

List of ICES CM 2008 document codes

Advisory Committee (ACOM)

ACOM:01	Arctic Fisheries Working Group [AFWG]
ACOM:02	Herring Assessment Working Group for the Area South of 62°N [HAWG]
ACOM:03	North-Western Working Group [NWWG]
ACOM:04	Working Group on Anchovy [WGANC]
ACOM:05	Baltic Salmon and Trout Assessment Working Group [WGBAST]
ACOM:06	Baltic Fisheries Assessment Working Group [WGBFAS]
ACOM:07	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrin [WGHMM]
ACOM:08	Working Group on the Assessment of Northern Shelf Demersal Stocks [WGNSDS]
ACOM:09	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak [WGNSSK]
ACOM:10	No report
ACOM:11	Joint NAFO/ICES Pandalus Assessment Working Group [NIPAG]
ACOM:12	Working Group on the Assessment of Southern Shelf Demersal Stocks [WGSSDS]
ACOM:13	Working Group on Widely Distributed Stocks [WGWIDE]
ACOM:14	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources [WGDEEP]
ACOM:15	Joint EIFAC/ICES Working Group on Eels [WGEEL]
ACOM:16 Ref. LRC	Working Group Elasmobranch Fishes [WGEF]
ACOM:17 Ref. LRC, RMC	Joint ICES/NAFO Working Group on Harp and Hooded Seals (WGHARP)
ACOM:18 Ref. DFC	Working Group on North Atlantic Salmon [WGNAS]
ACOM:19 to ACOM:21 Ref. LRC, RMC, PGCCDBS	Workshop on Benchmark assessments 2008 (WKBENCH1, WKBENCH2, and WKBENCH3)
ACOM:22	Annual Meeting of Advisory-related Working Group Chairs [AMAWGC]
ACOM:23 Ref. LRC, RMC	Study Group on Mixed Fisheries Management [SGMIXMAN]
ACOM:24	Study Group on Management Strategies [SGMAS]
ACOM:25 Ref. , LRC, RMC	Working Group on Assessment of New MoU Species [WGNEW]
ACOM:26	Fishery Statistics Liaison Working Group [WGSTAL]
ACOM:27	Workshop on Herring Management Plans [WKHMP]
ACOM:28 Ref. AMAWGC	Workshop on Reference Points in the Baltic Sea [WKREFBAS]
ACOM:29	Planning Group on Commercial Catches, Discards and Biological Sampling [PGCCDBS]
ACOM:30 Ref: LRC, RMC, PGCCDBS	Workshop on Fishers Sampling of Catches [WKSC]
ACOM:31 Ref: LRC, RMC, PGCCDBS	Joint STECF/ICES Workshop on Implementation Studies on Concurrent Length Sampling [WKISCON]
ACOM:32 Ref: LRC, RMC, PGCCDBS	Workshop on Methods to evaluate and estimate the accuracy of fisheries data used for assessment [WKACCU]
ACOM:33 Ref: PGCCDBS	Workshop on Maturity Ogive Estimation for Stock Assessment [WKMOG]
ACOM:34 Ref: RMC, NWWG, SGRS, AFWG, PGCCDBS.	Workshop on Age Determination of Redfish [WKADR]
ACOM:35 Ref: WGNSSK, WGBFAS, PGCCDBS	Workshop on Age Reading of Turbot [WKART]
ACOM:36 Ref: WGBFAS, PGCCDBS	Workshop on Age Reading of Baltic Herring (WKARBH)
ACOM:37 Ref. WGBFAS, PGCCDBS	Workshop on Age Reading of Baltic Sprat (WKARBS)

ACOM:38 Ref: LRC, RMC, WGBFAS, PGCCDBS	2nd Workshop on Age Reading of Flounder [WKARFLO]
ACOM:39 Ref. WGNSSK, PGCCDBS	Workshop on Age Reading of North Sea Cod (WKARNSC)
ACOM:40 Ref: RCM Med, PGMEd, PGCCDBS	Workshop on Small Pelagics (<i>Sardina pilchardus</i> , <i>Engraulis encrasicolus</i>) maturity stages [WKSPMAT]
ACOM:41	Working Group on Ecosystem Effects of Fishing Activities [WGECO]
ACOM:42 Ref: relevant WGs	Study Group on Working Hypotheses Regarding Effects of Climate Change [SGWRECC]
ACOM:43	Study Group on Working Hypotheses Regarding Effects of Climate Change [SGWRECC]
ACOM:44	Working Group on Marine Mammal Ecology [WGMME]
ACOM:45 Ref: WGECO, WGDEC, NAFO	ICES-NAFO Joint Working Group on Deep Water Ecology [WGDEC]
ACOM:46	Workshop on dealing with Natura 2000 and Related Requests (WKN2K)
ACOM:47	Working Group for Regional Ecosystem Description [WGRED]
ACOM:48 Ref: WGMME	Study Group for Bycatch of Protected Species [SGBYC]
ACOM:49 Ref: MHC, OSPAR	The Fourth ICES/OSPAR Workshop on Integrated Monitoring of Contaminants and their Effects in Coastal and Open-sea Areas [WKIMON IV]
ACOM:50 Ref: MHC, OCC	Steering Group on Quality Assurance of Biological Measurement [STGQAB]
ACOM:51	ICES/IOC/IMO Working Group on Ballast and other Ship Vectors [WGBOSV]
ACOM:52	ICES Working Group on Introduction and transfers of Marine Organisms [WGITMO]
ACOM:53 Ref: OSPAR	Workshop on Modelling of Predictive Eutrophication Status and Transboundary Nutrient Fluxes [WKPEST]
ACOM:54	Report on NEA mackerel long-term management scientific evaluation
ACOM:55	Baltic Salmon Action Plan Workshop [WKBALSAL]
ACOM:56	Report of the Advisory Committee [ACOM], 4–8 february 2008
ACOM:57	Report of the Meeting between ICES and the Regional Advisory Councils 2008 [MIRAC]
ACOM:58	Report of Meeting with ICES and Client Commissions [MICC]
ACOM:59	Report of the Ad Hoc Group on Sandeel
ACOM:60	Report of the Ad Hoc Group on Criteria for Reopening Fisheries Advice [AGCREFA]
ACOM:61	Report of the Ad Hoc Group on Cod Recovery Management Plan [AGCREMP]
ACOM:62	Report of the Benchmark Workshop Planning Group (PGBWK)
ACOM:63	Report of the Ad hoc Group on the International Redfish Survey in the Norwegian Sea (AGRED)
ACOM:64	Report of the Advisory Committee Meeting, December 2008 (ACOM)

Consultative Committee (CONC)

CONC:01	Consultative Committee [ConC]
CONC:02, Ref. All Science Cttees & All Advisory Cttees	Working Group on Data and Information Management [WGDIM]
CONC:03 Ref. Bureau	Report of the Steering Group on Climate Change (SGCC)

Baltic Committee (BCC)

BCC:01 Ref. ACOM	Study Group on Baltic Ecosystem Health Issues [SGEH]
BCC:02	Study Group on Baltic Sea Productivity [SGPROD]
BCC:03	ICES-IOC Working Group on GEOHAB Implementation in the Baltic [WGGIB]
BCC:04	Working Group on Integrated Assessments of the Baltic Sea [WGIAB]
BCC:05	ICES/BSRP Workshop on Developing and Testing Environmentally-Sensitive Stock-recruitment Relationships of Baltic Herring and Sprat stocks [WKSSRB]

Diadromous Fish Committee (DFC)

DFC:01 Ref. WGBAST, ACOM.	Study Group on data requirements and assessment needs for Baltic Sea trout [SGBALANST]
DFC:02 Ref. WGNAS	Workshop on Salmon historical information – new investigations from old tagging data [WKSHINI]
DFC:03 Ref. BCC	Study Group on Salmon Age Determination [SGSAD]

Fisheries Technology Committee (FTC)

FTC:01	Study Group on the Development of Fish Pots for Commercial Fisheries and Survey Purposes [SGPOT]
FTC:02 Ref. WGECO	ICES/FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB]
FTC:03 Ref. RMC	Working Group on Quantifying All Fishing mortality [WGQAF]
FTC:04	Study Group on Survey Trawl Standardisation [SGSTS]
FTC:05	Study Group on Fisheries Optical Technologies [SGFOT]
FTC:06 Ref. CONC	A mid-term meeting of the Fisheries Technology Committee [FTC]
FTC:07	Study Group on Fish Avoidance to Research Vessels [SGFARV]
FTC:08	Working Group on Fisheries Acoustic Science and Technology [WGFAST]
FTC:09	Study Group on combining gear parameters into effort and capacity metrics [SGEM]
FTC:10 Ref. WGFAST	Planning Group on the HAC Data Exchange Format [PGHAC]

Living Resources Committee (LRC)

LRC:01 Ref. RMC, HAWG	Planning Group for Herring Surveys [PGHERS]
LRC:02 Ref. ACOM	Planning Group on the North-east Atlantic continental slope survey [PGNEACS]
LRC:03 Ref. ACOM	Workshop and training course on <i>Nephrops</i> burrow identification [WKNEPHBID]
LRC:04 Ref. WGECO	Working Group on Fish Ecology [WGFE]
LRC:05 Ref. WGECO, ACOM	Working Group on Seabird Ecology [WGSE]
LRC:06 Ref. ACOM, WGSE	Workshop on Seabird Ecological Quality Indicator [WKSEQUIN]
LRC:07 Ref. RMC	Planning Group on North Sea Cod and Plaice Egg Surveys [PGEGBS]
LRC:08 Ref. ACOM	Baltic International Fish Survey Working Group [WGBIFS]
LRC:09 Ref. RMC	Working Group on Mackerel and Horse mackerel egg surveys [WGMEGS]
LRC:10 Ref. RMC, ACOM	Working Group on Beam Trawl Surveys [WGBEAM]
LRC:11 Ref. ACOM	Working Group on the Biology and Life History of Crabs [WGCRAW]
LRC:12 Ref. ACOM	Working Group on <i>Crangon</i> Fisheries and Life History [WGCRAN]
LRC:13 Ref. OCC, GLOBEC/SPACC	ICES/GLOBEC Working Group on Life Cycle and Ecology of Small Pelagic Fish [WGLESP]
LRC:14 Ref. ACOM	Working Group on Cephalopod Fisheries and Life History [WGCEPH]
LRC:15	Stock Identification Methods Working Group [SIMWG]
LRC:16 Ref. OCC, GLOBEC/SPACC	ICES/PICES/GLOBEC-SPACC Workshop on Changes in distribution and abundance of clupeiform small pelagic fish in relation to climate variability and global change [WKSPCLIM]
LRC:17	Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES Areas VIII and IX [WGACEGG]

Mariculture Committee (MCC)

MCC:01 Ref. ACOM	Working Group on Pathology and Diseases of Marine Organisms [WGPDMO]
MCC:02 Ref. ACOM	Working Group on Marine Shellfish Culture [WGMASC]
MCC:03 Ref. ACOM	Working Group on Environmental Interactions of Mariculture [WGEIM]
MCC:04 Ref. DFC, ACOM, WGECO	Working Group on the Application of Genetics in Fisheries and Mariculture [WGAGFM]

Marine Habitat Committee (MHC)

MHC:01 Ref. BEWG, ACOM	Workshop on Benthos Related Environmental Metrics [WKBEMET]
MHC:02 Ref. BEWG, WKBEMET, WGMHM	Workshop on the role of phytobenthic communities in ICES waters [WKPHYT]
MHC:03 Ref. ACOM	Working Group on Marine Sediments in Relation to Pollution [WGMS]
MHC:04 Ref. OCC, ACOM	Marine Chemistry Working Group [MCWG]
MHC:05	Working Group on Integrated Coastal Zone Management [WGICZM]
MHC:06 Ref. LRC, BEWG, ACOM	Study Group on Biodiversity Science [SGBIODIV]
MHC:07 Ref. ACOM	Working Group on Biological Effects of Contaminants [WGBEC]
MHC:08 Ref. FTC, ACOM	Working Group on Marine Habitat Mapping [WGMHM]
MHC:09 Ref. ACOM	Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem [WGEXT]
MHC:10 Ref. STGQAB, ACOM	Benthos Ecology Working Group [BEWG]
MHC:11 Ref. ICES review group(?)	Workshop on Fisheries Management in Marine Protected Areas [WKFMPA]

