

List of ICES CM 2009 document codes

Advisory Committee (ACOM)

ACOM:01	Advisory Committee [ACOM] December
ACOM:02	Arctic Fisheries Working Group [AFWG] April
ACOM:03	Herring Assessment Working Group for the Area South of 62°N [HAWG] March
ACOM:04	North-Western Working Group [NWWG] April/May
ACOM:05	Baltic Salmon and Trout Assessment Working Group [WGBAST] March
ACOM:06 Ref. DFC	Working Group on North Atlantic Salmon [WGNAS] March/April
ACOM:07	Baltic Fisheries Assessment Working Group [WGBFAS] April
ACOM:08	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrin [WGHMM] May
ACOM:09	Working Group for the Celtic Seas Ecoregion [WGCSE] May
ACOM:10	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak [WGNSSK] May
ACOM:11	Joint NAFO/ICES Pandalus Assessment Working Group [NIPAG] October
ACOM:12	Working Group on Widely Distributed Stocks [WGWIDE] September
ACOM:13	Working Group on Anchovy and Sardine [WGANSA] June
ACOM:14	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources [WGDEEP] March
ACOM:15 Ref. DFC	Joint EIFAC/ICES Working Group on Eels [WGEEL] September
ACOM:16	Working Group Elasmobranch Fishes [WGEF] June
ACOM:17	Working Group on Harp and Hooded Seals (WGHARP) August
ACOM:18 Ref. LRC	Working Group on Assessment of New MoU Species [WGNEW]
ACOM:19	Fishery Statistics Liaison Working Group [WGSTAL] June
ACOM:20	Working Group on Ecosystem Effects of Fishing Activities [WGECO] April
ACOM:21	Working Group on Marine Mammal Ecology [WGMME] February
ACOM:22	Study Group for Bycatch of Protected Species [SGBYC] January
ACOM:23	ICES-NAFO Working Group on Deepwater Ecology [WGDEC] March
ACOM:24	ICES/IOC/IMO Working Group on Ballast and other Ship Vectors [WGBOSV] March
ACOM:25	Working Group on Introduction and Transfers of Marine Organisms [WGITMO] March
ACOM:26	Annual Meeting of Advisory Working Group Chairs [WGCHAIRS] January
ACOM:27	Joint STECF/ICES Workshop on Operational Approach of Management Strategy Evaluations [WKOMSE] January
ACOM:28	Workshop on Anglerfish and Megrin [WKAGME] February
ACOM:29	Workshop for the Exploration of the Dynamics of Fish Stocks in Poor Conditions [WKPOOR]
ACOM:30	Study Group on Integrated Monitoring of Contaminants and Biological Effects [SGIMC] January
ACOM:31	Benchmark Workshop on Flatfish [WKFLAT] February
ACOM:32	Benchmark Workshop on Roundfish [WKROUND] January
ACOM:33	Benchmark Workshop on Nephrops, with UWTV surveys [WKNEPH] (March)
ACOM:34	Benchmark Workshop on Short-lived species [WKSHORT] August/September
ACOM:35	MICC March
ACOM:36	MIRAC January
ACOM:37	Study Group on Redfish Stock Structure [WKREDS] January

ACOM:38	Workshop on Multi-annual management of Pelagic Fish Stocks in the Baltic [WKMAMPEL] February
ACOM:39	Planning Group on Commercial Catches, Discards and Biological Sampling [PGCCDBS] March
ACOM:40 Ref. PGCCDBS	Workshop on Methods to evaluate and estimate the precision of fisheries data used for assessment [WKPRECISE] September
ACOM:41 Ref. PGCCDBS	Workshop on Sampling Methods for Recreational Fisheries [WKSMRF] April
ACOM:42 Ref. PGCCDBS	Workshop on Age estimation of European hake [WKAEH] November
ACOM:43 Ref. PGCCDBS	Workshop on Age reading of European anchovy [WKARA] November
ACOM:44 Ref. PGCCDBS	Workshop on Age reading of Red mullet <i>Mullus barbatus</i> and Striped mullet <i>Mullus surmuletus</i> [WKACM] March/April
ACOM:45	Workshop on Sexual Maturity Staging of sole, plaice, dab and flounder [WKMSSPDF] November
ACOM:46	Workshop on crustaceans (<i>Aristeus antennatus</i> , <i>Aristaeomorpha foliacea</i> , <i>Parapenaeus longirostris</i> , <i>Nephrops norvegicus</i>) maturity stages [WKMSC] October
ACOM:47	Workshop on Mixed Fisheries Advice for the North Sea [WKMIXFISH] August
ACOM:48	Workshop on Age Reading of European and American Eel [WKAREA] April

Science Committee (SCICOM)

SciCom:01 Ref. Del	Science Committee [SciCom] January
SciCom:02 Ref. Del	Science Committee [SciCom] May
SciCom:03	Working Group on Data and Information Management [WGDIM]
SciCom:04 Ref. Bureau	Steering Group on Climate Change [SGCC]
SciCom:05	Transition Group on ICES Publications [TGIP]

Baltic Committee (BCC)

BCC:01 Ref. ACOM	Study Group for the Development of Integrated Monitoring and Assessment of Ecosystem Health in the Baltic Sea [SGEH]
BCC:02	ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea [WGIAB]
BCC:03	Workshop on Combining Climatic Scenarios and Medium-Term Predictions for Baltic Herring and Sprat stocks [WKCSMPB]
BCC:04	Transition Group of Integration Activities in the Baltic [TGBALT]
BCC:05	Study Group on Baltic Sea Productivity [SGPROD]

Diadromous Fish Committee (DFC)

DFC:01 Ref. SCICOM	Transition Group on the Science Requirements to Support Conservation, Restoration and Management of Diadromous Species [TGRECORDS]
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DFC:02 Ref. WGNAS, ACOM, TGRECORDS, SCICOM	Study Group on Biological Characteristics as Predictors of Salmon Abundance [SGBICEPS]
DFC:03 Ref. WGBAST, ACOM, SCICOM, TGRECORDS	Study Group on Data Requirements and Assessment Needs for Baltic Sea Trout [SGBALANST]
DFC:04 Ref. WGNAS, ACOM, TGRECORDS, SCICOM	Study Group on Salmon Stock Assessment and Forecasting [SGSSAFE]
DFC:05 Ref. WGNAS, TGRECORDS, SCICOM	Workshop on Learning from Salmon Tagging Records [WKLUSTRE]
DFC:06 Ref. WGEEL, ACOM, TGRECORDS, SCICOM	Study Group on Anguillid Eels in Saline Waters [SGAESAW]
DFC:07 Ref. SCICOM, TGRECORDS	Study Group on Salmon Age Determination [SGSAD]

Fisheries Technology Committee (FTC)

FTC:01	Working Group on Fisheries Acoustic Science and Technology [WGFAST]
FTC:02	Joint Workshop of the ICES-FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB] and the Working Group on Fisheries Acoustics Science and Technology [WGFAST] – [JFATB]
FTC:03	Study Group on Fisheries Optical Technologies [SGFOT]
FTC:04	Study Group on Fish Avoidance to Research Vessels [SGFARV]
FTC:05	Study Group on Turned 90° Codend Selectivity, focusing on Baltic Cod Selectivity [SGTCOD] (
FTC:06	ICES–FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB]
FTC:07	Working Group on Quantifying all Fishing Mortality [WGQAF]
FTC:08 Ref. WGFAST	Planning Group on the HAC Data Exchange Format [PGHAC]
FTC:09	Study Group on Survey Trawl Standardisation [SGSTS]
FTC:10	Study Group on the Development of Fish Pots for Commercial Fisheries and Survey Purposes [SGPOT]
FTC:11	Study Group on combining gear parameters into effort and capacity metrics [SGEM]
FTC:12	Transition Group for Technology Expert Group Coordination and Planning [TGTECH]

Living Resources Committee (LRC)

LRC:01 Ref. TGISUR	Planning Group on North Sea Cod and Plaice Egg Surveys in the North Sea [PGEGBS]
LRC:02 Ref. TGISUR,	Planning Group of International Pelagic Surveys [PGIPS]

HAWG	
LRC:03 Ref. TGISUR, ACOM	Planning Group on the North-east Atlantic continental slope survey [PGNEACS]
LRC:04 Ref. TGISUR	Working Group on Beam Trawl Surveys [WGBEAM]
LRC:05 Ref. TGISUR, ACOM	Baltic International Fish Survey Working Group [WGBIFS]
LRC:06	Working Group on Cephalopod Life History and Fisheries [WGCEPH]
LRC:07	Working Group on Crangon Fisheries and Life History [WGCRAN]
LRC:08 Ref. SGCC, ACOM	Working Group on Fish Ecology [WGFE]
LRC:09 TGISUR	Working Group on Mackerel and Horse Mackerel Egg Surveys [WGMEGS]
LRC:10 Ref. ACOM	Working Group on Seabird Ecology [WGSE]
LRC:11	ICES/GLOBEC Working Group on Life Cycle and Ecology of Small Pelagic Fish [WGLESP]
LRC:12	Stock Identification Methods Working Group [SIMWG]
LRC:13 Ref. TGISUR, WGWIDE	Workshop on Mackerel and Horse mackerel egg staging and identification [WKMHMES] October & November December (<i>only one Report</i>)
LRC:14 Ref. TGISUR	Workshop on the Identification of Ichthyoplankton, especially Clupeid Larvae [WKIDCL]
LRC:15 Ref. TGISUR	Study Group on Nephrops Surveys [SGNEPS]
LRC:16 Ref. TGISUR	Workshop on Edge Effects in Nephrops Surveys [WKNepEdge]
LRC:17	Working Group on the Biology and Life History of Crabs [WGCRAB]
LRC:18	Transition-Group on Integrating Surveys for the Ecosystem Approach [TGISUR]
LRC:19	Transition-Group on Holistic Ecosystem Assessments and Diagnostics [TGHEAD]
LRC:20 Ref SCICOM	Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES Areas VIII and IX [WGACEGG]
LRC:21, Ref. TGISUR	Planning Group on North Sea Cod and Plaice Egg Surveys in the North Sea [PGEGGS]

Mariculture Committee (MCC)

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

Marine Habitat Committee (MHC)

MHC:01 Ref. BEWG	Workshop on Climate related Benthic Processes in the North Sea [WKCBNS]
MHC:02 Ref. ACOM	Working Group on Marine Sediments in Relation to Pollution [WGMS]
MHC:03 Ref. ACOM	Marine Chemistry Working Group [MCWG]
MHC:04 Ref. ACOM	Working Group on Biological Effects of Contaminants [WGBEC]
MHC:05 Ref. BEWG, ACOM	Study Group on Biodiversity Science [SGBIODIV]
MHC:06 Ref. ACOM	Working Group on Integrated Coastal Zone Management [WGICZM]
MHC:07 Ref. ACOM	Working Group on Marine Habitat Mapping [WGMHM]
MHC:08	Benthos Ecology Working Group [BEWG]
MHC:09 Ref. ACOM	Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem [WGEXT]

Oceanography Committee (OCC)

OCC:01 Ref. ACOM	Working Group on Zooplankton Ecology [WGZE]
OCC:02	Working Group on Modelling Physical Biological Interactions [WGPBI]
OCC:03	Working Group on Operational oceanographic products for fisheries and environment [WGOOFE]
OCC:04 Ref. ACOM	Working Group on Oceanic Hydrography [WGOH]
OCC:05	ICES-IOC Working Group on Harmful Algal Bloom Dynamics [WGHABD]
OCC:06	ICES GOOS Steering Group [IGSG]
OCC:07	Working Group on Recruitment Processes [WGRP]
OCC:08	Joint PICES/ICES Working Group on Forecasting Climate Change Impacts on Fish and Shellfish [WGFCCIFS]
OCC:09	ICES/GLOBEC Working Group on Cod and Climate Change [WGCCC]
OCC:10	Working Group on Operational oceanographic products for fisheries and environment [WGOOFE]

For 2010

OCC:01	Workshop on Understanding and quantifying mortality in fish early - life stages: experiments, observations and models [WKMOR]
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Resource Management Committee (RMC)

RMC:01 Ref. ACOM	Planning Group on Redfish Surveys [PGRS] (January meeting)
RMC:02 Ref. PGNAPES	PGNAPES Scrutiny of Echograms Workshop [WKECHOSCRU]

RMC:03 Ref. ACOM	Study Group on Fisheries Induced Adaptive Change [SGFIAC]
RMC:04	International Bottom Trawl Survey Working Group [IBTSWG]
RMC:05 Ref. ACOM	Planning Group on Redfish Surveys [PGRS] (July meeting)
RMC:06	Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys [PGNAPES]
RMC:07	Study Group on the History of Fish and Fisheries [SGHIST] August
RMC:08 Ref. ACOM	Planning Group on Redfish Surveys [PGRS] (September meeting)
RMC:09 Ref. ACOM	Workshop on Blue Whiting Recruitment [WKBLUR]
RMC:10 Ref. ACOM	Working Group on Multispecies Assessment Methods [WGSAM]
RMC:11	Working Group on Fishery Systems [WGFS]
RMC:12	Working Group on Methods of Fish Stock Assessments [WGMG]
RMC:13	Working Group on Holistic Assessments of Regional Marine Ecosystems [WGHAME]
RMC:14	Study Group on Risk Assessment and Management Advice [SGRAMA]
RMC:15	Study Group on the evaluation of assessment and management strategies of the western herring stocks [SGHERWAY]

List of accepted titles to the 2009 ASC

The presentations will not always be made in this order in the programme.

