List of ICES CM 2010 document codes

Advisory Committee (ACOM)

ACOM:01	Advisory Committee [ACOM] November
ACOM:02	Partner Commissions, Joint Norwegian-Russian Fisheries Commission, ACOM leadership [MICC] October
ACOM:03	Regional Advisory Council, stakeholders, ACOM leadership[MIRAC] January
ACOM:04	Annual Meeting of Advisory Working Group Chairs [WGCHAIRS] January
ACOM:05	Arctic Fisheries Working Group [AFWG] April
ACOM:06	Herring Assessment Working Group for the Area South of 62°N [HAWG] March
ACOM:07	North-Western Working Group [NWWG] April/May
ACOM:08	Baltic Salmon and Trout Assessment Working Group [WGBAST] March
ACOM:09 Ref. SCICOM	Working Group on North Atlantic Salmon [WGNAS] March
ACOM:10	Baltic Fisheries Assessment Working Group [WGBFAS] April
ACOM:11	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim [WGHMM] May
ACOM:12	Working Group for the Celtic Seas Ecoregion [WGCSE] May
ACOM:13	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak [WGNSSK] May
ACOM:14	Joint NAFO/ICES *Pandalus* Assessment Working Group [NIPAG] October
ACOM:15	Working Group on Widely Distributed Stocks [WGWIDE] September
ACOM:16	Working Group on Anchovy and Sardine [WGANSA] June
ACOM:17	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources [WGDEEP] April
ACOM:18 Ref. WGRECORDS, SGEF	Joint EIFAC/ICES Working Group on Eels [WGEEL] September
ACOM:19	Working Group Elasmobranch Fishes [WGEF] June
ACOM:20 Ref. NAFO Scientific Council	Working Group on Harp and Hooded Seals [WGHARP] August
ACOM:21 Ref. SSGSUE	Working Group on Assessment of New MoU Species [WGNEW] October
ACOM:22	Fishery Statistics Liaison Working Group [WGSTAL] May/June
ACOM:23	Working Group on Ecosystem Effects of Fishing Activities [WGECO] April
ACOM:24	Working Group on Marine Mammal Ecology [WGMME] April
ACOM:25	Study Group for Bycatch of Protected Species [SGBYC] February
ACOM:26	ICES-NAFO Working Group on Deepwater Ecology [WGDEC] March
ACOM:27	Ad hoc Group on the Development of a Best Practice Manual for scientific surveys in areas closed to fishing [AGMAN] September/October
ACOM:28	ICES/IOC/IMO Working Group on Ballast and other Ship Vectors [WGBOSV] March
ACOM:29	Working Group on Introduction and Transfers of Marine Organisms [WGITMO] March
ACOM:30	Study Group on Integrated Monitoring of Contaminants and Biological Effects [SGIMC] January
ACOM:31	14th Dialogue Meeting on Implementing ecosystem approach

ACOM:32 Ref. NWWG	Workshop on the use of survey information in ICES XIVb and NAFO area 1 [WKSXIV]
ACOM:33	Joint Workshop with NAMMCO on observation schemes for bycatch of mammals and birds [WKOSBOMB] June/July
ACOM:34	Planning Group on Recreational Fisheries Surveys [PGRFS] June
ACOM:35	Workshop on Mixed Fisheries Advice for the North Sea [WKMIXFISH] August/September
ACOM:36	Benchmark Workshop on Roundfish [WKROUND] February
ACOM:37	Benchmark Workshop on Flatfish Species [WKFLAT] February/March
ACOM:38	Benchmark Workshop on Deep Water Species [WKDEEP] February
ACOM:39	Planning Group on Commercial Catches, Discards and Biological Sampling [PGCCDBS] March
ACOM:40 Ref. PGCCDBS, RCMs, STECF/SGRN	Joint ICES-STECF Workshop on methods for merging fleet metiers for fishery based sampling [WKMERGE] January
ACOM:41	ICES Workshop on the Design of Regional Age Sampling Schemes [WKDRASS] June
ACOM:42	ICES-STECF Workshop on implementation of the Common Open Source Tool (COST) [WKCOST] April
ACOM:43	ICES Workshop on ecosystem indicators of discarding [WKEID] September/October
ACOM:44	Workshop on Age Reading of Dab [WKARDAB] November
ACOM:45	Workshop on Age Rading of North Sea (IV) and Skagerrak-Kattegat (IIIa) Plaice [WKARP] November
ACOM:46	Workshop on Age Reading of Mackerel [WKARMAC] November
ACOM:47	Workshop on Sexual Maturity Staging of Redfish and Greenland Halibut [WKMSREGH] May
ACOM:48	Workshop on Sexual Maturity Staging of Elasmobranches [WKMSEL] October
ACOM:49	Workshop on Sexual Maturity Staging of Cephalopods [WKMSCEPH] November
ACOM:50 Ref. PGCCDBS	Workshop on Sexual Maturity Staging of sole, plaice, dab and flounder [WKMSSPDF] February
ACOM:51	Worskhop on estimation of maturity ogive in Norwegian spring spawning herring [WKHERMAT] March
ACOM:52	A FIMPAS Workshop [FIMPAS1] February
ACOM:53	A FIMPAS Workshop [FIMPAS2] June
ACOM: 54	Workshop on Implementing the ICES F_{MSY} framework [WKFRAME] March
ACOM:55	Summary Report for the years 2007-2009 of the ICES/IOC/IMO Working Group on Ballast and other ship Vectors (WGBOSV)
ACOM:56	Report on the Evaluation of HCR for the establishment of a management plan for the Iberian mixed fisheries of Hake, Anglerfish and *Nephrops* aiming to achieve Fmsy by 2015 (AGSHAKE)
ACOM:57	Benchmark Workshop on Sandeel [WKSAN]
ACOM:58	Technical Background Evaluation of Annex IV Rules
ACOM:59	**Workshop on BALTic EEL** November [WKBALTEEL]
ACOM:60	**Joint MEDPOL/Black Sea/ICEs Workshop on Marine Litter (WKMAL)**
ACOM:61	Workshop on lysosomal stability data quality and interpretation (WKLYS)
ACOM:62	Miller. C.M; J. J Poos 2010. Combined *Ex post* and *ex ante* evaluation of the long term management plan for sole and plaice in the North Sea, including responses to ICES review
ACOM:63	ICES' Workshop on Iberian mixed fisheries management plan evaluation of Southern hake, *Nephrops* and anglerfish [WKSHAKE2]

ACOM:64	Workshop on procedures to establish the appropriate level of the mixed herring TAC (Spring Western Baltic (WBSS) and Autumn Spawning North Sea (NSAS) stocks) in Skagerrak and Kattegat (Division IIIa (WKWATSUP)
ACOM:65	Harmful Aquatic Organisms in Ballast Water - Overview of statistical methods that could be used to verify compliance with the D-2 Standard. By ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors (WGBOSV)
ACOM:66	Workshop on the Review of Regulation 812/2004 [WKREV812]
ACOM:67	Report of the Workshop on harmful phytoplankton that could potentially be transported or introduced by ballast water (WKHABAL)
ACOM:68	Report of the ICES/HELCOM Workshop on Flatfish in the Baltic Sea (WKFLABA)

Science Committee (SCICOM)

SCICOM:01	Science Committee [SCICOM] May
SCICOM:02 Ref. ACOM	Report of the ICES Science Committee (SCICOM) September 2010
SCICOM:03	SCICOM Progress Report 2010 - An annual report to the ICES Council to describe the development and implementation of the ICES Science Plan
SCICOM:04 Ref. ACOM	ICES Training Group [ITG] September
SCICOM:05 Ref. ACOM	Working Group on Data and Information Management [WGDIM] May

SCICOM Steering Group on Ecosystems Function (SSGEF)

SSGEF:01	Science Strategic Initiative on Climate Change [SSICC] January
SSGEF:02 Ref. SCICOM, SSICC	Editorial Workshop for the Position Paper on Climate Change [EWPPCC] January
SSGEF:03 Ref. SCICOM, WGNAS, ACOM, WGRECORDS	Study Group on Biological Characteristics as Predictors of Salmon Abundance [SGBICEPS]
SSGEF:04 Ref. SCICOM, SSICC	Workshop on How Models help us to understand Climate Chagne Evolution and Impacts in the Regional Oceans [WKMCCEI] January
SSGEF:05 Ref. SCICOM, ACOM, BEWG	Study Group on Climate related Benthic processes in the North Sea [SGCBNS] March
SSGEF:06 Ref. SCICOM	Working Group on Biodiversity [WGBIODIV] February
SSGEF:07 Ref. SCICOM	Working Group on Phytoplankton and Microbial Ecology [WGPME] March
SSGEF:08 Ref. SCICOM	Working Group on Oceanic Hydrography [WGOH] March
SSGEF:09 Ref SCICOM, ACOM, PGCCDBS	Working Group on Cephalopod Fisheries and Life History [WGCEPH] March
SSGEF:10 Ref. SCICOM	Working Group on Seabird Ecology [WGSE] March