Oceanography Committee (OCC)

OCC:01 Ref. ACOM	Working Group on Oceanic Hydrography [WGOH]
OCC:02	ICES-IOC Steering Group on GOOS [SGGOOS]
OCC:03 Ref. ACOM	ICES-IOC Working Group on Harmful Algal Bloom Dynamics [WGHABD]
OCC:04 Ref. ACOM, HAWG	Working Group on Recruitment Processes [WGRP]
OCC:05 Ref. WGECO	Working Group on Zooplankton Ecology [WGZE]
OCC:06	Working Group on Modelling Physical Biological Interactions [WGPBI]
OCC:07 Ref. LRC, ACOM	Workshop on Operational Oceanographic Products [WKOOP]
OCC:08	ICES/GLOBEC Working Group on Cod and Climate Change [WGCCC]
OCC:09 Ref. LRC, ACOM	Workshop on Cod and Future Climate Change [WKCFCC]
OCC:10	Joint ICES/CIESM Workshop to compare Zooplankton Ecology and Methodologies between the Mediterranean and the North Atlantic [WKZEM]

Resource Management Committee (RMC)

RMC:01 Ref. ACOM	Study Group on Fisheries Induced Adaptive Change [SGFIAC]
RMC:02	International Bottom Trawl Survey Working Group [IBTSWG]

RMC:03 Ref. Working Group on Methods of Fish Stock Assessments [WGMG]
ACOM

RMC:04 Workshop on historical data on fisheries and fish [WKHIST]

RMC:05 Ref. LRC, Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys [PGNAPES]
ACOM

RMC:06 Ref. Working Group on Multispecies Assessment Methods [WGSAM]
ACOM

RMC:07 Working Group on Fishery Systems [WGFS]

RMC:08 Ref. Study Group on the evaluation of assessment and management strategies of the western herring stocks
ACOM [SGHERWAY]

RMC:09 Ref. LRC, Study Group on Risk Assessment and Management Advice [SGRAMA]
ACOM

ICES CM 2009 document codes

RMC:01 Ref. Study Group on Redfish Stocks [SGRS] (meeting 2009)
NWWG, ACOM

Theme Session A: Incorporating microbial dynamics in studies of shelf ecosystems

Conveners: John Steele (US) and Franciscus Colijn (Germany)

Code	Authors and Titles
A:01	Authors: Michael R. Heath, UK and John H. Steele, USA Title: The role of the microbial food web in ecosystem-based management
A:02	Author: William K.W. Li Title: The prokaryote to eukaryote ratio in plankton of the surface ocean
A:03	Authors: Markus Schartau, Anja Engel, and Franciscus Colijn Title: Transformation of dissolved organic matter and its diverse effect on higher trophic levels
A:04	Withdrawn
A:05	Withdrawn
A:06	Authors: Connie Lovejoy, Mary Thaler, and Ramon Terrado Title: Water masses, shelf influences and depth distributions of arctic microbial species
A:07	Authors: Louis Legendre and Richard B. Rivkin Title: Pelagic microbes: Producers, remineralisers, and conduits of organic matter toward larger organisms
Posters	
A:08	Withdrawn
A:09	Authors: E. Bresnan, S. Hay, S. Hughes, S. Fraser, and M. Heath Title: Changes in the spring bloom phytoplankton dynamics in the North East of Scotland
A:10	Author: Tracy McCollin Title: Observation of <i>Mediopyxis helysia</i> in Scottish Waters

Theme Session B: The role of sea ice in polar ecosystems

Conveners: Garry Stenson (Canada), Ken F. Drinkwater (Norway), and Kai Wieland (Denmark)

Code	Authors and Title
B:01	Authors: D. M. Mikkelsen and S. Rysgaard Title: Sea ice algae – seeding the ice edge pelagic bloom?
B:02	Authors: Earl Dawe, Don Parsons, and Eugene Colbourne Title: Relationships of sea ice extent and bottom water temperature with abundance of snow crab (<i>Chionoecetes opilio</i>) on the Newfoundland – Labrador Shelf
B:03	Withdrawn
B:04	Authors: James Overland and Ken Drinkwater Title: Current sea ice conditions and trends
B:05	Authors: Catherine L.Scott, Stig Falk-Petersen, and John R. Sargent. Title: Lipid compositions of calanoid copepods and an ostracod from Kongsfjorden and the Marginal Ice Zone north of Svalbard: Dietary Influences.
B:06	Author: Ken Drinkwater Title: The role of sea-ice in subarctic marine ecosystems
B:07	Author: W. Paul Budgell Title: Projected changes in the physical environment of four sub-arctic seas under climate change
B:08	Authors: George Hunt, Jeffery Napp, Kenneth O Coyle, and Phyllis Stabeno Title: The effect of seasonal sea ice cover on the structure of the eastern Bering Sea pelagic food web
B:09	Authors: Randi Ingvaldsen and Harald Gjøsæter Title: The effect of environmental conditions and stock size on geographical distribution of capelin (<i>Mallotus villosus</i> Müller) in the Barents Sea
B:10	Authors: Michael L. Carroll, William G. Ambrose Jr., Ben Levin, Adam Ratner, Stuart Ryan, and Jeanette Hardy Title: Sea ice variations influence benthic community growth rates over decadal scales: evidence from bivalve population near the Barents Sea polar front
B:12	Authors: Bas W.P.M. Beekmans, Jaume Forcada, Eugene J. Murphy, Hein de Baar, J. W Bathmann, and V. Ulrich Title: Changes in minke whale distributions in the Southern Ocean
B:13	Author: Becky Sjare Title: Monitoring the availability and quality of ringed seal pupping habitat in coastal Labrador
B:14	Withdrawn
B:15	Authors: Mike Hammill and Garry Stenson Title: Possible impacts of ice related mortality on trends in the northwest Atlantic harp seals population
B:16	Authors: Ingrid Peterson, Simon Prinsenber, James Hamilton, and Roger Pettipas Title: Variability of oceanographic and ice properties of the Canadian Arctic Archipelago
B:17	Authors: Charles G. Hannah, Frédéric Dupont, and Michael Dunphy Title: Polynyas and tidal currents in the Canadian Arctic Archipelago

Posters

B:11	Authors: Gary Maillet, Pierre Pepin, and Eugene Colbourne
	Title: The influence of sea ice dynamics on plankton abundance in the Northwest Atlantic inferred from the Continuous Plankton Recorder (CPR) Survey
B:17	Changed to paper
B:18	Withdrawn
B:19	Authors: Jørgen S. Christiansen, Oleg V. Karamushko, and Svein-Erik Fevolden
	Title: TUNU-MAFIG: Marine Fishes of North East Greenland – diversity and adaptation
B:20	Authors: T. S. Stevens and J. W. Lawson
	Title: Distribution and movement patterns of killer whales (<i>Orcinus orca</i>) in the northwest Atlantic
B:21	Authors: M. Scheidat, E. Burkhardt, H. Flores, A. Friedlaender, K.-H. Kock, L. Lehnert, J.A. van Franeker, and R. Williams
	Title: Antarctic sea ice habitat and minke whales
B:22	Authors: Clarence Pautzke, W. Wiseman, F.K. Wiese, and Carrie Eischens
	Title: North Pacific research board and national science foundation partner in comprehensive study of eastern Bering Sea ecosystem
B:23	Authors: Simon Prinsenber and Ingrid Peterson
	Title: Inter-annual pack ice properties of the St. Lawrence Gulf and their effect on the mortality of Harp Seal herd
B:24	Withdrawn

Theme Session C: Mid-ocean ridges and seamounts: oceanography, ecology, and exploitation

Conveners: Tone Falkenhaus (Norway), Gui Menezes (Portugal), and Uwe Piatkowski (Germany)

Code	Authors and Title
C:01	Withdrawn
C:02	Authors: Paul Brickle, Vladimir Laptikhovsky, and Alexander Arkhipkin Title: Structure and distribution of fish and cephalopod communities on the Burdwood Bank (Southwest Atlantic)
C:03	Authors: F. J. Murillo, P. Durán Muñoz, M. Mandado, T. Patrocinio, and G. Fernández Title: By-catch of cold-water corals from an Experimental Trawl Survey in Corner Rise and New England Seamount Complex (NAFO Regulatory Area. Divs. 6EFG) during year 2004
C:04	Authors: M. R. Dunn and I. J. Doonan Title: Nursery grounds of orange roughy
C:05	Author: Paul J B Hart Title: Could seamounts be important for fish speciation?
C:06	Author: Telmo Morato Title: Abundance of seamounts in the Azores and their effect on aggregating visiting species
C:07	Authors: Hildur Petursdottir, Stig Falk-Petersen, Haakon Hop, and Astthor Gislason Title: Spatial difference in fatty acids profiles and stable isotopes values, $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$?, of <i>Calanus finmarchicus</i> along the northern Mid-Atlantic Ridge
C:08	Withdrawn
C:09	Author: S. V. Piyanova Title: Some data on the reproductive system conditions of Antarctic toothfish (<i>Dissostichus mawsoni</i>) males and females from the Indian Ocean area in the summer period
C:10	Authors: V.I. Vinnichenko and A.F. Kakora Title: History of Russian seamount fisheries in the Atlantic
C:11	Authors: M. Ostrowski, Ø. Skagseth, and L. Nøttestad Title: The structure of the water column, flow patterns and pelagic backscatter responses around the Vema Seamount during a passage of an Agulhas Ring
C:12	Authors: Hafsteinn G. Gudfinnson, Hogni Debes, Tone Falkenhaus, Eilif Gaard, Ástthor Gislason, Hildur Petursdottir, Thorsteinn Sigurdsson, and Hedinn Valdimarsson Title: Abundance and productivity of the pelagic ecosystem along a transect across the northern Mid Atlantic Ridge in June 2003
C:13	Authors: Sarah N.P. Wong and Hal Whitehead Title: Seasonal distribution of sperm whales (<i>Physeter macrocephalus</i>) around Kelvin Seamount
C:14	Authors: Mikko Heino <i>et. al.</i> Title: Length structure of deep-pelagic fishes sheds new light to their life histories
C:15	Withdrawn
C:16	Authors: Tracey Sutton and Thorsteinn Sigurdsson Title: Vertical and horizontal distribution of mesopelagic fishes along a transect across the Reykjanes Ridge, northern Mid-Atlantic Ridge, in June 2003
C:17	Authors: Kyle A. Bartow and Tracey T. Sutton

	Title: Ecology of the midwater fish family Melamphaidae over the Mid-Atlantic Ridge
C:18	Authors: Owen A. Sherwood, Ronald E. Thresher, Stewart J. Fallon, Dianna M. Davies, and Thomas W. Trull Title: Deep-sea bamboo corals from the Tasmanian seamounts: Isotopic evidence for benthic-pelagic coupling
C:19	Withdrawn
C:20	Withdrawn
Posters	
C:21	Authors: Tone Falkenhaus, Aino Hosia, and Francesc Pages Title: Gelatinous macrozooplankton on the Mid-Atlantic Ridge. Distribution patterns of trawl-collected planktonic cnidarians.
C:22	Authors: Gui Menezes, Diana Catarino, and Sergio Stefanni Title: Deep-sea fishing on four Atlantic seamounts located south of the Azores
C:23	Authors: A. G. Arkhipov and A. A. Mamedov Title: Comparison of specific structures of fishes in early ontogeny of seamounts in Central-East and North-East Atlantic Ocean
C:24	Withdrawn
C:25	Authors: Reinhold Hanel, Hans-Christian John, Ole Meyer-Klaeden, and Uwe Piatkowski Title: Abundance and distribution patterns of fish larvae at Senghor-Seamount, Cape Verde Islands
C:26	Withdrawn
C:27	Authors: Christopher J. Sweetman, Tracey T. Sutton, and Ann Bucklin Title: Microscopical and molecular trophic analysis of fishes from the family microstomatidae associated with the Mid-Atlantic ridge
C:28	Authors: M. R. Dunn and A. McKenzie Title: Ontogenetic habitat shifts and stock assessment of orange roughy
C:29	Withdrawn
C:30	Authors: O. Melo, M. R. Pinho, A. Aranha, J. Gonçalves, G. Menezes, and E. Isidro Title: Distribution and Biology of the shrimp <i>Plesionika edwardsii</i> (Brandt, 1851) off the Azores.
C:31	Authors: M. R. Pinho, O. Melo, J. M. Gonçalves, A. M. Leocádio, A. Aranha, G. Menezes, and E. Isidro. Title: Abundance and biology of deep-water red crab <i>Chaceon affinis</i> from Voador and Gigante seamounts off the Azores.