Theme Session A

Biochemical, biogeochemical, and molecular approaches to the study of plankton ecology and species diversity

Conveners: Steve Hay (UK), Janna Peters (Germany), and Ann Bucklin (USA)

Papers/Oral presentations

Code	Author(s) and title
A:01	Authors: Leocadio Blanco Bercial, Lisa M. Nigro, and Ann Bucklin Title: How many genes? Optimizing the molecular phylogeny of calanoid copepods
A:02	Withdrawn
A:03	Authors: Ebru Unal, Petra Lenz, David Towle, and Ann Bucklin Title: Gene expression patterns of the copepod <i>Calanus finmarchicus</i> in the Gulf of Maine (Northwest Atlantic Ocean)
A:04	Withdrawn
A:05	Authors: Ann Bucklin, Leocadio Blanco Bercial, Brian D. Ortman, Lisa M. Nigro, and Nancy J. Copley Title: DNA barcoding of North Atlantic zooplankton: applications for rapid analysis of marine diversity and ecosystem function
A:06	Authors: Katja Metfies, Sonja Diercks, Thomas Hanken, Wilhelm Petersen, and Friedhelm Schröder Title: Molecular Sensors and the FerryBox-System – Keys to High Resolution Monitoring of Marine Phytoplankton
A:07	Authors: Gesche Winkler Title: Secondary contact of two sibling species of <i>Eurytemora affinis</i> : distribution, diversity and trophic role in the St. Lawrence estuarine transition zone
A:08	Authors: Hildur Petursdottir and Astthor Gislason Title: Trophic interactions and energy flow within the pelagic ecosystem in the Iceland Sea
A:09	Authors: Thea Linke, Janna Peters, Luke Twomey, Mike StJohn, and Ian Potter Title: Trophic interactions in two estuaries with differing hydrological regimes in south-western Australia
A:10	Authors: Silke Laakmann, Marc Kochzius, and Holger Auel Title: Co-existence in the pelagic deep sea: mechanisms of spatial and trophic niche separation
A:11	Authors: Lutz Postel, Javier Aristegui, Santiago Hernández-Leon, May Gómez, Carlos Almeida, Agustin Portillo-Hahnefeld, Maria F. Montero and Theodore T. Packar Title: Seasonal variability in plankton community structure, productivity and food web transfer along the salinity gradient of the Baltic Sea
A:12	Authors: E. Bresnan, C. Collins, E. Turrell, A-L Amorim, J-P Lacaze, L. Brown, J. Graham, and A. Koryzinska Title: The dinoflagellate genus <i>Alexandrium</i> (Halim) in Scottish waters: A combined approach to assess diversity, toxin production and response to environmental variables
A:13	Withdrawn

A:14	Authors: Rui Rosa, Liliana Gonzalez, Bernardo Broitman, Susana Garrido, A. Miguel Santos, and Maria L. Nunes
	Title: Biochemical ecology of small pelagic fishes: the linkage between environment and fisheries
A:15	Authors: Tobias Kreibich, Reinhard Saborowski, Wilhelm Hagen, and Barbara Niehoff
	Title: Influence of short-term nutritional variations on digestive enzyme and fatty acid patterns of the calanoid copepod <i>Temora longicornis</i>
A:16	Authors: Laura Würzberg, Janna Peters, Enrico Schwabe, Svetlana Rodkina, and Angelika Brandt
	Title: Pteropods (Gastropoda: Opisthobranchia) in the Southern Ocean: First results from fatty acid and stable isotope analyses on the SYSTCO material
A:17	Authors: Susana Garrido, Rui Rosa, Radhouan Ben-Hamadou, Maria Emilia Cunha, Maria Alexandra Chicharo, and Carl D. van der Lingen
	Title: Fatty acid biomarkers of Iberian sardine diet
A:18	Authors: Barbara Niehoff, Tobias Kreibich, Heidi Blank, Viviane Brüll, Pamela Ohlf, Wilhelm Hagen
	Title: The response of <i>Centropages typicus</i> to changing food conditions: results from time series sampling and laboratory experiments
A:19	Authors: S. B. Schnack-Schiel, H. Kennedy, J. Michels, H. Mütze, A. Cornils, and D. N. Thomas
	Title: Trophic relationships among zooplankton in the Weddell Sea with special emphasis on copepods.
Posters	
A:20	Authors: A. Hedayati, V. Yavari, and T. Bagheri
	Title: A General Survey on Planktons in Southern Area of Caspian Sea
A:21	Authors: Annika Wiebring, Heike Helmholz, Stephan Lassen, Andreas Prange, and Gerhard Jarms
	Title: Analysis and separation of different types of nematocysts from <i>Cyanea capillata</i> and mass spectrometry of capsule contents
A:22	Withdrawn
A:23	Authors: Heike Helmholz, Stephan Lassen, Christiane Ruhnu, and Andreas Prange
	Title: Toxicological and biochemical characterization of northern scyphozoan species
A:24	Authors: Lona Batta, Gabriela Paola, Ann Bucklin, and Peter Wiebe
	Title: Environmental genomics of <i>Salpa thompsoni</i> : searching for molecular indicators of adaptation and bloom formation
A:25	Authors: J. Cruz, A. M. Chicharo, S. Garrido, R. Ben-Hamadou, L. Chicharo, P. Ré, and A. M. P Santos
	Title: Temporal and spatial variation of egg production, RNA:DNA ratio and fatty acids composition of the calanoid copepod <i>Acartia clausi</i> in the Gulf of Cadiz
A:26	Authors: Tobias Kreibich and Reinhard Saborowski
	Title: Sensitive assays for studying digestive enzymes in individual copepods
A:27	Authors: Inmaculada Herrera-Rivero and Santiago Hernández-León
	Title: Aminoacyl-tRNA synthetases (AARS) and RNA:DNA methods like as index of <i>in situ</i> growth rate for Atlantic herring larvae

Theme Session B

Beyond geolocation: Inferring and explaining the behavior of tagged fish

Conveners: Uffe Høgsbro Thygesen (Denmark) and Molly Lutcavage (USA)

Papers/Oral presentations

Code	Author(s) and title
B:01	Authors: Timothy B. Grabowski, Vilhjálmur Thorsteinsson, and Guðrún Marteinsdóttir Title: Assessing the lekking hypothesis for the mating system of Atlantic cod <i>Gadus morhua</i> using electronic data storage tags
B:02	Authors: Judith Brown, Paul Brickle and Alexander Arkhipkin Title: Initial results of satellite linked archival tagging in the Patagonian toothfish (<i>Dissostichus eleginoides</i> Smitt, 1898) around the Falkland Islands.
B:03	Authors: Martin Wæver Pedersen, Toby Patterson, and Uffe Høgsbro Thygesen Title: Estimating spatially and temporally dependent behaviour switching of tagged marine animals
B:04	Authors: J. D. Metcalfe, R. P. Wilson, O.S. Kjesbu, M. J. Challiss A. Gleiss, J. E. Skjæraasen and S. Clarke Title: From “where” and “when” to “what” and “why”: archival tags for monitoring “complex” behaviours in fish
B:05	Authors: Johannes Sturlaugsson, Sigmar Gudbjornsson, and Hagen Stockhausen Title: Orientation of homing Atlantic salmon (<i>Salmo salar</i> L.) mapped in relation to geomagnetic field
B:06	Authors: Eric D. Prince, Jiangang Luo, C. Phillip Goodyear, John P. Hoolihan, Derke Snodgrass, Eric S. Orbesen, Joe E. Serafy, Mauricio Ortiz, and Michael Schi Title: Ocean Scale Hypoxia Based Habitat Compression of Atlantic Istiophorid Billfishes
B:07	Authors: Toby Patterson, Mark Bravington Mark Hindell Martin Biuw Mike Fedak, and Christophe Guinet Title: Lessons from a global-scale behavioural analysis of air-breathing data sets: What you can do when you know where you are.
B:08	Authors: Stefan Neuenfeldt, Uffe Høgsbro Thygesen, and Jane Windfeldt Behrens Title: Adaptive behaviour of Baltic cod feeding in hypoxic water
B:09	Authors: Junita D. Karlsen, Hans J. Olesen, and Niels G. Andersen Title: Behaviour of large Atlantic cod at ship wrecks and similar rough bottom structures in the north-eastern part of the central North Sea
B:10	Authors: Sam Subbey and Cathrine Michalsen Title: A Comparative Analysis of the Vertical Dynamics of Cod (<i>Gadus morhua</i>) in Four Different Ecosystems Using Data from DSTs.
B:11	Authors: François Royer, Philippe Gaspar, Beatriz Calmettes, Inna Senina, and Patrick Lehodey Title: Inferring pattern from tagging surveys: how to merge heterogeneous datasets
B:12	Authors: David Righton, Victoria Bendall, Colin Bannister, and Julian Metcalfe Title: Understanding the ecology of Atlantic cod (<i>Gadus morhua</i>) stocks in UK waters: the benefits of archival tagging programmes
B:13	Withdrawn
B:14	Authors: Benjamin Galuardi, François Royer, and Molly Lutcavage Title: Linking oceanography and bluefin tuna movements in the Northwest Atlantic

Posters

B:15	Authors: Ronan Cosgrove, Igor Arregi, Deirdre Brophy, Haritz Arrizabalaga, Victoria Ortiz de Zarate, and Nigel Griffin Title: Simulated archival tagging program of albacore tuna (<i>Thunnus alalunga</i>) in the North East Atlantic including an analysis of factors affecting tag recovery
B:16	Authors: Greg DeCelles and Steven Cadrin Title: Movement patterns of winter flounder in the southern Gulf of Maine
B:17	Withdrawn
B:18	Withdrawn
B:19	Authors: Hagen Stockhausen and Sigmar Guðbjörnsson Title: The earth's geomagnetic field and geolocation of fish: first results of a new approach
B:20	Authors: D. Baganz, H. U. Balzer, O. Jauernig, and G. Staaks Title: From signals to pattern: a new system reflecting environment in fish behaviour by assessed multiple parameters and pattern analysis
B:21	Authors: David March and Jacopo Aguzzi Title: Diel behavioural rhythms of the painted comber (<i>Serranus scriba</i>) at Palma Bay Marine Reserve (western Mediterranean)
B:22	Authors: Jane Windfeldt Behrens, Uffe Høgsbro Thygesen, and Stefan Neuenfeldt Title: Using biotelemetry to investigate cardiovascular tradeoffs in cod feeding under hypoxic conditions
B:23	Authors: Annette Scheffer, Philip N. Trathan, and Charles-André Bost Title: Scale-dependent foraging movements of a long-ranging diving predator in relation to the marine environment
B:24	Authors: Chi H. Lam, Vardis M. Tsonos, and Dale A. Kiefer Title: Wavelet analysis of archival tag time series data
B:25	Authors: Timothy B. Grabowski, Vilhjálmur Thorsteinsson, and Guðrún Marteinsdóttir Title: Evidence of reproductive isolation among ecologically and behaviorally distinct populations of Atlantic cod
B:26	Authors: David Righton <i>et al.</i> Title: Life in the big blue box: studying the marine life of European eels

Theme Session C

Advances in marine ecosystem research: what we have learned from GLOBEC and what we can carry forward in future climate related programs

Conveners: Geir Ottersen (Norway), Keith Brander (Denmark), and Mike Fogarty (USA)