SSGEF:11 Ref. SCICOM, WGBAST, ACOM, WGRECORDS	Study Group on Data Requirements and Assessment Needs for Baltic Sea Trout [SGBALANST] March
SSGEF:12 Ref. SCICOM, ACOM	Working Group on Zooplankton Ecology [WGZE] March
SSGEF:13 Ref. SCICOM	Workshop on Understanding and quantifying mortality in fish early-life stages: experiments, observations and models [WKMOR] March
SSGEF:14 Ref. SCICOM	Working Group on Modelling of Physical/Biological Interactions [WGPBI] March
SSGEF:15 Ref. SCICOM	Benthos Ecology Working Group [BEWG] April
SSGEF:16 Ref. SCICOM	Working Group on the Biology and Life History of Crabs [WGCRAB] April
SSGEF:17 Ref. SCICOM	Working Group on Crangon Fisheries and Life History [WGCRAN] May
SSGEF:18 Ref. SCICOM, WGZE	Study Group on Integrated Morphological and Molecular Taxonomy [SGIMT]
SSGEF:19 Ref. SCICOM, WGNAS, WGBAST, WGEEL	Working Group on the Science Requirements to Support Conservation, Restoration and Mangaement of Diadromous Species [WGRECORDS] September
SSGEF:20 Ref. SCICOM, WGEEL, WGRECORDS,	Study Group on International Post-Evaluation on Eels [SGIPEE] May
SSGEF:21 Ref. SCICOM, WGNAS, ACOM, WGRECORDS	Study Group on Salmon Stock Assessment and Forecasting [SGSSAFE]
SSGEF:22 Ref. SCICOM, WGEEL, SGIPEE, ACOM, WGRECORDS	Study Group on Anguillid Eels in Saline Waters [SGAESAW]
SSGEF:23 Ref. SCICOM	Working Group on Small Pelagic Fishes, their Ecossystem and Climate Impact [WGSPEC] January
SSGEF:24 Ref. SCICOM, ACOM	Working Group on Fish Ecology [WGFE] September

SCICOM Steering Group on Human Interactions on Ecosystems (SSGHIE)

SSGHIE:01 Ref. SCICOM, ACOM	Working Group on Biological Effects of Contaminants [WGBEC] January
SSGHIE:02 Ref. SCICOM, ACOM	Working Group on Pathology and Diseases of Marine Organisms [WGPDMO] February

SSGHIE:03 Ref. SCICOM, ACOM	Marine Chemistry Working Group [MCWG] March
SSGHIE:04 Ref. SCICOM, ACOM	Working Group on Marine Sediments in Relation to Pollution [WGMS] March
SSGHIE:05 Ref. SCICOM, ACOM	Working Group on Integrated Coastal Zone Management [WGICZM] March
SSGHIE:06 Ref. SCICOM, IOC Executive Council	IOC-ICES Study Group on Nutrients Standards [SGONS] March
SSGHIE:07 Ref. SCICOM	Working Group on Marine Shellfish Culture [WGMASC] March
SSGHIE:08 Ref. for OSPAR Advice (Apr) SCICOM, ACOM (May)	Working Group on Environmental Interactions of Mariculture [WGEIM] April
SSGHIE:09 Ref. SCICOM	ICES-IOC Working Group on Harmful Algal Bloom Dynamics [WGHABD] April
SSGHIE:10 Ref. SCICOM	Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem [WGEXT] April
SSGHIE:11 Ref. SCICOM, SSICC (Sept) PICES FIS, POC Committees (Oct)	Joint PICES/ICES Working Group on Forecasting Climate Change Impacts on Fish and Shellfish [WGFCCIFS] April
SSGHIE:12 Ref. SCICOM, ACOM	Working Group on the Application of Genetics in Fisheries and Mariculture [WGAGFM] May

SCICOM Steering Group on Sustainable Use of Ecosystems (SSGSUE)

SSGSUE:01 Ref. SCICOM, ACOM	Working Group on Marine Habitat Mapping [WGMHM] May
SSGSUE:02 Ref. SCICOM, ACOM	Working Group on Fisheries-Induced Evolution [WGEVO] April
SSGSUE:03 Ref. SCICOM, ACOM	Working Group on Operational oceanographic products for fisheries and environment [WGOOFE] June and November
SSGSUE:04 Ref. SCICOM, ACOM	Stock Identification Methods Working Group [SIMWG] June
SSGSUE:05 Ref. SCICOM	Working Group on Multispecies Assessment Methods [WGSAM] October
SSGSUE:06 Ref. SCICOM, ACOM	Working Group on Quantifying All Fishing Mortality [WGQAF] November

SSGSUE:07 Ref. SCICOM, ACOM	Working Group on Fishery Systems [WGFS] October
SSGSUE:08 Ref, SCICOM, ACOM	Study Group on the evaluation of assessment and management strategies of the western herring stocks [SGHERWAY] March and June
SSGSUE:09 Ref. SCICOM, ACOM	Working Group on Methods of Fish Stock Assessment [WGMG]
SSGSUE:10 Ref. SCICOM, ACOM	Workshop on Reviews of Recent Advances in Stock Assessment Models Worldwide "Around the World in AD Models" [WKADSAM] September/October
SSGSUE:11 Ref. SCICOM, ACOM	Study Group on the History of Fish and Fisheries [SGHIST] October
SSGSUE:12 Ref. SCICOM, ACOM, SSGHIE, WGDIM, and PGCCDBS.	Study Group on VMS data, its storage, access and tools for analysis [SGVMS] September
SSGSUE:13 Ref. MARIFISH and SCICOM	MARIFISH-ICES Joint Workshop on Integrated ecosystem modelling; building our capacity to understand and manage marine ecosystems in a changing world [WKIEM] November
SSGSUE:14 Ref. SCICOM	Joint ICES and Pelagic RAC Workshop on Pelagic Fisheries within the Marine Ecosystem: Tradeoffs and potential benefits of the Ecosystem Approach (WKPELECO)

SCICOM Steering Group on Regional Sea Programmes [SSGRSP]

SSGRSP:01 Ref. SCICOM	Study Group for the Development of Integrated Monitoring and Assessment of Ecosystem Health in the Baltic Sea [SGEH] March
SSGRSP:02 Ref. SCICOM	ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea [WGIAB] April
SSGRSP:03 Ref. SCICOM	Working Group on the Northwest Atlantic Regional Sea [WGNARS] April
SSGRSP:04 Ref. SCICOM	Workshop on Anchovy, Sardine and Climate Variability in the North Sea and Adjacent Areas [WKANSARNS] June
SSGRSP:05 Ref. SCICOM, SSGSUE	Workshop on Introducing Coupled Ecological – Economic Modelling and Risk Assessment into Management Tools [WKIMM] June
SSGRSP:06 Ref. SCICOM	ICES/ESSAS Workshop on Ecosystem Studies of Sub-Arctic Seas [ICESSAS] August/September
SSGRSP:07 Ref. SCICOM, ACOM	Working Group on Large Marine Ecosystem Programme Best Practices [WGLMEBP] March
SSGRSP:08 Ref. SCICOM, ACOM	Working Group on Holistic Assessment of Regional Marine Ecosystems [WGHAME] October
SSGRSP:09 Ref. SCICOM, ACOM	Workshop on Including Socio-Economic considerations into the Climate-recruitment framework developed for clupeids in the Baltic Sea [WKSECRET] October

SCICOM Steering Group on Ecosystem Surveys Science and Technology (SSGESST)

SSGESST:01 Ref. SCICOM, ACOM	Workshop to Assess the Ecosystem Effects of Electric Pulse Trawls [WKPULSE] February
SSGESST:02 Ref. SCICOM, WGISUR, ACOM	Working Group on Mackerel and Horse Mackerel Egg Surveys [WGMEGS]
SSGESST:03 Ref. SCICOM, WGISUR, ACOM, HAWG	Working Group for International Pelagic Surveys [WGIPS] January
SSGESST:04 Ref. SCICOM, ACOM	ICES-FRESH Joint Workshop on Egg Production Methods for Estimating Fish Biomass [WKEPM] March
SSGESST:05	Workshop on the Development of a Gillnet Selectivity Manual [WKGILLMAN] **Meeting cancelled. No report.**
SSGESST:06 Ref. SCICOM, WGISUR, ACOM	International Bottom Trawl Survey Working Group [IBTSWG] March
SSGESST:07 Ref. SCICOM, WGISUR, ACOM	Baltic International Fish Survey Working Group [WGBIFS] March

