

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] |
|-----------------------|--|

| | |
|---|--|
| 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 [PGEGGS] |
| 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] |
|--------|---|

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 Arístegui, Santiago Hernández-Leon, May Gómez, Carlos Almeida, Agustín Portillo-Hahnefeld, María F. Montero and Theodore T. Packard 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 Ruhнау, 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 Gudrún 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. Tsontos, 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. Sagarminaga |
| | 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. Fosheim, 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 Laptikhovsky and Alexander Arkhipkin |
| | Title: Environmental changes caused recent increase in abundance of rock cod, Patagonotothen ramsayi 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 Mikk 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 Kristinsson, Stefano Mariani, and Christophe 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 Fernandez; 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 Hölder, 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 Prinsenberg |
| | Title: Temporal variability in arctic zooplankton and phytoplankton populations from moored adcp and Icycler 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 Lüdtke |
| | 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, Núria 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 Raedemaecker, 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 Rfo, R. Vilela, G. J. Pierce, and M.B. Santos Title: Preliminary results of an Exploratory Fishing targeting <i>Dissotichus eleginoides</i> and <i>Macrourus</i> sp. on the High Seas of the South West Atlantic |
| L:09 | Authors: Ignacio Payá, Vlad Laptikhovsky, 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 Prelezo, 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, Colin 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 Giacoma |
| | 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 excercises 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 Loligo gahi 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. Skjærraasen, 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 Prelezo |
| | 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 |
|------|---------------------|
|------|---------------------|

| | |
|----------------|--|
| 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 Degnbol (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 Pallezo |
| | 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 Røttingen 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 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