Papers/Oral presentations

Code	Author(s) and title
C:01	Authors: Martin Lindegren, Christian Möllmann, Anders Nielsen, Keith Brander, Brian and MacKenzie

	Title: Ecological Forecasting under Climate Change – the case of Baltic cod
C:02	Authors: Ray Hilborn, Boris Worm <i>et al.</i>
	Title: Comparative changes in fish communities in marine ecosystems
C:03	Authors: Kai Wieland and Holger Hovgård
	Title: Cod versus shrimp dominance in West Greenland water: Can climate change reverse the regime shift from a cod to a shrimp dominated ecosystem?
C:04	Authors: Irene Mantzouni and Brian R. MacKenzie
	Title: Why is haddock overtaking cod? Comparing the effects of temperature and habitat size on recruitment dynamics of both species across the N Atlantic
C:05	Authors: A. A. Filin
	Title: Changes in cod management strategy that have resulted from warming scenarios for the Barents Sea
C:06	Authors: M. Hidalgo, Y. Gusdal, G. E. Dingsør, L. Ciannelli, D. Hjermann, G. Ottersen, L. C. Stige, I. Fossum, A. Melsom, and N. C. Stenseth
	Title: Combining hydrographical particles-tracking models with spatial analyses to evaluate spatial dynamics of cod larvae and 0-group in the Barents Sea
C:07	Authors: D. Ø. Hjermann, B. Bogstad, G. E. Dingsør, H. Gjøsæter, G. Ottersen, A. M. Eikeset, and N. C. Stenseth
	Title: Trophic interactions affecting a key ecosystem component: a multi-stage analysis of the recruitment of the Barents Sea capelin
C:08	Authors: Geir Ottersen, Esben M. Olsen, and Nils Chr. Stenseth
	Title: Enhancing stock-recruitment models for North Sea cod by including climate and zooplankton
C:09	Authors: Charles A. Stock and John P. Dunne
	Title: Controls on the ratio of mesozooplankton production to primary production in marine ecosystems
C:10	Authors: Jonna Tomkiewicz, Josianne G. Støttrup, Charlotte Jacobsen, Maria C. Røjbek, and Fritz Köster
	Title: Influence of lipids and fatty acid composition in Eastern Baltic cod (<i>Gadus morhua</i> L.) and its prey with emphasis on the timing of maturation and spawning
Posters	
C:11	Authors: Kyungmi Jung, Svein Sundby, Anders Thorsen, Arild Folkvord, and Olav Sigurd Kjesbu
	Title: Bio-physical properties of Norwegian coastal cod eggs from different local populations

Theme Session D

Trends in chlorophyll and primary production in a warmer North Atlantic

Conveners: Antonio Bode (Spain), Jon Hare (USA), and Luis Valdés (IOC, UNESCO)

Papers/Oral presentations

Code	Author(s) and title
ICES	

D:01	Authors: Sarah L. Hughes, N. Penny Holliday, Eugene Colbourne, Vladimir Ozhigin, Hedinn Valdimarsson, Svein Østerhus, and Karen Wiltshire
	Title: Comparison of <i>in situ</i> time-series of temperature with gridded sea surface temperature datasets in the North Atlantic
D:02	Authors: William Li
	Title: Coherent change in multiyear trends of chlorophyll and bacterioplankton
D:03	Authors: Xosé Anxelu G. Morán, Ángel López-Urrutia, William K.W. Li and Alejandra Calvo-Díaz Xosé Anxelu G. Morán, Ángel López-Urrutia, William K.W. Li
	Title: Changes in phytoplankton size-structure with warming in the temperate North Atlantic
D:04	Authors: K. J. W. Hyde, J. E. O'Reilly, M. H. Taylor, J. A. Hare, and M. J. Fogarty
	Title: Multi-decadal analysis of phytoplankton biomass and production in the northeast U.S. continental shelf Large Marine Ecosystem
D:05	Authors: J. Hare, K. J. W. Hyde, O. Schofield, J. E. O'Reilly, and J. Jossi
	Title: Long-term trends in Phytoplankton color index in the northeast U.S. continental shelf ecosystem and short-term relationships with satellite derived chlorophyll estimates
D:06	Withdrawn
D:07	Authors: H. H. Debes, E. Gaard, B. Hansen, and H. Hátún
	Title: Changes in phytoplankton biomass during a period of significant warming in the south-western Norwegian Sea
D:08	Authors: Sergey Aleksandrov
	Title: Primary production and chlorophyll concentration in the Baltic Sea
D:09	Authors: M. H. Schlüter, A. Merico, A. Kraberg, and K. H. Wiltshire
	Title: Changes in seasonal diatom succession and their possible causes at Helgoland Roads
D:10	Authors: Y. Sagarmínaga
	Title: Evolution (1998-2008) of early spring blooms in offshore waters within the Bay of Biscay and its relationship with sea surface temperature trends.
D:11	Authors: M. Revilla, A. Borja, G. Chust, A. Fontán, J. Franco, M. González, and V. Valencia
	Title: A two-decade record of temperature and chlorophyll in surface waters within the Basque Country (southeastern Bay of Biscay)
D:12	Authors: Oleg Titov
	Title: Trends in oxygen saturation of near-bottom layers in the Barents Sea: a possible indicator of long-term variations in the primary production?
Posters	
D:13	Authors: Antonio Bode <i>et al.</i>
	Title: Year-to-year variability in inorganic nutrients, primary production and phytoplankton biomass off NW Spain from 1990 to 2007
D:14	Authors: Fernando González and Ricardo Anadón
	Title: Changes in the timing of the North Atlantic Spring Phytoplankton Bloom during the last decade
D:15	Authors: A. P. Oliveira, L. Cabeçadas, and T. Pilar-Fonseca
	Title: Links between phytoplankton, CO ₂ emissions and water properties: a case study in Portuguese coastal waters

Theme Session E
Climate impacts on marine fishes:
discovering centennial patterns and disentangling
current processes

Conveners: Brian MacKenzie (Denmark), Corinna Schrum (Norway), Myron A. Peck (Germany), and Skip McKinnell (PICES)

Papers/Oral presentations

Code	Author(s) and title
E:01	Authors: Kenneth Sherman, Kevin D. Friedland, Jay O'Reilly, Kimberly Hyde, and Igor M. Belkin Title: Accelerated Warming and Emergent Trends in Fisheries Biomass Yields of the World's Large Marine Ecosystems
E:02	Authors: R. van Hal, F. Stuke, I. Tulp, and A. D. Rijnsdorp Title: Climate induced changes in the growth rate of flatfish species in the North Sea by means of food competition.
E:03	Authors: T. Kristiansen, K. Drinkwater, and J. Zavala-Garay Title: Analyzing warm and cold climate phases to understand differences in survival and connectivity of larval cod: possible implications for climate change
E:04	Authors: Rudi Voss, Christoph Petereit, and Hans-Harald Hinrichsen Title: The spatial dimension of climate-driven temperature change in the Baltic Sea
E:05	Authors: B. N. Kotenev, V. P. Serebryakov, M. V. Bondarenko, and A. D. Morozov Title: Climatic impact on Northeast Arctic cod year-class strength: relevance of the Ricker and Beverton-Holt models for determination "recruitment-stock" dependence
E:06	Authors: Hinrichsen, Huwer, Makarchouk, Neuenfeldt, Petereit, Schaber, and Voss Title: Climate driven long-term evolution of oxygen concentration in the Baltic Sea: potential consequences for the Baltic cod stock
E:07	Authors: E. M. Karasiova, G. Kraus, and R. Voss Title: Long-term fluctuations of Baltic cod egg production in relation to major inflow events
E:08	Authors: Martin Huret, Pierre Petitgas, and Fabien Léger Title: Potential responses of anchovy (<i>Engraulis encrasicolus</i>) larval dispersal to climate change in the Bay of Biscay
E:09	Authors: Marc Hufnagl, Myron A. Peck, Mark Dickey-Collas, Richard D.M. Nash, Thomas Pohlmann Title: Climate-driven changes in the recruitment of North Sea herring: Bottom-up control on the survival of early life stages identified using a biophysical individual-based model
E:10	Authors: Ángela M. Caballero-Alfonso, A. Trujillo-Santana, U. Ganzedo-López, A. Santana del Pino, and J. J. Castro-Hernández Title: Do climate patterns explain by themselves the oscillations observed for the Bluefin tuna (<i>Thunnus thynnus</i>) at the Western Mediterranean 'almadrabas' traps catches since 1500s to 1960s?
E:11	Authors: A. F. Sell, S. Ehrich, V. Stelzenmüller, and G. Wegner Title: Regional effects of climate change on North Sea bottom fish assemblages
E:12	Authors: Brian R. MacKenzie and Bo Poulsen Title: Fishing and jellyfish eradicate fish 180 years ago

E:13	Withdrawn
E:14	Authors: Jaime Otero, Arne J. Jensen, Jan Henning L'Abée-Lund, Nils Chr. Stenseth, Geir O. Storvik, and Leif Asbjørn Vøllestad Title: Factors affecting year-to-year and within river variability of one-sea winter Atlantic salmon in Norwegian rivers
E:15	Authors: S. P. Melnikov, A. L. Karsakov, V. I. Popov, V. L. Tretyak, and I. S. Tretyakov Title: The impact of variations in oceanographic conditions on distribution, aggregation structure and fishery pattern of redfish (<i>Sebastes mentella</i> Travin) in the pelagial of the Irminger Sea and adjacent waters
E:16	Authors: Marta Moyano, Jose María Rodríguez, and Santiago Hernández-León Title: Clupeoid fish in the Canaries-African Coastal Transition Zone: Transport Dynamics and Links to Climate
E:17	Authors: Thomas Brunel and Mark Dickey-Collas Title: Can we estimate the effects of temperature change on herring growth? A macro-ecological analysis of temperature and density-dependence on North Atlantic herring growth.
E:18	Authors: Ute Daewel, Corinna Schrum, and Myron Peck Title: Impact of environmental change on North Sea Atlantic cod (<i>Gadus morhua</i>): Scenario modeling in the North Sea
E:19	Authors: Mark R. Payne, Hjálmar Hátún, Asbjørn Christensen, and Jan Arge Jacobsen. Title: Recruitment in a changing environment: the role of oceanographic processes in Blue Whiting population dynamics
E:20	Authors: G. J. Pierce, M. B. Santos, J. M. Cabanas, I. Riveiro, and C. Porteiro Title: Are there climatic signals in fishery data for sardine (<i>Sardina pilchardus</i>) along the Iberian Atlantic coast?
E:21	Authors: M. Fossheim, E. Johannesen, R. Primicerio, and M. Aschan Title: Spatial variation and structural change of the Barents Sea fish community
E:22	Authors: Caroline Struski, Pierre Petitgas, and Martin Huret Title: Long-term hindcast and climate change forecast of habitat suitability using a bioenergetics model : anchovy in the Bay of Biscay and the North Sea.
E:23	Authors: Eydna í Homrum, Petur Steingrund, Lise H. Ofstad, and Hjálmar Hátún Title: Is the growth of Faroe Saithe density dependent or climate dependent?
E:24	Authors: John K. Pinnegar, Steven Mackinson, and Georg H. Engelhard Title: Back to the Future: 115 years of climate and fisheries in the North Sea
E:25	Authors: Pierre Petitgas, Martin Huret, Fabien Léger, Myron Peck, and Adriaan Rijnsdorp Title: Summarising with Multiple Factor Analysis (MFA) the seasonal and inter-annual variability in the long-term hindcasts of lower trophic ecosystem models: applications in the North Sea and Bay of Biscay.
E:26	Authors: Enrique Curchitser, Kenneth Rose, Kate Hedstrom, Jerome Fiechter, Shin-ichi Ito, Salvador Lluch-Cota, and Bernard Megrey Title: Development of a climate-to-fish-to-fishers model: progress, issues, and some solutions
E:27	Authors: Ginger L. Jahn and Elizabeth W. North Title: Do Striped Bass (<i>Morone saxatilis</i>) Spawn in Response to High River Flow Events?
E:28	Authors: H. Kim, H. J. Hwang, D. H. Kim, M. H. Sohn, J. B. Kim, K. H. Choi, and I. Yeon Title: Effect of Siberian High on the catch fluctuation of pacific cod, <i>Gadus macrocephalus</i> , in the Yellow Sea
E:29	Authors: Sean P. Powers, F. Joel Fodrie, Nicole Shaffer, Matthew W. Johnson, and Robert L. Shipp Title: Changes in growth rates of reef fish in the Gulf of Mexico: Evidence for climate change or overharvesting?