SSGESST:08 Ref. SCICOM, ACOM	Working Group on Integrating Surveys for the Ecosystem Approach [WGISUR] April
SSGESST:09 Ref. SSGEF, WGISUR, SCICOM, ACOM	Workshop on Cataloguing Data requirements from surveys for the EAFM [WKCATDAT] April
SSGESST:10 Ref. SCICOM, ACOM	Study Group on Fish Avoidance of Research Vessels [SGFARV] April
SSGESST:11 Ref. WGFAST, SCICOM, ACOM	Study Group on Calibration of Acoustic Instruments in Fisheries Science [SGCal] April
SSGESST:12 Ref. SCICOM, ACOM	Working Group on Fisheries Acoustic Science and Technology [WGFAST] April
SSGESST:13 Ref. SCICOM, ACOM	Study Group on Turned 90 Codend Selectivity, focusing on Baltic Cod Selectivity [SGTCOD] May
SSGESST:14 Ref. SCICOM, ACOM	ICES-FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB] May/June
SSGESST:15 Ref. SCICOM, ACOM	Workshop on Determination of Acoustic Target Strength of Redfish [WKTAR] June
SSGESST:16 Ref. SCICOM, WGISUR, ACOM	Working Group on North-east Atlantic Continental Slope Survey [WGNEACS] June
SSGESST:17 Ref. SCICOM, WGISUR, ACOM	Working Group on Beam Trawl Surveys [WGBEAM] June
SSGESST:18 Ref. SCICOM, ACOM	ICES GOOS Working Group [IGWG] April
SSGESST:19 Ref. SCICOM, ACOM	Study Group on combining gear parameters into effort and capacity metrics [SGEM] August
SSGESST:20 Ref. SCICOM, WGISUR, ACOM	Working Group on Northeast Atlantic Pelagic Ecosystem Surveys [WGNAPES] August
SSGESST:21 Ref. SCICOM, ACOM	Study Group on Standards in Ichthyoplankton Surveys [SGSIPS] October
SSGESST:22 Ref. SCICOM, ACOM	Study Group on *Nephrops* Surveys [SGNEPS] November
SSGESST:23 Ref. SCICOM, WGISUR, ACOM	Working Group on North Sea Cod and Plaice Egg Surveys in the North Sea [WGEGGS] November

SSGESST:24 Ref. SCICOM, ACOM	Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES Areas VIII and IX [WGACEGG]

Theme Session on Operational oceanography for fisheries and environmental (A) applications

1401	A:01	**Authors:** Greg DeCelles, Steven Cadrin, and Geoff Cowles **Title:** The fate of winter flounder larvae spawned in coastal waters of the Gulf of Maine
1423	A:02	**Authors:** V. M. Borisov, G. P. Vanyushin, M. Yu. Kruzhalov, A. A. Troshkov, and T.V . Bulatova **Title:** Forecasting NEA cod (*Gadus morhua* L.) stock recruitment based on satellite monitoring of SST data
1453	A:03 Poster	**Authors:** Jean-Noël Druon **Title:** Predicting the bluefin tuna habitat from space: another tool for the future management and control of pelagic fisheries
1482	A:04	**Authors:** P. Lehodey *et al.* **Title:** Towards operational management of pelagic ecosystems
1498	A:05	**Authors:** Glenn Nolan, Kieran Lyons, Neil Ruane, David Jackson, Joe Silke, and Robin Raine **Title:** Oceanographic modelling products as a decision support to the Irish aquaculture sector
1512	A:06	**Authors:** M. Huret, P. Petitgas, F. Léger, C. Struski, M. Sourisseau, and P. Lazure **Title:** A 38 years hindcast of a coupled physical-biogeochemical model and its use for fisheries oceanography in the Bay of Biscay
1522	A:07	**Authors:** Bee Berx, Mark Dickey-Collas, and Morten Skogen **Title:** The ICES WGOOFE Questionnaire – Defining oceanographic requirements in the fisheries and environmental communities
1531	A:08	**Authors:** D. Christopher Melrose, Mark S. Berman, Kimberly Hyde, and John E. O'Reilly **Title:** Using a towed profiler to compare satellite primary productivity models with in situ measurements of vertical chlorophyll on the Northeastern United States Continental Shelf
1629	A:09	**Authors:** R. J. David Wells and Jay R. Rooker **Title:** Use of otolith chemistry and electronic tags as fisheries oceanography tools: a case study of blue marlin in the western Atlantic Ocean basin
1644	A:10	**Authors:** Karen Wild-Allen, Jenny Skerratt, Farhan Rizwi, and John Parslow **Title:** Towards operational biogeochemical modelling for resource management of coastal waters
1703	A:11	**Authors:** Timothy B. Grabowski, Bruce J. McAdam, Kai Logemann, Vilhjálmur Thorsteinsson, and Gudrún Marteinsdóttir **Title:** Lunacy in Atlantic cod: assessing the timing of spawning in Atlantic cod using ocean models and electronic data storage tags
1733	A:12	**Authors:** M. Darriba Estévez and L. González Vilas, G. Martínez, and J. M. Torres Palenzuela **Title:** Use of neural networks to forecast the abundance of Argentine hake in the Southwest Atlantic
1838	A:13	**Authors:** Kasatkina Svetlana and Vladimir Shnar **Title:** Investigation on krill transport factors in the Scotia Sea for the fisheries and management application.
1875	A:14	**Authors:** Sjur Ringheim Lid, Helge Sagen, and Trond Westgård **Title:** Operational data distribution at Institute of Marine Reasearch

1906	A:15	**Authors:** Elizabeth North, Zachary Schlag, and Wen Long **Title:** Indices for fisheries management based on larval transport model predictions
1913	A:16	**Authors:** Henning Wehde and MyOcean Team **Title:** MyOcean, operational products for Fisheries
1920	A:17	**Authors:** Sebastián Vásquez, Marco Correa-Ramírez & Aquiles Sepúlveda. **Title:** Influence of mesoscale oceanographic structures on larval distribution and survival in jack mackerel (*Trachurus symmetricus*) off Central Chile
1946	A:18	**Authors:** I. Bernard, O. Le Moine, J.-Y. Stanisière, S. Pouvreau, P. Goulletquer and F. Dumas **Title:** Site selection for stock replenishment using a hydrodynamic model: example for the pacific oyster *Crassostrea gigas* culture in the Pertuis Charentais
1411	A:19 Poster	**Authors:** O. Krasnoborodko and F. Litvinov **Title:** Chilean Jack Mackerel aggregations in the Southeastern Pacific in winter-spring season 2009 revealed by seabirds observations and oceanographic features
1476	A:20 Poster	**Authors:** Bruno Blanke, Sylvain Bonhommeau, Nicolas Grima, and Yann Drillet **Title:** Lagrangian tracking of *Anguilla anguilla* leptocephali in a 1/12° MERCATOR-OCÉAN simulation of the North Atlantic
1507	A:21 Poster	**Authors:** Kai Logemann, Jon Olafsson, and Gudrun Marteinsdottir **Title:** The climate of Icelandic waters, 1948–2009 – high-resolution, adaptive grid ocean modelling
1611	A:22 Poster	**Authors:** K. J. W. Hyde, M. J. Fogarty, J. A. Hare, and J. E. O'Reilly **Title:** Improved estimates of diatom primary production for use in fishery production potential models
1731	A:23 Poster	**Authors:** John J. Selvaraj, Adriana Martínez, and Angela I. Guzmán **Title:** Environmental preference of Dolphinfish (*Coryphaena hippurus*) derived from remotely sensed data along the Pacific coast of Colombia
1738	A:24 Poster	**Authors:** E. Spyrakos, M. Darriba Estévez, Luis González Vilas, and J. Torres Palenzuela **Title:** Study of demersal fish distribution and environmental conditions in the Great Sole Bank using statistical and GIS techniques
1788	A:25 Poster	**Authors:** Rosa Barciela and Karen Edwards **Title:** Physical and biogeochemical MyOcean operational products and end-user applications
1894	A:26 Poster	**Authors:** Sylvie Giraud Saint-Albin, Patrick Lehodey and Eric Greiner, CLS **Title:** Operational oceanography products and services: how they can help in setting the initial state and trends of ocean?