Theme Session D: New trends in diseases of marine organisms: causes and effects

Conveners: Sharon MacLean (USA), Thomas Lang (Germany), and Sharon McGladdery
(Canada)

Code	Authors and Title
D:01	Authors: Thomas Lang, and Werner Wosniok Title: The Fish Disease Index: A method to assess wild fish disease data in the context of marine environmental monitoring
D:02	Author: Rocco Cipriano Title: Antibody against Infectious Salmon Anemia Virus among feral Atlantic salmon (<i>Salmo salar</i>)
D:03	Authors: Felix Baumgart, Thomas Lang, Stephen Feist, David Bruno, Patricia Noguera, and Werner Wosniok Title: Hyperpigmentation in North Sea dab (<i>Limanda limanda</i>): spatial and temporal patterns, host effects and possible causes
D:04	Authors: J. Frank Morado, Earl G. Dawe, and Richard J. Cawthorn Title: The emergence of bitter crab disease as an international crustacean health issue
D:05	Author: Erich H. Follmann Title: The potential role of sea ice reduction on the transfer of diseases from terrestrial to marine mammals in the Arctic
D:06	Authors: Kristina Lehnert, Georg von Samson-Himmelstjerna, Peter Wohlsein, Dirk Schaudien, and Ursula Siebert Title: Lungworm transmission in porpoises and seals: molecular tools determine fish intermediate hosts
D:07	Authors: Duncan J. Colquhoun and Jarle Mikalsen Title: <i>Francisella</i> spp. infections in farmed and wild fish
D:08	Authors: H. Seibel, K. Lehnert, P. Wohlsein, W. Baumgärtner, R. Weiss, E. Prenger-Berninghoff, and U. Siebert Title: Infectious diseases in marine mammals from the North and Baltic Sea
D:09	Authors: T. Jauniaux, H. Berguerie, K. Camphuysen, P-Y Daoust, O. Drouguet, T. Ghisbain, M. Garcia-Hartmann, A. Grondin, J. Haelters, T. Jacques, and J. Kiszka Title: Causes of death of harbor porpoises (<i>Phocoena phocoena</i>) stranded on the on the continental coastline of the southern North Sea (Belgium, France, and Dutch coasts) between 1990 and 2007
D:10	Authors: Susan Ford, Nancy Stokes, Eugene Burreson, Emily Scarpa, Ryan Carnegie, John Kraeuter, and David Bushek Title: A novel hard clam parasite: making sense of a new finding
D:11	Withdrawn
D:12	Authors: Mark S. Sokolowski, Keith J. Dunton, Paul R. Bowser, and Mark D. Fast Title: <i>Dichelesthium oblongum</i> (Copepoda:Dichelesthidae) infection in wild caught Atlantic Sturgeon, <i>Acipenser oxyrinchus</i>
D:13	Authors: D. T. Gauthier, W. K. Vogelbein, K. Reece1, M. W. Rhodes, R. Latour, and J. Hoenig Title: Endemic mycobacteriosis in striped bass (<i>Morone saxatilis</i>) from the Chesapeake Bay
D:14	Authors: Egil Karlsbakk, Are Nylund, Karl Fredrik Ottem, Trond E. Isaksen, and Øivind Bergh1 Title: Emerging disease in Norwegian aquaculture: francisellosis
D:15	Authors: Tokinori Iwamoto, David Groman, Carmencita Yason, Nellié Gagne, and Stewart Johnson Title: Improved diagnostic methodologies for detection of betanodavirus infections of Atlantic cod (<i>Gadus morhua</i>)

D:16	Withdrawn
D:17	Withdrawn
D:23	Authors: Kelly S. Bateman and Grant D. Stentiford
	Title: Crustacean disease research in Europe – current and emerging issues
Posters	
D:18	Withdrawn
D:19	Withdrawn
D:20	Authors: P. A. Fair, J. S. Reif, J. Adams, T. Hulsey, and G. D. Bossart
	Title: Bottlenose dolphins (<i>Tursiops truncatus</i>) as sentinels of environmental health: health status of dolphins from two southeast U.S. estuarine sites
D:21	Withdrawn
D:22	Authors: Matt Longshaw, Stephen Feist, Paul Stebbing, Patricia Noguera, David Bruno, and Melinda Beck
	Title: Red Vent Syndrome caused by the nematode <i>Anisakis simplex sensu lato</i> – an emerging problem for returning salmon?

Theme Session E: Marine spatial planning in support of integrated management – tools, methods, and approaches

Conveners: Stuart Rogers (UK), Robert O'Boyle (Canada), Glen Jamieson, PICES (Canada), and Tana Worcester (Canada)

Code	Authors and Title:
E:01	<p>Authors: A. S. M. Vanderlaan, C. T. Taggart, and M. W. Brown</p> <p>Title: A practical example of a successful strategic approach to marine spatial analyses and minimising spatial conflict: How not to kill whales with vessels</p>
E:02	<p>Authors: Vanessa Stelzenmüller, John Aldridge, and Stuart Rogers</p> <p>Title: Comparing patterns of fishing pressure and natural disturbance on UK marine landscapes and their implications for marine spatial planning</p>
E:03	<p>Authors: S. Vaz, J. Delavenne, R. J. Smith, C. S. Martin, L. Dupuis, F. Coppin, A. Carpentier</p> <p>Title: Comparative study of conservation planning strategies: a case study in the Eastern English Channel using MARXAN and ZONATION softwares</p>
E:04	<p>Authors: H.-H. Hinrichsen, B. Huwer, M. Schaber, and G. Kraus</p> <p>Title: Marine Protected Areas as a fisheries management tool for eastern Baltic cod: coupling of observational data with hydrodynamic model simulations</p>
E:05	<p>Authors: C. T. Taggart, K. R. Smedbol, and A. S. M. Vanderlaan</p> <p>Title: A practical example of a successful strategic approach to marine spatial analyses and minimising spatial conflict: How not to entangle whales in fishing gear</p>
E:06	<p>Authors: Wesley Flannery, Eugene Nixon, and Micheál Ó Cinnéide</p> <p>Title: Preparing the ground for marine spatial planning in Ireland</p>
E:07	<p>Authors: Eugeniusz Andrulowicz and Zbigniew Otremba</p> <p>Title: Existing and planned technical installations in the Baltic Sea as an emerging pressure on marine environment and the key component for the marine spatial planning</p>
E:08	<p>Authors: D. C. Gordon Jr., E. L. R. Kenchington, and K. D. Gilkinson</p> <p>Title: A Canadian example of using spatial management to minimize the impacts of trawling on benthic communities</p>
E:09	<p>Authors: B. D. Chang and F. H. Page</p> <p>Title: Use of a GIS for decision support in coastal zone management in the southwestern New Brunswick portion of the Bay of Fundy</p>
E:10	<p>Authors: Janet Nye and Jason Link</p> <p>Title: Meta-analysis of changing spatial distribution of Northwest Atlantic fish and invertebrate stocks in relation to temperature and stock structure</p>
E:11	<p>Authors: Vladimir E. Kostylev, Brian J. Todd, John Shaw, and Richard A. Pickrill</p> <p>Title: Seabed mapping for Integrated Spatial Management</p>
E:12	<p>Author: Anthony Charles</p> <p>Title: Linking Marine Protected Areas, Fisheries and Integrated Ocean Management</p>
E:13	<p>Authors: Jennifer L. Smith, John Crawford, Hussein Alidina, Robert Rangeley, Marty King, John Roff, and Ken Larade</p> <p>Title: Implementing networks of MPAs in Canadian waters: do we really know enough to proceed? Lessons from a proof of concept study in the Scotian Shelf and Gulf of Maine</p>
E:14	<p>Author: Erik Olsen</p> <p>Title: Identifying particularly valuable and vulnerable areas: a key tool for the integrated management plans for the Barents Sea and Norwegian Sea</p>
E:15	<p>Authors: Ulf Bergström, Alfred Sandström, Göran Sundblad, and Lena Bergström</p>

	Title: A method for assessing the ecological coherence of an MPA network with regard to fish
E:16	Authors: Alida Bundy, Nancy Shackell, Janet Nye, Kevin Friedland, and Jason Link
	Title: Poissons sans frontières: Comparing contiguous surveys for major ecological and commercial species in the Northwest Atlantic, with a focus on trends, synchronies and coherences
E:17	Author: Jake Rice
	Title: The use of criteria for assessing ecological and biological significance in setting conservation objectives for integrated management
E:18	Authors: Heino Fock, Anne Sell, Søren Anker Pedersen, and Jake Rice
	Title: Fisheries and marine spatial planning in German offshore waters - resolving spatial conflict issues
E:19	Authors: Lars Føyn and Inger Oline Røsvik
	Title: Lessons learnt from developing and implementing integrated management plans in Norwegian waters
E:20	Authors: J. S. Ault, J. A. Bohnsack, S. G. Smith, J. Luo, and G. T. Kellison
	Title: Use of marine spatial pPlanning to build sustainable multispecies fisheries in the Florida, USA, coral reef ecosystem
E:21	Authors: L. A. Robinson, C. L. J. Frid, and S. I Rogers
	Title: Weighing up the ecological vulnerability of marine components to different pressures: a critical element of marine spatial planning
E:22	Withdrawn
E:23	Authors: Thomas Noji, Steven Fromm, and Suellen Fromm
	Title: Habitat suitability modeling using the Kostylev approach in support of fisheries management
E:24	Authors: Fanny Douvere and Charles Ehler
	Title: Marine spatial planning: A promising new paradigm for applying an integrated, ecosystem approach to ocean management
E:25	Author: A. Jordaán
	Title: Using multivariate derived indicators of biodiversity as a tool for marine spatial planning: designating boundaries in time and space
E:26	Authors: Simon Northridge, Al Kingston, and Alice Mackay.
	Title: Keeping vulnerable mammals away from fishing grounds: an assessment of the extent of the area required to protect cetaceans from bycatch
E:27	Authors: C. R. Pitcher, N. Ellis, W. Venables, T. J. Wassenberg, C. Y. Burrige, F. Pantus., G. P. Smith, M. Browne, P. J. Doherty, J. N. A. Hooper, N. Gribble, and I. R. Poiner
	Title: Integrated approaches to assessment of seabed habitat & biodiversity in support of management on the continental shelf of the Great Barrier Reef.
E:28	Authors: Eugene Nixon <i>et al</i>
	Title: Developments in national marine spatial planning systems within the OSPAR maritime area
E:29	Authors: Jo Foden, Stuart I. Rogers, and Andrew P. Jones
	Title: Assessing the performance of marine plans
E:30	Authors: Hans Mose Jensen and Carlos Pinto
	Title: ICES EcoSystemData - Providing data for the ecosystem approach
E:31	Authors: Tim Hall and Glen Herbert
	Title: Marine spatial planning on the Scotian Shelf
E:32	Withdrawn