E:30	Authors: M. F. Borges
	Title: Fish production regime shifts in the West Iberia upwelling system and their relation to climate patterns: a review
E:31	Authors: Anna B. Neuheimer and Christopher T. Taggart
	Title: Climate and fishing: Disentangling factors affecting growth in Scotian shelf haddock (<i>Melanogrammus aeglefinus</i>).
Posters	
E:32	Authors: A. V. Dolgov, O. V. Smirnov, K. V. Drevetnyak, and O. Yu. Chetyrkina
	Title: New data on composition and structure of the Kara Sea ichthyofauna
E:33	Authors: Vladimir Laptikhovskiy and Alexander Arkhipkin
	Title: Environmental changes caused recent increase in abundance of rock cod, <i>Patagonotothen ramsayi</i> in the Southwest Atlantic
E:34	Authors: Yongjun Tian, Hideo Sakaji, Ken Watanabe, and Masahiro Kuno
	Title: Response of yellowtail <i>Seriola quinqueradiata</i> in the Japanese waters to sea water temperature over the last century and potential effect of global warming
E:35	Authors: Harald Loeng and Øystein Skagseth
	Title: The rise and fall of the blue whiting stock
E:36	Authors: D. L. Lajus, Ya. I. Alekseeva, Z. V. Dmitrieva, A. V. Kraikovskiy, and J. A. Lajus
	Title: Climate effect on populations of Atlantic salmon <i>Salmo salar</i> in the Barents and White Sea basins (17-20th cc.)
E:37	Authors: Maja Walter, Muriel-Marie Kroll, and Myron A. Peck
	Title: Larval Fish Growth Physiology and Climate Impacts: Species-specific differences in Thermal Tolerance
E:38	Authors: Myron A. Peck, Mark R. Payne, Ute Daewel, Marc Hufnagl, and Irina Alekseeva, and Corinna Schrum
	Title: Climate-driven changes in suitable habitats for North Sea fish: Physiological constraints on the survival of early life stages

Theme Session F

How does fishing alter marine population's and ecosystem's sensitivity to climate?

Conveners: Benjamin Planque (Norway) and Miguel Bernal (Spain)

Papers/Oral presentations

Code	Author(s) and title
F:01	Authors: Benjamin Planque and Miguel Bernal
	Title: How does fishing alter marine populations' and ecosystems' sensitivity to climate? – An introduction
F:02	Authors: S. Van der Zon, R. Van Hal, R. Hille Ris Lambers, T. Van Kooten, N. Hintzen, and A. D. Rijnsdorp
	Title: Modeling the competition for food by flatfish species in the North Sea under different temperature regimes and fishing pressures.
F:03	Authors: Anthony Charles

	Title: The Interaction of Fisheries and Climate Change: Socioeconomic and Management Perspectives
F:04	Authors: M. Hidalgo, T. Rouyer, E. Massutí, J. Moranta, B. Guijarro, and N.C. Stenseth
	Title: A shift in a hake (<i>Merluccius merluccius</i>) population of the NW Mediterranean induced by a combine effect of climate and fishery harvesting
F:05	Authors: M. Aschan, M. Fossheim, and R. Primicerio
	Title: Changes in the Barents Sea fish community induced by environmental change and fishery
F:06	Authors: Janet A. Nye and Jason S. Link
	Title: Temperature-modified stock-recruitment relationships for Northwest Atlantic fish stocks, a metapopulation approach
F:07	Authors: Sylvie Guénette, Didier Gascuel, and Stéphanie Mahévas
	Title: Considering the both fishing and climate in a model of the Celtic Sea and the Bay of Biscay: what do we learn?
F:08	Authors: Carlos Pinto, Hans Mose Jensen and Neil Holdsworth
	Title: ICES EcoSystemData – Delivering data and tools that facilitate the study of climate and fisheries exploitation interactions
F:09	Authors: Daan, Gislason, Pope, and Rice
	Title: A fishery-induced cause of regime shifts that does not require a change in environmental conditions

Theme Session G

Comparative study of climate impact on coastal and continental shelf ecosystems in the ICES area: assessment and management

Conveners: Jürgen Alheit (Germany); Stephen Brown (USA); and Ken Drinkwater, (Norway)
Papers/Oral presentations

Code	Author(s) and title
G:01	Authors: L. Bergström, A. Gårdmark, and J. Olsson Title: Integrated analyses of coastal ecosystems – addressing temporal trends in Baltic fish and zoobenthos
G:02	Authors: Ülo Suursaar, Robert Aps, Tiit Kullas, Georg Martin, and Mikko Otsmann Title: Developments in the shallow coastal ecosystem of the Väike Strait (Baltic Sea): a comparative study with different modelling scenarios
G:03	Authors: T. Blenckner, R. Diekmann, C. Möllmann, A. Gårdmark, M. Casini, L. Bergström, J. Flinkman, B. Müller-Karulis, M. Lindegren, G. Kornilovs, and M. Plikss Title: Climate-induced synchronous regime shifts along environmental and diversity gradients in Baltic Sea sub-systems
G:04	Authors: E. M. Karasiova Title: Cod populations in the eastern Baltic Sea and the White Sea: the environmental extremeness as a factor of two unique reproduction strategies formation
G:05	Authors: Jürgen Alheit <i>et al.</i> Title: Impact of climate variability on northern hemisphere marine ecosystems: regime shifts and teleconnection patterns
G:06	Authors: S. Niiranen, M. T. Tomczak, T. Blenckner, and O. Hjerne Title: Dynamics and regimes of the Baltic Proper food web, linking time series analysis with modelling
G:07	Authors: D. Christopher Melrose, Mark Berman, and Candace Oviatt Title: Ecological Effects of Climate Change on Narragansett Bay, RI
G:08	Authors: Stewart Frusher <i>et al.</i> Title: Managing marine ecosystem goods and services in a changing climate: a case study on the Tasmanian east coast lobster fishery
G:09	Authors: Ken Drinkwater, Franz Mueter, Kevin Friedland, George Hunt, Jon Hare, Cecilie Broms, Webjørn Melle, and Maureen Taylor Title: Ecosystem responses to recent climate variability: Comparison of 4 Northern Hemisphere regions
G:10	Authors: Jürgen Alheit Title: Impact of climate variability on pelagic food webs in European shelf systems, with a focus on trophic relations between zooplankton and small pelagic fish
G:11	Authors: V. Valencia, A. Borja, A. Fontán, N. Goikoetxea, and J. Sáenz Title: Recent climatic changes in the SE Bay of Biscay affecting pelagic and coastal ecosystems.
G:12	Withdrawn
G:13	Authors: Anda Ikauniece, Juris Aigars, Baiba Kalveka, Vadims Jermakovs, and Iveta Jurgensone Title: Ecosystem changes and possible management solutions in the shallow areas of the Eastern Baltic Sea – effort of Latvian KALME
G:14	Authors: Rabea Diekmann, Andrew Kenny, and Christian Möllmann Title: Comparative Integrated Ecosystem Assessments of the North Sea and Baltic Sea

G:15	Authors: Brian J. Rothschild, Changsheng Chen, Song Hu, Robert C. Beardsley, Yue Jiao, and Emily F. Keiley
	Title: Cod and Climate
Posters	
G:16	Authors: M. Tomczak, O. Hjerne, S. Niiranen, and T. Blenckner
	Title: Baltic food web model as a tool for holistic exploration of Baltic Sea system dynamics and integrated assessment
G:17	Authors: A. Pérez-Torres, F. Alemany, and P. Reglero
	Title: Environmental variability on the distribution, abundances and growth rates of the larvae of bullet tuna
G:18	Authors: I. González Herraiz, A. C. Fariña, M. P. Sampedro, M. A. Torres, and L. Cañas
	Title: Galician and Porcupine <i>Nephrops</i> fishery systems: a comparative from a climate induced changes perspective
G:19	Authors: David Kowalske Jr
	Title: Linking Fisheries to Climate Variability on Georges Bank

Theme Session H

What do fish learn in schools? Life cycle diversity within populations, mechanisms and consequences

Conveners: Dave Secor (USA), Pierre Petitgas (France), Ian McQuinn (Canada), and Steve Cadrin (USA)

Papers/Oral presentations

Code	Author(s) and title
H:01	Authors: Steve Cadrin, Matthias Bernreuther, Einar Hjörleifsson, Torild Johansen, Lisa Kerr, Kristjan Kristinnsson, Stefano Mariani, and Cristophe Pampoulie Title: Mechanisms and consequences of life cycle diversity of beaked redfish, <i>Sebastes mentella</i>
H:02	Authors: L. A. Kerr, S. X. Cadrin, and D. H. Secor Title: Consequences of spatial structure and connectivity to productivity and persistence of local and regional populations
H:03	Authors: Michael J. Wilberg, Brian J. Irwin, Michael L. Jones, and James R. Bence Title: Effects of Source-Sink Dynamics on Harvest Policy Performance for Yellow Perch in Southern Lake Michigan
H:04	Authors: Christopher Glass and Huseyin Ozbilgin Title: Fish escapement from fishing gears: the role of learning.
H:05	Authors: Mikael van Deurs, Christina Frisk, Asbjørn Christensen, and Henrik Mosegaard Title: Adaptive foraging behaviour and the role of the overwintering strategy
H:06	Authors: Julian Dodson, Nadia Aubin-Horth, Véronique Thériault, and David Paez Title: Sexual selection, resource polymorphism and the evolution of partial migration: lessons from anadromous salmonids

H:07	Authors: Daniel E Duplisea, Michael Frisk, and Verena Trenkel
	Title: Has cumulative habitat destruction and fragmentation caused systematic deviations from the expected interspecific occupancy-abundance relationship of the George's Bank fishes?
H:08	Authors: C. Harma, D. Brophy D, and M. Clarke
	Title: The long term Autumn-Spawning/Winter-Spawning component proportions in the Celtic Sea
H:09	Authors: Pierre Petitgas and Dave Secor
	Title: Mechanisms that sustain life cycle closure in space and time.
H:10 Poster	Authors: David H. Secor
	Title: An Update on Harden Jones' Migration Triangle
H:11	Authors: Geir Huse, Anders Fernö, and Jens Christian Holst
	Title: Establishment of new wintering areas in herring co-occur with peaks in recruit to spawner ratio
H:12	Authors: Jay R. Rooker, David H. Secor, R. David Wells, and Richard T. Kraus
	Title: Blue travelers: basin-scale connectivity of bluefin tuna and blue marlin in the American Mediterranean Blue travelers: basin-scale connectivity of bluefin tuna and blue marlin in the Ame
H:13	Authors: Grégory Charrier
	Title: Discrepancies between population genetic structure and adult migration patterns in cod (<i>Gadus morhua</i>) and whiting (<i>Merlangius merlangus</i>): evidences for entrainment ?
H:14	Authors: Graham D. Sherwood, Matthew J.S. Windle, Jonathan H. Grabowski, and George A. Rose
	Title: Could ecotype variation have stacked the deck for harvest selection in Newfoundland cod?
H:15	Authors: Jonathan H. Grabowski and Graham D. Sherwood
	Title: Atlantic cod (<i>Gadus morhua</i>) alternate life-history strategies in the Gulf of Maine
H:16	Authors: Alethea Barbaro <i>et al.</i>
	Title: Modelling and simulations of the migration of pelagic fish
H:24	Authors: Michael Sinclair, Robert Stephenson, Michael Power, and Iain Suthers
	Title: Persistent aggregation and retention of herring larvae in the Bay of Fundy

Posters

H:17	Authors: Sun-Do Hwang, Tae-Won Lee, and Il-Su Choi
	Title: Environmental factors affecting the daily catch levels of glass eels <i>Anguilla japonica</i> in the Geum-river estuary, Korea
H:18	Authors: Anna Kuparinen, Sakari Kuikka, and Juha Merilä
	Title: Phenotypic selectivity of fishing
H:19	Authors: B. J. McAdam, T. B. Grabowski, and G. Marteinsdottir
	Title: Morphological Markers and the Population Structure of Icelandic Cod
H:20	Authors: Svetlana Piyanova, Andrey Petrov, and Nikolay Kokorin
	Title: Assessment of ovary condition of Antarctic toothfish <i>Dissostichus mawsoni</i> (Nototheniidae) from the Ross Sea
H:21	Authors: Salvador Peraltilla, Ramiro Castillo, Luis Vásquez, and Andrés Chipollini
	Title: Characteristics schools of Peruvian anchovy during the summer months 2003 to 2008
H:22	Authors: Leonardo R. Castro <i>et al.</i>