Theme Session on the risk of failing in integrated coastal zone management (B)

1409	B:01	**Authors:** Vanessa Stelzenmüller, Andy South, Stuart Rogers, Jan van Dalfsen, Peter Jones, Steven Degraer, Marijn Rabaut, and Magda Vincx **Title:** Monitoring and evaluation of spatially managed areas: A generic framework and its application
1443	B:02	**Authors:** Amy Diedrich and Joaquín Tintoré **Title:** Socio-economic and cultural objective setting for supporting the effective use of indicators for integrated management of ecosystems
1472	B:03	**Authors:** Denis Lacroix and François Simard

		Title: Integrating coastal zone dialogues: can initial networking of partners reduce conflicts in marine coastal areas?
1515	B:04	**Authors:** Kira Gee and Andreas Kannen
		Title: Identifying cultural ecosystem services: the coastal futures approach
1523	B:05	**Authors:** P. J. Hayes and I. M. Davies
		Title: Marine Scotland Science: Contribution of bathymetric surveys to marine planning for renewable energy developments
1525	B:06	**Authors:** J. C. McKie and I. M. Davies
		Title: Institutional and regulatory reform to contribute to the achievement of development objectives in the marine environment
1528	B:07	**Authors:** Roland Cormier *et al.*
		Title: Risk-based frameworks in ICZM and MSP decision-making processes
1529	B:08	**Authors:** Roland Cormier, Andreas Kannen, Ian Davies, Rafael Sarda, and Amy Diedrich
		Title: Policy fragmentation implications in ecosystem-based management in practice
1542	B:09	**Authors:** Josianne G. Støttrup *et al.*
		Title: Integrated assessment for use in system based management: ecosystem health and restoration through sustainable use of resources
1622	B:10	**Authors:** Marc Ouellette
		Title: Integrated Coastal Zone Management: bridging the land-water divide
1675	B:11	**Authors:** Inari Helle, Samu Mäntyniemi, Martti Hario, and Sakari Kuikka
		Title: From population modeling to management: Integrating different risk factors affecting a seabird living in the Gulf of Finland, Baltic Sea
1737	B:12	**Authors:** Annukka Lehikoinen, Eveliina Klemola, Samu Mäntyniemi, and Sakari Kuikka
		Title: Probabilistic assessment tool for Water Framework Directive – application to the Gulf of Finland
1741	B:13	**Authors:** Knut Torsethaugen
		Title: Use of reality models (architecture) for integrated coastal zone management
1755	B:14	**Authors:** L. Barillé *et al.*
		Title: The Gerrico project: when modelling helps the integrated management of the coastal area
1758	B:15	**Authors:** Gilbert David *et al.*
		Title: Participatory approach to identify governance indicators for integrated coastal zone management, the case of marine protected areas
1762	B:16	**Authors:** Gilbert David and A. Thomassin
		Title: Some hints on the risk of failing in IZCM
1767	B:17	**Authors:** Jean-Baptise Marre, J. Ferraris, M. Badie, P. Leenhardt, P. H. Wuillemin, and C. Chaboud
		Title: Using bayesian network modeling to cope with the marine protected area governance issue
1776	B:18	**Authors:** Dominique Pelletier *et al.*
		Title: Constructing and validating indicators of Marine Protected Areas performance for decision-support
1850	B:19	**Authors:** Rémi Mongruel *et al.*
		Title: Economic assessment of the ecosystem services provided by freshwater in the coastal zone: an application to the Charente river catchment
1896	B:20	**Authors:** Florence Galletti
		Title: Series of institutional and legal frames in the coastal zone management: where are the risks of failing, where are urgencies in the field of Law?

1430	B:21 Poster	**Authors:** Yves Henocque **Title:** Why and how integrated coastal coastal management should be put into the context of national maritime strategies?
1526	B:22 Poster	**Authors:** I. M. Davies, M. Harrald, and A. Donald **Title:** Application of marine spatial planning tools to the minimisation of risk to renewable energy developments
1489	B:23 Poster	**Authors:** Jacob Spuck **Title:** Short-term chronological visualization of post hurricane destruction in Puerto-Rico using GIS
1857	B:24 Poster	**Authors:** Dorothée Kopp and Anik Brind'Amour **Title:** Spatio-temporal variability of fish functional assemblages along a marine estuarine-coastal gradient
1626	B:25 Poster	**Authors:** Benoit Archambault, Stephanie Mahevas, Guy Cantin, Johanne Gauthier, and Daniel Duplisea **Title:** Assessing potential impacts of Marine Protected Areas on various Gulf of St. Lawrence stocks and fisheries using ISIS-Fish
1588	B:26 Poster	**Authors:** L. A. Kerr, S. X. Cadrin, and A. Kovach **Title:** Ecological and fisheries consequences of a mismatch between biological population structure and management units of Atlantic cod in U.S. waters
1782	B:27 Poster	**Authors:** F. Alban *et al.* **Title:** An indicators system to assess recreational fisheries management goals linked to Marine Protected Areas: example of its implementation in three Mediterranean pilot sites
1784	B:28 Poster	**Authors:** Bodilis Pascaline, Pastor Jérémy, Jarraya Marion, Philippe Lenfant, and Francour Patrice **Title:** Recreational fishing around the Cap Roux MPA (Northwestern Mediterranean Sea): evaluation, impacts, consequences for the future of the Marine Reserve
1821	B:29 Poster	**Authors:** Kevin Leleu, Emilie Vidoni, Frédérique Alban, Charles François Boudouresque, Eric Charbonnel, Yves Letourneur, and Dominique Pelletier **Title:** Marine Protected Areas for coastal fisheries management: Confronting artisanal fishermen's perceptions and fisheries data
1892	B:30 Poster	**Authors:** B. Preuss, D. Pelletier, and E. Gamp **Title:** Recreational fishing: a key issue for resources management in the Southwest lagoon of New-Caledonia
1433	B:31 Poster	**Authors:** B. Morales-Nin, Miquel Palmer, and Antonio María Grau **Title:** Coastal fishing management complexities
1665	B:32 Poster	**Authors:** Solvita Strake **Title:** Management plan as tool for sustainable use of marine resources: lessons from Latvia
1735	B:33 Poster	**Authors:** M. R. Robertson and I. M. Davies **Title:** Marine Scotland Science: Contribution of seabed habitat surveys to marine planning for renewable energy developments
1829	B:34 Poster	**Authors:** Øivind Bergh *et al.* **Title:** Interaction in coastal waters: A roadmap to sustainable integration of aquaculture and fisheries – the COEXIST project
1900	B:35 Poster	**Authors:** Sophie Bastien-Daigle and Matthew Hardy **Title:** The development of a novel regulatory and planning tool to guide the sustainable development of oyster aquaculture in New Brunswick, Canada
1902	B:36 Poster	**Authors:** Matthew Hardy, Marc Ouellette and Roland Cormier **Title:** Environmental vulnerability profiles: characterization of pressures in the southern Gulf of St. Lawrence, Canada
1905	B:37	**Authors:** Matthew Hardy and Ray MacIsaac

	Poster	**Title:** The adaptation of a risk-based approach for integrated coastal management

Theme Session on Natural mortality variation in populations and communities (C)

1387	C:01	**Authors:** Ronald W. Tanasichuk **Title:** An investigation of the biological basis of variation in age-specific survival rates of adult Pacific herring (*Clupea pallasi*) from British Columbia
1912	C:02	**Authors:** Michele Casini, Ulf Bergström, Martin Lindegren, and Philip Axe **Title:** Climate- and fishery-induced changes in predator distribution trigger a spatial reallocation of its prey: the Baltic Sea case study
1389	C:03	**Authors:** M. O. Hammill, D. P. Swain, G. B. Stenson, V. Harvey, and H. P. Benoit **Title:** Is predation by grey seals a major component of the elevated natural mortality of cod in the Gulf of St. Lawrence?
1393	C:04	**Authors:** Bjarte Bogstad, Odd Nakken, Elena Eriksen, and C. Tara Marshall **Title:** Abundance and mortality of Northeast arctic cod and haddock during their first three years of life
1432	C:05	**Authors:** Niels T. Hintzen, Tobias van Kooten, and Reinier Hille Ris Lambers **Title:** Understanding the fishing to natural mortality ratio for management purposes
1459	C:06	**Authors:** Aitor Albaina, Martin I. Taylor, and Clive J. Fox **Title:** Predation impact on juvenile plaice (*Pleuronectes platessa*) in its nursery ground (Tralee Beach, Scotland); field application of a TaqMan real-time PCR based assay targeting plaice DNA
1500	C:07	**Authors:** A. Filin **Title:** Modelling approach for evaluating of natural mortality variation caused by cannibalism in the Barents Sea cod
1610	C:08	**Authors:** Stefan Neuenfeldt, Eero Aro, and Fritz Köster **Title:** Baltic cod cannibalism: Differing consequences at stock recovery versus decline?
1628	C:09	**Authors:** Sascha M. M. Fässler, Mark Dickey-Collas, Mark R. Payne, and Thomas Brunel **Title:** Trends in mortality of young herring larvae - evidence for a link to recruiting year class strength
1793	C:10	**Authors:** D. E. Richardson, J. A. Hare, M. J. Fogarty, and J. S. Link **Title:** The role of haddock egg predation in the collapse of an Atlantic herring population
1795	C:11	**Authors:** Alexander Kempf, Gjert Endre Dingsør, Geir Huse, Morten Vinther, Jens Floeter, and Axel Temming **Title:** The importance of overlap – predicting North Sea cod recovery with a multi species fisheries assessment model
1847	C:12	**Authors:** A. Uriarte, L. Ibaibarriaga *et al.* **Title:** Assessing natural mortality of anchovy from surveys' population and biomass estimates
1860	C:13	**Authors:** Rudi Voss, Stefan Neuenfeldt, Martin F. Quaas, and Jörn O. Schmidt **Title:** Optimal fisheries management accounting for variation in natural mortality: the Baltic sprat and herring case
1895	C:14	**Authors:** Timothy J. Miller **Title:** Finite-state continuous time models to infer regional and ontogenic changes in mortality and migration rates from tag-recovery data for migratory species
1901	C:15	**Authors:** Ricardo Oliveros-Ramos *et al.* **Title:** Integrated assessment model of Peruvian anchovy: interdecadal variation of natural mortality
1903	C:16	**Authors:** Ivonne Ortiz and Kerim Aydin

