery ability	08:45
D:04	Authors: Franz J. Mueter and George L. Hunt, Jr. Title: The Eastern Bering Sea shelf: a highly productive seasonally ice-covered sea	09:00
D:12	Authors: Sarah Gaichas, Bernard A. Megrey, and Franz Mueter Title: The Gulf of Alaska Continental Shelf: Physics, Food Webs, and Fisheries	09:15
D:27	Authors: Jason Link, Kevin Friedland, Jon Hare, William Overholtz, and Maureen Taylor Title: An orientation to the Gulf of Maine – Georges Bank ecosystem	09:30
D:14	Authors: R. Ian Perry, William R. Crawford, and Alan F. Sinclair Title: Comparative analysis of Canadian Pacific North Coast and Strait of Georgia marine ecosystems	09:45
D:22	Authors: Chang Ik Zhang, Jae Bong Lee, Sun Kil Lee, and Bernard A. Megrey Title: Structure and function of three marine ecosystems in Korea: A comparative study	10:00
D:15	Authors: Alida Bundy, Sheila J.J. Heymans, Lyne Morissette and Claude Savenkoff Title: Seals, cod and forage fish: a comparative exploration of variations in the theme of stock collapse and ecosystem change in NW Atlantic ecosystems	10:15
	Coffee break	10:30– 11:00
D:16	Authors: Marie-Joëlle Rochet, Verena M. Trenkel, and Jacques A. Bertrand Title: Do population and community metrics tell the same story about recent changes in Western Mediterranean fish communities?	11:00
D:06	Authors: Ken Drinkwater, Cecilie Broms, Kevin Friedland, Jon Hare, George Hunt, Webjørn Melle, Franz Mueter, and Maureen Taylor Title: Comparison of 4 Northern Hemisphere regions: Physical oceanographic responses to recent climate variability	11:15

D:07	Authors: Franz Mueter, Cecilie Broms, Ken Drinkwater, Kevin Friedland, Jon Hare, George Hunt, Webjørn Melle, and Maureen Taylor	11:30
	Title: Comparison of 4 Northern Hemisphere regions: Ecosystem responses to recent oceanographic variability	
D:09	Authors: Jason S. Link <i>et al.</i>	11:45
	Title: A comparison of biological trends from four marine ecosystems: synchronies, differences, and commonalities	
D:10	Authors: Bernard A. Megrey <i>et al.</i>	12:00
	Title: A cross-ecosystem comparison of temporal variability in recruitment of functionally analogous fish stocks	
D:11	Authors: Sarah Gaichas <i>et al.</i>	12:15
	Title: A comparison of community and trophic structure in four marine ecosystems based on energy budgets and system metrics	
D:19	Authors: Catherine S. Longo, Marie-Joëlle Rochet, Francesco Colloca, Graham J. Pierce, Fabrizio Serena, and Simon P. R. Greenstreet	12:30
	Title: Fishing effects on fish species diversity in different environmental scenarios: a comparison of case-studies in Scottish, French and Italian waters	
D:18	Authors: Lyne Morissette, Torstein Pedersen, and Marianne Nilsen	12:45
	Title: Comparing pristine and depleted ecosystems: the Gulf of St. Lawrence, Canada vs. the Soerfjord, Norway. Effects of intense fisheries on marine ecosystems	
	Lunch break	13:00-14:00

Thursday, 20 September 2007, 10:00–12:30
Europaea Room

Webjørn Melle Opening Remarks

D:05	Authors: Fabio Pranovi and Jason Link	10:00
	Title: Comparative analysis of trophic webs of South New England and Northern Adriatic Sea	
D:03	Authors: Jari-Pekka Pääkkönen, H. Peltonen, J. Flinkman, M. Karjalainen, and Markku Viitasalo	10:15
	Title: Ecosystem state and trophic interactions between phytoplankton, micro- and mesozooplankton and planktivorous fish in the Gulf of Finland, Baltic Sea	
D:17	Authors: Geir Ottersen and Nils Chr. Stenseth	10:30
	Title: Inter-regional comparison of climate effects on marine fish populations facilitated through classification of mechanisms	
D:02	Authors: R. Suryan, M. Frederiksen, S. Wanless, B. Wallace, V. Saba, and S. Hatch	10:45
	Title: Environmental forcing of life history strategies: Multi-trophic level response at ocean basin scales	

D:01	Authors: S. Mackinson, G. Daskalov, H. Aranciba, F. Arreguin-Sanchez, and L. Shannon	11:00
	Title: Which forcing factors fit? Relative influence of climate and fishing on the dynamics of gadoids in marine ecosystems	
D:13	Authors: Andrei S. Krovnin and George P. Moury	11:15
	Title: The climate variations in the North Atlantic and North Pacific in 2000–2007 compared with the 2nd half of the XX century	
D:20	Authors: K. Sherman, I. Belkin, and J. O’Reilly	11:30
	Title: Variability of Large Marine Ecosystems in response to global climate change	
D:21	Authors: Igor M. Belkin and Peter C. Cornillon	11:45
	Title: Fronts in the World Ocean’s Large Marine Ecosystems	
	Ian Perry Poster Review	12:00
	Discussion, Integration and Conclusions	12:10-12:30
Posters		
D:24	Authors: Bradley J. Peterson, Charles C. Wall, and Christopher J. Gobler	
	Title: A light in murky waters: bivalve filtration facilitates growth of eelgrass in a eutrophied environment	
D:25	Authors: A.J. Kenny and G.H. Engelhard	
	Title: Examining the relative significance of ocean climate forcing, fishing pressure, fish landings, and TACs on the status of commercial fish populations in the southern North Sea	
D:26	Authors: N. McQuaid, R.P. Briggs, and D. Roberts	
	Title: Estimation of fecundity in <i>Nephrops norvegicus</i> (L.) from the Irish Sea	
D:29	Authors: Mariusz Zalewski, Zbigniew Witek, and Magdalena Wielgat-Rychert	
	Title: Ecosystem of the Vistula Lagoon in the light of results obtained in mathematical modelling	
D:30	Authors: Suzanne Painting, R. Forster, N. Greenwood, O. Mikkelsen, R. Parker, L. Fernand, and P. Kershaw	
	Title: Structure and function of pelagic and benthic food webs at 3 ecohydrodynamically distinct sites in the North Sea	
D:31	Authors: Benjamin Kürten, Suzanne Painting, Ulrich Struck, Liam Fernand, and Nicholas Polunin	
	Title: Food web structure at 3 contrasting sites in the North Sea	
D:32	Authors: Igor M. Belkin and John E. O’Reilly	
	Title: Satellite climatology of SST and chlorophyll fronts in the Northeast U.S. Large Marine Ecosystem	
D:33	Authors: Igor M. Belkin and John E. O’Reilly	
	Title: Propagation of Temperature-Salinity Anomalies along North America’s Eastern Seaboard	

Theme Session E
on
Marine biodiversity: A fish and fisheries perspective
 Conveners: Jim Ellis (UK), Remment ter Hofstede (the Netherlands), and
 Henn Ojaveer (Estonia)

Agenda and Orders of the Day
 Wednesday, 19 September 2007, 08:30–13:00
 Thursday, 20 September 2007, 10:00–15:30
 Nordia Room, Marina Congress Center, Helsinki, Finland

Wednesday, 19 September 2007, 08:30–13:00 Nordia Room		
	Opening	8:30
	Introduction	
	Presentation of papers and posters	
E:25	Authors: Brian R. MacKenzie and Pascal Lorance	8:40
	Title: MarFish: Causes and consequences of changing marine biodiversity, a fish and fisheries perspective	
E:07	Author: Jake Rice	9:00
	Title: Marine biodiversity – two remaining challenges	
E:01	Authors: J. Steele, J. Collie, D. Gifford, M. Fogarty, and J. Link	9:20
	Title: Species versus functional diversity in a fish community	
E:16	Authors: Einar Eg Nielsen, Brian R. MacKenzie, Eydfinn Magnussen, and Dorte Meldrup	9:40
	Title: Molecular methods for assessing temporal adaptive changes in fish populations; a case study employing historical analysis of Pan I in cod (<i>Gadus morhua</i>).	
E:27	Authors: Alexander Novoselov and Igor Studyonov	10:00
Poster	Title: The life history of smelts (<i>Osmerus Eperlanus</i> Linnaeus, 1758) in the system the northern Dvina river – the White Sea	
E:29	Authors: Tahere Bagheri and Ali Akbar Hedayati	10:05
Poster	Title: Investigation of blood serum osmo-ionregulation in great sturgeon (<i>Huso huso</i>) cultured in brackish water	
E:30	Author: Włodzimierz Grygiel	10:10
Poster	Title: Round goby (<i>Neogobius melanostomus</i> Pallas, 1811) ‘semi-domestic’ species in the Gulf of Gdansk (the southern Baltic; 1993–2004)	
E:31	Author: A. V. Dolgov	10:15
Poster	Title: Spatial and temporal dynamics of the demersal fish community in the Barents Sea	
	Coffee break	10:20
E:05	Authors: G. Almqvist, K. E. Skora, and M. Appelberg	11:00
	Title: Shortage of spawning habitats hampers spreading rate of the invasive round goby in southern Baltic Sea?	