	Title: Inner fjords and shelf break canyons: spawning habitats for the southern hake <i>Merluccius australis</i> and hoki <i>Macruronus magellanicus</i> in the Chilean Patagonia
H:23	Authors: Gloria Blanco; Agustín Fernández; Ian McCarthy, and José A. Sánchez,
	Title: Life-history strategies and environmental variation in Atlantic salmon (<i>Salmo salar</i>)

Theme Session I

Monitoring requirements, observation technologies and methods (e.g. acoustics) for pelagic organisms at local and basin scales for input into ecosystem based fisheries management assessments

Conveners: Olav Rune Godø (Norway), Verena Trenkel (France), and Martin Dorn (USA)

Papers/Oral presentations

Code	Author(s) and Title
I:01	Authors: Peter H. Wiebe, Dezhang Chu, Stein Kaartvedt, Anna Hölter, Webjørn Melle, Egil Ona, and Paola Batta-Lona. Title: Acoustic properties of <i>Salpa thompsoni</i>
I:02	Withdrawn
I:03	Authors: Alex De Robertis, Christopher D. Wilson, and Neal J. Williamson Title: Do silent ships see more fish? Comparison of acoustic backscatter recorded by a noise-reduced and a conventional research vessel in Alaska
I:04	Authors: Steven J. Barbeaux, John K. Horne, and Martin Dorn Title: Analyzing fish spatial and temporal distribution patterns using un-calibrated acoustic data from multiple vessels of opportunity
I:05	Authors: Härmä, Meri and Lappalainen, Antti Title: Sampling of herring larvae in shallow archipelago – are surface samples sufficient?
I:06	Withdrawn
I:07	Authors: Martin J. Cox and Andrew S. Brierley Title: Quantifying ecosystem variation using acoustic scattering layer observations
I:08	Authors: Mathieu Doray, Laurent Berger, and Verena Trenkel Title: Influence of beam-angle incidence on fish acoustic backscatter recorded with ME70 multibeam echosounders
I:09	Authors: Sven Gastauer, Sytse Ybema, Bram Couperus, and Cindy J. G. van Damme Title: Use of historical acoustic survey data to estimate the stock abundance of mackerel in the North Sea
I:10	Authors: J. H. Vølstad, S. Aanes, D. Skagen, and M. Pennington Title: Can scientific trawl surveys with reduced sampling effort for alternate years provide reliable estimates of trends in number at age for Northeast Arctic cod?
I:11	Authors: R. J. Kloser <i>et al.</i> Title: Monitoring requirements of mid-trophic organisms at large scales – potential and challenges—an Australian perspective.
I:12	Authors: Kristina Barz, Jan Schulz, and Hans-Jürgen Hirche

	Title: LOKI, a new optical system for high-resolution plankton investigations
I:13	Authors: S. Kasatkina and V.Ivanova
	Title: Modelling study of catchability properties of research and commercial trawls to identify sources of uncertainty in resource surveys indices
I:14	Authors: James Hamilton, Kate Collins, and Simon Prinsenber
	Title: Temporal variability in arctic zooplankton and phytoplankton populations from moored adcp and lcyler profiler measurements.
I:15	Authors: Youen Vermard, Etienne Rivot, Stéphanie Mahévas, Paul Marchal, and Didier Gascuel
	Title: Identifying fishing trip behavior and estimating fishing effort from VMS : strength and limitations of the Bayesian Hidden Markov Modeling approach
I:16	Authors: Espen Johnsen, Alf Harbitz, and Egil Ona
	Title: When acoustics is not enough – a measurement of sandeel availability
I:17	Authors: Jan Schulz, Kristina Barz, Hans-Jürgen Hirche, and Andree Lüdtkke
	Title: Machine vision analysis of plankton images - Problems and new approaches
I:18	Authors: Laurent Berger, Mathieu Doray, and Verena Trenkel
	Title: Influence of schooling patterns on fish backscatter measured by single and multi-beam echosounders: first results of field observations and realistic acoustic sampling simulations
I:19	Authors: Patrice Brehmer, Gorka Sancho, Erwan Josse, Marc Taquet, John Dalen, Stratis Georgakarakos, David Itano, Gala Moreno, Pierre Palud, and Vasilis Trygonis,
	Title: Monitoring fish communities at drifting FADs: an autonomous system for data collection in an ecosystems approach
I:20	Authors: Olav Rune Godø, Vidar Hjellvik, Dag Tjøstheim, and Knut Korsbrekke
	Title: Minimalistic surveys clear the way for priorities in the ecosystem approach
I:21	Authors: Nils Olav Handegard, Julien Jouanno, Rudy Kloser, Patrick Lehodey, and Olivier Maury
	Title: Designing an Ocean Mid-trophic Automatic Acoustic Sampler (MAAS)
I:22	Authors: Martin J. Cox, David L. Borchers, and Andrews S. Brierley
	Title: Estimating krill density from multibeam echosounder observations using distance sampling methods
Posters	
I:23	Authors: Imani, M. Ardalan, A. A . Banazadeh, M
	Title: Satellite altimetry for studies of large lakes (Case study: TOPEX/Poseidon,Jason1 and Caspian sea)
I:24	Authors: Nikolay Timoshenko
	Title: The results of multi-species surveys of small pelagic fishes recruitment in the Central-eastern Atlantic Ocean (the Canarian upwelling)
I:25	Authors: Pavel Chernyshkov
	Title: Macro-scale zones of high biological productivity in the South Pacific Ocean as a probable reason of relatively isolated jack mackerel (<i>Trachurus murphy</i>) stock units existence
I:26	Authors: T. Pauly, I. Higginbottom, and M. Wilson
	Title: Eonfusion - in support of an ecosystem approach to fisheries management
I:27	Authors: H. J.Hirche, K.Barz, and J.Schulz
	Title: A new laboratory imaging system for the documentation and analysis of live and preserved zooplankton samples
I:28	Authors: Magdalena Iglesias, Dolores Oñate, Nùria Díaz, M. Pilar Tugores, and Joan Miquel
	Title: Pelagic fish community on the Spanish Western Mediterranean shelf: towards an ecosystem approach

I:29 **Authors:** Alexndra Temnykh and Victor Melnikov

Title: A New Cassete Planktonometer

I:30 **Authors:** Patrice Brehmer *et al.*

Title: Monitoring and managements of shallow water lagoons

Theme Session J

Integration of individual based information into fishery and environmental management applications

Conveners: David Somerton, (US) and David Righton (UK)

Papers/Oral presentations

Code	Author(s) and title
J:01	Withdrawn
J:02	Authors: Daniel Goethel, Christopher M. Legault, and Steven X. Cadrin Title: A Spatially Explicit Stock Assessment Model Incorporating Tagging Data
J:03	Authors: Susanne F. McDermott, Elizabeth .Logerwell, Ivonne Ortiz, and Vivian Haist Title: Fishery Interaction and Availability of Atka Mackerel Prey for Steller Sea Lions: Results from a Local Abundance and Movement Study of Atka Mackerel
J:04	Authors: Ewan Hunter, Ainsley Buckley, Audrey Darnaude, and Michael Bell Title: Applying individual-based telemetry data in fisheries management: A biologically-based movement model for plaice in the North Sea
J:05	Authors: Alistair J. Hobday, Jason R. Hartog, Richard Matear, Claire M. Spillman, and Oscar Alves Title: Predicting tuna habitat for spatial fisheries management using electronic tags and ocean models
J:06	Authors: Victoria Bendall, Macdara O Cuaig, Pieter-Jan Schön, Stuart Hetherington, Mike Armstrong, Norman Graham, and David Righton. Title: Spatio-temporal dynamics of Atlantic cod (<i>Gadus morhua</i>) in the Irish and Celtic Sea: results from a collaborative tagging programme
J:07	Authors: Stefan Neuenfeldt and Jan E. Beyer Title: Using individual-based stomach and data storage tag data to improve multispecies modelling: linking spatial overlap between predator-prey populations and individual functional response
J:08	Authors: David Righton, Bryony Townhill, and Jeroen van der Kooi Title: Catch me if you can: archival tagging studies can help assess changes in the accessibility of Atlantic cod (<i>Gadus morhua</i>) to trawl gears
J:09	Withdrawn
J:10	Authors: David Borchers, Debbie Russell, and Neil Campbell Title: Using Vessel Monitoring System Data to Estimate Effort and Landings Distribution Probabilistically
J:11	Withdrawn
J:12	Authors: H. J. Frank, M. E. Mather, J. M. Smith, R. M. Muth, and J. Finn Title: Understanding prespawning behavior of individual anadromous alewives in order to interpret distributional patterns: using tagging to improve the efficiency of coastal watershed restoration
J:13	Authors: Sara Adlerstein, Edward Rutherford, David Clapp, Randy Claramunt, and James Johnson Title: Seasonal migration of salmonids interpreted from coded-wire-tag recoveries in the Great Lakes
Posters	
J:14	Authors: C. Davies, A. Hobday, C. Wilcox, C. Evans, B Bruce, J. Stevens. M. Basson, R Bradford Title: Understanding spatial dynamics of large pelagics to inform and evaluate fisheries and conservation management

J:15	Authors: J. Paige Eveson, Marinelle Basson
	Title: Incorporating archival tag data into a spatial mark-recapture model for estimating mortality rates, movement and abundance
J:16	Authors: Stefan Neuenfeldt, Mark Payne, David Righton, Jeroen Van Der Kooij
	Title: Vertical movements of Atlantic cod (<i>Gadus morhua</i>) in the North Sea and the Baltic Sea
J:17	Authors: Stefan Neuenfeldt, Ken Haste Andersen, Kasper Kristensen
	Title: Deriving fish behaviour related patterns in fishing pressure from DST data

Theme Session K

Habitat science to support stock assessment

Conveners: Thomas Noji (USA), Pierre Pepin (Canada), and Geir Huse (Norway)

Papers/Oral presentations

Code	Author(s) and title
K:01	Authors: V. M. Borisov, G. P. Vanyushin, B. N. Kotenev, M. Yu. Kruzhalov, A. A. Troshkov, and T. V. Bulatova Title: Satellite monitoring of SST for forecasting of the North-east arctic cod year class strength
K:02	Authors: Howard Townsend Title: Incorporating food web and habitat interactions in a forage fish stock assessment
K:03	Authors: F. De Raedemaeker, D. Brophy, I. O'Connor, and D. Mc Grath Title: Growth and habitat requirements of juvenile flatfish at nursery grounds in Galway Bay, Ireland.
K:04	Authors: M. Cryer, M. A. Morrison, N.M. Davies and R.B. Ford Title: Including the incidental effects of scallop dredging greatly affects fishery models and management advice.
K:05	Authors: Regan Lohandjole Title: Habitat science to support stock assessment
K:06	Authors: Edda Johannesen, Mette Mauritzen, Ulf Lindstrøm and Per Fauchald Title: The Barents Sea ecosystem survey: feeding in a heterogeneous environment
K:07	Authors: Gregory W. Stunz and Jay R. Rooker Title: Estuarine-coastal connectivity of red drum populations in the Gulf of Mexico
K:08	Withdrawn
K:09	Authors: Katharine A. Smith, Elizabeth W. North, David H. Secor Title: Estimating habitat volume based on physical and biogeochemical models
K:10	Authors: Jake Rice Title: Habitat and Stock Assessment: What is Being Assessed?
K:11	Authors: John Manderson, Josh Kohut, and Beth Phelan Title: Fish and physics: Using Ocean Observing System to Measure effects of Seascape Dynamics of Fisheries Recruitment

Posters

K:12	Authors: Tahere Bagheri and Aliakbar Hedayati
	Title: Study of some biological characteristics and population parameters of Crucian carp (<i>Carassius auratus</i>) in Gorganroud estuarine
K:13	Withdrawn

Theme Session L

Bringing collaborative science – industry research data into stock assessment and fishery management: evaluating progress and future options

Conveners: Mike Armstrong (UK) and Bill Karp (USA).