		Title: Spatially explicit food web models and implications on natural mortality
1929	C:17	**Authors:** Axel G. Rossberg, Keith F. Farnsworth, and David Reid
		Title: Analytic theory of size-spectrum dynamics
1952	C:18	**Authors:** A. Rindorf, N. G. Andersen, and M. Vinther
		Title: Spatial differences in natural mortality of North Sea gadoids
1939	C:19 Poster	**Authors:** R. Ramanibai and N. S. Bharathidevi
		Title: Life history strategies of *Oithona brevicornis* from Muttukadu backwaters of Chennai, Tamilnadu
1954	C:20 Poster	**Authors:** Hrafnkell Eiríksson, Gudrun G. Thorarinsdottir, and Árni Kristmundsson
		Title: On the increase in natural mortality (M) of the Iceland scallop (*Chlamys islandica*) in Breidafjordur, W Iceland, and the succeeding collapse of the fishery in the early 2000s
1397	C:21	**Withdrawn**
1513	C:22 Poster	**Authors:** Stefan Meyer, Catriona Clemmesen, Arne Malzahn, Josianne G. Støttrup, and Myron A. Peck
		Title: Updated Information on impacts of temperature, species and body size on RNA-DNA ratios of starving marine fish larvae
1605	C:23 Poster	**Authors:** Jennifer E. Houle
		Title: The impact of fishing pressure on natural mortality and underlying ecosystem structure
1625	C:24 Poster	**Authors:** Matthew W. Dawson and Simon Northridge
		Title: Survival rate of brown crab (*Cancer pagurus*) discarded from the pot fishery on the West coast of Scotland
1864	C:25 Poster	**Authors:** Ken H. Andersen and Casper Berg
		Title: Size-based assessment of ecosystem effects of fisheries management decisions
1948	C:26 Poster	**Authors:** Myron A. Peck and Edward A. Trippel
		Title: The forgotten sex: paternal effects on embryonic and larval mortality of Atlantic cod (*Gadus morhua* L.)

Theme Session on Fisheries Certification; is it working and what are the implications for ICES?(D)

1413	D:01	**Authors:** Nadia Bouffard
		Title: The Canadian experience in eco-certification in wild-capture fisheries – a balancing act between supporting incentives for sustainable fisheries and the sovereignty of governments to regulate and manage
1441	D:02	**Authors:** Jake Rice
		Title: Ecocertification, assessments, and advice: implications of market measures for traditional practices
1682	D:03	**Authors:** Daniel D. Hoggarth, Oluyemisi Oloruntuyi, and Amanda Stern-Pirlot
		Title: The MSC: measuring fisheries sustainability and the implications for ICES
1692	D:04	**Authors:** Tony Smith and Mat Bartholomew
		Title: The MSC approach to low trophic level fisheries
1770	D:05	**Authors:** Catherine Barrett, Frank Fleming, and Dominic Rihan
		Title: Seafood EMS – A tool for understanding why fishermen do what they do
1856	D:06	**Authors:** Maylynn Nunn, Oluyemisi Oloruntuyi, and Chris Grieve

		Title: Assessing the impact of the Marine Stewardship Council (MSC) programme: can certification and ecolabelling change the fisheries world?
1865	D:07	**Authors:** Peter A. Shelton
		Title: Eco-certification of unsustainable fisheries
1914	D:08	**Authors:** Harriet van Overzee and Adriaan D. Rijnsdorp
		Title: Fishing impacts during spawning, a forgotten element in certification of sustainable fisheries?
1653	D:09 Poster	**Authors:** Tatiana Tunon and Gottfried Pestal
		Title: Reduce, reuse, recycle: applying the principles of industrial/organizational psychology to the workload created by ecocertifications

Theme Session on Elasmobranch Fisheries: developments in stock assessment, technical mitigation and management measures (E)

1412	E:01	**Authors:** Heather Marshall, Lyndsay Field, Achankeng Afiadata, Chugey Sepulveda, Greg Skomal, and Diego Bernal
		Title: Haematological stress parameters in longline captured pelagic sharks
1419	E:02	**Authors:** Emily F. Keiley, Fiona Hogan, Azure Westwood, Dan Georgianna, and Steve Cadrin
		Title: The performance of US fishery management, a case study: the Northeast skate complex
1463	E:03	**Authors:** K. V. Drevetnyak, D. V. Prozorkevich, A. V. Dolgov, and P. A. Murashko
		Title: The Barents Sea skates: using the fishery-independent surveys for estimation of long-term trends in relative abundance and possible considerations to reduce their bycatch
1473	E:04	**Authors:** Feodor Litvinov
		Title: Management measures in elasmobranches fishery: crucial points in life history of pelagic and demersal species
1477	E:05	**Authors:** Laurent Dagorn *et al.*
		Title: Mitigating impacts of tropical tuna purse seine fisheries on elasmobranches
1481	E:06	**Authors:** Fiona Hogan and Steve Cadrin
		Title: Lumping New England skate species into a 'Stock Complex': Does the approach meet our management objectives?
1485	E:07	**Authors:** Jason R. Gasper and Gordon H. Kruse
		Title: The spatial distribution of spiny dogfish (*squalus acanthias*) in the Gulf of Alaska: the use of fishery dependent data, fishery independent data, and generalized modeling for the spatial management of catch and bycatch
1540	E:08	**Authors:** M. R. Hutchinson *et al.*
		Title: The effects of electropositive metals on shark catch rates and behavior
1561	E:09	**Authors:** Helen Dobby, Maurice Clarke, Graham Johnston, Leonie Dransfeld, Francis Neat, and Emma Jones
		Title: Trends in abundance and distribution of deepwater sharks to the west of the British Isles from trawl survey data
1563	E:10	**Authors:** J. R. Ellis, J. F. Silva, S. R. McCully, and T. Catchpole
		Title: UK fisheries for skates and rays (Rajidae): history and development, recent management actions and survivorship of discards.
1564	E:11	**Authors:** S. R. McCully, J. De Oliveira, H. Dobby, S. Beggs, and J. R. Ellis
		Title: The utility of fisheries-independent trawl surveys for evaluating spatial and temporal trends in the relative abundance of Northeast Atlantic spurdog (*Squalus acanthias*)
1581	E:12	**Authors:** Ryan A. Saunders, François Royer, and Maurice W. Clarke
		Title: Winter migration and diving behaviour of porbeagle shark, *Lamna nasus*, in the northeast