E:10	Author: Anu Albert	11:20
	Title: Spatial variation in size distribution of two freshwater species, European perch (<i>Perca fluviatilis</i> L.) and roach (<i>Rutilus rutilus</i> L.), in the shallow coastal area of the NE Baltic Sea	
E:18	Authors: Anne F. Sell, Ingrid Kröncke, and Siegfried Ehrich	11:40
	Title: Linking the diversity of fish assemblages to habitat structure: A study on Dogger Bank (North Sea)	
E:19	Author: A. Brind'Amour	12:00
	Title: Functional diversity: a study on the Bay of Biscay nursery habitats	
E:33	Authors: Célia M. Teixeira and Henrique N. Cabral	12:20
Poster	Title: Time series analysis of flatfish landings in the Portuguese coast	
E:34	Authors: N. Pérez, A. Serrano, J. Santos, and F. Velasco	12:25
Poster	Title: Historical variation on total catch and ciscard CPUEs and bottom trawl survey abundances in the Northern Spanish Shelf: are they related?	
E:35	Authors: Filipa Baeta, Maria José Costa, and Henrique Cabral	12:30
Poster	Title: Trophic level of Portuguese fisheries landings during the period 1970–2005	
E:36	Authors: Efim A. Kukuev and Dmitry A. Kozlov	12:35
Poster	Title: Ichthyofauna investigations in the mezopelagial of the Gulf Stream zone and in the North Atlantic current system related to that zone (species composition and distribution peculiarities, zoogeographic analysis)	
E:37	Authors: Helen McCormick and Gavin Power	12:40
Poster	Title: Age estimation, growth maturity of the Dealfish, <i>Trachipterus articus</i>	
Thursday, 20 September 2007, 10:00–15:30 Nordia Room		
E:02	Author: Alexander Novoselov	10:00
	Title: The fish biodiversity of the Kara Bay	
E:08	Author: E. M. Karasiova and V. M. Ivanovich	10:15
	Title: Seasonal and year-to-year variability of ichthyoplankton assemblage diversity indices in the coastal zone of the south-eastern Baltic under the influence of spatio-temporal environmental dynamics	
E:11	Authors: Brian R. MacKenzie, Henrik Gislason, Christian Möllmann, and Friedrich W. Köster	10:30
	Title: Impact of 21st century climate change on the Baltic Sea fish community and fisheries	
E:14	Authors: E. M. Karasiova	10:45
	Title: The seasonal and inter-annual variability of ichthyoplankton biodiversity in the Gdansk Deep of the Baltic Sea during last decades	
E:21	Authors: J. Boldt, S. Bartkiw, P. Livingston, G. Walters, and G. Hoff	11:00
	Title: Indicators of size diversity in the eastern Bering Sea	

E:09	Author: H. O. Fock	11:15
	Title: Deep-sea pelagic ichthyonekton diversity in the Atlantic Ocean and the adjacent sector of the Southern Ocean	
E:04	Authors: Anna Kuparinen, Robert B. O'Hara, and Juha Merilä	11:30
	Title: Detecting fisheries-induced evolution in natural fish populations	
E:17	Authors: Mikko Heino and Ulf Dieckmann	11:45
	Title: Fisheries-induced selection as a driver of biodiversity change in exploited populations	
E:22	Authors: M. Dolgikh, Yu. Gerasimov, and O. Lapshin	12:00
	Title: Damaging action of trawl fishing on youngers and non-target fishes as a factor of decrease biodiversity of fish communities	
E:23	Authors: Katja Enberg and Mikko Heino	12:15
	Title: Fisheries-induced life history changes in herring	
	Lunch break	12:30
E:03	Authors: Inge Bødker Enghoff, Brian R. MacKenzie, and Einar Eg Nielsen	13:30
	Title: The Danish fish fauna during the warm Atlantic period (ca. 7,000–3,900 BC): forerunner of future changes?	
E:06	Authors: Włodzimierz Grygiel and Kordian Trella	13:45
	Title: Appearance of the 'visiting' fish species in the Polish research catches conducted in the southern Baltic (autumn–winter 1976–2004)	
E:12	Authors: Brian R. MacKenzie and Ransom A. Myers	14:00
	Title: The development of the northern European fishery for north Atlantic bluefin tuna <i>Thunnus thynnus</i> during 1900–1950	
E:13	Authors: Sebastian S. Uhlmann and Matt K. Broadhurst	14:15
	Title: Mortality of discards from southeastern Australian estuarine fishing gears: implications for improved resource management	
E:24	Authors: J. A. Lindley, N. C. Halliday and D. P. Stevens	14:30
	Title: Fish data from the Continuous Plankton Recorder survey	
	Discussion and Conclusions	14:45
	Closing	15:30

Theme Session F
on
Zooplankton community structure and biomass in the
mesopelagic and deeper layers

Conveners: Gabriel Gorsky (France) and Eilif Gaard (Faroe Islands)

Agenda and Order of the Day

Monday, 17 September 2007, 15:30–18:00

Nordia Room, Marina Congress Center, Helsinki, Finland

- 1) Opening
- 2) Introduction
- 3) Presentation of Papers

F:01	Author: Høgni Debes	15:30
	Title: Seasonal abundance and development of krill in the Faroe–Shetland Channel	
F:06	Author: Astthor Gislason	15:45
	Title: Vertical distribution and seasonal dynamics of mesozooplankton in the Iceland Basin	
F:03	Authors: W. D. Yoon, P. Nival, S. M. Choe, M. Picheral, and G. Gorsky	16:00
	Title: Vertical distribution and nutritional behaviour of <i>Cyclothone brauerii</i> , <i>Nematoscelis megalops</i> , <i>Meganyctiphanes norvegica</i> and <i>Salpa fusiformis</i> in the NW Mediterranean mesopelagic zone	
F:07	Authors: Tone Falkenhaug, Astthor Gislason, and Eilif Gaard	16:15
	Title: Vertical distribution and population structure of copepods along the northern mid-Atlantic ridge	
F:04	Authors: L. Stemmann, A. Hosia, M. J. Youngbluth, H. Søiland, M. Picheral, and G. Gorsky	16:30
	Title: Vertical distribution (0–1000 m) of gelatinous zooplankton in different hydrological regions along the Mid–Atlantic ridge in the North Atlantic	
F:02	Authors: D. M. Bailey, M. Picheral, A. J. Jamieson, G. Gorsky, O. R. Gødo, and P. M. Bagley	16:45
	Title: Distribution of bioluminescence and plankton in a deep Norwegian fjord measured using an ISIT camera and the digital Underwater Video Profiler	
F:08	Authors: Peter H. Wiebe, Ann Bucklin, Laurence Madin, Martin V. Angel, Tracey Sutton, Francesco Pagés, and Russell R. Hopcroft	17:00
	Title: Deep-sea holozooplankton species diversity in the Sargosso Sea, Northwestern Atlantic Ocean	
F:05	Authors: L. D. Guidi-Guilvard, D. Thistle, and A. Khripounoff	17:15
	Title: Two-year temporal variability of small hyperbenthos collected 4 m above the bottom in the deep (2347 m) NW Mediterranean	
F:09	Author: Mark C. Benfield	17:30
	Title: Gulf SERPENT: Development of a deep-sea plankton observation system in the Gulf of Mexico using industrial ROVs	
	Discussion	17:45

4) Posters

F:10 **Authors:** A. Hafferssas and R. Seridji

Title: Abundance and diversity of zooplankton communities in contrasting environments of the Algerian coasts

F:11 **Authors:** Natalia Zhigalova, Sergey Aleksandrov, and Yana Parfenova

Title: Long-term dynamics of zooplankton community in the South-Eastern Baltic Sea (1998–2006)

Theme Session G
on
**Linking oceanographic physical features with biological
production and fish habitat potentials**

Conveners: Pierre Petitgas (France), Corinna Schrum (Norway), and
Charles Hannah (Canada)

Agenda and Order of the Day

Tuesday, 18 September 2007, 10:00–18:00

Fennia I Room, Marina Congress Center, Helsinki, Finland

	1) Opening	10:00
	2) Introduction	
	3) Presentation of Papers	
	I) Distribution, aggregation and behaviour	
G:09	Authors: Jan Schulz and Hans-Jürgen Hirche	10:05
	Title: Vertical segregation of the zooplankton plankton community by hydrography and implications for trophodynamic interactions in the central Baltic Sea – A multivariate discriminant function- and canonical analysis	
G:10	Authors: A. Arkhipkin, P. Brickle, and V. Laptikhovskiy	10:20
	Title: Usage of the island water dynamics by spawning red cod, <i>Salilota australis</i> (Pisces: Moridae) on the Falkland Islands Shelf (Southwest Atlantic)	
G:20	Authors: M. Schaber, H.-H. Hinrichsen, S. Neuenfeldt, and R. Voss	10:35
	Title: Hydroacoustic resolution of small-scale vertical distribution of cod (<i>Gadus morhua</i> L.) in the central Baltic Sea at different hydrographic regimes	
G:14	Authors: Martin Huret, Pierre Petitgas, Corinna Schrum, and Benjamin Planque	10:50
	Title: Linking anchovy and sprat distributions with bio-physical oceanographic features: a Bay of Biscay–North Sea comparison	
G:16	Authors: Cécile Persohn, Pascal Lorange, and Verena Trenkel	11:05
	Title: Habitat preferences of selected demersal species in the Bay of Biscay and the Celtic Sea	
G:08	Author: M. Ostrowski	11:20
	Title: Impact of equatorial Kelvin waves on aggregations of sardinellas (<i>Sardinella</i> spp.) in Angolan waters	
G:17	Authors: Lewis Incze, N. Wolff, J. Lerczak, S. Rosen, S. Kraus, P. Stevick, and A. Baukus	11:35
	Title: Internal waves interact with topography over a small bank to produce a highly-focused feeding environment for fish, whales and birds	
G:04	Authors: Elliott L. Hazen, Ari S. Friedlaender, Dave Wiley, Michael Thompson, Colin Ware, and Mason Weinrich	11:50
	Title: Three dimensional prey aggregations and fine scale foraging patterns of Humpback whales (<i>Megaptera novaengliae</i>) in Stellwagen Bank Marine Sanctuary	
G:11	Authors: Meri Härmä, Antti Lappalainen, and Lauri Urho	12:05
	Title: Mapping fish reproduction areas along environmental gradients on the SW coast of Finland	