Posters

E:33	Withdrawn
E:34	Withdrawn
E:35	Authors: F. van der Hulst, G. J. Piet, and N. Hintzen Title: Requirements of VMS for assessing the impact of fishing
E:36	Withdrawn
E:37	Authors: Marijn Rabaut, Steven Degraer, Jan Schrijvers, Sofie Derous, Dirk Bogaert, Frank Maes, Magda Vincx, and An Cliquet Title: Policy analysis of the 'MPA-process' in temperate continental shelf areas
E:38	Withdrawn
E:39	Withdrawn
E:40	Authors: N. T. Hintzen and T. Brunel Title: Interpolation of vessel trajectory from Vessel Monitoring System data
E:41	Withdrawn
E:42	Authors: Alida Bundy, Jason Link, Brian Smith, and Adam Cook Title: You are what you eat ... whenever you eat it: an integrative analysis of fish food habits across different seasons in eastern US and Canadian waters
E:43	Withdrawn
E:44	Authors: Robert Aps, J. Kotta, and K. Herkül Title: Baltic fisheries as a spatial resource
E:45	Authors: Reid, J., T. Anker-Nilssen, J. Arcos, R. Barrett, J. Chardine, E. Dunn, J. Fric, R. Furness, O. Hüppop, M. Nunes, B. Olsen, I. Ramirez, and R. Veit Title: Incidental take of seabirds on longlines in the north Atlantic
E:46	Authors: Marine Spatial Planning in the Nordic Region: Perspectives, Challenges and Opportunities Title: T.K. Sørensen, M. Blæsbjerg, and O. Vestergaard

Theme Session F: Size is almost everything! Size- and trait-based processes and models in ecosystems and management

Conveners: Ken Haste Andersen (Denmark), Jorn Bruggeman (the Netherlands), and John Pope (Norway)

Code	Authors and Title
F:01	Author: Wolfgang Fennel Title: Food-web models - theory, processes and parameterization
F:02	Authors: Amit Tandon, Brian Rothschild, and Jason Olejarz Title: Variability of a linear non-local spectral ecosystem model due to nutrient donor-nutrient acceptor interaction characteristics
F:03	Authors: Julia L. Blanchard, Richard Law, Matthew D. Castle, Carolyn Barnes, and Simon Jennings Title: Predator-prey mass ratios and the variability of marine fish populations
F:04	Authors: E. J. Guirey, D. Speirs, W. Gurney, and S. Greenstreet Title: A new multi-species, physiologically-structured fish ecosystem model
F:05	Author: John G. Pope Title: Using moment based approaches to investigate the structure and behaviour of size spectra.
F:06	Authors: John K. Pinnegar and Julia L. Blanchard Title: Long-term shifts in the feeding preferences of North Sea fish over the past 100 years: old data and new modelling approaches
F:07	Authors: David S. Boukal, Erin S. Dunlop, Mikko Heino, and Ulf Dieckmann Title: Fisheries-induced evolution of body size and other life history traits: the impact of gear selectivity
F:08	Authors: J. G. Pope and S. J. Holmes Title: Length based approaches compared to age based approaches to determining the significance of seal feeding on cod in ICES Division VIa.
F:09	Author: Ken H. Andersen Title: Trophic cascades in size-spectra
F:10	Withdrawn
F:11	Authors: W. J. Connelly and E. D. Houde Title: Interannual and seasonal variability in biomass size spectra of estuarine larval and juvenile fish communities
F:12	Authors: C. Longo , G. J. Pierce, P. Peristeraki, and G. Tserpes Title: Size based or trait based effects of fishing? Biomass and species diversity size-spectra in demersal fish of the Aegean sea
F:13	Authors: Mikko Heino, David S. Boukal, Tone Falkenhaus, Uwe Piatkowski, Filipe M. Porteiro, and Tracey T. Sutton Title: Size structure, age-size dynamics and life history variation
F:14	Authors: P. G. Gómez-Canchong, R. A. Quiñones, and L. M. Manjarrés Title: Non-linearities in the size structure of a benthic/demersal community heavily fished in the Caribbean Sea of Colombia
F:15	Authors: P. G. Gómez-Canchong, R. A. Quiñones, and U. Brose Title: Variability in the parameters of biomass size-spectra as a response to topological changes in virtual ecological networks

F:16	Authors: Henrik Gislason, Jake C. Rice, and John G. Pope
	Title: Does natural mortality depend on individual size?

F:17	Authors: Agostino Merico, Jorn Bruggeman, and Kai Wirtz
	Title: An adaptive-based approach for downscaling complexity in plankton ecosystem models

F:18	Authors: D. Gascuel, S. Gu�nette, and D. Pauly
	Title: The trophic-level based ecosystem modelling approach: a overview on theoretical interest and practical use

Posters

	Title: A simulation study of the effects of spatially complex population structure for Gulf of Maine Atlantic cod
--	--

F:20	Authors: Ch. M. Nigmatullin, O. A. Shukhalter, and V. V. Laptikhovsky
	Title: Tropho-parasitic relations of arrow squid <i>Todarodes sagittatus</i> in the waters of the northwestern African ecosystem and their conditionality by squid size

F:21	Withdrawn
------	------------------

Theme Session G: Sediment–biota interactions and mapping marine habitats

Conveners: Stephen Smith (Canada), Heye Rumohr (Germany), and Thomas Noji (USA)

Code	Authors and Title
G:01	<p>Authors: P. Durán Muñoz, M. Sayago-Gil, J. Cristobo, S. Parra, A. Serrano, V. Díaz del Rio, T. Patrocinio, M. Sacau, J. Murillo, D. Palomino, M. Domínguez, and L. M. Fernández-Salas</p> <p>Title: A practical example of mapping in order to select closed areas to protect cold-water corals in the high-seas (Hatton Bank, ICES VIb1 & XIIb)</p>
G:02	<p>Authors: Steven Degraer, Geert Moerkerke, Marijn Rabaut, Gert Van Hoey, Isabelle Du Four, Magda Vincx, Jean-Pierre Henriët, and Vera Van Lancker</p> <p>Title: Very-high resolution side-scan sonar mapping of biogenic reefs of the tube-worm <i>Lanice conchilega</i></p>
G:03	<p>Authors: Lorna R. Teal, Ruth Parker, Gary Fones, and Martin Solan</p> <p>Title: From patterns to processes: mapping sediment function</p>
G:04	<p>Authors: M. John Tremblay, Stephen J. Smith, Pierre M. Clement, and Brian J. Todd</p> <p>Title: The potential of underwater imaging to evaluate lobster (<i>Homarus americanus</i>) density on different habitats.</p>
G:05	Withdrawn
G:06	<p>Authors: Neil Campbell, Lynda Allan, Adrian Weetman, and Helen Dobby.</p> <p>Title: Investigating the link between <i>Nephrops norvegicus</i> burrow density and sediment composition in Scottish waters.</p>
G:07	<p>Authors: G. Thorarinsdóttir, S. A. Ragnarsson, and K. Gunnarsson</p> <p>Title: The impact of hydrolic clam dredging and winds on soft bottom communities</p>
G:08	<p>Authors: Stephen J. Smith, Jerry Black, Fisheries and Oceans Canada, Brian J. Todd, and Vladimir E. Kostylev</p> <p>Title: The impact of commercial fishing on the determination of habitat associations of sea scallops</p>
G:09	<p>Authors: Pål Buhl-Mortensen, Margaret Dolan, and Lene Buhl-Mortensen</p> <p>Title: Prediction of habitats on a fishing bank off Northern Norway using a combination of multivariate analysis and GIS classification</p>
G:10	<p>Authors: Cordelia H. Moore, Euan S. Harvey, and Kimberly Van Niel</p> <p>Title: Spatial prediction of demersal fish distributions: enhancing our understanding of species-environment relationships.</p>
G:11	Withdrawn
G:12	<p>Authors: Christopher B. Cogan, Brian J. Todd, Tom Noji, and Peter Lawton</p> <p>Title: The role of marine habitat mapping in ecosystem based management</p>
G:13	Withdrawn
G:14	<p>Authors: Jeffrey Barrell and Jon Grant</p> <p>Title: Spatial analysis of seagrass ecosystems</p>
G:15	<p>Authors: Thomas Noji, Steven Fromm, and Suellen Fromm</p> <p>Title: Habitat suitability modeling using the Kostylev approach as an indicator of distribution of benthic invertebrates</p>
G:16	Withdrawn
G:17	<p>Authors: Bärbel Müller-Karulis, Vadims Jermakovs, and Juris Aigars</p> <p>Title: Mapping habitats shaped by <i>Furcellaria lumbricalis</i> along the Latvian Baltic Proper coast</p>

G:18	Withdrawn
G:19	Authors: C. R. Pitcher, M. Browne, W. Venables, N. Ellis, P. J. Doherty, J. N. A. Hooper, and N. Gribble Title: Mapping seabed habitats and biodiversity on the Continental Shelf of the Great Barrier Reef region by biophysical prediction
G:20	Authors: Rudy Kloster <i>et al.</i> Title: National mapping of upper slope seabed – utility for predicting sediment biota interactions.
G:21	Withdrawn
G:22	Withdrawn
Posters	
G:23	Authors: Els Verfaillie, Steven Degraer, Isabelle Du Four, Marijn Rabaut, Marc Van Meirvenne, Wouter Willems, and Vera Van Lancker Title: The relevance of ecogeographical variables for marine habitat suitability modelling of <i>Owenia fusiformis</i>
G:24	Authors: Wouter Willems, M. Vincx, P. Goethals, and S. Degraer Title: Habitat suitability models as tools in marine management
G:25	Withdrawn
G:26	Authors: Joseph Vitaliano, Robert Reid, David Packer, Vincent Guida, Thomas Noji, Steven Fromm, Jason Link, and Frank Almeida. Title: Broad-scale invertebrate tube coverage on the seabed. implications for sediment properties, animal-sediment interactions, habitat characteristics, and habitat mapping on Georges Bank
G:27	Withdrawn

Theme Session H: Ecological carrying capacity in shellfish culture

Conveners: Conveners: Francis O'Beirn (Ireland) and Peter J. Cranford (Canada)

Code	Authors and Title:
H:01	Authors : Philippe Cugier, Michel Blanchard, Joseph Mazurié, Stéphane Pouvreau, and Frédéric Olivier Title: Studying the carrying capacity of Mont Saint Michel Bay (France): respective role of the main filter feeders
H:02	Authors: Weimin Jiang and Mark Gibbs Title: Predicting the carrying capacity of bivalve shellfish culture using a steady, linear food web model
H:03	Authors: Aad C. Smaal and William Silvert Title: A simple model for estimation of shellfish carrying capacity
H:04	Authors: Karine Grangeré, Aline Gangnery, Cédric Bacher, and Alain Ménesguen Title: Modelling nitrogen cycle in a small intertidal estuary: respective influence of environmental factors and cultivated oysters
H:05	Authors: Øivind Strand, Jan Aure, Svein-Rune Erga, and Tore Strohmeier Title: Ecological carrying capacity of mussel culture in fjords
H:06	Withdrawn
H:07	Authors: Carrie Byron, David Alves, David Bengtson, Robert Rheault, and Barry Costa-Pierce Title: Working toward consensus: application of shellfish carrying capacity in management of RI aquaculture
H:08	Authors: M. R. Anderson, R. B. Rivkin, D. Deibel, R. J. Thompson, T. J. Edwards, J. Stacey, and J. Ryan Title: Ecosystem interactions with mussel culture in Newfoundland coastal waters
H:09	Authors: Jon Grant, Ramón Filgueira (Dalhousie), Cedric Bacher (IFREMER), and Øivind Strand (IMR Bergen) Title: Operational models of carrying capacity applied to a Norwegian fjord
H:10	Authors: D. Brigolin, R. Pastres, S. Covelli, S. Predonzani, and M. Giani Title: Modelling interactions between mussel farm biodeposition, sediment biogeochemistry and nitrogen recycling in the northern Adriatic sea (Italy).
H:11	Authors: Ramón Filgueira and Jon Grant Title: A box model of carrying-capacity for mussel aquaculture in a Norwegian fjord
H:12	Authors: Peter J. Cranford, Øivind Strand, Tore Stroheimer, Michael Dowd, William Li, and Jon Grant Title: Phytoplankton depletion by mussel aquaculture: high resolution mapping, ecosystem modeling and potential indicators of ecological carrying capacity
H:13	Authors: M. J. Gubbins, C. Greathead, T. Amundrud, P. Gillibrand, P. Tett, M. Inall, A. J. S. Hawkins, and I. M. Davies Title: Towards determination of the carrying capacity of Scottish sea lochs for shellfish aquaculture
H:14	Authors: A. M. Weise, A. J. Cromey, M. D. Callier, P. Archambault, J. Chamberlain, and C. W. McKindsey Title: Predictive ecological modelling for suspended shellfish aquaculture systems: assessing biodeposition and benthic effects with Shellfish-DEPOMOD
H:15	Authors: Philippe Archambault, Brianna G. Clynick, and Christopher W. McKindsey Title: Secondary productivity and abundance of fish and macroinvertebrates in mussel aquaculture sites
H:16	Authors: Christopher W. McKindsey, Myriam D. Callier, Philippe Archambault, and Andrea M. Weise Title: Farmed mussel biodeposit production and dose-dependent influence on benthic communities