		Atlantic
1614	E:13	**Authors:** Steven E. Campana **Title:** Using archival satellite pop-up tags to quantify discard mortality of sharks
1615	E:14	**Authors:** John W. Mandelman, Angela M. Cicia, William B. Driggers III, and James A. Sulikowski **Title:** The immediate and short-term delayed mortality of rajids in western North Atlantic (USA) commercial fishing operations
1639	E:15	**Authors:** Cindy A. Tribuzio, Gordon H. Kruse, and Jon Heifetz **Title:** The complexities of managing a complex: the case of assessing data limited sharks in the Gulf of Alaska
1641	E:16	**Authors:** James Sulikowski, Ben Galuardi, Walter Bubley, William Driggers III, Eric Hoffmayer, Angela Cicia and Paul Tsang **Title:** Dismissing Dogma? What do we really know about the spiny dogfish, *Squalus acanthias*, population in the US western North Atlantic Ocean
1700	E:17	**Authors:** S. R. McCully, J. R. Ellis, J. De Oliveira, F. Scott, S. P. Northridge, and G. M. Pilling **Title:** Application of an Ecological Risk Assessment (ERA) to data deficient species: elasmobranchs of the British Isles
1752	E:18	**Authors:** D. Bernal, C. Heberer, S.A. Aalbers, S. Kohin, B. DiFiore, and C. A. Sepulveda **Title:** Tail-hooking common thresher sharks (*Alopias vulpinus*) leads to levels of capture stress in captured by tail-hooking of
1769	E:19	**Authors:** Hennache Cedric and Gamblin Caroline **Title:** Importance of collaborative research program to implement appropriate management measures of elasmobranch fisheries
1803	E:20	**Authors:** José A. A. De Oliveira, James R. Ellis, and Helen Dobby **Title:** Exploratory assessment model for Northeast Atlantic spurdog
1844	E:21	**Authors:** Angela M. Cicia, Lela Schelenker, John W. Mandelman, and James A. Sulikowski **Title:** Investigating the acute physiological effects of air exposure and the implications on discard survival in skates from the western Gulf of Maine
1845	E:22	**Authors:** J. Marcus Drymon and Sean P. Powers **Title:** Correspondence between the distribution of some shark species and primary productivity in the Gulf of Mexico across multiple scales
1863	E:23	**Authors:** David Chosid, Michael Pol, Frank Mirarchi, Mark Szymanski, and Andrew Mirarchi **Title:** Video observation and testing of a grate to reduce bycatch of spiny dogfish *Squalus acanthias* in a silver hake *Merluccius bilinearis* trawl fishery
1918	E:24	**Authors:** Sebastian A. Pardo, Nicholas K. Dulvy **Title:** Vulnerability in chondrichthyans: how important is uncertainty?
1452	E:25 Poster	**Authors:** Cigdem Yigin and Ali Ismen **Title:** Age, growth, reproduction and feed of bottlenosed skate, *Rostroraja alba* (Lacepède, 1803) in Saros Bay, the north Aegean Sea
1464	E:26 Poster	**Authors:** S. M. Rusyaev, K. M. Sokolov, and K.V. Drevetnyak **Title:** Greenland shark in the Barents Sea: biology, distribution and bycatch
1842	E:27 Poster	**Authors:** J. Marcus Drymon and Sean P. Powers **Title:** Stable isotope analysis of a coastal predator and available prey reveal trophic plasticity in the Atlantic sharpnose shark (*Rhizoprionodon terraenovae*)
	E:28	**Withdrawn**
1527	E:29 Poster	**Authors:** A. M. Orlov, A. O. Shubin, E. G. Kulish, I. N. Mukhametov, and A. V. Vinnikov **Title:** Spiny dogfish, Squalus acanthias, caught as bycatch in salmon driftnet fishery in the Pacific off the Kuril Islands and Kamchatka

1532	E:30 Poster	**Authors:** Joana Fernandez-Carvalho, Rui Coelho, and Miguel Neves Santos **Title:** Age and growth of the big eye thresher shark, *Alopias superciliosus*, in the Eastern Atlantic Ocean
1538	E:31 Poster	**Authors:** Rui Coelho, Miguel Neves Santos, Fábio Hazin, Felipe Carvalho, Joana Fernandez-Carvalho, and George Burgess **Title:** Trans-Atlantic pelagic sharks research initiative
1576	E:32 Poster	**Authors:** Bernard Seret and Antonin Blaison **Title:** Conversion factiors of shark and skate commercial species of the French fisheries
1582	E:33 Poster	**Authors:** S. A. Gulugin and F. F. Litvinov **Title:** Azores submarine mounts as complicated habitats: management measures in the case of multi-gear fishery
1684	E:34 Poster	**Authors:** Paddy Walker, Irene Kingma, and Monique van de Water **Title:** Going Dutch? The European Shark Action Plan in the Netherlands
1695	E:35 Poster	**Authors:** Dimitrios Damalas and Vassiliki Vassilopoulou **Title:** Chondrichthyan catch composition of the bottom trawl fishery in northeastern Mediterranean waters
1802	E.36 Poster	**Authors:** Umberto Scacco *et al.* **Title:** Elasmobranch species of the Adriatic Sea: raw assessment of the abundance of five species through by-catch data obtained from the monitoring of pelagic pair trawl fishery
1822	E:37 Poster	**Authors:** F. Carvalho, F. H. V. Hazin, D. Murie, R. Coelho, H. Hazin, B. L. Mourato, and G. Burgess **Title:** Elasmobranch catches and discards in the pelagic longline fishery in Brazilian fishing grounds in the Southwest Atlantic Ocean: an overview of the last 32 years
1848	E:38 Poster	**Authors:** Monica Barone, Cecilia Mancusi, Fabrizio Serena, and Alvaro Abella **Title:** Demographic analysis for two species of commercial skates for the northern Tyrrhenian and Ligurian seas
1858	E:39 Poster	**Authors:** Monica Barone, Cecilia Mancusi, Giulio Relini and Fabrizio Serena **Title:** Elasmoit project – Elements for the Assessment and Protection of Elasmobranchs in the Italian Seas
1922	E:40 Poster	**Authors:** Miguel Baptista, Ivone Figueiredo, Rui Coelho, and Karim Erzini **Title:** Age and growth of the deep water shark *Galeus melastomus* (Elasmobranchii: Scyliorhinidae), in the southern coast of Portugal
1923	E:41 Poster	**Authors:** Catarina Maia, Bárbara Serra-Pereira, Ivone Figueiredo, and Karim Erzini **Title:** Reproductive biology of *Leucoraja naevus* from continental portuguese waters
1932	E:42 Poster	**Authors:** Gérard Biais and Julie Vollette **Title:** The use of the French long line CPUE to provide an abundance index for porbeagle in the North East Atlantic

Theme Session on Monitoring biological effects and contaminants in the marine environment: where do we go from here? (F)

1450	F:01	**Authors:** C. Martínez-Gómez, V. M. Leon, J. A. Campillo, and J. Benedicto **Title:** Towards an integrated approach for monitoring the effects of chemical contaminants in the Spanish coastal Mediterranean waters
1490	F:02	**Authors:** H. Jones, C. Macleod, K. Swadling, S. Tracey, and E. Butler **Title:** Multiple lines of evidence to identify bioaccumulation mechanisms for mercury (Hg) in estuarine food webs, with an emphasis on a recreationally targeted fish species
1505	F:03	**Authors:** I. Tjensvoll, C. Bradshaw, M. Sköld, I. Allan, J. Molvær, and H. Nilsson

		Title: Suspension of contaminated sediment: a comparative study between trawling and dredging
1558	F:04	**Authors:** T. Jauniaux *et al.*
		Title: Relationship between biological, pathological and toxicological parameters and the cause of death in harbour porpoises (*Phocoena phocoena*) stranded on the coast of Belgium and northern France
1566	F:05	**Authors:** Magdalena Podolska, Ewa Mulkiewicz, Dorota Napierska, and Edward Grawiński
		Title: Baltic cod (*Gadus morhua*). Skin ulcers, bacteriology and biomarker response
1574	F:06	**Authors:** B. E. Grøsvik *et al.*
		Title: PAH and biomarker measurements in fish from condition monitoring in Norwegian waters in 2005 and 2008
1578	F:07	**Authors:** Jacques Bertrand, Xavier Bodiguel, Alain Abarnou, Gilles Bocquené, and Jean-François Chiffoleau
		Title: Chlordecone in the marine environment (in organisms from, in biota) around French West Indies: from measurement to pollution management decisions.
1593	F:08	**Authors:** J. Knoery and D. Claisse
		Title: Insights from 30 years of experience in running the french marine chemical monitoring network
1597	F:09	**Authors:** Matt Gubbins, Jon Moore, Rob Fryer, and Ian Davies
		Title: Long time series data showing recent recovery of gastropod populations from effects of tri-butyl tin at the Shetland Oil Terminal
1599	F:10	**Authors:** Lynda Webster, Rob Fryer, Ian Davies, Matt Gubbins, Patrick Roose, and Colin Moffat
		Title: Environmental status assessment of contaminant concentrations in sediment and biota – assessment criteria and data integration
1616	F:11	**Authors:** Thomas Maes, Brett Lyons, and John Thain
		Title: Developing a fit for purpose and cost effective UK chemical and related biological effects Monitoring Programme
1630	F:12	**Authors:** Sergey Aleksandrov
		Title: Environmental assessment of the South-Eastern Baltic Sea with use of the hydrochemical and hydrobiological data
1676	F:13	**Authors:** Matthias Brenner
		Title: Assessing the health of blue mussels (*Mytilus edulis*) for site-selection of cultivation areas: potentials and constraints of applied parameters
1680	F:14	**Authors:** Edyta Gosz, Mateusz Barcikowski, and Marek Ziętara
		Title: Enzymes activities in spermatozoa as indicators of marine environment pollution
1681	F:15	**Authors:** Olivia Fossi Tankoua, Jean-Claude Amiard, Claude Amiard-Triquet, Brigitte Berthet, Catherine Mouneyrac, and Philip S. Rainbow
		Title: Towards a comprehensive methodology to assess the health status of coastal and estuarine ecosystems
1702	F:16	**Authors:** Ketil Hylland *et al.*
		Title: Integrated marine contaminant monitoring in the North Sea (ICON): a framework for chemical and biological monitoring
1759	F:17	**Authors:** Heikki Peltonen, Matti Verta, and Timo Assmuth
		Title: Issues to consider when monitoring dioxins and PCBs in herring (*Clupea harengus* L.) in the Baltic Sea
1763	F:18	**Authors:** H. Drouineau *et al.*
		Title: Assessing contamination levels in transitional waters using fish-based core metrics : an original approach based on Bayesian framework
1794	F:19	**Authors:** Craig D. Robinson *et al.*
		Title: Integration of passive sampling and mussels monitoring for environmental assessment of Scottish Inshore waters
1797	F:20	**Authors:** Renaud Florent, Barrats Aurélie, Mnif Ines, Clozza Marine, Aribaud Luc, Boissery Pierre,