	Discussion	12:20
	Lunch break	12:30
II) 3D models		
G:05	Authors: Christoph Stegert, Andreas Moll, and Wilfried Kühn Title: Simulation of zooplankton prey fields in the German Bight to study sprat growth variability in time and space	13:30
G:19	Authors: Ute Daewe, Myron A. Peck, Michael A. St. John, and Corinna Schrum Title: Comparing habitat suitability for sprat (<i>Sprattus sprattus</i>) and cod (<i>Gadus morhua</i>) in the North Sea: a modelling study	13:45
G:21	Authors: Daniel Stepputtis, Uwe Böttcher, and Thomas Neumann Title: The distribution of Baltic sprat (<i>Sprattus sprattus</i> L.) and its relation to physical features – observations and models	14:00
G:22	Authors: Irina Alekseeva and C. Schrum Title: Physical controls of lower trophic level production	14:15
	Discussion	14:30
	Presentations of posters G30, G31, G32, G28	14:45
	Coffee break	15:00
G:02	Authors: John P. Manderson, J. Pessutti, J. Rosendale, and B. Phelan Title: Estuarine habitat dynamics and telemetered movements of three pelagic fishes: Scale, complexity, behavioral flexibility and the development of an ecophysiological framework	15:30
G:23	Authors: E. J. Martino, E. W. North, and E. D. Houde Title: Biophysical controls and survival of striped bass larvae in the Chesapeake Bay estuarine turbidity maximum	15:45
III) Larval transport, growth and lower trophic levels		
G:01	Authors: Susanne Menden-Deuer and Simon A. Levin Title: Linking water column structure, phytoplankton distributions and planktonic productivity: predator behaviors are a key ingredient	16:00
G:12	Authors: Maiju Salonen, Jonna Engström-Öst, and Lauri Urho Title: Turbidity affects prey selection on pike larvae	16:15
G:13	Authors: Björn Gunnarsson, Thor H. Ásgeirsson, and Einar Hjörleifsson Title: Variation in hatch date distributions, settlement and growth of juvenile plaice (<i>Pleuronectes platessa</i> L.) in Icelandic waters	16:30
G:15	Authors: Lari Veneranta and Lauri Urho Title: The structure of small-sized fish assemblages and reflections from differences in abiotic conditions	16:45
G:07	Authors: M. T. Smith, R. Forster, P. Whelpdale, and E. D. Bell Title: Environmental variables and their influence on growth of the great scallop (<i>Pecten maximus</i>) in the English Channel	17:00
	Presentations of posters G:25, G:29, G:33	17:15

	General discussion	17:30
	Close	18:00
4) Posters		
G:25	Author: Dariusz P. Fey	
	Title: Ecology of early life stages of smelt (<i>Osmerus eperlanus</i> L.) as acquired from otolith microstructure analysis	
G:27	Authors: C. Loots, S. Vaz, P. Koubbi, B. Planque, S. Lelièvre, F. Coppin, and Y. Verin	
	Title: Spawning habitat of North Sea plaice: descriptive and predictive approach	
G:28	Authors: Ann-Britt Florin, Göran Sundblad, and Ulf Bergström	
	Title: Characterisation of juvenile flatfish habitats using generalised additive models	
G:29	Authors: Christian Mohn, Leonie Dransfeld, and Martin White	
	Title: Hindcasting planktonic egg drift patterns of Atlantic mackerel in Irish shelf and oceanic waters	
G:30	Authors: A. V. Remeslo, P. P. Chernyshkov, I. A. Polischuk, and S. N. Burykin	
	Title: Oceanological conditions in the Southwest Atlantic outside the economic zone of Argentine and their influence on Argentine shortfin squid (<i>Illex argentinus</i>) distribution and fishery	
G:31	Authors: J. A. Galarza, Carreras-Carbonell, S. Roques, M. Pascual, E. Macpherson, G. F. Turner, and C. Rico	
	Title: Multi-species analyses unveil the role of oceanographic fronts in modulating gene flow among marine fish populations	
G:32	Authors: Teresa Moura, I. Figueiredo, A. Neves, I. Farias, B. Serra-Pereira, and L. Gordo	
	Title: Is the distribution of Portuguese dogfish related to environmental factors?	
G:33	Authors: Corinna Schrum, Irina Alekseeva, and Ute Daewel	
	Title: Frontal production in the North Sea	

Theme Session H
on
Effects of environmental changes on the biology, physiology,
and behaviour of pelagic fish

Conveners: Andrzej Orłowski (Poland) and John Horne (USA)

Agenda and Order of the Day

Tuesday, 18 September 2007, 15:30–18:00

Europaea Room, Marina Congress Center, Helsinki, Finland

	1) Opening	15:30–15:32
	2) Introduction	15:32–15:40
	3) Presentation of Papers	
<hr/>		
H:01	Authors: Joachim Gröger and Norbert Rohlf	15:40
	Title: Shedding light on recruitment mysteries: internal and external signals in the stock-recruitment relationship of North Sea herring	
<hr/>		
H:02	Author: Andrzej Orłowski	15:55
	Title: Variability of biotic and abiotic factors in clupeoids life cycle in the Baltic	
<hr/>		
H:03	Authors: Sascha M. M. Fässler, Natalia Gorska, and Egil Ona	16:15
	Title: Comparison of the swimbladder between Baltic and Norwegian fjord herring: possible consequences for mean target strength	
<hr/>		
H:04	Authors: Magnus Reeve, Erik Olsen, and Leif Nøttestad	16:30
	Title: Snake pipefish (<i>Entelurus aequoreus</i>) intrusion as a new species into the Barents Sea ecosystem	
<hr/>		
H:06	Author: S. M. Kasatkina	16:45
	Title: Target strength of Baltic herring and sprat in relation to changes of their biological characteristics: effects on acoustic abundance indices estimates	
<hr/>		
H:07	Author: Natalia Gorska	17:00
	Title: On target strength of Baltic herring	
<hr/>		
H:08	Authors: Marek Moszynski and Andrzej Stepnowski	17:15
	Title: The influence of fish morphological and behavioural parameters on acoustic data in algorithmic reconstruction of fish length distribution	
<hr/>		
	4) Discussion and summary	17:30–18:00

Theme Session I
on
Effects of hazardous substances on ecosystem health in coastal and brackish-water ecosystems: present research, monitoring strategies, and future requirements

Conveners: Doris Schiedek (Germany), Kari K. Lehtonen (Finland), and Catherine Couillard (Canada)

Agenda and Orders of the Day

Thursday, 20 September 2007, 16:00–18:00

Friday, 21 September 2007, 08:30–13:00 (Coffee break 9:30–10:00)

Nordia Room, Marina Congress Center, Helsinki, Finland

- | | |
|----------------------------|-------|
| 1) Opening | 16:00 |
| 2) Introduction | |
| 3) Presentation of Papers | |
| 4) General Discussion | |

I:17	Author: Lúcia Guilhermino	Thursday, 16:05–16:30
	Title: The use of biomarkers to assess the effects of environmental contamination in coastal and estuarine ecosystems: what questions remain? An example of the Portuguese NW coast	
I:05	Authors: Janina Baršienė, Aleksandras Rybakovas, and Laura Andreikėnaitė	Thursday, 16:30–16:45
	Title: Environmental genotoxicity studies in marine fish and mussels	
I:16	Authors: Randel Kreitsberg, Irina Zemit, Rene Freiberg, and Arvo Tuvikene	Thursday, 16:45–17:00
	Title: Responses of metabolic pathways to polycyclic aromatic compounds in flounder following oil spill in northwest of Estonian	
I:06	Authors: Aleksandras Rybakovas, Janina Baršienė, and Thomas Lang	Thursday, 17:00–17:15
	Title: Peculiarities of environmental genotoxicity in offshore zones of the Baltic and North Seas	
I:07	Authors: Thomas Kellner and Rolf Schneider	Thursday, 17:15–17:30
	Title: Is p,p'-DDE still affecting Baltic Sea cormorants?	
I:12	Authors: J. G. Rodríguez, M. J. Belzunce, A. Borja, J. Franco, J. M. Garmendia, I. González Herraiz, I. Muxika, O. Solaun, I. Tueros, and V. Valencia	Thursday, 17:30–17:45
	Title: Organotin bioaccumulation and imposex in female <i>Nassarius reticulatus</i> and <i>N. nitidus</i> in port and marina areas of the Basque Country	
I:15	Authors: S. V. Kholodkevich, V. P. Fedotov, A. I. Ivanov, T. V. Kuznetsova, A. S. Kuraskin, and E. L. Kornienko	Friday, 8:30–8:45
	Title: Fiber-optic remote biosensor systems for permanent biological monitoring of the surface waters quality and bottom sediments in the real time	