Posters

H:17	Authors: Karine Grangeré, Alain Ménesguen, Sébastien Lefebvre, and Cédric Bacher
	Title: Modelling the influence of the environment on the interannual variability in biological performances of the Pacific oyster <i>Crassostrea gigas</i> cultivated in the Baie des Veys estuary (France)
H:18	Authors: Karine Grangeré, Cédric Bacher, and Sébastien Lefebvre
	Title: Comparison of residence time, phytoplankton turnover and oyster filtration time in an estuarine bay (Baie des Veys, France) to assess interactions between cultivated oysters and ecosystem
H:19	Withdrawn
H:20	Authors: V. Bélanger, P. Archambault, F. Guichard, and L. E. Jonhson
	Title: Recruitment and production of the blue mussel on navigation buoys in the St. Lawrence system (estuary and gulf)
H:21	Authors: A. Gangnery, C. Bacher, K. Grangeré, and S. Pouvreau
	Title: Assessing trophic carrying capacity of the Baie des Veys (Normandy, France) with a biological model
H:22	Authors: M. AskariHesni, N. Shabanipour, A. Atabati, and A. A. Hedayati
	Title: Influences of salinity shock on antennal gland cells and molting rate of narrow-clawed crayfish (<i>Astacus leptodactylus</i>)
H:23	Authors: Cindy Grant, Philippe Archambault, Christopher W. McKindsey, and Frédéric Olivier
	Title: Does intertidal mussel aquaculture in highly dynamic systems enhance biodiversity?

Theme Session I: Fishing capacity, effort, and fishing mortality – The understanding of fishery dynamics and their links to management

Conveners: Dave Reid (UK) and Jesper Levring Andersen (Denmark)

Code	Authors and Title
I:01	Author: David A. J. Middleton Title: Managing fishing methods: the structure and dynamics of the New Zealand set net fishery
I:02	Authors: Nikki Jacobson and Steven Cadrin Title: Projecting mixed-species yield of New England groundfish
I:03	Authors: Ane Iriondo, Dorleta García, Marina Santurtún, Iñaki Quincoces, Leyre Goti, Jose Castro, and Stephanie Maevas Alex Tidd Title: The use of Fcube (Fishery and Fleet Forecasts) method for mixed-fisheries management: Western Waters case study.
I:04	Authors: S. Kasatkina and V. Ivanova Title: Application of observations and modeling data to support fisheries management options: fishing intensity and fishing effort
I:05	Authors: Youen Vermard and Etienne Rivot Title: Identifying fishing trip behavioural mode and fishing effort using Bayesian Hidden Markov Models
I:06	Never presented
I:07	Author: Ignacio Payá Title: The impacts of effort standardization procedures (GLM, GLMM and integrated estimations) and error distributions assumptions (normal, lognormal, t-student robust) on the depletion model biomass estimations of <i>Loligo gahi</i> off Falkland Islands.
I:08	Authors: Neil Campbell, Alastair Pout, Doug Beare, Richard Hillary, Dave Reid, and Franz Hoelker. Title: Capacity and effort metrics of the Scottish pelagic fleet: utility in testing management plans for pelagic fish stocks in the waters around Scotland
I:09	Authors: Paul Marchal, Philippe Lallemand, and Kevin Stokes Title: The relative weight of traditions, economics and catch portfolios in New Zealand fleets dynamics
I:10	Author: Paul Marchal Title: Individual Transferable Quotas and mixed-fisheries: a bio-economic modelling investigation applied to the New Zealand hoki fishery
I:11	Authors: Adiaan D. Rijnsdorp, Jan JaapPoos, Floor J. Quirijns, and Reinier HilleRisLambers Title: Dynamics of small scale patch use in fishers targeting several fish species
I:12	Authors: Sarah B. M. Kraak, Niels Daan, and Martin A. Pastoors Title: Performance of XSA with two separate tuning indices versus one integrated index when exploitation varies spatially
I:13	Authors: Irene Huse and Cecilie Kvamme Title: Changes in the dynamics of the Norwegian mackerel purse seine fishery – does it influence the representativeness of the reference fleet data?
I:14	Authors: Leyre Goti, Raúl Prellezo, and Ane Iriondo Title: A study of the economic drivers of investment in capacity applied to Basque fleets in the Western Waters (ICES subareas VII and VIII)
I:15	Authors: J. Haralabous, E.V. Tsitsika, and C.D. Maravelias

	Title: Modelling fishers' behavior in the Mediterranean Sea using Random Utility Models
I:16	Authors: E. V. Tsitsika, C. D. Maravelias and J. Haralabous
	Title: Fishing capacity assessment in the Eastern Mediterranean purse seine fisheries
I:17	Authors: E. Walker, D. Gaertner, Ph. Gaspar, F. Mortier, R. Pianet, and N. Bez
	Title: Estimation of nominal fishing effort of tropical tuna purse seiners, with a Bayesian approach
I:18	Authors: Andrés Uriarte, Raúl Prellezo, Antonio Punzón , Martín Aranda, and Begoña Villamor
	Title: The Spanish fishery on anchovy in the Bay of Biscay: Analysis of the relationship between fishing Capacity, Effort and mortality
I:19	Authors: M. Doray, S. Mahévas, and V. M. Trenkel
	Title: Direct estimation of catchability in a combined acoustic-trawl survey, with reference to fish spatial distribution
I:20	Authors: Stéphanie Mahévas, Verena Trenkel, and Mathieu Doray
	Title: Small scale estimates of the biological and technical components of catchability
I:21	Authors: Stéphanie Mahévas, Youen Vermard, Trevor Hutton, Ane Iriondo, Angélique Jadaud, Christos Maravelias, Antonio Punzón , Jacques Sachi, Alex Tidd, and Effie Tsitsik
	Title: Standardising fishing effort according to technical characteristics requires an assessment of the fishermen skill contribution in catchability estimates
I:22	Authors: Youen Vermard, Sigrid Lehuta, Stéphanie Mahévas, Olivier Thébaud, Paul Marchal, and Didier Gascuel
	Title: Integrating Random Utility Model fit in ISIS-Fish to simulate the dynamics of the Anchovy fishery of the Bay of Biscay.
I:23	Authors: Jan Jaap Poos, Johannes A Bogaards, Darren M. Gillis, and Adriaan D. Rijnsdorp
	Title: Modeling spatiotemporal effort allocation and size dependent discarding in a mixed fishery with individual catch and effort quotas
I:24	Authors: S. Northridge, A. Kingston, and A. Mackay
	Title: Appropriate effort metrics for bycatch estimation
I:25	Authors: D. G. Reid, P. J. Copland, F. Armstrong, and M. J. Stewart
	Title: Small scale pattern in the allocation of fishing effort in the Scottish pelagic fishery; a view from different landscapes
I:26	Authors: A. R. Lawler and M. T. Smith
	Title: Vessel characteristics, fishing power and the development of fishing effort in the Wash (UK) brown shrimp fleet from 1989 to 2004

Posters

I:27	Withdrawn
I:28	Authors: Catherine L. Scott and Sture Hansson
	Title: Incorporating uncertainty into management – an INEXFISH approach
I:29	Authors: Humberto Olivera, Elsa Galarza, Edward Barriga, Carlos Salazar, Jaqueline Palacios, and Rashid Sumaila
	Title: A bio-economic evaluation of quota for the management of the Peruvian Hake fishery
I:30	Authors: Begoña Villamor, Martín Aranda, Antonio Punzón, Andrés Uriarte, and Jose Carlos Báez
	Title: The Anchovy fishery in the Bay of Biscay I: description and analysis of the Spanish Fleet (2000–2005)
I:31	Authors: Alberto G. Murta and William Silvert
	Title: A transparent precautionary approach to harvest control rules

Theme Session J

Theme Session J: Comparative dynamics of populations in the Baltic Sea and Gulf of St Lawrence ecosystems

Conveners: Michele Casini (Sweden) and Dan Duplisea (Canada)

Code	Authors and Title
J:01	Authors: Keith Brander, Ghislain Chouinard, Irene Mantzouni, and Bob Mohn Title: Comparative dynamics of cod populations in the Baltic Sea, the Gulf of St Lawrence and other areas
J:02	Authors: Sophie Comtois, Claude Savenkoff, Marie-Noëlle Bourassa, Richard Sears, and Jean-Claude Brêthes Title: Is the change in distribution and abundance of blue whales related to the groundfish collapse in the northern Gulf of St. Lawrence?
J:03	Authors: E. M. Karasiova, R. Voss, and M. Eero Title: Long-term dynamic in eastern Baltic cod spawning time: from small scale reversible changes to a recent drastic shift
J:04	Authors: Alice Bui, Patrick Ouellet, and Martin Castonguay Title: Ichthyoplanktonic community structure in the Northwest Gulf of St-Lawrence (Canada): Past and present
J:05	Authors: R. Belley, P. Archambault, B. Sundby, and F. Gilbert Title: Environmental factors influencing macrobenthic biodiversity and bioturbation in the Estuary and Gulf of St. Lawrence
J:06	Authors: Anna B. Neuheimer, C. T. Taggart, and J. M. Hanson Title: Disentangling variation in fish growth: Evidence for size-selective fishing in southern Gulf of St. Lawrence cod (<i>Gadus morhua</i>)
J:07	Authors: Irene Mantzouni and Brian R. MacKenzie Title: Hierarchical modeling of temperature and habitat effects on carrying capacity and maximum reproductive rate of North Atlantic cod in the Baltic Sea, Gulf of St. Lawrence and throughout the North Atlantic
J:08	Authors: Margit Eero, Brian R. MacKenzie, Friedrich W. Köster, and Henrik Gislason Title: The Baltic Sea bio-manipulation experiment of the 20th century—resolving relative impacts of human activities and climate on a cod population
J:09	Author: Rainer Oeberst Title: Distribution pattern of cod and flounder in the Baltic Sea based on international coordinated trawl surveys
J:10	Authors: Piotr Margonski, Sture Hansson, Maciej Tomczak, and Ryszard Grzebielec Title: Incorporating extrinsic drivers into the management of the Baltic cod, sprat, and herring stocks
J:11	Authors: S. Niiranen, T. Stipa, J.-P. Pääkkönen, A. Norkko, and S. Kaitala Title: Modelled impact of changing nutrient conditions on the Baltic Sea food web
J:12	Authors: Yvan Lambert, Francine Fortin, and Céline Audet Title: Seasonal dynamics in growth, energy storage, and reproduction of cod (<i>Gadus morhua</i>) under different temperature and feeding conditions
J:13	Withdrawn
J:14	Authors: Amanda Caskenette and Steve Crawford Title: Applied Predator-prey functional responses: Grey seal (<i>Halichoerus grypus</i>) and Atlantic cod (<i>Gadus morhua</i>) interaction as a case study.
J:15	Author: Denis Chabot