		and Francour Patrice
		Title: Three-year monitoring of organic and inorganic contaminants in Golfe-Juan bay (Mediterranean – South-East of France)
1809	F:21	**Authors:** Craig D. Robinson, Matthew Gubbins, Margaret McKenzie, Alistair McIntosh, Lynda Webster, John Thain, and Ketil Hylland
		Title: Initial Scottish data from the ICON workshop: biological effects and contaminants in flounder and dab
1820	F:22	**Authors:** T. P. Bean, J. P. Bignell, J. E. Thain, and B. P. Lyons
		Title: The relevance of molecular biomarkers as a component of a weight-of-evidence approach to marine monitoring
1826	F:23	**Authors:** Jan Balaam *et al.*
		Title: Measuring freely dissolved concentrations and effects of priority pollutants in the marine environment: a UK survey
1827	F:24	**Authors:** J. E. Thain *et al.*
		Title: Biological Effects Monitoring in the UK: results from OSPAR JAMP activities
1831	F:25	**Authors:** T. Burgeot, X. J. Forget-Leray, F. Akcha, and G. Bocquené
		Title: Acethylcholinesterase: methodology development of a biomarker and challenges of application for biomonitoring
1841	F:26	**Authors:** J. Tronczynski, C. Munschy, C. Tixier, and S. Azoury
		Title: New approach to the assessment of polycyclic aromatic hydrocarbon monitoring data
1877	F:27	**Authors:** S. Renault *et al.*
		Title: Biochemical and transcriptional impacts of hypoxia on Cadmium and/or Pyralene pre-contaminated European eels
1395	F:28	**Withdrawn**
1404	F:29	**Withdrawn**
1417	F:30 Poster	**Authors:** Joseph Nyingi Kamau, Jane Catherine Ngila, Andrew Kindness, and Tummy Bush
		Title: Equilibrium studies for the sorption of Cu, Mn, and Fe from complex liquid matrices using C-18 solid phase material and acetylacetone as the complexing ligand
1448	F:31 Poster	**Authors:** C. Martínez-Gómez *et al.*
		Title: Evidence of genotoxic effects in red mullet populations from the Mediterranean coast of Spain.
1454	F:32 Poster	**Authors:** Antonio Bode, Ricardo Prego, and Manuel Varela
		Title: Stable nitrogen isotopes as tracers of anthropogenic nitrogen: a comparative analysis of three Northern Galician rias (N Spain) in summer
1461	F:33 Poster	**Authors:** Orest Kopko, Henryka Dabrowska, Ilona Waszak, and Agnieszka Antoniak
		Title: Application of the comet assay to study DNA damage in flounder (*Platichthys flesus*) from the southern Baltic Sea
1502	F:34 Poster	**Authors:** Ranjitha Raveendran and C. H. Sujatha
		Title: Changes in total protein, carbohydrate and carbohydrate in marine organism in cochin estuary
1509	F:35 Poster	**Authors:** Samuel Péan, Tarek Daouk, Anne-Lise Mayeras, Mathieu Besson, Véronique Loizeau, Xavier Cousin, and Marie-Laure Bégout
		Title: From model to fisheries species: behavioural studies to reveal the potential effects of contaminant on fish population
1554	F:36 Poster	**Authors:** Claude Amiard-Triquet, Philip S. Rainbow, and Michèle Roméo
		Title: Operational consequences of tolerance to chemicals in monitoring their biological effects in the marine environment
1567	F:37 Poster	**Authors:** Randel Kreitsberg, Arvo Tuvikene
		Title: What do behavioral experiments tell us?

1601	F:38 Poster	**Authors:** Ian M. Davies, Matt Gubbins and members of ICES/OSPAR Study Group on Integrated Monitoring of Contaminants and Biological Effects (SGIMC) **Title:** Towards integrated assessment of measurements of the biological effects of contaminants
1621	F:39 Poster	**Authors:** Paulo Mafalda Júnior, Marcos Moura Nogueira, Catarina Rocha Marcolin and Christiane Sampaio de Souza **Title:** Effects of shrimp farm effluents on ichthyoplankton community structure in two tropical estuaries
1647	F:40 Poster	**Authors:** Ji-ho Seo, Joong-ki Choi, Hyu-chang Choi, and Young-seuk Park **Title:** Patterning phytoplankton and environmental parameters in Gyeonggi Bay, Korea, using artificial neural networks
1667	F:41 Poster	**Authors:** Florian Nagel, Ulrike Kammann, and Reinhold Hanel **Title:** Bile metabolites of polycyclic aromatic hydrocarbons (PAHs) as a biomarker of pollution in European eel (*Anguilla anguilla*) from German rivers
1683	F:42 Poster	**Authors:** Leili Järv, Mart Simm, Kristiina Fuchs, and Tiit Raid **Title:** The effect of biological peculiarities of fish on contamination with heavy metals: a case study of perch (*Perca fluviatilis*) in Estonian Coastal Sea
1716	F:43 Poster	**Authors:** Vera K. Korff, Annika Behr, Antonia Wargel, Kristina Lehnert, Ursula Siebert, and Veronika Hellwig **Title:** From seals to cells: protein biomarkers to reveal effects of persistent pollutants on primary hepatocytes of *Phoca vitulina*
1736	F:44 Poster	**Authors:** T. Daouk, J. Cachot, F. Akcha, H. Budzinski, V. Loizeau, and X. Cousin **Title:** Embryonic and long-term exposure of zebrafish to persistent organic pollutant (PCB and PAH)
1754	F:45 Poster	**Authors:** Svetlana Piyanova and Irina Yakhontova **Title:** Histological investigation of the Black Sea mollusks for the integrated assessment of their population condition
1768	F:46 Poster	**Authors:** F. Nédélec, F. Bruchon, L. Lampert, and P. Riou **Title:** Implementing the Water Framework Directive methode to evaluate the ecological health status of the Normandy coastal waters (France) regarding phytoplankton and supporting physico-chemical quality elements
1800	F:47 Poster	**Authors:** Renaud Florent *et al.* **Title:** Meeting the European Marine Strategy Framework Directive recommendations: SABELLA Program (Site Atelier pour le suivi du Bon Etat écologique du LittoraL Azuréen)
1817	F:48 Poster	**Authors:** B. P. Lyons, J. E. Thain, G. D. Stentiford, K. Hylland, I. M. Davies, and A. D. Vethaak **Title:** How to use biological effects tools to define Good Environmental Status under the European Union Marine Strategy Framework Directive
1825	F:49 Poster	**Authors:** Joana R. Almeida, Carlos Gravato, and Lúcia Guilhermino **Title:** Bioassay based on fish swimming behaviour for the marine environment: short-term effects of pyrene on the sea bass
1853	F:50 Poster	**Authors:** T. Hamers, P. Cenijn, P. Leonards, F. Smedes, and D. Vethaak **Title:** Toxicity profiling of sediments using silicone passive sampler extracts from the ICON workshop
1869	F:51 Poster	**Authors:** Marion Richard, Johann Lavaud, Fanny Caupos, and Hélène Thomas-Guyon **Title:** Influence of oil and dispersant on the biomass and the photosynthetic activity of microphytobenthos of intertidal mudflats
1904	F:52 Poster	**Authors:** Julia Gorbunova and Alevtina Gorbunova **Title:** Assessment of ecological status of the Volga Delta (Caspian Sea) by phytoplankton
1909	F:53 Poster	**Authors:** L. R. Vieira, N. Bølling, K. Hylland, and L. Guilhermino **Title:** Growth inhibition of the ¬marine planktonic algae *Tetraselmis chuii* by nickel and two polycyclic aromatic hydrocarbons
1921	F:54	**Authors:** Sofia Mesquita, Carlos Gravato, Lúcia Guilhermino, and Laura Guimarães

	Poster	**Title:** Neurotransmission, energy metabolism and moult-related biomarkers in the shore crab, *Carcinus maenas*, following cadmium exposure
1925	F:55 Poster	**Authors:** Timothy J. Barrett, Kelly R. Munkittrick, Michael R. van den Heuvel, Thijs Bosker, Meghan A. Doyle, Vince A. McMullin, and Sean A. McNeill
		Title: Study design considerations and challenges for Canadian marine environmental effects monitoring programs
1824	F:56 Poster	**Authors:** John Thain and Brett Lyons
		Title: Are mussels any good for marine monitoring?