I:08	Authors: Rolf Schneider and Thomas Leipe	Friday, 8:45–9:00
	Title: Historical and recent contents of PCB and organochlorine pesticides in sediments from Baltic Sea basins	
I:19	Authors: Elmira Boikova, Z. Seisuma, I. Kulikova, Z. Dekere, U. Botva, and N. Petrovics	Friday, 9:00–9:15
	Title: Macrophyte communities quality in the Gulf of Riga, Baltic Sea and heavy metal bioaccumulation in key species (1997–2007)	
I:14	Authors: Kari K. Lehtonen, H�el�ene Budzinski, Raisa Turja, Mirja Leivuori, and Marie H�el�ene Devier	Friday, 9:15–9:30
	Title: Deployment of caged mussels (<i>Mytilus</i> spp.) as a method to study chemical pollution in the Baltic Sea: a case study in the Archipelago Sea (SW Finland)	
	Coffee Break	Friday, 09:30-10:00
I:18	Authors: C. Gravato, L. Guimar�es, and L. Guilhermino	Friday, 10:00–10:15
	Title: Effects of pollutants on estuarine and coastal animals: from genes to populations	
I:11	Authors: J. Concepci�n Mart�nez-G�mez, J. Benedicto, J. A. Campillo, V. Le�n, and B. Fern�andez	Friday, 10:15–10:35
	Title: Biomonitoring strategy of the marine contamination along the Iberian Mediterranean Coast: Present state and future development	
I:09	Authors: Claude Amiard-Triquet <i>et al.</i>	Friday, 10 :35–11 :00
	Title: A comprehensive methodology for the assessment of the health status of estuarine ecosystems	
I:01	Authors: J. A. Hagger, M. B. Jones, T. S. Galloway, R. Owen, D. Lowe, and D. R. Paul Leonard	Friday, 11:00–11:25
	Title: Can biomarkers measure environmental health of estuaries?	
I:03	Authors: M. J. Bebianno, V. Sousa, B. Lopes, L. Barreira, R. Company, and A. Serafim	Friday, 11:25–11:50
	Title: Are biomarkers useful in environmental management?	
I:04	Authors: C. M. Couillard and M. Lebeuf	Friday, 11:50–12:15
	Title: Toxic chemicals and their impacts in the St. Lawrence Estuary and Saguenay Fjord, Quebec, Canada: from a chemical- to an ecosystem-based risk management	
I:13	Authors: Kari K. Lehtonen and Doris Schiedek	Friday, 12:15–12:40
	Title: Assessing ecosystem health in the Baltic Sea: requirements and strategic outline of an integrated biological-chemical monitoring	
	Summary and General Discussion	Friday, 12:40 – 13:00
4) Posters		
I:10	Authors: Sergey Aleksandrov and Natalia Chukalova	
	Title: Impact of Cyanobacteria blooming on the ecosystem health in the Curonian Lagoon of the Baltic Sea	
I:20	Authors: Daniel Wieczorek, A. F. J. Draxler, A. D. Deshpande, Y. Y. Waguespack, R. C. Chambers, and T. H. Cleary	
	Title: Effects of sediment contaminants on winter flounder in estuaries along the east coast of the United States	

I:21	Authors: T. Bagheri and S. A. A. Hedayati
	Title: Examination reciprocal relationship of blood profile in great sturgeon (<i>Huso huso</i>) cultured in brackish water
I:22	Authors: Johanna Ikävalko, Ilkka Herlin, and Eeva Mäkelä
	Title: “Towards a Healthy Baltic Sea” – putting theory into practice
I:24	Authors: Antonio Bode, Nicolás González, and Manuel Varela
	Title: Anthropogenic nitrogen inputs to littoral ecosystems of NW Spain traced by stable isotopes
I:25	Authors: Steven Brooks, Brett Lyons, John Bignell, and John Thain
	Title: An integrated approach to biological effects measurements using the blue mussel, <i>Mytilus edulis</i>
I:26	Authors: Laura Guimarães, Joana Santos, Carlos Gravato, and Lúcia Guilhermino
	Title: Physiological and health condition of yellow eels developing in polluted and reference estuaries from NW Portugal
I:28	Authors: Veronika Hellwig, Antonia Wargel, Annika Behr, and Ursula Siebert
	Title: Isolation of primary liver cell cultures of harbour seals (<i>Phoca vitulina</i>) for identification of novel biomarkers of pollutant influence
I:29	Authors: J. Franco, M. J. Belzunce, A. Borja, J. M. Garmendia, I. Menchaca, I. Muxika, M. Revilla, and I. Tueros
	Title: Integrative assessment of sediment contamination. A case study in a coastal area affected by wastewater discharges in the Basque Country (N. Spain)
I:30	Authors: Pekka J. Vuorinen, Marja Keinänen, Susanna Eerola, Hannu Kiviranta, Mikko Kiljunen, Ulla Perttilä, Rune Waagbø, Kari Ruohonen, and Juha Karjalainen
	Title: Comparison of contaminant contents and some biochemical parameters in salmon (<i>Salmo salar</i> L.) caught in the Baltic Sea and experimentally fed with feed made of Baltic herring or sprat
I:31	Authors: Ewa Mulkiwicz, Dorota Napierska, and Magdalena Podolska
	Title: Suitability of enzymatic biomarker responses in bivalve <i>Macoma balthica</i> from the southern Baltic Sea for environmental monitoring
I:32	Authors: Ewa Mulkiwicz, Dorota Napierska, and Magdalena Podolska
	Title: Integrated use of biomarkers in flounder <i>Platichthys flesus</i> from the Polish coastal area of the Baltic Sea
I:33	Authors: Annika Aalto, Johanna Ikävalko, and Inke Sunila
	Title: Exposure to diesel oil prevents recovery from <i>Prorocentrum minimum</i> induced pathological changes in Baltic blue mussels, <i>Mytilus trossulus</i>

Theme Session J
on
Applications of passive sampling devices in environmental monitoring, assessment, research, and testing

Conveners: Foppe Smedes (The Netherlands) and Ian Davies (UK)

Agenda and Order of the Day

Wednesday, 19 September 2007, 08:30–13:00

Fennia I Room, Marina Congress Center, Helsinki, Finland

1)	Opening	08:30
2)	Introduction	
3)	Presentation of Papers	
J:05	Authors: Kees Booij and Foppe Smedes	08:40
	Title: Passive samplers for hydrophobic contaminants in water: concepts and interpretations	
J:08	Authors: Tatsiana Rusina, Foppe Smedes, and Jana Klanova	09:00
	Title: Calibration of passive sampling devices for hydrophobic organic contaminants	
J:07	Author: Foppe Smedes	09:15
	Title: Methods using passive sampling techniques in sediment for the estimation of pore water concentrations and available concentrations for hydrophobic contaminants	
J:06	Authors: Kristoffer Næs, Anders Ruus, Olav Bøyum, and Merete Grung	09:30
	Title: Particle association and bioavailability of PAHs related to coal tar pitch assessed by passive samplers	
J:01	Authors: K. Yates, I. M. Davies, L. Webster, P. Pollard, L. Lawton, and C. F. Moffat	09:45
	Title: Measurement of the availability of polycyclic aromatic hydrocarbons (PAHs) in marine sediments and pore-waters from Loch Leven, Scotland using silicone rubber passive samplers	
J:12	Authors: Arto Sormunen, A. Tuikka, J. T. Akkanen, M. T. Leppänen, and J. V. K. Kukkonen	10:00
	Title: Polyoxymethylene solid phase extraction as a predictor for bioavailability of model compounds in the sediments from three rivers in Europe	
J:14	Authors: Jarkko Akkanen, Arto Sormunen, Merja Lyytikäinen, Matti Leppänen, Sari Pehkonen, and Jussi V. K. Kukkonen	10:15
	Title: Does Tenax extraction based desorption measure bioavailability of sediment-associated contaminants?	
	Coffee break	10:30
J:16	Author: Oddvar Røyset	11:00
	Title: Experience with DGT samplers in marine samples at NIVA	
J:10	Authors: C. Tixier, F. Léauté, K. Héas-Moisan, P. Le Gall, D. Munaron, C. Munschy and J. Tronczyński	11:15
	Title: Passive sampling devices to assess the diffusive transfer of persistent hydrophobic organic contaminants at the sediment-water interface in the coastal marine environment	

J:13	Authors: K. Yates, I. M. Davies, L. Webster, P. Pollard, L. Lawton, and C. F. Moffat	11:30
	Title: Porewater concentrations of PAHs in dredge spoils from Scotland	
J:09	Authors: Marion Nipper, R. Scott Carr, Jim Biedenbach, John MacFarlane, and Philip Gschwend	11:45
	Title: Passive samplers as sediment surrogates in toxicity tests	
J:11	Authors: Els Monteyne, Michiel Claessens, Patrick Roose, and Collin Janssen	12:00
	Title: The INRAM project	
J:15	Authors: Eric Morgan and Rainer Lohmann	12:15
	Title: Determining the sources of polychlorinated biphenyls to demersal fish in Narragansett Bay, RI, USA	
J:02	Authors: Foppe Smedes, Ian M. Davies, and Jacek Tronczynski	12:30
	Title: ICES Passive sampling trial survey for water and sediment (PSTS) 2006–2007. Part 1: Objectives, design and realization	
J:03	Authors: Foppe Smedes, Ton van der Zande, Celine Tixier, and Ian M. Davies	12:45
	Title: ICES Passive sampling trial survey for water and sediment (PSTS) 2006–2007. Part 2: Laboratory intercomparison, analytical issues and lessons learned	
J:04	Authors: Foppe Smedes, Ton van der Zande, and Ian M. Davies	13:00
	Title: ICES Passive sampling trial survey for water and sediment (PSTS) 2006–2007. Part 3: Preliminary interpretation of field data	

4) Posters

J:17	Authors: K. Yates, I. M. Davies, L. Webster, P. Pollard, L. Lawton, and C. F. Moffat	
	Title: Availability of PAHs in sediments from the Vefsn Fjord, Norway to the rag worm, <i>Nereis virens</i>	
J:18	Authors: Lucía Viñas, Ángeles Franco, Kristoffer Naes, and Foppe Smedes	
	Title: Biofouling in passive samplers	
J:19	Authors: Foppe Smedes and Karin Koning	
	Title: Six years of monitoring PCBs and PAHs by passive sampling in parallel with deployed mussels	
J:20	Authors: R. Scott Carr, Marion Nipper, and Phil Gschwend	
	Title: Use of the Sediment Profile Imaging and Micro-Sampling System (SPIMS) for delineating study areas for <i>in situ</i> bioaccumulation investigations	
J:21	Authors: Tatsiana Rusina and Foppe Smedes	
	Title: Diffusion coefficients in some materials used for passive sampling – consequences for uptake mechanism	

Theme Session K
on
Monkfish across the world: common problems and common solutions

Conveners: Jean-Jacques Maguire (Canada), Pilar Pereda (Spain), Rafael Duarte (Portugal), and Helen Dobby (UK)