	Title: The impact of hypoxia on cod from the Baltic and the estuary and gulf of St Lawrence
J:16	Withdrawn
J:17	Author: Jan Thulin
	Title: The Baltic Sea Large Marine Ecosystem: Its structure and dynamics, human pressures and governance approaches
J:18	Authors: Michel Gilbert, Réjean Dufour, and Patrick Ouellet
	Title: The Gulf of St. Lawrence Marine Ecosystem: An overview of its structure and dynamics, human pressures, and governance approaches
J:19	Author: Henrik Österblom
	Title: The Baltic Nest Decision Support System and the Baltic Nest Institute The Baltic Nest Decision Support System and the Baltic Nest Institute
Poster	
J:20	Authors: A. Séguin and P. Archambault
	Title: <i>In situ</i> determination of the impact of press and pulse disturbances on spatial variability of a St. Lawrence rocky intertidal ecosystem assemblages

Theme Session K: Small-scale and recreational fisheries surveys, assessment, and management

Conveners: Jon Helge Vølstad (Norway),
Dave Van Vorhees (USA), and Patrick Berthou (France)

Code	Authors and Title
K:01	Authors: B. Morales-Nin and M. Palmer Title: Managing coastal zone fisheries: interactions between small-scale and recreational activities
K:02	Author: Psuty Iwona Title: Trust and check. An individual approach to small-scale fishery sampling from the Polish brackish lagoons (Southern Baltic)
K:03	Authors: Johanna Herfaut, Harold Levrel, Olivier Thébaud, Hervé Tranger, Patrick Berthou, Bruno Drouot, Christian Dintheer, Olivier Guyader, Yvon Morizur Title: Combining telephone and on-site surveys for the estimation of catches and expenditures by recreational fishermen: the pilot survey of French recreational fisheries
K:04	Authors: Bruce Hartill, Richard Bian, and Tim Watson Title: Developments in using aerial fishing effort surveys to scale up observed harvests
K:05	Authors: J. H. Vølstad, P. Santana Afonso, A.P. Baloi, N. de Premegi, and J. Meisfjord Title: Probability-based survey techniques for monitoring catch and effort in the Coastal small-scale fisheries in Mozambique
K:06	Authors: Han Lin-Lai and Rob Andrews Title: Development of a dual-frame methodology for estimating marine recreational fishing effort
K:07	Author: Jeremy M. Lyle Title: Application of a telephone-diary methodology to estimate catch and effort in recreational fisheries: examples from Australia
K:08	Withdrawn
K:10	Authors: Fabienne Dures, Sylvie Van Iseghem, Sébastien Demaneche, Cecile Brigaudeau, Olivier Guyader, Emilie Leblond, and Patrick Berthou Title: Re-assessing French small-scale fisheries: from fleet activity to economic performance
K:11	Authors : Fabienne Daurès, Emilie Leblond, Patrick Berthou, Christian Dintheer, Claude Merrien, Alain Tétard, Joël Vigneau, and Patrick Lespagnol Title: The Fisheries Information System of Ifremer – a multidisciplinary monitoring network and an integrated approach for the assessment of French fisheries, including small-scale fisheries
K:12	Authors : Patrick Berthou, Fabienne Dures, Emilie Leblond, Claude Merrien, Sebastien Demaneche, Olivier Guyader, and Patrick Lespagnol Title: From fleet census to sampling schemes: an original collection of data on fishing activity for the assessment of the French fisheries
K:13	Authors: Gary J. Burt, Louise P. N. Cox, Jim R. Ellis, Dave W. Kulka, and Andrew I. L. Payne Title: The status and management of thornback ray <i>Raja clavata</i> in the south-western North Sea
K:14	Authors: Sébastien Demaneche, Claude Merrien, Olivier Guyader, Emilie Leblond, Fabienne Dures, and Patrick Berthou Title: A new approach to estimate catches and fishing effort of small scale fisheries by sampling fishing on-site
K:15	Authors: D. Feijó, A. Rocha, P. Santos, and F. Saborido-Rey Title: Statistical species characterization of Gurnard Landings in North of Portugal
K:16	Authors: T. Romeo, F. Ferretti, P. Consoli, S. Canese, and F. Andaloro Title: Assessment of the Mediterranean swordfish based on Italian harpoon fisheries data

K:17	Authors: Michael Wilberg, Thomas Ihde, Thomas Miller, and David Secor
	Title: Enhancing sustainability in marine recreational fisheries: a stakeholder-driven process for evaluating angling practices and management options for king mackerel in the US
K:18	Authors: Otte Bjelland and Irene Huse
	Title: Self-sampling as a method for collecting assessment data from a small-scale fishery – the Norwegian gillnetting for anglerfish
K:19	Authors: N. Prista, C. M. Jones, J. L. Costa, and M. J. Costa
	Title: Extracting fish movement information using landings and effort information of the small-scale <i>Argyrosomus regius</i> fishery in Portugal
K:20	Authors: Thomas R. Sminkey, Dave Van Voorhees, Rob Andrews, Ron Salz, John Foster, and Han-Lin Lai
	Title: For-Hire Survey of Marine Recreational Fishing in the Gulf of Mexico
K:21	Authors: David A. Van Voorhees, Thomas R. Sminkey, Han-Lin Lai, William R. Andrews, John R. Foster, and Ronald J. Salz
	Title: The Marine Recreational Fishery Statistics Survey – complex sampling and possible estimation biases
K:22	Authors: John Foster, Ron Salz, Thomas R. Sminkey, Dave Van Voorhees, Rob Andrews, and Han-Lin Lai
	Title: Large Pelagics Survey: Methodology, data uses, and statistical issues
K:23	Withdrawn

Posters

K:09	Authors: Olivier Guyader, Sébastien Demaneche, and Patrick Berthou
	Title: Fuel consumption as a proxy for the assessment of nominal effort and variable costs: application to the French West Indies small-scale fleets
K:24	Authors: Christopher Zimmermann, Norbert Schultz, and Cornelius Hammer
	Title: How much cod is removed from the Western Baltic Sea by recreational fishers?
K:25	Authors: Jon Helge Vølstad, Merete Nilsen, Michael Pennington, and Kjell Nedreaas
	Title: Survey sampling on a shoestring – effective methods to monitor catch and effort in the Norwegian coastal tourist fishery.

Theme Session L: Coupled physical and biological models: parameterization, validation, and applications

Conveners: Guoqi Han (Canada), André Visser (Denmark), Andreas Moll (Germany),
and Angelica Pena (Canada)

Code	Authors and Title
L:01	Author: Harald Yndestad Title: The Barents Sea ecosystem dynamics as coupled oscillators to long tides
L:02	Authors: S. Katsev, G. Chaillou, B. Sundby, and A. Mucci Title: Predictive modeling of sediment response to hypoxia in the Gulf of St. Lawrence
L:03	Authors: Meibing Jin, Clara Deal, and Jia Wang Title: Ecosystem model for sea ice influenced seas
L:04	Author: Thomas Neumann Title: Eutrophication in the Baltic Sea and shifts in nitrogen fixation analyzed with a 3D ecosystem model
L:05	Authors: Mariusz Zalewski, Zbigniew Witek, and Magdalena Wielgat-Rychert Title: Vistula Lagoon (southern Baltic) ecosystem presented in regionally scaled biogeochemical model
L:06	Authors: Kai Myrberg <i>et al.</i> Title: Validation of three-dimensional hydrodynamic models in the Gulf of Finland based on a statistical analysis of a six-model ensemble
L:07	Authors: Solfrid Hjøllo, Geir Huse, and Morten D. Skogen Title: Modelling zooplankton-phytoplankton interactions in the Nordic seas using a fully coupled 3 dimensional <i>Calanus finmarchicus</i> Individual Based Model
L:08	Authors: M. Lévesque, P. Archambault, D. Archambault, J.-C. Brêthes, and S. Vaz Title: Epibenthic macrofauna community structure of the Gulf of St. Lawrence in relation to environmental factors and commercial fish assemblages: multivariate and geostatistic approaches.
L:09	Authors: Anna B. Neuheimer and Wendy C. Gentleman Title: Spatial variability in <i>Calanus finmarchicus</i> phenology: Application of a new individual-based model (IBM)
L:10	Authors: Patrizio Mariani, Brian R. MacKenzie, Daniele Iudicone, and Alexandra Bozec Title: Modelling retention and dispersion mechanisms of bluefin tuna eggs and larvae in the Northwest Mediterranean Sea (Balearic area)
L:11	Authors: Yongsheng Wu, Trevor Platt, Charles C. L. Tang, Shubha Sathyendranath, Emmanuel Devred, and Shue Gu Title: A summer phytoplankton bloom triggered by high wind events in the Labrador Sea, July 2006
L:12	Authors: D. Brigolin, T. Lovato, S. Ciavatta, and R. Pastres Title: The impact of mussel farming on the biogeochemistry of the Northern Adriatic coastal ecosystem: preliminary results from a modelling study
L:13	Withdrawn
L:14	Withdrawn
L:15	Authors: Katja Fennel, Moritz Lehmann, John Wilkin, and Ruoying He Title: Modelling biogeochemical processes on the North American east coast continental shelf
L:16	Author: Mari Myksvoll

Title: Mechanisms affecting the transport of early stages of Norwegian Coastal Cod – a fjord study	
L:17	Withdrawn
L:18	Withdrawn
L:19	Authors: F. B. Vikebø, Å. Husebø, A. Slotte, and E. K. Stenevik Title: Impact of early spawning on survival and growth in Norwegian spring spawning herring
L:20	Authors: E. W. North <i>et al.</i> Title: Coupling Eulerian and Lagrangian models to understand sediment transport, ecosystem dynamics, zooplankton population fluctuations, and larval fish feeding success in upper Chesapeake Bay
L:21	Authors: Guoqi Han and David W. Kulka Title: Grand Bank White Hake Recruitment in relation to the Labrador Current
L:26	Authors: H. Mendes and M.F. Borges Title: Climatic impact on hake recruitment in Iberian Peninsula and implications for fisheries management: an InExFish project study
Posters	
L:22	Authors: Witold Bagniewski, Katja Fennel, and Mary Jane Perry Title: Application of variational data assimilation to coupled physical-biological models of the North Atlantic Bloom
L:23	Authors: Paul Mattern, Katja Fennel, and Michael Dowd Title: Application of two statistical data assimilation procedures to a 1D Biological Model of the BATS Site
L:24	Authors: Lin Lu, Jon Grant, Michael Dowd, and Grace Chiu Title: Index modelling for coastal ecosystem health assessment
L:25	Author: Chris Corkett Title: Scientific parameterization and its validation: comparing the universal models of fisheries economics with the invalid modeling of stock assessment
L:26	Withdrawn
L:27	Withdrawn

Theme Session M: How much habitat is enough? Evaluating habitats in terms of their ecosystem function, goods, and services

Conveners: Stephen K. Brown (USA), David Connor (UK), and Jake Rice (Canada)

Code	Authors and Title
M:01	Withdrawn
M:02	Authors: S. Vaz, A. Carpentier, and F. Coppin Title: Modelling Fish Community Habitat in the Eastern English Channel: Tentative prediction of habitat distribution change under different climatic variation scenarios
M:03	Authors: S. Lelièvre, S. Vaz, C. Martin, and Y. Verin Title: Identification and characterization of winter spawning grounds in the Eastern English Channel and southern North Sea
M:04	Authors: V. Lauria, S. Vaz, C. Warembourg, P. Eastwood, F. Coppin, and A. Carpentier Title: Modelling and mapping fish habitat suitability of European plaice (<i>Pleuronectes platessa</i>) in the Eastern Channel
M:05	Authors: Christine Röckmann and Mark Dickey-Collas Title: Will the North Sea still be a suitable habitat for herring in the years to come?
M:06	Authors: Ms. Roselyne and Ms. Quinter Title: The dying national wetland case study of Yala Swamp beyond 2020-KENYA
M:07	Authors: Pierre Petitgas, Mathieu Woillez, Sandrine Vaz, and Christophe Loots Title: Fish habitat mapping with empirical orthogonal functions
M:08	Authors: Oleg M. Lapshin, Maria G. Dolgikh, and Michael I. Malin Title: Complex assessment of spawning habitat availability for Caspian sturgeons in the Volga River
M:09	Withdrawn
M:10	Authors: Göran Sundblad, Ulf Bergström, Alfred Sandström, and Peter Eklöv Title: Does habitat availability affect fish population size? A case study from the Baltic Sea
M:11	Authors: Ronald Baker, Phillip S. Levin, and Thomas J. Minello Title: Assessing the link between coastal wetland loss and white shrimp fishery production in the northern Gulf of Mexico
M:12	Authors: Odette Paramor and Chris Frid Title: The effect of fishing on habitat functioning: Implications for management
M:13	Authors: Kim Houston, Ben Davis, and Robert Gregory Title: Canada's approach for addressing habitat research needs
M:14	Withdrawn
M:15	Authors: Michael G. Frisk, Daniel Duplisea, and Verena Trenkel Title: Exploring the effects of exploitation, season, and temperature on abundance-occupancy relationships for the Georges Bank finfish and shellfish community from 1963–2006
M:16	Authors: Clare B. Embling, Eric Armstrong, Janine Illian, and Beth E. Scott Title: Topographic and tidal influenced foraging behaviour of top predators and prey