Papers/Oral presentations

Code	Author(s) and title
L:01	Withdrawn
L:02	Authors: K.V. Drevetnyak, E. A. Shamray, and Yu. M. Lepesevich Title: The Russian experience of collecting industry research data in the Barents Sea demersal fishery
L:03	Authors: Kai Wieland, Eva Maria Fenger Pedersen, Hans J. Olesen, Casper Berg, and Jan E.Beyer Title: Estimating abundance and biomass of North Sea cod based on survey with commercial fishing vessels
L:04	Authors: Troy Hartley and Christopher Glass Title: Science-to-Management pathways for collaborative and traditional herring stock survey data: Using network analysis to track information flow in fisheries management
L:05	Authors: Catherine E. O'Keefe, and Kevin D.E. Stokesbury Title: From Bust to Boom: The success of industry collaboration in U.S. sea scallop research
L:06	Withdrawn
L:07	Authors: L. Wise, A. G. Murta, J. P. Carvalho, P. Abreu, A. C. Fernandes, A. L. Ferreira, E. Henriques, D. Silva, G. Pestana, and J. Tomé Title: Cognitive maps from onboard observers as a tool for fishery management.
L:08	Authors: J. M. Portela, S. Goetz, M. Laporta, J. L. del Río, R. Vilela, G. J. Pierce, and M.B. Santos Title: Preliminary results of an Exploratory Fishing targeting <i>Dissotichus elegendinoides</i> and <i>Macrourus</i> sp. on the High Seas of the South West Atlantic
L:09	Authors: Ignacio Payá, Vlad Laptikhovskiy, and Alexander Arkhipkin Title: Progress and future of using CTD loggers in collaborative swept area surveys of <i>Loligo gahi</i> in the Falkland Islands: Spatial distribution and biomass estimations.
L:10	Authors: R. J. Kloser T. Ryan, G. Geen, G. Patchell, L. Scott, and G. Tuck. Title: Review of industry-based acoustic observation program for blue grenadier and influence on management advice.
L:11	Authors: Brian Harley and Sven Kupschus Title: North Sea GOV ground gear bag trails

Posters

L:12	Authors: Pascal Lorance, Lionel Pawlowski, and Verena M. Trenkel
	Title: Deriving blue ling abundance indices from industry haul by haul data
L:13	Withdrawn
L:14	Authors: Hans J. Olesen, Kai Wieland, Uffe H. Thygesen, and Jan E. Beyer
	Title: Estimating a catchability coefficient for a commercial fishing vessel
L:15	Authors: Jan E. Beyer <i>et al.</i>
	Title: The REX project: a collaborative fishermen-scientists project on the geographical distribution of Atlantic cod in the north-eastern part of the central North Sea
L:16	Authors: Agnes C. Gundersen, Jesper Boje, Einar Hjørleifsson, Jan Erik Dyb, and Kristin Helle
	Title: Electronic catch registration onboard commercial fishing vessels for scientific and commercial use

Theme Session M

Avoidance of bycatch and discards: technical measures, projects and state of data

Conveners: Lisa Borges, (European Commission), Chris Zimmermann (Germany), and Dominic Rihan (Ireland)

Papers/Oral presentations

Code	Author(s) and title
M:01	Authors: Frank Chopin
	Title: The Development of International Guidelines on Bycatch Management and Reduction of Discards
M:02	Authors: Lisa Borges
	Title: The evolution of a discard policy in Europe
M:03	Authors: B. Stockhausen, R. Officer, and R. Scott
	Title: Discard mitigation – what we can learn from waste minimisation practices in other natural resources?
M:04	Authors: Michael Park
	Title: Dealing with discards
M:05	Authors: R. D. Stanley, H. McElderry, J. Koolman, and T. Mawani
	Title: Monitoring and controlling bycatch: a fishing industry generated solution
M:06	Authors: Christopher Zimmermann and Daniel Stepputtis
	Title: The Fehmarn Landing Obligation Study – a fundamentally new management approach to solve the discard problem
M:07	Authors: M.-J. Rochet, E. Benoît and J. S. Collie
	Title: Is selective fishing more harmful to marine communities than even exploitation? Theoretical investigations
M:08	Authors: Clara Ulrich <i>et al.</i>
	Title: Reconciling single-species management objectives in an integrating framework for avoiding overquota catches : main outcomes of the AFRAME project.

M:09	Authors: Dorleta Garcia, Raul Prellezo, Marina Santurtun and Luis Arregi
	Title: Technological changes in the framework of the Northern Hake Long Term Management Plan
M:10	Authors: Carmen Fernandez, Santiago Cerviño, Nelida Perez, and Ernesto Jardim
	Title: Stock assessment incorporating discards estimates in some years and implications for prediction of future stock trajectories
M:12	Authors: Glenn Chamberlain
	Title: A system for sampling and observing catches
M:13	Authors: N. Campbell, S. Holmes, C. Main, P. Fernandes, N. Bailey, and K. Barratt
	Title: Using VMS and Fishery Data in a Real Time Closure Scheme to Reduce Cod Mortality and Cut Discards.
M:15	Authors: Alan C. Haynie
	Title: From mobile closures to individual incentives: Chinook salmon bycatch reduction efforts in the Bering Sea pollock fishery
M:16	Authors: Maria Tenningen, Aud Vold, and Jostein Saltskår
	Title: Mortality of North Sea herring that is crowded and subsequently slipped from a purse seine
M:17	Authors: Adam Barkley and Steve Cadrin
	Title: Mitigating bycatch with spatial and temporal hotspot avoidance using patterns in discard mortality rate
M:18	Authors: Ólafur Arnar Ingólfsson and Haraldur Arnar Einarsson
	Title: The effect of hook- and bait sizes on size selection of Cod, Haddock and Wolffish in longline fisheries
M:19	Authors: D. Rihan, D Browne, and D. McDonald
	Title: Celtic Sea cod – Gear Based Technical Measures to help reduce discarding
M:20	Authors: Oleg M. Lapshin, Kristian Zachariassen, Viacheslav A. Tatarnikov, and Jan Arge Jacobsen
	Title: Avoidance of unwanted bycatch in the blue whiting fishery in Faroese Fishing Zone by use of a sorting grid system
M:21	Authors: Emmet H. Jackson, Coilin Minto, Daniel McDonald and Dominic Rihan
	Title: Bycatch amelioration using Cutaway trawls in the Celtic Sea <i>Nephrops</i> fishery
M:22	Authors: Ole R. Eigaard and J. Rasmus Nielsen
	Title: By-catch reduction in a small meshed North sea trawl fishery through gear developments

Posters

M:11	Authors: S. Brooke, W. Karp, and L. Desfosse
	Title: Evaluating the quality of bycatch data and bycatch estimates across disparate fisheries
M:14	Authors: Jens Ulleweit, Kay Panten, Christoph Stransky
	Title: Discards in the fisheries under German flag: Results from 7 years of National Data Collection in the North Sea and North Atlantic
M:23	Authors: Matt K. Broadhurst, Sebastian S. Uhlmann, Russell B. Millar, and Craig P. Brand
	Title: Maximising the survival of bycatch discarded by commercial estuarine fishers in New South Wales, Australia
M:24	Authors: E.V. Gusev, K. M. Sokolov, and K. V. Drevetnyak
	Title: The Russian experience of using at-sea observer data for estimation of discards in the Barents Sea

M:25	Authors: Susanna Piovano, Yonat Swimmer, and Cristina Giacomà
	Title: Circle hooks as a mitigation measure for loggerhead sea turtles bycatch in the Mediterranean Sea
M:26	Authors: Yonghae Kim and Daesung Whang
	Title: Active fluttering net panel or rope array inside cod-end to increase selectivity
M:27	Authors: M. Viana, J. C. Wilson, and A. L. Jackson
	Title: Basis for a Bayesian Approach to Fisheries Discards
M:28	Authors: Pérez Nélica and Rosa Fernández
	Title: Strategic Spanish Project relating responsible fishing on discard reduction (REDES)
M:29	Authors: T. L. Catchpole, R. Enever, A. Revill, A. Reese, and D. Maxwell
	Title: A Discard Index for the English and Welsh fishing fleet
M:30	Authors: Paulo Fonseca, Aida Campos, Joaquim Parente, and Victor Henriques
	Title: Trawl modifications to avoid by-catch and discards onboard Portuguese crustacean trawlers - a review
M:31	Authors: Xulio Valeiras, José María Bellido, Nélica Pérez, Hortensia Araujo, and Juan Santos
	Title: Discarding patterns of Henslowi crab <i>Polybius henslowi</i> (Leach, 1820) by the Galician and Cantabrian (North Spain) trawl fisheries
M:32	Authors: Richard Briggs
	Title: Discard reduction in the Northern Ireland Nephrops fishery
M:33	Authors: Juan Santos, Javier Roca, Xulio Valeiras, Hortensia Araujo, and Nélica Pérez
	Title: Bootstrap based methods for estimating edge and dispersion parameters at minimum level of discard sampling strata
M:34	Authors: Agnes C. Gundersen and James Kennedy
	Title: Bycatch in the Greenland halibut fishery in East Greenland
M:35	Authors: Ólafur Arnar Ingólfsson
	Title: Species selective Nephrops trawling: Icelandic grid experiments

Theme Session N

Quality and precision of basic data underlying fish stock assessment and implications for fisheries management advice

Conveners: Philippe Moguedet (European Commission), E. Jardim (Portugal), and Nadia Bouffard (Canada)

Papers/Oral presentations

Code	Author(s) and title
N:01	Authors: J. H. Vølstad, D. Skagen, S. Aanes, and M. Pennington
	Title: Evaluating the effects of uncertainty in age-length keys and tuning indices on analytical assessment and quota recommendations for fish stocks
N:02	Authors: David Hirst, Hanne Rognebakke, and Geir Storvik
	Title: A Bayesian hierarchical approach to estimating landings- and discards-at-age.

N:03	Authors: Anna Cheilari and Hans-Joachim Rätz
	Title: The effect of Mortality on the estimation of stock state parameters and derived references for sustainable fisheries management
N:04	Authors: Joël Vigneau
	Title: COST : A generic tool for raising and estimating the properties of statistical estimates in fisheries data.
N:05	Authors: Paul Spencer, Dana Hanselman, and Denise McKelvey
	Title: Trawl survey designs for reducing uncertainty in biomass estimates for patchily-distributed species
N:06	Authors: Kjell Nedreaas, Christoph Stransky, Ernesto Jardim, and Jo Vigneau
	Title: Quality assurance framework – the concept of quality assurance applied to fisheries data and its operationalisation under the ICES scope.
N:07	Authors: Gottfried Pestal and Tatiana Tunon
	Title: Scaling up and Drilling Down: Tracing data issues for Fraser River sockeye (<i>Oncorhynchus nerka</i>) from spawning sites to management aggregates and back
N:08	Authors: M. Pilar Tugores, Joan Miquel, Dolores Oñate, Núria Díaz, and Magdalena Iglesias
	Title: Sampling uncertainty associated with western Mediterranean pelagic fish abundance estimates derived from acoustic data
N:09	Authors: Ernesto Jardim, William James McCurdy <i>et. al.</i>
	Title: WebGR – storing images of biological material and creating a framework to promote the implementation of sound statistical analysis in age calibration
N:10	Authors: Y. Yuan, D. L. Borchers, E. D. Clarke, and P. G. Fernandes
	Title: Estimation of Monkfish Absolute Abundance from Trawl Surveys
N:11	Authors: Bruno Caneco, Carmen Fernandez, David Borchers, and Alexandra Silva
	Title: A modelling framework for incorporating uncertainty from catch sampling into inputs and outputs of stock assessment models
N:12	Authors: S. Kasatkina and P.Gasyukov
	Title: Quality of abundance indices based on international acoustic surveys in context of input data for stock-assessment models: example of Baltic International Acoustic Surveys.
N:13	Authors: Ramiro Castillo Valderrama, and Francois Gerlotto
	Title: Statistical variability of Peruvian anchovy's abundance for acoustics between the years 2000–2008
N:14	Authors: H. McElderry, R. D. Stanley, and A. Fedoruk
	Title: Robust, cost-effective fisheries catch and discard data with the integration of fishing logbooks, video-based monitoring, and offload monitoring.
N:15	Authors: Georgs Kornilovs, Jon Helge Vølstad, Daniel Stepputtis, Dankert Skagen, and Tiit Raid
	Title: Do the regular age reading exercises improve the quality of assessments? The case of Baltic herring.
N:16	Authors: Ignacio Payá
	Title: Augmentation of length sampling using production by commercial size categories in the <i>Loligo gahi</i> fishery off the Falkland Islands: A simple hierarchical Bayesian model.
N:17	Withdrawn
N:18	Authors: Jørgen Dalskov, Lotte Kind-Larsen, and Eskild Kirkegaard
	Title: Fully documented fishery – using Electronic Monitoring to improve industry self-reported data
N:19	Authors: Vaishav Soni, Henrik Sparholt, and Neil Holdsworth
	Title: Analysis of intrinsic uncertainty in survey indices in DATRAS
N:20	Authors: Vaishav Soni, Henrik Sparholt, and Neil Holdsworth