Agenda and Order of the Day

Tuesday, 18 September 2007, 10:00–18:00

Fennia II Room, Marina Congress Center, Helsinki, Finland

1)	Opening	10:00
2)	Introduction	
3)	Presentation of Papers	
K:20	Authors: A. Celso Fariña, M. Azevedo, J. Landa, R. Duarte, P. Sampedro, G. Costas, M. A. Torres, and L. Cañas Title: <i>Lophius</i> in the Atlantic: what we know?	10:15–10:30
K:19	Authors: Maria de Fátima Morales Valentim, M. Vianna, and E. P. Caramaschi Title: Aspects of the fishery and biology of <i>Lophius gastrophysus</i> in southeastern Brazil	10:30–10:45
K:18	Authors: Gretchen Bath Martin, Jonathan Grabowski, and Anne Richards Title: Large-scale (from Cape Hatteras, North Carolina to the Gulf of Maine) migratory patterns of monkfish (<i>Lophius americanus</i>) populations in the Northwestern Atlantic	10:45–11:00
K:11	Authors: A. K. Johnson, A. Richards, Daniel Cullen, Belita Nguluwe, and Kathy Lang Title: Biology of large monkfish, <i>Lophius americanus</i>	11:00–11:15
K:10	Authors: Graham D. Sherwood and Jonathan H. Grabowski Title: Diet and habitat shifts in New England (USA) monkfish (<i>Lophius americanus</i>): insights from stable isotopes and implications for fisheries assessments	11:15–11:30
K:07	Authors: Lise H. Ofstad and C. Laurenson Title: Biology of anglerfish <i>Lophius piscatorius</i> in Faroese waters	11:30–11:45
K:02	Authors: Jon Solmundsson, Einar Jonsson, and Hoskuldur Bjornsson Title: Recent changes in the distribution of monkfish (<i>Lophius piscatorius</i>) in Icelandic waters	11:45–12:00
K:03	Author: Einar Jónsson Title: Verification of anglerfish (<i>Lophius piscatorius</i>) age estimation through comparison of length modes of age-read fish (<i>illicia</i>) to length modes of big year-classes appearing in the Icelandic stock	12:00–12:15
	Discussion on biology, age, growth, maturity and distribution	12:15–12:30
	Lunch break	12:30–13:30
K:05	Authors: Chevonne Laurenson, H. Dobby, and A. McLay Title: The <i>Lophius budegassa</i> component of monkfish catches in Scottish waters	13:30–13:45
K:06	Authors: Chevonne Laurenson, H. Dobby and A. McLay Title: Biological aspects of the <i>Lophius piscatorius</i> catch in Scottish waters	13:45–14:00

K:13	Authors: Sten Munch-Petersen and Bo Sølgaard Andersen	14:00–14:15
	Title: The Danish fishery for anglerfish: from by-catch to target fishery	
K:16	Authors: Helen Dobby, Lynda Allan, Melanie Harding, Chevonne Laurenson, and Anne McLay	14:15–14:30
	Title: Improving the quality of information on Scottish anglerfish fisheries – making use of fishers' data	
K:17	Authors: Otte Bjelland and Lars Asplin	14:30–14:45
	Title: Are Norwegian fjords important spawning areas for anglerfish (<i>Lophius piscatorius</i>)?	
	Discussion on monkfish fisheries	14:45–15:00
	Coffee break	15:00–15:30
K:04	Author: Anne Richards	15:30–15:45
	Title: Population biology and assessment of monkfish (<i>Lophius americanus</i>) in USA waters	
K:09	Authors: Phil Haring and J.-J. Maguire	15:45–16:00
	Title: A history of the monkfish fishery and its management in the Northeastern USA	
K:12	Authors: Paul G. Fernandes <i>et al.</i>	16:00–16:15
	Title: Progress in estimating the absolute abundance of anglerfish on the European northern shelf from a trawl survey	
K:15	Authors: Anne Richards and Jean-Jaques Maguire	16:15–16:30
	Title: An investigation of the population dynamics of monkfish (<i>Lophius americanus</i>) in the Northeastern USA	
K:08	Authors: Jonathan H. Grabowski, Melissa D. Smith, and Philip O. Yund	16:30–16:45
	Title: The role of closed areas in rebuilding monkfish populations in the Gulf of Maine	
K:01	Authors: Manuela Azevedo, R. Duarte, F. Cardador, C. Fariña, P. Sampedro, J. Landa, and G. Costas	16:45–17:00
	Title: Management advice for the Iberian anglerfish stocks based on combined estimates from Bayesian and non-Bayesian assessments	
	Conveners: Supplementary information from poster presentations	17:10–17:15
	All: Discussion and synthesis of theme session	17:15–18:00

4) Posters

K:21	Authors: Jorge Landa, R. Duarte, and I. Quincoces
	Title: Growth of white anglerfish <i>Lophius piscatorius</i> tagged in the northeast Atlantic and review of age validation studies
K:22	Authors: Lucía Cañás, M.A. Torres, M.P. Sampedro, A.C. Fariña, P. Abaunza, and J. Landa
	Title: Parasites as biological tags in population studies of white anglerfish (<i>Lophius piscatorius</i>) from European western waters
K:23	Authors: Jorge Landa, M. Ámez, and P. Pereda
	Title: Anomalies in anglerfish (<i>Lophius piscatorius</i> and <i>L. budegassa</i>): orange and albino-blind specimens from the Bay of Biscay

K:24	Authors: Daniel Cullen, A.K. Johnson, Kathy Lang, and Anne Richards
	Title: Comparing age and growth estimates for large monkfish (<i>Lophius americanus</i> V.) using <i>illicium</i> and vertebral ageing methods
K:25	Authors: Jorge Landa, R. Duarte, P. Sampedro, M. Azevedo, C. Fariña, and G. Costas
	Title: Age-length-keys and catch-at-age of white anglerfish (<i>Lophius piscatorius</i>) in Atlantic Iberian waters from 1996 to 2006
K:26	Authors: Francisco Velasco, J. Landa, and J. Barrado
	Title: Abundance and distribution of anglerfish (<i>Lophius piscatorius</i> and <i>L. budegassa</i>) on the Porcupine Bank
K:27	Authors: Gersom Costas, Celso Fariña, Paz Sampedro, Jorge Landa, Roberto Morlán, Manuela Azevedo, Rafael Duarte, and Fátima Cardador
	Title: Standardisation of catch per unit effort for anglerfish caught by Iberian artisanal gillnet fleet in ICES Division VIIIc
K:28	Authors: P. Díaz, J. Santos, I. González Herraiz, A. Punzón, F. Velasco J. Ruiz, and N. Pérez
	Title: Preliminary estimates and causes of anglerfish discard in the Spanish Trawl fishery in the Northeast Atlantic
K:29	Authors: J. Santos, P. Díaz, A. Punzón, A. Serrano, and N. Pérez
	Title: Preliminary estimates and patterns of anglerfish discard in the Spanish bottom trawl coastal area fishery
K:30	Authors: P. Díaz, I. González Herraiz, N. Pérez, J. Santos, and J. Ruiz
	Title: Distribution of juveniles of anglerfish caught by Spanish trawl fishery in Northeast Atlantic areas
K:31	Authors: R. Duarte, J. Landa, M. Azevedo, P. Sampedro, C. Fariña, and G. Costas
	Title: Age-length-keys and catch-at-age of black anglerfish (<i>Lophius budegassa</i>) in Atlantic Iberian waters from 1996 to 2006
K:32	Authors: Bernice Bediako, A.K. Johnson, and Ed Wirth
	Title: Determination of metal concentrations in monkfish, <i>Lophius americanus</i>
K:33	Authors: Esther Abad, A. Punzón, J. Castro, and J. Landa
	Title: Geographical distribution and seasonality of <i>métiers</i> targeting monkfish in Northern Spain
K:34	Authors: P. Frias and R. Duarte
	Title: Changes of the growth ring number along the <i>illicia</i> and possible impacts on age reading criteria

Theme Session L
on
Stock identification – applications for aquaculture and
fisheries management

Conveners: Terje Svåsand (Norway) and Steve Cadrin (USA)

Agenda and Order of the Day

Friday, 21 September 2007, 08:30–13:00

Fennia II Room, Marina Congress Center, Helsinki, Finland

	1) Opening	08:30
	2) Introduction	08:30–08:35
	3) Presentation of Papers	08:35–09:35
		10:00–13:00
<hr/>		
L:06	Authors: Terje Svåsand <i>et al.</i>	08:35
	Title: Evaluation of genetic impact of aquaculture activities on native populations	
<hr/>		
L:08	Authors: Gonzalo Machado-Schiaffino, Jose Luis Horreo-Escalton, Andrew Griffiths, Dylan Bright, Jamie Stevens, and Eva Garcia-Vazquez	08:50
	Title: Examining the loss of genetic variation in Atlantic salmon stocks created for supportive breeding	
<hr/>		
L:17	Authors: Peder Fiske, Nils Arne Hvidsten, and Syverin Lierhagen	09:05
	Title: Identification of Atlantic salmon (<i>Salmo salar</i>) parr from different rivers in the Trondheimsfjord area by geochemical signatures of otoliths	
<hr/>		
L:07	Authors: Andrew Griffiths, Gonzalo Machado-Schiaffino, Eileen Dillane, Dylan Bright, Tom Cross, Eva Garcia-Vazquez, and Jamie Stevens	09:20
	Title: The Atlantic Salmon Arc Project (ASAP): A genetically-based tool for stock identification and management of Atlantic salmon (<i>Salmo salar</i>) in western Europe	
<hr/>		
	Coffee break	09:35
<hr/>		
L:01	Authors: Steven X. Cadrin, Brian J. Rothschild, and Isaac Wirgin	10:00
	Title: To Lump, or to Split? ... maybe the wrong question for stock identification of fishery resources	
<hr/>		
L:14	Authors: Einar Eg Nielsen, Jakob Hemmer Hansen, Thomas Moen, and Dorte Meldrup	10:15
	Title: Application of SNPs (Single Nucleotide Polymorphisms) for genetic stock identification in Atlantic cod (<i>Gadus morhua</i> L.)	
<hr/>		
L:04	Author: Shelly M. L. Tallack	10:30
	Title: Tagging data and its role in stock identification	
<hr/>		
L:10	Authors: Christoph Stransky, Hannes Baumann, Svein-Erik Fevolden, Alf Harbitz, Hans Høie, Kjell H. Nedreaas, Arnt-Børre Salberg, and Tuula H. Skarstein	10:45
	Title: Separation of Norwegian coastal cod and Northeast Arctic cod by otolith morphometry	
<hr/>		
L:12	Authors: Emma M. C. Hatfield, Henrik Mosegaard, Soenke Jansen, Jürgen Schlickeisen, and Christopher Zimmermann.	11:00
	Title: Using otolith and body shape analysis to distinguish herring stocks to the west of the British Isles	
<hr/>		