Posters

M:17 **Authors:** K. Haddadi Moghaddam, Z. Pajand, and F. Chubian

Title: The role of pelagic fishes in abundance of immature sturgeons in southern part of Caspian Sea

**Theme Session N: Problems and solutions for the assessment,
conservation, and restoration of rare, threatened, and endangered fish
species**

Conveners: N. Ó Maoiléidigh (Ireland) and Peter Amiro (Canada)

Code	Authors and Title
N:01	Authors: Naman Sharma and Dan Lane Title: Atlantic Cod Stock: A review of its current status and possible solution for strategic fisheries management.
N:02	Withdrawn
N:03	Author: Paul A. Skvorc, II Title: A non-invasive automated tagging system using digital pattern recognition
N:04	Authors: Alan Walker, Ted Potter, and Ian Russell Title: Challenges for the assessment of the UK stock of European eel, <i>Anguilla anguilla</i>
N:05	Authors: Nigel Milner, Ian Russell, Miran Aprahamian, Roger Inverarity, Jon Shelley, and Phillip Rippon Title: The role of stocking in the recovery of the River Tyne salmon fishery
N:06	Authors: H. V. Winter, J. J. de Leeuw, A. W. Breukelaar, and J. Borcharding Title: Recolonization of North Sea houting after a stocking programme in the Lower Rhine
N:07	Authors: Tara Trinko, Chad Keith, Rory Saunders, and Tim Sheehan Title: The use of GIS based modeling to establish basin specific fisheries goals and prioritize restoration efforts in the Penobscot River Basin (Maine, USA)
N:08	Authors: Matthew Litvak, Xinhai Li, Sima Usvyatsov, James Watmough, and John Hughes-Clarke Title: Defining critical habitat and estimating population size of shortnose sturgeon (<i>Acipenser brevirostrum</i>) using novel underwater video survey and modeling approaches
N:09	Authors: Rudy J. Kloser, Sally Wayte, Nic Bax, and Tim Ryan Title: Science and monitoring needs for assessing the recovery of Australian orange roughy
N:10	Authors: A. Mackay, A. Kingston, and S. Northridge Title: Assessing the impacts of commercial fisheries on rare, threatened and endangered fish species in UK waters
N:11	Authors: A. Jamie F. Gibson, Ross A. Jones, and Peter G. Amiro Title: Equilibrium analyses of the recovery feasibility of four Atlantic salmon (<i>Salmo salar</i>) in Nova Scotia and Southwest New Brunswick
N:12	Authors: Carolyn Harvie, Manon Cassista, and Patrick O'Reilly Title: Minimizing loss of genetic variation and wild fitness in semi-captive populations of endangered inner Bay of Fundy Atlantic salmon
N:13	Authors: Niall Ó Maoiléidigh, Philip McGinnity, Denis Doherty, and Jonathon White Title: : Restocking programmes for salmon (<i>Salmo salar</i> , L.) in Ireland – how successful have they been ??
N:14	Authors: G. B. Zydlewski, M. T. Kinnison, J. D. Zydlewski, S. Fernandes, P. Dionne, C. Lipsky, J. Kocik, and G. S. Wippelhauser Title: Assessment of endangered shortnose sturgeon in Maine Rivers
Posters	
N:16	Authors: Svein-Erik Fevolden, Kim Præbel, and Jørgen Schou Christiansen Title: The rare <i>Theragra finnmarchica</i> (Gadidae); endangered or never established?

Theme Session O: Governmental quality and risk management

Conveners: Tammo Bult (the Netherlands), Laurence Kell (UK), Sakari Kuikka (Finland), and Bonnie McCay (USA)

Code	Authors and Title
O:01	Author: Doug Wilson Title: ICES Approach to EAFM: Implications for Adaptive Environmental Management Institutions
O:02	Authors: Naman Sharma and Dan Lane Title: Risk analysis framework for the cost benefit analysis and strategic fisheries management
O:03	Authors: J. D. Mumford, A. Leach, and L. Kell Title: Insurance mechanisms to mediate economic risks in marine fisheries
O:04	Author: Maiken Bjørkan Title: Ecosystem management as a new mode in fisheries management? Linking Fishers and Scientists knowledge
O:05	Author: Anthony Charles Title: Robust management, risk and the ecosystem approach to fisheries
O:06	Authors: Ingi Runar Edvardsson, Diana Tingley, Johann Asmundsson, Alexis J. Conides, and Dennis Holm Title: Fisheries management systems and risk perception among fishermen in Iceland, Faroe Islands, UK and Greece
O:07	Authors: Mika Rahikainen, Marko Lindroos, and Veijo Kaitala Title: Stability of international fisheries agreements using precautionary bioeconomic harvesting strategies
O:08	Authors: Ingolf Røttingen and Sigurd Tjelmeland Title: A quest for management objectives – case study on the Barents Sea capelin
O:09	Authors: Samu Mäntyniemi, Sakari Kuikka, Mika Rahikainen, Laurence Kell, and Veijo Kaitala Title: Value of information and value of control in fisheries management: North Sea herring as an example
O:10	Authors: Stéphanie Mahévas, Sigrid Lehuta, Hervé Monod, and Youen Vermard Title: Running simulation designs to assess the sensitivity of management measures to fishermen reactions
O:11	Withdrawn
O:12	Author: Teresa R. Johnson Title: Assessing the meaning of collaboration: how stakeholders define cooperative fisheries research
O:13	Authors: David C.M. Miller and Peter A. Shelton Title: Risk management within an RFMO – The case of Greenland halibut and NAFO
O:14	Author: Gottfried Pestal Title: Untangling probability concepts in qualitative risk evaluations
O:15	Authors: Cristina Pita, Graham Pierce, and Ioannis Theodossiou Title: Stakeholders' participation in Fisheries management: Fishers' perceptions of involvement
O:16	Author: Bonnie J. McCay Title: Public participation and risk communication: lessons for fisheries

O:17 **Author:** Jan van Tatenhove
Title: Fisheries governance: issues of legitimacy and accountability

Posters

O:18 **Authors:** Howard Powles, L. Scott Parsons, and Dan Lane
Title: Well-managed fisheries: can we learn from experience to define best practices?

O:19 **Withdrawn**

O:20 **Authors:** Marta Coll *et al.*
Title: Ranking the relative status of exploited marine ecosystems using multiple ecological indicators on states and trends

O:21 **Authors:** A. Järvik and T. Raid
Title: The current situation and possible ways for sustainable development of the small-scale fishery in Estonian coastal sea

O:22 **Authors:** Alida Bundy, Yunne-Jai Shin, Lynne Shannon, Marie-Joëlle Rochet, Marta Coll, and Philippe Cury
Title: IndiSeas: A Global Comparison of ecosystem indicators across fished marine ecosystems

O:23 **Author:** Gottfried Pestal
Title: From optimization to collaboration: Developing escapement strategies for Fraser River Sockeye Salmon (*Oncorhynchus nerka*)

O:24 **Author:** Katharina Jantzen
Title: The role of regional fisheries bodies in North Atlantic fisheries

O:25 **Withdrawn**

Theme Session P: New methodology for tracking fish, mammal, and seabird behaviour and migrations

Conveners: David Somerton (USA), Francis Neat (Scotland, UK), Erling Nordøy (Norway), and Kevin Weng, PICES (USA)

Code	Authors and Title
P:01	Authors: David Somerton and Dan Nichol Title: Seasonal migrations of rock sole (<i>Lepidopsetta polyxystra</i>) in the eastern Bering Sea using the Tidal Location Method on archival tag data.
P:02	Authors: Mike Lonergan, Mike Fedak, and Bernie McConnell Title: Gampath: a method for smoothing noisy telemetry data
P:03	Authors: Greg A. Breed, Ian D. Jonsen, Ransom A. Myers, W. Don Bowen, and Marty L. Leonard. Title: Sex-specific, seasonal foraging tactics in adult grey seals (<i>Halichoerus grypus</i>) are revealed by behaviour discriminating state-space models
P:04	Authors: David Righton, Francis Neat, Victoria Quayle, Peter Wright, Martin Pedersen, Mike Armstrong, Victoria Hobson, and Henrik Svedang Title: Spatial dynamics of Atlantic cod (<i>Gadus morhua</i>) in the North Sea: results from a large-scale electronic tagging programme
P:05	Authors: Barbara Berx, Francis Neat, Martin Wæver Pedersen, Peter Wright, and Roger Proctor Title: Increasing confidence in tidal-based geolocation models by including temperature information: the case of cod in the northern North Sea
P:06	Authors: Sophie Bestley, John Sutherland Gunn, Mark Hindell, Sophie Bestley, John S. Gunn, and Mark A. Hindell Title: Behavioural plasticity of migrating juvenile southern bluefin tuna in relation to oceanography of the south Indian Ocean
P:07	Authors: Stefan Garthe and Robert W. Furness Title: Individual migratory schedules and wintering areas of the largest North Atlantic seabird, the northern gannet
P:08	Withdrawn
P:09	Authors: David Brickman and Villi Thorsteinsson Title: Geolocation of Icelandic Cod from DST data using a Particle Filter Method with Attractor Function
P:10	Authors: M. J. S. Stokesbury, R. K. O'Dor, and J. Sheng Title: The Ocean Tracking Network: Using electronic tagging technology to better understand animal behaviour, ecology, and ocean physics
P:11	Authors: Markus Horning, Jo-Ann Mellish, Lowell Fritz, Rod Towell, and Roger Hill Title: The Life History Transmitter: spatially explicit detection of mortality and predation in a marine mammal
P:12	Authors: Uffe Høgsbro Thygesen, Junita Karlsen, Anders Nielsen, and Martin Wæver Pedersen Title: Indirect observation of fish movements: A general methodology applied at different scales
P:13	Author: F. Royer Title: Advances in light-based positioning in an oceanographic context
P:14	Authors: Kevin Weng, David Foley, James Ganong, Christopher Perle, George Shillinger, and Barbara Block Title: Migration of a High Trophic Level Predator, the Salmon Shark, Between Distant Ecoregions

-
- P:15 **Authors:** B. D. Bruce, R. W. Bradford, and T. Patterson
Title: Spatial dynamics of white sharks in Australian waters
-
- P:16 **Authors:** Benjamin Galuardi, Francois Royer, Walt Golet, John Neilson, and Molly Lutcavage
Title: Complex migration tracks from AtlanticBluefin Tuna Tagged off Nova Scotia Canada
-
- P:17 **Withdrawn**
-