Title: Quality assurance in DATRAS: quality control, validation and data flagging functionality

Posters

N:21	Authors: Noel Cadigan
	Title: Incorporating survey variance in sequential population analysis
N:22	Authors: Pascal Lorance, Phil A. Large, Ragnar Arnason, Richard Hillary, Guzman Diez, Birkir Bardarson, Fernando González-Costas, Rudy Cloete, and Leonie Dransfeld
	Title: DEEPFISHMAN: Management And Monitoring Of Deep-sea Fisheries And Stocks
N:23	Authors: Margaret Bell
	Title: Minimum Sampling Programmes - How to deal with a plethora of different protocols.
N:24	Authors: Lotte Worsøe Clausen and William James McCurdy
	Title: ICES calibration workshops – extracting the juice from bonny structures and gonads.
N:25	Authors: M. P. Sampedro, A. C. Fariña, I. González Herraiz, R. Morlán, G. Costas, L. Cañas
	Title: Sources of uncertainty in fishing effort estimation procedures: the case of northwestern Spain fleets
N:26	Authors: J. E. Skjæraasen, J. Kennedy, R. D. M. Nash, A. Thorsen, and O. S. Kjesbu
	Title: The incidence of skipped spawning in Northeast Arctic gadoids
N:27	Authors: Michael Pennington, Joel Vigneau, and Jon Helge Vølstad
	Title: A framework for improving accuracy in fisheries data used in stock assessments
N:28	Withdrawn

Theme Session O

Experiences in including economic and social information to fisheries analysis and advice: why, how and by whom?

Conveners: Sakari Kuikka (Finland), Alyne Delaney (Denmark), and Rita Curtis (USA),
and
Anthony T. Charles IIFET, Canada

Papers/Oral presentations

Code	Author(s) and title
O:01	Authors: Troels Jacob Hegland and Douglas Clyde Wilson
	Title: Participatory Modelling in EU Fisheries Management: Western Horse Mackerel and the Pelagic RAC
O:02	Authors: L. van Hoof
	Title: The Endangered Community:Analysing societal impacts of fisheries management
O:03	Authors: L. Richard Little <i>et al.</i>
	Title: A model for simulating trading of fisheries quota
O:04	Authors: Doug Wilson

	Title: Policy Uptake of Social Science Knowledge: What can Social Scientists learn from the natural scientists' experience?
O:05	Authors: Ayoe Hoff, Hans Frost, and Clara Ulrich Rescan
	Title: The FcubEcon model
O:06	Authors: Dorleta Garcia and Raúl Prellezo
	Title: Northern Hake Long Term Management Plan Evaluation including fishermen reaction to Management Advice and Enforcement Strategy
O:07	Authors: Philippe E. Ziegler
	Title: Modelling the fleet dynamics of a small-scale mixed fishery
O:08	Authors: M.-J. Rochet, F. Daurès, S. van Iseghem, and V. M. Trenkel
	Title: The joint dynamics of fish stocks and fishing fleets: testing hypotheses in the Bay of Biscay
O:09	Authors: Yoshitaka Ota, Ludovic Dupuis, and Roger Just
	Title: Mapping for Reasons: combining social research and GIS mapping of fishing locations to understand behavioral pattern of small scale fisheries in the Dover Strait, UK/France.
O:10	Authors: Robert Arlinghaus, Malte Dorow, Ben Beardmore, and Wolfgang Haider
	Title: A novel survey method to assess fisheries stakeholders' preferences and support for policies to conserve European eel (<i>Anguilla anguilla</i> L.)
O:11	Authors: F. Daurès, S. van Iseghem, E. Leblond, and C. Brigaudeau
	Title: Assessing the economic viability of the French fishing fleets in the Bay of Biscay from 2000–2007
O:12	Authors: Samu Mäntyniemi, Päivi Haapasaari, and Sakari Kuikka
	Title: Incorporating stakeholders' knowledge to stock assessment: how?
O:13	Authors: Päivi Haapasaari, Samu Mäntyniemi, and Sakari Kuikka
	Title: Participatory modelling to enhance understanding and consensus within fisheries management
O:14	Authors: Polina Levontin, Soile Kulmala, Päivi Haapasaari, and Katja Parkkila
	Title: Synthesising biological, economic and sociological knowledge using Bayesian Belief Networks to support broadly based fisheries policy: the case of devising a new Baltic salmon management plan
O:15	Authors: Michael J. Wilberg, Thomas F. Ihde, David H. Secor, and Thomas J. Miller
	Title: FishSmart: A stakeholder-centered approach to improve fisheries conservation and management
O:16	Authors: Mika Rahikainen, Marko Lindroos, and Veijo Kaitala
	Title: Implications of fishing cost information asymmetry in a non-cooperative fishery: strategic signalling versus biased knowledge
O:17	Authors: Ralf Döring
	Title: Fisheries economics and long-term management plans
O:18	Withdrawn
O:19	Authors: Anthony Charles
	Title: Integrated Bio-Socio-Economic Analysis and Advice for Fishery Management: A Reflection
O:20	Authors: Alan C. Haynie
	Title: The design of hybrid individual incentive mechanisms for bycatch reduction
O:21	Withdrawn
O:22	Authors: Malte Dorow, Ben Beardmore, Wolfgang Haider, and Robert Arlinghaus

	Title: What would be the economic consequences of altered recreational eel (<i>Anguilla anguilla</i>) angling regulations in light of the European eel recovery action plan?
O:23	Withdrawn
O:24	Authors: K. Hamon, L. R. Little and O. Thebaud
	Title: Modelling fishing exploitation with individual level socio-economic information in the Tasmanian rock lobster fishery.
O:25	Authors: R. Aps, H. Lassen, and I. Liiv
	Title: Baltic Sea Regional Advisory Council as facilitator between science, industry and policy
O:26	Authors: Dorothy J. Dankel, Nikki Jacobson, Dan Georgianna, and Steven X. Cadrin
	Title: Holistic evaluation of management strategies: Can gear modification increase haddock yield within legal constraints?
O:27	Authors: Beatriz Mendes, Paulo Fonseca, Aida Campos, Tereza Pilar-Fonseca, and Manuel Afonso-Dias
	Title: Fleet spatial dynamics in Portuguese fish trawlers - modelling the individual decision to return to previous fishing grounds
O:28	Authors: Dorothy Jane Dankel, Mikko Heino, and Ulf Dieckmann
	Title: Scientists as facilitators: An objective technique to illustrate a zone of stakeholder consensus
O:29	Authors: Tereza Pilar-Fonseca, Aida Campos, Manuel Afonso-Dias, and Paulo Fonseca
	Title: Fleet segmentation of the Portuguese coastal trawl fishery: a contribution to fisheries management
O:30	Authors: Leyre Goti
	Title: Potential of further economic and social information to re-rank the management options evaluated by natural sciences: the case of the Basque fleets in the Bay of Biscay
O:31	Withdrawn
O:32	Authors: Nikki Jakobson and Steve Cadrin
	Title: Bio-economic Expectations for New England Groundfish
O:33	Authors: Sigrid Lehuta, Stéphanie Mahévas, Pierre Petitgas, Pascal Le Floc'h, Dominique Pelletier, Paul Marchal, and Etienne Rivot
	Title: Fishery-based indicators of management impact: assessing relevance and robustness using a bio-economic simulation model
Poster	
O:34	Authors: Tatiana Tunon and Gottfried Pestal
	Title: Sequential elimination: Using a combination of data and process to choose robust harvest control rules for Fraser River sockeye (<i>Oncorhynchus nerka</i>).

Theme Session P

Ecological foodweb and network analysis: a tool for ecosystem-based management?

Conveners: Andrea Belgrano (Sweden), Christian Möllmann (Germany), and Ulrich Brose (Germany).

Papers/Oral presentations

Code	Author(s) and title
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P:01	Authors: Steele, Gifford, Collie
	Title: Using food web scenarios to estimate fisheries yields on Georges Bank
P:02	Authors: V. M Trenkel and M.J. Rochet
	Title: Qualitative food-web modelling for predicting the joined directions of change of population and community indicators: identifying dominant pressures as a step towards an EAF
P:03	Authors: Alexander Kempf, Jens Floeter, and Axel Temming
	Title: Predator–prey overlap induced Holling type III functional response in the North Sea fish assemblage
P:04	Authors: M. T. Tomczak, J. J. Heymans, T. Blenckner, and S. Niiranen
	Title: Ecological Network Analysis, indicators of food-web changes in the Baltic Sea
P:05	Withdrawn
P:06	Authors: Melen Leclerc and Didier Gascuel
	Title: The Trophic Spectrum : a tool for assessing the effects of fishing on marine ecosystems at a global scale.
P:07	Authors: Jens Floeter and Christian Möllmann
	Title: Decadal variability in the structure and functioning of the North Sea and Baltic Sea food webs - Decadal variability in the structure and functioning of the North Sea and Baltic Sea food - changes or replacements ?
P:08	Authors: Joël M. Durant, Dag Ø. Hjermann, and Nils Chr. Stenseth
	Title: Reversing the Match-mismatch relationship: the prey point of view
P:09	Authors: Soledad Lorena Diodato, Mónica Susana Hoffmeyer, and Florencia Biancalana
	Title: Grazing pressure of mesozooplankton under anthropogenic impact in Ushuaia Bay, Argentina
P:10	Authors: Axel G. Rossberg and Dave Reid
	Title: Food-web models as tools for ecosystem-based management
P:11	Authors: Ute Jacob
	Title: Ecological Marine Network Structure, Functional Roles & Species Identity –What matters most?
P:12	Authors: Dimitrios K. Moutopoulos, Simone Libralato, Cosimo Solidoro, and Konstantinos I. Stergiou
	Title: A Mass-Balance Ecopath Model of Greek Ionian Sea (E Mediterranean): A preliminary approach
Posters	
P:13	Authors: Mbiye Kalumbu Bienvenu
	Title: Ecological food web and network analysis: a tool for ecosystem-based management
P:14	Authors: Rickard Degerman and Robert Lefébure
	Title: Climate induced alterations of dissolved organic carbon levels in the Baltic Sea pelagic system; implications on food web efficiency and fish production
P:15	Authors: Jari-Pekka Pääkkönen, Ilppo Kajaste, Marjut Räsänen, and Katja Pellikka
	Title: Long-term changes in the state of the coastal ecosystem in the Gulf of Finland

Theme Session Q

Interactions between aquaculture and wild stocks: comparative experiences for Atlantic cod and Atlantic salmon

Conveners: Edward Trippel (Canada), Terje Svåsand (Norway), and Einar Nielsen (Denmark)