L:11	Authors: Emma M.C. Hatfield <i>et al.</i>	11:15
	Title: The scientific implications of the EU Project WESTHER (Q5RS - 2002 – 01056) to the assessment and management of the herring stocks to the west of the British Isles	
L:09	Author: Maciej T. Tomczak	11:30
	Title: An evaluation of stock management practices for the central Baltic herring (<i>Clupea harrengus membras</i>)	
L:15	Authors: Katja Peijnenburg, Alice Antoniacomi, David Weetman, and Stefano Mariani	11:45
	Title: Spatial stock structure of common whelk (<i>Buccinum undatum</i>) in Irish waters inferred through a multidisciplinary approach	
L:13	Authors: O. A. Shukhgalter and G. N. Rodjuk	12:00
	Title: The use of parasitological data in population studies of the commercial pelagic fishes from the Central-East Atlantic	
L:05	Authors: Ilaria Coscia, Katja Peijnenburg, Mike Pawson, and Stefano Mariani	12:15
	Title: Genetic stock structure of Atlantic sea bass (<i>Dicentrarchus labrax</i>) and Gilt-head sea bream (<i>Sparus aurata</i>) around the British Isles	
L:02	Authors: Sergey Melnikov, V. N. Shibanov, A. N. Stroganov, and G. G. Novikov	12:30
	Title: Results of biological and genetic studies of <i>S. mentella</i> in the open areas of the North East Atlantic	
L:03	Author: Sergey Melnikov	12:45
	Title: The use of information on parameters of the life cycle in the management of <i>S. mentella</i> fisheries in the Irminger Sea	
4) Posters		
L:18	Authors: Greg DeCelles and Steve Cadrin	
	Title: An interdisciplinary assessment of winter flounder stock structure	
L:19	Authors: Gennadi Dvoryankin and Vadim Timofeev	
	Title: Fish stocks of large lake systems of northern Russia and their rational use (Case Vashutkini lakes)	
L:20	Authors: Gennadii Dvoryankin and Sergei Kulida	
	Title: Fish stock management for especially protected natural territories (case Kenozerskiy national park)	
L:21	Authors: M. Berube, H. Skaug, L. Andersen, T. Haug, and N. Øien	
	Title: Population genetic studies in Northeastern Atlantic minke whales	
L:22	Authors: Barbara Deutsch, Katrin Paul, Ulrich Berth, Martina Bleil, and Rainer Oeberst	
	Title: Differentiation of western (<i>Gadus morhua</i> L.) and eastern (<i>Gadus morhua callarias</i>) Baltic Sea cod stock by means of stable isotope ratios in otoliths	
L:23	Authors: Vera Sequeira, Ana Neves, Ivone Figueiredo, and Leonel S. Gordo	
	Title: Age and growth of bluemouth, <i>Helicolenus dactylopterus</i> (Delaroche, 1809), in the Portuguese continental coast: a contribute to the stock identification	
L:24	Authors: Daria A. Zelenina, A. A. Volkov, N. S. Mугue, and V. I. Sokolov	
	Title: Comparative study of introduced populations of red king crab (<i>Paralithodes camtschaticus</i>) in the Barents Sea and two native populations in the Pacific	

L:25 **Authors:** Anne Kirstine Frie, Madjid Delghandi, and Torild Johansen

Title: Population genetic structure of grey seals: Diversity, differentiation and prospects for genetic population assignment with special reference to Norwegian waters

L:26 **Authors:** Bárbara Serra-Pereira, I. Figueiredo, I. Farias, A. Neves, T. Moura, and L. S. Gordo

Title: First approach to the fishing effort estimation of the rays and skates in Portuguese mixed-fishery

Theme Session M
on
Increasing energy costs and impact on fishers' activities and economics – another challenge for fishers and managers

Conveners: Dominic Rihan (Ireland) and Bjarti Thomsen (Faroe Islands)

Agenda and Order of the Day

Monday, 17 September 2007, 15:30–18:00

Fennia I Room, Marina Congress Center, Helsinki, Finland

1)	Opening and Introduction	15:30–15:35
2)	Presentation of Papers	15:35–17:50
3)	Summary and Conclusions	17:50–18:00
M:03	Author: Hirotosugu Uchida	15:35
	Title: Efficient spatial allocation of fishing effort and partnership arrangement: A managerial solution to overcome rising fuel cost and other hardships for small-scale fisheries	
M:04	Authors: Hendrik Stouten, K. Van Craeynest, A. Heene, X. Gellynck, J. Depestele, E. Vanderperren, B. Verschueren, and H. Polet	15:50
	Title: An evaluation and comparison of different fuel price scenarios on Belgian fishing fleet dynamics	
M:08	Authors: K. Graham, H. Curtis, and T. Rossiter	16:05
	Title: Options for improving fuel efficiency in the UK fishing fleet	
M:09	Authors: Pascal Le Floc'h, Jean Boncoeur, Fabienne Daurès, and Olivier Thébaud	16:20
	Title: Analyzing fishermen's behaviour when facing increasing energy costs – A French case study	
M:02	Authors: Paul Macdonald, C. Laurenson, and S. Marrs	16:35
	Title: The potential of jig fishing as an energy efficient method for catching whitefish around Shetland	
M:06	Authors: Hans Polet, Els Vanderperren, Jochen Depestele, K. Van Craeynest, Hendrik Stouten, and Bart Verschueren	16:50
	Title: Is there a way out for the beam trawler fleet with rising fuel prices?	
M:01	Author: Tom Rossiter	17:05
	Title: Biofuels for the fishing industry	
M:07	Author: Nils Harald Bjørshol	17:20
	Title: Design concept for low energy fishing vessel	
	Summary and conclusions	17:35
Poster		
M:10	Authors: C. J. Smith, K.-N. Papadopoulou, A. Kapantagakis, and G. Petrakis	
	Title: Alternative fisheries for <i>Nephrops</i> in Greece: less damaging and more fuel efficient?	

Theme Session O
on
Flying outside the ICES Assessment WG paradigm –
Alternative approaches to providing fisheries management
advice

Conveners: Julian Addison (UK), João Pereira (Portugal), and Verena Trenkel (France)

Agenda and Orders of the Day

Thursday, 20 September 2007, 10:00–18:00

Friday, 21 September 2007, 08:30–13:00

Fennia I Room, Marina Congress Center, Helsinki, Finland

- | | |
|----------------------------|-------|
| 1) Opening | 10:00 |
| 2) Introduction | |
| 3) Presentation of Papers | |

Session 1: Alternative assessment methods and models

O:03	Author: Verena M. Trenkel <hr/> Title: A biomass random effects model (BREM) for stock assessment using only survey data: application to Bay of Biscay anchovy	10:15
O:36	Authors: Coby L. Needle and Richard Hillary <hr/> Title: Estimating uncertainty in nonlinear models: applications to survey-based assessments	10:30
O:04	Authors: J. Cotter, R. Fryer, B. Mesnil, C. Needle, D. Skagen, M-T. Spedicato, and V. Trenkel <hr/> Title: A review of fishery-independent assessment models, and initial evaluation based on simulated data	10:45
O:27	Authors: J. Cotter and P. Petitgas <hr/> Title: FISBOAT manual of indicators and methods for assessing fish stocks using only fishery independent survey data	11:00
O:07	Authors: Mathieu Woillez, Jacques Rivoirard, and Pierre Petitgas <hr/> Title: Selecting and combining survey-based indices of fish stocks using their correlation in time to make diagnostics of their status	11:15
O:10	Authors: Maria Teresa Spedicato, M. Woillez, J. Rivoirard, P. Petitgas, P. Carbonara, and G. Lembo <hr/> Title: Usefulness of the spatial indices to define the distribution pattern of key life stages: an application to the red mullet (<i>Mullus barbatus</i>) population in the south Tyrrhenian sea	11:30
O:16	Authors: Pierre Petitgas, J.-C. Poulard, K. Radtke, M.-T. Spedicato, L. Ibaibarriaga, C.-Y. Politou, K. Korsbrekke, C. Deernberg, and P. Fernandes <hr/> Title: Comprehensive indicator-based diagnostics of fish stocks using fishery-independent survey data: the FISBOAT report	11:45
O:12	Author: Andrei Makarchouk <hr/> Title: The assessment of the spawning-stock biomass of sprat in the Gotland Basin (Eastern Baltic Sea) with the Hensen–Apstein method with some innovations	12:00