Posters

-
- P:18 **Authors:** David Righton *et al.*
Title: Life in the big blue box: studying the marine life of European eels
-
- P:19 **Authors:** Shelley Armsworthy, Steve Campana, and Kurtis Trzcinski
Title: Integrating new and old tagging technologies for Atlantic halibut
-
- P:20 **Authors:** A. Kingston, A. Mackay, S. Northridge, R. Swift, and N. Tregenza
Title: Integrating sightings surveys with static and towed acoustic monitoring to investigate responsive, seasonal and inter-annual changes in cetacean distribution in the English Channel
-
- P:21 **Authors:** Alexei Sharov, James Churnside, Clif Tipton, Chris Bonzek, and Robert Latour
Title: LIDAR survey of menhaden population in Chesapeake Bay
-
- P:22 **Withdrawn**
-
- P:23 **Authors:** Stefan Neuenfeldt, Ken Haste Andersen, and Hans-Harald Hinrichn
Title: Atlantic cod *Gadus morhua* L. in the Baltic Sea visit hypoxic water briefly but often
-
- P:24 **Withdrawn**
Title: Vertical movements of Atlantic cod (*Gadus morhua*) in the North Sea and the Baltic Sea
-

Theme Session Q: Evidence of global warming effects on zooplankton populations and communities, including larvae of benthic invertebrates and fish

Conveners: Wulf Greve (Germany), Steve Hay (UK), and Peter H. Wiebe (USA)

Code	Authors and Title
Q:01	Authors: R. Voss, J.O. Schmidt, M.A. Peck, and H.-H. Hinrichsen Title: Causes and consequences of decadal changes in the diel vertical migration behaviour of Baltic sprat larvae
Q:02	Authors: Martin Castonguay, Stéphane Plourde, Dominique Robert, Jeffrey A. Runge, and Louis Fortier Title: Copepod production drives recruitment in a marine fish
Q:03	Authors: Wendy C. Gentleman and Anna B. Neuheimer Title: Functional responses and ecosystem dynamics: influences of satiation, food-limitation and acclimation
Q:04	Authors: Astthor Gislason, Hildur Petursdottir, Olafur S. Astthorsson, Kristinn Gudmundsson, and Hedinn Valdimarsson Title: Interannual variability in abundance and community structure of zooplankton south and north of Iceland in relation to environmental conditions in spring 1990–2007
Q:05	Authors: Erica Head, Kumiko Azetsu-Scott, Glen Harrison, Ross Hendry, Bill Li, Igor Yashayaev, and Philip Yeats Title: Changes in environmental conditions and the population dynamics of <i>Calanus finmarchicus</i> in the Labrador Sea (1990–2006)
Q:06	Authors: Edward T. Peltzer and Peter G. Brewer Title: Beyond pH and temperature: thermodynamic constraints imposed by global warming and ocean acidification on mid-water respiration by marine animals.
Q:07	Author: Rainer Oeberst Title: Variability of the year-class strength of western Baltic spring spawning herring (Rügen herring) – which factors determine the year-class strength?
Q:08	Authors: Takeshi Okunishi, Taketo Hashioka, Hiroshi Sumata, Shin-ichi Ito, and Yasuhiro Yamanaka Title: Simulation of the impact of climate change on migration pattern and growth of Japanese sardine
Q:09	Withdrawn
Q:10	Authors: Tetsuo Harada, Mitsuru Nakajyo, and Takao Inoue Title: Geographical distribution and heat-tolerance in the oceanic sea skaters of Halobates. and oceanic dynamics (Heteroptera: Gerridae)
Q:11	Withdrawn
Q:12	Authors: Mikael Van Deurs, Ralf van Hal, Maciej Tomasz Tomczak, and Per Dolmer Title: Time series analysis of extrinsic drivers on sandeel stock-recruitment relationship with emphasize on <i>Calanus finmarchicus</i> abundance during the post hatching phase and interactions between spawning stock size and population density
Q:13	Authors: D. E. Richardson, J. A. Hare, and W. J. Overholtz Title: Development of long-term larval indices for Atlantic herring (<i>Clupea harengus</i>) in the northwestern Atlantic Ocean
Q:14	Authors: Anne Richards, Maureen Taylor, and Jay O'Reilly Title: Temperature effects on recruitment of northern shrimp in the Gulf of Maine may be mediated through match-mismatch with bloom timing
Q:15	Withdrawn

Title: Changes in the spatial distribution of sardine (*Sardinops sagax*) eggs off California over 50 years in relation to hydrographic variables

Q:16 **Withdrawn**

Posters

Q:17 **Authors:** K. Getzlaff, R. Voss, H.-H. Hinrichsen, A. Lehmann, and F. Köster

Title: CAVIAR: Climate Variability of the Baltic Sea area

Q:18 **Withdrawn**

Q:19 **Authors:** Warembourg Caroline, Antajan Elvire, and Vaz Sandrine

Title: Automated counting and identification of ichthyoplankton: an attempt with the ZooScan imaging system

Q:20 **Authors:** Colm O'Shea and Martin White

Title: Oceanic forcing of the dynamics at the continental margin west of Ireland and the effect on zooplankton distributions

Q:21 **Authors:** Catherine Johnson, Brian Petrie, and Erica Head

Title: Interannual changes in zooplankton community composition on the Scotian Shelf, northwest Atlantic

Q:22 **Authors:** Todd D. O'Brien, A. Lopez-Urrutia, P. Wiebe, S. Hay, and WGZE members

Title: Zooplankton Monitoring in the ICES Area: A summary of sites and recent findings.

Q:23 **Author:** Richard Briggs

Title: The abundance of John dory (*Zeus faber* L.) in the Irish Sea

Q:24 **Authors:** R. P. Briggs, G. Foster, and E O'Callaghan

Title: Unusual fish from the Irish Sea

Theme Session R: Environmental and fisheries data management, access, and integration

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

Code	Authors and Title
R:01	<p>Authors: Amos Barkai, Karl Geggus, Fatima Felaar, Zahrah Dantie, Arno Hayes, and Daniel Glago</p> <p>Title: Olfish Dynamic Data Logger: A complete, solution for the recording, reporting and transmission of commercial fishing data.</p>
R:02	<p>Authors: Robert C. Groman, Cynthia L. Chandler, M. Dicky Allison, Peter H. Wiebe, and David M. Glover</p> <p>Title: Discovery, access, interoperability, and visualization features of a Web interface to oceanographic data</p>
R:03	<p>Author: J. R. Keeley</p> <p>Title: The IODE / JCOMM standards process</p>
R:04	Withdrawn
R:05	<p>Author: Pekka Alenius</p> <p>Title: Cruise planning and reporting in FIMR – an integrated system for information and data</p>
R:06	<p>Authors: Bernard A. Megrey and S. Allen Macklin</p> <p>Title: Pacific-wide marine metadata discovery, management and delivery: The PICES Metadata Federation</p>
R:07 Poster	<p>Authors: Richard Franks, Nicholas Wolff, Bruce MacLeod, David Briggs, and Lewis Incze</p> <p>Title: A system for rapid data discovery, display, integration and download</p>
R:08	Withdrawn
R:09	<p>Authors: Jason Hartog, Toby Patterson, Klaas Hartmann, Paavo Jumppanen, Scott Cooper, and Russell Bradford</p> <p>Title: An integrated database system for the management of large volumes of tagging data</p>
R:10	<p>Authors: E. Vanden Berghe, T. Rees, N. Bailly, and M. Knazek</p> <p>Title: Quantifying the effect of quality control of taxonomic names in OBIS</p>
R:11	<p>Authors: F. J. Grassle, E. Vanden Berghe, M. Costello, and F. L. Silveira</p> <p>Title: The ocean biogeographic information system: past, present and future</p>
R:12	Not presented
R:13	<p>Authors: Valérie Harscoat, Emilie Leblond, Mickael Treguer, and Patrick Berthou</p> <p>Title: A GIS interface to the French Fisheries Information System of Ifremer</p>
R:14	<p>Authors: Tomaso Fortibuoni, Otello Giovanardi, Simone Libralato, Saša Raicevich, and Cosimo Solidoro</p> <p>Title: Integrating historical naturalists' descriptions and statistical-scientific data to describe changes in fish assemblages over the last two centuries in the Northern Adriatic Sea (Mediterranean)</p>
R:15	<p>Authors: M. Peña, S. Georgakarakos, and G. Boyra</p> <p>Title: Visualisation of the clustering of acoustic echotraces using Topology Preserving Mapping. Application to juvenile anchovy in the Bay of Biscay</p>
R:16	<p>Authors: Emilie Leblond, Patrick Berthou, Martial Laurans, Patrice Woerther, Loïc Quemener, and Thomas Loubrieu</p> <p>Title: The Recopesca project: a new example of participative approach to collect in-situ environmental and fisheries data using fisheries vessels of opportunity</p>

R:17	Authors: J. Hamel, S. Hurtubise, and B. Pelchat
	Title: Towards interoperability and cooperation for the sustainable management of the St. Lawrence ecosystem
R:18	Authors: Lars H. Stien, Trygve Gytte, Thomas Torgersen, Helge Sagen, and Tore Kristiansen
	Title: A system for online assessment of fish welfare in aquaculture
R:19	Authors: Bob Branton, Dan Ricard, and Peter Lawton
	Title: Three oceans of data management and beyond, a centre for marine biodiversity biew
R:20	Authors: Vincent Badts and Stéphanie Mahévas
	Title: Fishery data qualification : a procedure in progress at Ifremer
R:21	Authors: Daniel Ricard, Robert M. Branton, Don W. Clark, Stephen J. Smith, and Peter Hurley
	Title: Methods for preparation and validation of groundfish population indices based on Fisheries and Oceans Canada research vessel trawl survey data accessible from the Ocean Biogeographic Information System
R:22	Authors: P. M. Clement, R. Benjamin, and L. Paon
	Title: A data management strategy for multi instrument cruises
R:23	Authors: Tiffany C. Vance, Scott Cross, Bernard Megrey, Sharon Mesick, and Christopher Moore
	Title: GeoFish – visualization and analysis of particle tracking model output for fish and shellfish larvae
R:24	Authors: Barbara Berx, Sarah Hughes, and Hjalte Parner
	Title: Developing a surface and near-bed temperature and salinity climatology for the North-West European Shelf Seas
R:25	Authors: R. ter Hofstede and N. Daan
	Title: A proposal for a consistent use of the North Sea IBTS data
R:26	Authors: Teunis Jansen, Henrik Degel, Brian Cowan, Mads Dueholm, Ole Skov, Kirsten Håkansson, Josephine Egekvist, and Jørgen Dalskov
	Title: FishFrame 5.0: A web based datawarehouse application for management, access and integration of fisheries and stock assessment data

Posters

R:27	Authors: Devine, Laure and Caroline Lafleur
	Title: Quality Control of Bottle Data at Institut Maurice-Lamontagne (Department of Fisheries and Oceans Canada)
R:28	Author: Todd D. O'Brien
	Title: COPEPOD-QC: A visualization technique for the quality control of plankton data.
R:29	Authors: Todd D. O'Brien and Ned Cyr
	Title: NMFS-ECHO: A synthesis of baseline ecosystem conditions to facilitate ecological analyses and fisheries management
R:30	Author: Glenn Chamberlain
	Title: An assessment of sampling protocols, data assembly, and data integration in the Northeast
R:31	Authors: Riitta Olsonen, Riikka Hietala, Kimmo Tikka, Pekka Alenius, Juha-Markku Leppänen, and Mikko Virkkunen
	Title: A user-friendly web interface to marine data
R:32	Authors: Christian von Dorrien and Harry V. Strehlow
	Title: Visualising fishery research programmes in Europe
R:33	Authors: Uwe Böttcher and Christian von Dorrien

	Title: ODV – A tool to visualise and analyse fishing activities in the Baltic German EEZ
R:34	Authors: Bob Branton and Michael Murray
	Title: Data management development plan for the ocean tracking network
R:35	Authors: Kimmo Tikka, Riitta Olsonen, Riikka Hietala, and Pekka Alenius
	Title: An integrated system for marine data management and analysis
R:36	Withdrawn
R:37	Withdrawn
R:38	Withdrawn
R:39	Authors: Carlos Pinto, Hans Mose Jensen, and Marilyn Sørensen
	Title: ICES EcoSystemData - An integrated solution for ecosystem data
R:40	Authors: O.R. Godø, V. Hjellvik, K. Korsbrekke, and D. Tjøstheim
	Title: Minimalistic surveys – an answer to the ecosystem approach?