Papers/Oral presentations

Code	Author(s) and title
Q:01	Authors: Sten Karlsson, Thomas Moen, and Kjetil Hindar Title: A set of Single Nucleotide Polymorphism (SNP) loci for generic distinction of Norwegian farm and wild Atlantic salmon
Q:02	Authors: Pål Arne Bjørn, Ingebrigt Uglem, Trine Dale, Sven Kerwath, Finn Økland, Rune Nilsen, Kåre Aas, Ian Fleming, and Robert Scott McKinley Title: Movements and spatiotemporal distribution of escaped farmed and local wild Atlantic cod (<i>Gadus morhua</i> L.)
Q:03	Authors: Ingebrigt Uglem, Tim Dempster, Pål-Arne Bjørn, Pablo Sanchez-Jerez, and Finn Økland Title: High connectivity of salmon farms revealed by aggregation, residence and repeated movements of wild fish among farms
Q:04	Authors: Jeffrey A. Hutchings Title: Adaptive phenotypic plasticity in Atlantic salmon and Atlantic cod and its relevance to risk assessments of aquaculture
Q:05	Authors: E. Verspoor, D. Knox, and S. Marshall Title: Assessment of the Direct Genetic Impacts of Escaped Farm Salmon: a retrospective study of a wild Scottish stock
Q:06	Authors: Simon R. M. Jones and N. Brent Hargreaves Title: Estimating salmon louse (<i>Lepeophtheirus salmonis</i>) associated mortality among juvenile pink salmon (<i>Oncorhynchus gorbuscha</i>) in western Canada
Q:07	Authors: Edward A. Trippel and Steven R. Neil Title: Spawning Success of Farmed Atlantic Cod (<i>Gadus morhua</i>): Effects of Photoperiod on Gonad Development in Sea Cages in Eastern Canada
Q:08	Withdrawn
Q:09	Authors: J. E. Skjæraasen, J. J. Meager, and A. Fernö Title: The risk of genetic introgression from farmed escapees to wild cod populations
Q:10	Authors: P. McGinnity J. Carlsson, J. Coughlan, E. Dillane, E. deEyto, Andy Ferguson, P. Prodohl, and T. F. Cross Title: Possible genetic interactions between reared strains and wild populations of cod <i>Gadus morhua</i> : relevance of findings from salmon <i>Salmo salar</i> common-garden field experiments
Q:11	Authors: Tillmann J. Benfey Title: Triploid Atlantic salmon: current status and future prospects
Q:12	Authors: K. E. Jørstad, T. van der Meeren, G. Dahle, O. L. Paulsen, T. Svåsand, and H. Otterå Title: The use of genetic tagging to study interaction between farmed and wild cod stocks
Q:13	Authors: Nathaniel J. Feindel, Edward A. Trippel, and Tillmann J. Benfey Title: Competitive Spawning of Male Triploid Atlantic Cod (<i>Gadus morhua</i>) and the Early Life History Performance of their Offspring
Q:14	Authors: Geir Dahle, Knut Jørstad, Torild Johansen, Jon-Ivar Westgård, Halvor Knutsen, and Kevin Glover Title: Genetic assignment as a tool to identify the origin for Atlantic cod (<i>Gadus morhua</i>) escapees in Norwegian fjords
Q:15	Authors: I. A. Fleming

	Title: Cultural invasions: understanding the potential for, and implications of fish escapes from aquaculture.
Q:16	Authors: Richard J. Beamish
	Title: Pacific salmon and farmed salmon on the Pacific coast of Canada
Q:17	Authors: Einar E. Nielsen <i>et al.</i>
	Title: Genomic signatures of local adaptation in natural populations of Atlantic cod: implications for interactions between aquaculture and wild cod populations
Posters	
Q:18	Authors: Svein-Erik Fevolden, Jon-Ivar Westgaard, and Jørgen Schou Christiansen
	Title: Culture of Atlantic cod (<i>Gadus morhua</i>) in the vicinity of major spawning sites for NE Arctic cod and Norwegian coastal cod populations - is it hazardous?
Q:19	Withdrawn
Q:20	Withdrawn
Q:21	Authors: Nathaniel J. Feindel, Edward A. Trippel, and Tillmann J. Benfey
	Title: Oogenesis and Spermatogenesis of Triploid Atlantic Cod (<i>Gadus morhua</i>)
Q:22	Authors: Paul V. Debes, Eric Normandeau, Louis Bernatchez and Jeffrey A. Hutchings
	Title: Transcriptional differences between domesticated and wild Atlantic salmon (<i>Salmo salar</i>) in different environments

Theme Session R

Potential changes in the EU common fisheries policy: implications for science

Conveners: Poul Degnbøl (European Commission) and Martin Pastoors (the Netherlands)

Papers/Oral presentations

Code	Author(s) and title
R:01	Authors: Jesper Raakjær
	Title: A fisheries management system in crisis - the EU Common Fisheries Policy
R:02	Authors: Richard Curtin and Raúl Prellezo
	Title: Are we in the position of understanding marine ecosystem based management? A literature review.
R:03	Authors: Paul Marchal and Rich Little
	Title: TAC allocation and catch-quota balancing in mixed-fisheries: a bio-economic modelling approach TAC allocation and catch-quota balancing in mixed-fisheries: applied to the Channel flatfish fisheries
R:04	Authors: Stuart A. Reeves, Andrew S. Revill, and John, K. Pinnegar
	Title: The past, present and future of technical measures in the Common Fisheries Policy.
R:05	Authors: Maria Hadjimichael, Gareth Edwards-Jones, and Michel Kaiser
	Title: Importance of regionalization: policy, enforcement and culture as evidence of the north/south divide in the European Union fish catching sector

R:06	Authors: Clara Ulrich <i>et al.</i>
	Title: Potentials and challenges in fleet- and métier- based approaches for fisheries management in the CFP
R:07	Authors: Ingolf Röttingen and Sigurd Tjelmeland
	Title: Towards a MSY-based management of Barent Sea Capelin in an ecosystem context
R:08	Authors: Sakari Kuikka
	Title: Some scientific challenges related to Common Fisheries Policy
R:09	Withdrawn
R:10	Authors: R. Aps and H. Lassen
	Title: EU Common Fisheries Policy reform: co-production of science and policy
R:11	Authors: Aukje Coers, Jesper Raakjær, and Christian Olesen
	Title: What should be the role of the RAC's in the future: A case study of the Pelagic RAC - Lessons learnt and future directions.
R:12	Authors: Hendrik Dörner, Hans-Joachim Rätz, Robert Scott, and Thomas Barbas
	Title: From science to management: the conceptual roles of European and national institutions under CFP and MSFD regarding living marine resources
R:13	Authors: C. Pita, G. J. Pierce, and I. Theodossiou
	Title: Stakeholders' participation in the decision-making process: Scottish inshore fishers' perceptions of involvement
R:14	Authors: Søren Anker Pedersen, Hans Frost, and Hans Lassen
	Title: Assessing impacts of commercial fishing on selected ecosystem services in European waters – results of a scoping study
R:15	Withdrawn
R:16	Authors: Martin Pastoors and Luc van Hoof
	Title: Opening up the box: Governance and the evaluation of fisheries policy
R:17	Authors: Marion Dreyer, Kjellrun Hiis Hauge, and Martin Pastoors
	Title: Addressing uncertainty to facilitate participatory governance
R:21	Author: Didier Gascuel
	Title: Sifting to the MSY: only a first step for changing the EU common common fisheries policy and implementing the ecosystem approach to fisheries
Posters	
R:18	Withdrawn
R:19	Authors: Aida Campos, Victor Henriques, Paulo Fonseca, and Joaquim Parente
	Title: Integration of scientific inputs to assist sustainable management in Portuguese coastal fisheries: a perspective
R:20	Authors: A. Uriarte, P. Abaunza, O. Guyader, L. Ibaibarriaga, S. Sanchez, L. Pawlowski, R. Prellezo, B. Roel, I. del Valle, Y. Vermard, and B. Villamor
	Title: Developing a Management Plan for the Anchovy Fishery in the Bay of Biscay

Theme Session S

Presenting scientific and advisory results: best practices

Conveners: Sarah Kraak (Ireland) and Martin Pastoors (the Netherlands)

Papers/Oral presentations

Code	Author(s) and title
S:01	Authors: Sarah L. Hughes and N. Penny Holliday Title: The ICES Report on Ocean Climate : Presenting the very latest information of the status and trends of sea temperature and salinity in the ICES Area of the North Atlantic and Nordic Seas.
S:02	Authors: James R. Weinberg Title: Presenting stock assessment results to fishery management councils and the public in the Northeast Region of the United States
S:03	Authors: Gottfried Pestal and Tatiana Tunon Title: Lecture, sales pitch, or InfoVis? Communicating the elements of decisions under uncertainty to support stakeholder processes.
S:04	Authors: Jake Rice Title: Communicating science advice to diverse clients; experiences in North America and Europe

Posters

S:05	Authors: Christopher Zimmermann, Martin Pastoors, Neil Holdsworth and the ACOM subformat group Title: Making ICES advice easier to understand and to produce: A new concept for the presentation of single stock information
S:06	Withdrawn

Theme Session T

Death in the sea - Mortality in the zooplankton and early-life stages of marine fish (estimates, processes and outcomes)

Conveners: Alejandro Gallego (UK), Edward D. Houde (USA), and Elizabeth W. North (USA)

Papers/Oral presentations

Code	Author(s) and title
T:01	Authors: W. C. Gentleman, and P. Pepin Title: Improving confidence in copepod mortality estimates: Choosing formulas and quantifying errors
T:02	Authors: Marc Hufnagl, Axel Temming, Volker Siegel, Ingrid Tulp, and Loes Bolle Title: An evaluation of various models for the estimation of total mortality from length frequency distribution data confronted with seasonal variability in growth, recruitment and mortality.

T:03	Authors: T. Kristiansen, C. Jørgensen, R.G. Lough, F. Vikebø, and Ø. Fiksen
	Title: Modeling rule-based behavior: habitat selection and the growth-survival trade-off in larval cod
T:04	Authors: Zeren Gurkan, Asbjorn Christensen, and Henrik Mosegaard
	Title: Individual-based modeling of growth and survival of Atlantic Cod and Lesser Sandeel larval and juvenile stages
T:05	Authors: Kirstin Eliassen, Jákup Reinert, Eilif Gaard, Peter Grønkjær, and Jens Tang Christensen
	Title: Mortality of juvenile sandeel on the Faroe Shelf due to food limitation
T:06	Authors: Susan Mærsk Lusseau, Emma M. C. Hatfield, Jens Rasmussen, Alejandro Gallego, and Mike R. Heath
	Title: Over-winter survival of larval herring in the northern North Sea can be related to food intake
T:07	Authors: Stefan Meyer, Helena M. Hauss, Philip Kanstinger, Myron A. Peck, and Josianne G. Støttrup
	Title: Live and let die – condition indices and starvation-induced mortality thresholds during the early life of marine fish
T:08	Authors: Colleen M. Petrik, Rubao Ji, Cabell S. Davis, R. Gregory Lough, and Trond Kristiansen
	Title: Modelling the sources of mortality for larval haddock on Georges Bank and their effects on behavior
T:09	Authors: Jun Shoji, Hikari Kinoshita, Yasuhiro Kamimura, and Ken-ichiro Mizuno
	Title: Cohort-specific mortality of black rockfish <i>Sebastes cheni</i> larvae and juveniles in the Seto Inland Sea: implications for conservation of seagrass and macroalgae habitats
T:10	Authors: Richard D. M. Nash, and Audrey J. Geffen
	Title: Mortality schedules in the early life-history phases of juvenile flatfish; European plaice (<i>Pleuronectes platessa</i> L.) as a case study.
T:11	Authors: Mark R. Payne, Asbjørn Christensen, Peter Munk, Richard D. M. Nash, and Mark Dickey-Collas
	Title: The role of spatial processes in North Sea herring larval survival and recruitment.
T:12	Authors: P. Reglero, A. Urtizberea, Ø. Fiksen, I. A. Catalán, A. Pérez-Torres, and F. Alemany
	Title: Size-dependent predation in piscivorous larval stages of three tuna species
T:13	Authors: Claire B. Paris
	Title: Fate of reef fish larvae through ontogeny: advection or true mortality?
T:14	Authors: Joel K. Llopiz and Robert K. Cowen
	Title: The successful and selective feeding of larval fishes in the low-latitude open ocean: Is starvation an insignificant source of mortality?
T:15	Withdrawn
T:16	Authors: Stéphane Plourde, Pierre Pepin, and Erica Head
	Title: Long-term seasonal and spatial patterns in mortality and survival of <i>Calanus finmarchicus</i> across the Atlantic Zone Monitoring Program region, Northwest Atlantic

Posters

T:17	Authors: Zhygalova Natalia, Semenova Anna, and Rodyuk Galina
	Title: Occurrence of <i>Ellobiopsis</i> spp. (Myzozoa) in Copepoda from the Russian waters of the South Baltic Sea
T:18	Authors: Semenova Anna, Aleksandrov Sergey, and Dmitrieva Olga
	Title: Influence of Cyanobacteria “blooming” on zooplankton in the Curonian Lagoon (the Baltic Sea)
T:19	Authors: I. A. Catalán, J. Solé, D. Macías, J. Ruiz, J. Tintoré, and B. Morales-Nin
	Title: Coupling a coastal 3D hydrodynamic-biological model and an IBM to assess long-term effects of mesoscale variability on early life stages of European anchovy in the vicinity of the Gibraltar Strait

T:20 **Authors:** Flemming T. Dahlke, Sebastian N. Politis, Myron A. Peck and Edward A. Trippel

Title: Mortality and development during early life phases of Atlantic cod (*Gadus morhua*) in relation to paternity and water temperature