O:15	Authors: Samu Mäntyniemi, Richard Hillary, Sakari Kuikka, and Henrik Sparholt	12:15
	Title: Evaluation of standard ICES stock assessment and Bayesian stock assessment in the light of uncertainty: North Sea herring as an example	
	Lunch break	12:30
O:24	Authors: Pierre Failler, Haoran Pan, and Christos Floros	13:30
	Title: A regional computable general equilibrium model for fisheries: results of the EU PECHDEV project	
O:25	Authors: Pierre Failler <i>et al.</i>	13:45
	Title: Probabilistic assessment, management and advice model for fishery management in the case of poor data availability: the EU POORFISH project	
O:26	Authors: Hilaire Drouineau, Stéphanie Mahévas, and Michel Bertignac	14 :00
	Title: A length-structured and spatialised assessment model for the Northern stock of European hake (<i>Merluccius merluccius</i>)	
O:29	Authors: Martial Laurans and Mike Smith	14:15
	Title: Application of a biomass dynamics model on edible crab stock of the western Channel and fitted using Bayesian estimation	
O:31	Authors: Catherine Michielsens, Atso Romakkaniemi, Samu Mäntyniemi, and Sakari Kuikka	14:30
	Title: Using expert opinions and prior knowledge within fisheries stocks assessments: the Baltic salmon case study	
O:32	Authors: Nick Bailey, N. Campbell, H. Dobby, and A. Weetman	14:45
	Title: Underwater television surveys of <i>Nephrops</i> around Scotland – population trends since 1992	
O:35	Authors: N. Holmgren, S. Kuikka, H. Granath, A. Jonsson, and T. Jonsson, and E. Sermland	15:00
	Title: Bayesian quota – a resilient policy for fisheries management?	
	Coffee break	15:15
	Session 2: Fishers involvement and alternative data sources	
	Introduction	16:00
O:02	Authors: Ditte Degnbol and Douglas Clyde Wilson	16:05
	Title: Science, power and marine spatial planning in the North Sea	
O:05	Authors: Magali Prigent, Guy Fontenelle, Marie-Joëlle Rochet, and Verena M. Trenkel	16:20
	Title: Combining fishers' perceptions and scientific descriptions of recent trends in the Eastern Channel ecosystem and fisheries	
O:06	Authors: J. M. Smith, G. J. Pierce, and I. Theodossiou	16:35
	Title: The importance of fishers' knowledge as a management tool: a case study of the 2006 decline of the Moray Firth <i>Loligo</i> fishery in North East Scotland and the implications for future management strategies	
O:17	Authors: Dorothy Jane Dankel, Ulf Dieckmann, and Mikko Heino	16:50
	Title: Success in fishery management using harvest control rules derived from reconciling stakeholder objectives	

O:20	Authors: Maurice Clarke <i>et al.</i>	17:05
	Title: A new scientific initiative with the Pelagic RAC to develop a management plan for western horse mackerel	
	Discussion on session 1 and 2 posters	17:20
Friday, 21 September 2007, 08:30–13:00		
Fennia I Room		
Session 3: Management issues		
	Introduction	08:30
O:01	Author: Sven Kupschus	08:40
	Title: Bass – what does the assessment tell us, what it doesn't tell us, and what we can learn about management	
O:08	Authors: Ewen Bell, Mike Bell, Mike Smith, and Julian Addison	08:55
	Title: SpatMan: A spatial management modelling tool for shellfish stocks	
O:09	Authors: Maurice Clarke and Afra Egan	09:10
	Title: Rebuilding Celtic Sea herring and the development of a long-term management plan	
	Coffee break	09:30
O:11	Authors: James Scandol and Kevin Rowling	10:00
	Title: Resource assessments for multi-species fisheries in NSW, Australia: qualitative status determination using life history characteristics, empirical indicators and expert review	
O:14	Authors: K-M. Järvenpää, L. Uusitalo, V-P. Antti-Poika, S. Mäntyniemi, K. Brahim, and S. Kuikka	10:15
	Title: Bioeconomic analysis of Mauritanian cephalopods fishery	
O:22	Authors: Dankert W. Skagen and Dorothy J. Dankel	10:30
	Title: Management with sparse data	
O:23	Authors: Helen Dobby, N. Bailey, and N. Campbell	10:45
	Title: The use of underwater TV surveys in the provision of advice for <i>Nephrops</i> stocks around Scotland	
O:18	Authors: Hans Bogaards, Lisa Borges, Marcel Machiels, Sarah Kraak, and Adriaan Rijnsdorp	11:00
	Title: Fisheries-independent estimates of trends in North Sea plaice (<i>Pleuronectes platessa</i>) abundance: a Bayesian analysis of research vessel survey data	
O:28	Authors: B. E. Eustace and C. J. Kelly	11:15
	Title: Technical measures can be shown by experiment to reduce capture of unwanted fish, but can we see the effect on the stock in a stochastic world?	
O:30	Author: Ignacio Payá	11:30
	Title: Spatial management procedures for early closure of the <i>Loligo gahi</i> fishery off Falkland Islands based on a precautionary analysis using bootstrapping and Bayesian techniques	
O:33	Authors: A.D. Rijnsdorp, N. Daan, W. Dekker, and J. J. Poos	11:45
	Title: Solving the credibility crisis in mixed fisheries management	
	General Discussion/Conclusions	12:00

4) Posters

O:19	Authors: V-P. Antti-Poika, S. Mäntyniemi, and S. Kuikka
	Title: Bayesian mark-recapture model for migrating fish populations: Ascent of Atlantic salmon (<i>Salmo salar</i> L.) in River Kymijoki and the effects of river discharge and recreational fishing
O:39	Authors: Georg H. Engelhard, Julia L. Blanchard, David A. Righton, Steven Mackinson, John K. Pinnegar, Jeroen van der Kooij, and Ewen D. Bell
	Title: Industrial fishing, sandeels, and predatory fish condition
O:40	Authors: A. Jordaan and David O. Conover
	Title: Selection against large size: declines in mean weight within and among species in the Gulf of Maine/Georges Bank region over the past 40 years
O:42	Authors: Hans Skaug and David Fournier
	Title: Random effects modeling in fisheries science using AD Model Builder
O:43	Authors: N. Prista, J. L. Costa, M. J. Costa, and C. M. Jones
	Title: New methodology for studying large valuable fish in data poor situations: Commercial mark-recapture of meagre <i>Argyrosomus regius</i> in the southern Portuguese coast
O:44	Authors: Elvire Antajan, Antonin Shmitz, Stéphanie Lelièvre, Marc Picheral, Stéphane Gasparini, Gabriel Gorsky, and Sandrine Vaz
	Title: Applying ZooScan imaging system for automated counting and identification of pelagic fish eggs from a continuous underway sampling in the North Sea
O:45	Authors: Alice Mackay, Simon Northridge, Al Kingston, and Sinead Murphy
	Title: The use of bycatch monitoring schemes in augmenting assessment data
O:46	Author: Martial Laurans
	Title: Development of an ovigerous lobster (<i>Hommarus gammarus</i>) curve model from data collected by a fisherman. Analysis of an annual variation and seasonal evolution of the curve
O:47	Authors: A. Deuguines, A. Bouali, and J-P. Robin
	Title: Can length structure of English Channel cephalopod landings reveal trends in exploitation?
O:48	Authors: Marina Santurtún, J. Castro, A. Hoff, C. Kvamme, R. Kynoch, P. Marchal, C. Maravelias, J. J. Poos, S. Reeves, C. Ulrich-Rescan, and D. C. Wilson
	Title: AFRAME – A framework for fleet and area-based fisheries management

Theme Session P
on
External independent peer reviewing – achievements and failures

Conveners: Pierre Pepin (Canada), Martin Pastoors (ICES), and Paul Keizer (Canada)

Agenda and Order of the Day

Friday, 21 September 2007, 10:00–13:00

Europa Room, Marina Congress Center, Helsinki, Finland

	1) Opening	10:00
	2) Introduction	
	3) Presentation of Papers	
<hr/>		
P:01	Author: Paul J. B. Hart	10:10
	Title: Is a rigorous and fair referee’s evaluation of a paper or a grant application ever achievable?	
<hr/>		
P:07	Author: Howard I. Browman	10:25
	Title: The peer review process: perspectives and insights from a journal editor	
<hr/>		
P:06	Author: Andrew I. L. Payne	10:40
	Title: The “lottery” of “independent” peer review: experiences and perspectives	
<hr/>		
P:05	Author: Antonio Bode	10:55
	Title: Peer review and competitive selection of marine RTD proposals for public funding in Spain: views from management and user sides	
<hr/>		
P:02	Author: Jake Rice	11:10
	Title: The DFO experience with inclusive advisory processes	
<hr/>		
P:08	Authors: Stephen K. Brown, Manoj Shivlani, David J. Die, and David Sampson	11:25
	Title: The Center for Independent Experts – the U.S. National Marine Fisheries Service’s National Peer-Review Program	
<hr/>		
P:03	Authors: David J. Die, M. Shivlani, S. K. Brown, and D. Sampson	11:40
	Title: An analysis of the reviews and reviewer profiles of the Center of Independent Experts	
<hr/>		
P:04	Authors: Mark Dickey-Collas and Frans van Beek	11:55
	Title: Reviewing and producing the ICES Fisheries Advice: the power of a few?	
<hr/>		
P:09	Authors: M. A. Pastoors, A. D. Hawkins, and J. J. Maguire	12:10
	Title: Public reviews of fisheries science by the North Sea Commission Fisheries Partnership: towards shared understandings and participatory science	
<hr/>		
	4) Poster	
<hr/>		
P:10	Authors: Christopher Zimmermann, Mark Dickey-Collas, Richard D. M. Nash, and Cornelius Hammer	
	Title: External peer review of survey series: Lessons learned from the Rügen Herring Larvae Survey	
<hr/>		

Theme Session Q
on
Science underpinning stock abundance survey practice,
including unaccounted fishing mortality, especially ghost
fishing

Conveners: Dave Reid (UK) and Ken Weinberg (USA) (for the surveys)
 Phil MacMullen, (UK), and Norman Graham (Ireland) (for the ghost fishing)

Agenda and Orders of the Day

Monday, 17 September 2007, 15:30–18:00

Wednesday, 19 September 2007, 08:30–13:00

Fennia II Room, Marina Congress Center, Helsinki, Finland

- 1) Opening
- 2) Introduction
- 3) Presentation of Papers

Survey trawl performance		
Q:10	Authors: Kenneth L. Weinberg and Stan Kotwicki Title: Factors influencing net width and footrope bottom tending performance of a survey trawl	15:35
Q:08	Authors: Michael H. Martin and Stan Kotwicki Title: The effects of improving accuracy and precision of area swept estimates on relative biomass estimation and stock assessment: a retrospective	15:50
Q:17	Authors: D. Stokes, J. Hjelm, and B. Vincent Title: Describing survey effort in terms of new and existing gear parameters	16:05
Q:22	Authors: D.G. Reid, R.J. Kynoch, I. Penny, and K. Peach Title: Estimation of catch efficiency in a new angler fish survey trawl	16:20
Q:03	Authors: David Somerton, Daniel Nichol, and Paul von Szalay Title: Influence of current velocity on the near-bottom vertical distribution of fish and their availability to a bottom trawl	16:35
Q:02	Authors: Brian Harley and J. R. Ellis Title: The Modified GOV and Ground gear 'D'	16:50
Q:20	Authors: R.W. Brown, M. Fogarty, P. Rago, V. Nordahl, C. Legault, P. Politis, and T. Miller Title: Survey transition and calibration of bottom trawl surveys along the Northeastern Continental Shelf of the United States	17:05
Q:11	Author: Chris Rooper Title: An analysis of rockfish (<i>Sebastes</i> spp.) distributions in trawl surveys in Alaska with application to fishery-independent survey design and station allocation	17:20
Q:12	Authors: Haraldur Arnar Einarsson, Einar Hreinsson, and Sigurður Þór Jónsson Title: Direct observations of large-mesh capelin trawls; evaluation of mesh escapement and catchability	17:35
Sum up survey trawls		17:50

Wednesday, 19 September 2007, 08:30–13:00
Fennia II Room, Marina Congress Center, Helsinki, Finland

Other survey methodology		
Q:16	Authors: Mikko Heino and Sondre Aanes	08:30
	Title: Local spatial heterogeneity in blue whiting length structure	
Q:07	Authors: Ewen Bell, Jon Elson, and Julian Addison	08:45
	Title: Sources of variation in <i>Nephtrops</i> burrow counting schemes	
Q:06	Authors: Enzo Acuña, R. Alarcón, L. Cid, L. Cubillos, and R. León	09:00
	Title: Chilean crustacean assessment surveys: a review	
Q:04	Authors: O. A. Bulatov, V. M. Borisov, B. N. Kotenev, and G. S. Moiseenko	09:15
	Title: The use of GIS-technology for estimation of the Northeast Arctic cod stock	
Q:05	Authors: Rick A. Hart and James M. Nance	09:30
	Title: The integration of environmental parameters into shrimp stock assessments, Gulf of Mexico, USA	
Q:18	Authors: Troy W. Buckley and Stan Kotwicki	09:45
	Title: Spreading the effort to focus the analysis: otolith collection in the eastern Bering Sea	
	Poster presentations Q:23, Q:24, Q:25, and Q:26	10:00
Coffee break		
		10:30
Q:19	Authors: Daniel Stepputtis, Eberhard Götze, Uwe Böttcher, and Jörg Voskamp	11:00
	Title: Facing the past – recovering of historic echo data	
	Sum up for other surveys	11:15
	Ghost fishing	
Q:01	Authors: D.J. Rihan, M. Mulligan, D. McDonald, and N. Roar-Hareide	11:30
	Title: The Continuing Story of the DEEPNET Project	
Q:15	Authors: A. Kingston, S. Northridge, and A. Mackay	11:45
	Title: An assessment of net losses in UK gill and tangle net fisheries	
Q:09	Authors: Thomas P. Good, Jeffrey A. June, and Ginny Broadhurst	12:00
	Title: Quantifying the impact of derelict fishing gear on the marine fauna of the Puget Sound and Northwest Straits	
Q:21	Authors: H. Ward Slacum Jr., Steve Giordano, Doug Levin, Jon Volstad, Jay Lazar, Colin Little, and David Bruce	12:15
	Title: Quantifying the effects of derelict crab traps in Chesapeake Bay	
	Sum up ghost fishing	12:30
	Discussion etc	12:45

4) Posters

-
- Q:23 **Authors:** Freya Goodsir, Clive Fox, Mike Armstrong, Steve Milligan, Mike Shaw, Michael Godard, and Veronique Creach
-
- Title:** Can formaldehyde fixed gadoid eggs be identified using genetic probes?
-
- Q:24 **Authors:** Freya Goodsir, Clive Fox, Mike Armstrong, David Stone, Pieter-Jan Schön, Natasha Taylor, Martin Taylor, and Michael Godard
-
- Title:** Using genetic probes to identify gadoid eggs in surveys to monitor the Irish Sea cod stock under the EU recovery program
-
- Q:25 **Authors:** Mike Armstrong *et al.*
-
- Title:** Developing an egg-survey approach to monitoring the biomass of cod and other demersal fish species in the Irish Sea
-
- Q:26 **Authors:** Filipa Baeta, Maria José Costa, and Henrique Cabral
-
- Title:** Trammel net ghost fishing in Portuguese central coast
-

Theme Session R
on
The ecosystem approach: what's the impact on marine science, science-based advice, and management of marine ecosystems

Conveners: Dave Reid (UK), Mark Tasker (UK), Martin Pastoors (ICES), Einar Svendsen (Norway), and Glen S. Jamieson (PICES)

Agenda and Orders of the Day

Thursday, 20 September 2007, 13:30–18:00

Friday, 21 September 2007, 08:30–09:30

Europa Room, Marina Congress Center, Helsinki, Finland

- | | |
|----------------------------|-------|
| 1) Opening | 13:30 |
| 2) Introduction | |
| 3) Presentation of Papers | |

R:15	Author: Jake Rice (on behalf of the GRAME Group of experts)	13.40–13.55
	Title: The Global Reporting and Assessment of the Marine Environment	
R:08	Author: Kjellrun Hiis Hauge	13.55–14.10
	Title: The ecosystem approach to fisheries – science driven or issue driven?	
R:05	Authors: Marie-Joëlle Rochet and Verena M. Trenkel	14.10–14.25
	Title: How could indicators be used in an ecosystem approach to fisheries management?	
R:02	Authors: Stuart Reeves and Clara Ulrich	14.25–14.40
	Title: Bridging the Gap: fleets, fisheries and the ecosystem approach	
R:12	Author: Michael Wilberg	14.40–14.55
	Title: Exploring rules of thumb for ecosystem based fisheries management reference points	
R:17	Authors: Simon Northridge and Len Thomas	14.55–15.10
	Title: A rationale for matching monitoring requirements with obligations to assess ecosystem effects	
R:06	Author: Peter Koeller	15.10–15.25
	Title: Ecosystem-based psychology, or, how I learned to stop worrying and love the data	
	Coffee break	15.25–16.00
R:04	Authors: Andreas Dänhardt and Peter H. Becker	16.00–16.15
	Title: Linking large- and small-scale fish surveys with the feeding ecology of seabirds	
R:09	Authors: Carmen Hernández, A. Punzón, and Pilar Pereda	16.15–16.30
	Title: Effects of the ecosystem approach on the analysis of fishing activity: Samplings, statistics and procedures	
R:07	Authors: A. Carpentier <i>et al.</i>	16.30–16.45
	Title: Eastern Channel Habitat Atlas for Marine Resource Management (CHARM) – From a descriptive approach (phase I) to a process-oriented approach (phase II)	

R:14	Authors: Olav Rune Godø, Kjellrun Hiis Hauge, Svein Iversen, Olav Sigurd Kjesbu, and Einar Svendsen	16.45–17.00
	Title: Interaction and integration of observation and models – the EcoFish approach	
R:10	Authors: Tim S. Gray and Jenny Hatchard	17.00–17.15
	Title: Bed-fellows or fellow-travellers? – The relationship between ecosystem-based management and stakeholder participation in marine fisheries	
R:16	Authors: Jake Rice, Camille Mageau, Liisa Peramaki, and Kim Houston	17.15–17.30
	Title: The Canadian national approach to implementing an ecosystem approach to integrated management	
R:03	Authors: Glen S. Jamieson, Cathryn Clarke, and Barbara Lucas	17.30–17.45
	Title: Integrated management in British Columbia, Canada: challenges in identifying conservation objectives	
R:01	Authors: P. Durán Muñoz, M. Sayago-Gil, T. Patrocinio, A. Serrano, F.J. Murillo, S. Parra, L. M. Fernández Salas, M. Sacau, V. Díaz del Río, and X. Paz	17.45–18.00
	Title: ECOVUL/ARPA Interdisciplinary Project: Looking for a model to study the interaction between deep-water bottom fisheries and their supporting oceanic ecosystems	

Friday, 21 September 2007
Europa Room

R:19	Authors: Laurence T. Kell, Finlay Scott, and J. M. Fromentin	08.30–08.45
	Title: From stock- to ecosystem-based advice: are reference points a moving target?	
R:11	Authors: Brian R. MacKenzie, Jan Horbowy, and Fritz W. Köster	08.45–09.00
	Title: Incorporating environmental variability in stock assessment – predicting recruitment, spawner biomass and landings of sprat, <i>Sprattus sprattus</i> , in the Baltic Sea	
R:18	Authors: Ole Arve Misund, Ole Jørgen Lønne, Erlend Moksness, and Ole Torrissen	09.00–09.15
	Title: Taking the consequences of international conventions, national policy and our own arguments: developing the way of working at the Institute of Marine Research, Norway, to deliver according to the ecosystem approach	
R:13	Authors: E. W. North, D. M. King, J. Xu, R. R. Hood, R. I. E. Newell, K. T. Paynter, M. L. Kellogg, M. K. Liddel, and D. F. Boesch	09.15–09.30
	Title: An ecosystem approach for oyster restoration and management	

4) Poster

R:20	Authors: M. Sayago-Gil, <i>et al.</i>	
	Title: ECOVUL/ARPA Interdisciplinary Project: Sea-bed Mounds on Hatton Bank situated within Deep-Water Bottom Fisheries zones (NE Atlantic Ocean)	