Theme Session Beyond correlations: what are suitable methods for describing and testing non-linear spatio-temporal changes, patterns and relationships? (G)

1429	G:01	**Authors:** Verena Trenkel and Pascal Lorance
		Title: A likelihood method for determining joint time trends in multiple variables: application to deep-water species
1455	G:02	**Authors:** Mafalda Viana, Norman Graham, James G. Wilson, and Andrew L. Jackson
		Title: A multilevel approach to understanding fisheries discards in Irish Waters
1480	G:03	**Authors:** Juan P. Zwolinski, Robert L. Emmet, and David A. Demer
		Title: Predicting habitat for optimizing acoustic and egg sampling of Pacific sardine
1488	G:04	**Authors:** Bernard A. Megrey and Jae Bong Lee
		Title: On the utility of self-organizing maps (SOM) and k-means clustering to characterize and compare spatial and temporal patterns in marine ecosystem productivity
1516	G:05	**Authors:** C. Loots, S. Vaz, B. Planque, P. Koubbi, M. Huret, and P. Petitgas
		Title: What controls the spawning distribution of the Bay of Biscay anchovy: a multi-model approach.
1533	G:06	**Authors:** Thomas E. Helser, Han-lin Lai, and Bryan A. Black
		Title: Beyond correlations: an integrated approach to modeling the effects of climate variability on marine organism growth
1553	G:07	**Authors:** Pavel Gasyukov and Svetlana Kasatkina
		Title: Application of the principle component analysis in research of spatial-temporal distribution of the eastern cod in the Baltic Sea
1575	G:08	**Authors:** G. J. Pierce, E. N. Ieno, M. B . Santos, and A. F. Zuur
		Title: Methodology for analysing long-term variation in harbour seal diet and relationships with fish abundance
1638	G:09	**Authors:** Lorenzo Ciannelli, Valerio Bartolino, and Kung-Sik Chan
		Title: Localized and nonadditive effects of temperature and population abundance on the spatial distribution of arrowtooth flounder (*Atheresthes stomias*) in the eastern Bering Sea
1668	G:10	**Authors:** Mette Skern-Mauritzen, Per Fauchald, Edda Johannesen, Ulf Lindstrøm, Erik Olsen, Arne Bjørge, and Nils Øien
		Title: Spatial organization, interactions and trophic regulation in the pelagic Barents Sea
1688	G:11	**Authors:** Benjamín Quiroz-Martínez, François G. Schmitt, and Jean-Claude Dauvin
		Title: Statistical analysis of polychaete population diversity: hyperbolic extremes and dynamics of two dominant spionid species
1691	G:12	**Authors:** Marcos Llope, Priscilla Licandro, King-sik Chan, and Nils Chr. Stenseth
		Title: Spatio-temporal variation of the plankton trophic interaction in the North Sea
1718	G:13	**Authors:** Kjell Utne, Lorenzo Ciannelli, and Gjert Dingsør
		Title: Spatial overlap of herring and blue whiting in the Norwegian Sea estimated with Generalized Additive Modeling (GAM)

1723	G:14	**Authors:** Laurent Dubroca, Nathalie Malet, Annie Pastoureaud, André Vaquer, Adriana Zingone, and Maria Grazia Mazzocchi **Title:** Multidimensional time series visualization: introducing STATIS trajectory plot as an operational tool to detect ecosystem changes
1764	G:15	**Authors:** Stéphanie Mahévas, Anik Brind'Amour, Lise Bellanger, Pierre Legendre, and Mathieu Doray **Title:** Investigating spatial and temporal relationships in fisheries and ecology field using rigorously Moran's eigenvector maps
1828	G:16	**Authors:** E. Walker *et al.* **Title:** 3D estimation of chlorophyll-a fields in the Kerguelen Plateau from Southern Elephant Seal sensors and satellite data
1835	G:17	**Authors:** Eric D. H. Durieux, Anik Brind'Amour, and Jocelyne Morin **Title:** Temporal changes in the spatial coupling between bentho-demersal fishes and their macrobenthic preys in the Seine estuary
1846	G:18	**Authors:** Bruce J. McAdam, Timothy B. Grabowski, and Gudrun Marteinsdottir **Title:** Testing for differences in spatial distributions from telemetry data
1878	G:19	**Authors:** Rabea Diekmann, Saskia Otto, Jens Floeter, and Christian Möllmann **Title:** Application of multivariate and time series methods to describe and identify regime shifts in marine ecosystems
1889	G:20	**Authors:** Mathieu Woillez, Pierre Petitgas, Martin Huret, Caroline Struski, and Fabien Leger **Title:** Statistical change detection in the spatio-temporal dynamics of the biophysical model outputs: towards an operational monitoring of the environment of the Bay of Biscay
1935	G:21	**Authors:** Jui-Han Chang, Yong Chen, William Halteman, and Richard Wahle **Title:** Impact of spatial scale on estimating stock-recruitment relationship
1938	G:22	**Authors:** Yan Jiao, Rob O'Reilly, Eric Smith, and Don Orth **Title:** Develop a Bayesian hierarchical spatially structured model to integrate different survey indices into a statistical catch-at-age model for Atlantic weakfish (*Cynoscion regalis*)
1949	G:23	**Authors:** J. J. Poos, A. T. M. van Helmond, G. Aarts, S. Vandemaele, and W. Willems **Title:** Estimating spatial and temporal variability of marine species based on vessels-of-opportunity observations
1399	G:24 Poster	**Authors:** Saang-Yoon Hyun, and Rishi Sharma **Title:** Integrated forecasts of northeast Pacific fall Chinook salmon returns
1408	G:25 Poster	**Authors:** Sally Roman and Steve Cadrin **Title:** The use of generalized additive models to examine relationships between environmental variables and commercial catch rates
1424	G:26 Poster	**Authors:** Allan Tucker and Daniel Duplisea **Title:** Machine learning functional models of fish population interaction
1598	G:27 Poster	**Authors:** Hannes Höffle and Peter Munk **Title:** Linkages between hydrography and fish spawning sites in the southern North Sea – observations 2004 and 2009
1607	G:28 Poster	**Authors:** Bjarki Thor Elvarsson and Gunnar Stefansson **Title:** On the testing of marine multispecies models
1608	G:29 Poster	**Authors:** Gudmundur Thordarson, Warsha Singh, Sisira Haputhantri, and Gunnar Stefansson **Title:** Bootstrap evaluation of length sampling strategies
1623	G:30 Poster	**Authors:** Lucía Rueda Ramírez, Ana Cañadas, Ricardo Sagarminaga, and Steven X. Cadrin **Title:** Environmental factors related to loggerhead turtle distribution in the Alboran Sea

1730	G:31 Poster	**Authors:** Deepak George Pazhayamadom, Emer Rogan, Ciaran Kelly, and Edward Codling **Title:** Reliable and robust indicators for control chart based fisheries management
1739	G:32 Poster	**Authors:** Kristina Raab, Marcos Llope, Priscilla Licandro, Adriaan D. Rijnsdorp, Leo A. J. Nagelkerke, and Mark Dickey-Collas **Title:** Environmental and spatial clues to explain anchovy expansion in the North Sea
1760	G:33 Poster	**Authors:** Jason D. Stockwell, Thomas C. Weber, Adam J. Baukus, and J. Michael Jech **Title:** Efficacy of using multiple acoustic systems to quantify Atlantic herring (*Clupea harengus*) aggregation metrics before and after fishing events
1772	G:34 Poster	**Authors:** Loïc Baulier, Lionel Pawlowski, Pascal Lorance, and Verena M. Trenkel **Title:** Analysis of species associations in deep-sea fisheries off the British Isles from an industry haul by haul database
1781	G:35 Poster	**Authors:** Cristina Silva and Fátima Cardador **Title:** Portuguese crustacean trawl fishery in ICES Division IXa: spatial and temporal distribution patterns of rose shrimp and Norway lobster
1785	G:36 Poster	**Authors:** Owen C. Nichols and Steven X. Cadrin **Title:** Environmental effects on seasonal variability in squid distribution – are local conditions important?
1806	G:37 Poster	**Authors:** Michaël Gras, Jérôme Quinquis, Eric Foucher, and Jean-Paul Robin **Title:** Recent trends in fishing effort by French otter bottom trawl in the English Channel and consequences on Cephalopod resources
1815	G:38 Poster	**Authors:** Jesper Martinsson and A. Nissling **Title:** Movement patterns of juvenile turbot (*Psetta maxima*) and flounder (*Platichthys flesus*)
1830	G:39 Paper	**Authors:** Laure Gardel, Sandrine Vaz, and Youen Vermard **Title:** Modelling species distributions using GLM: the impact spatial exploitation and climate change
1885	G:40 Poster	**Authors:** Nathalie Caill-Milly, Frank D'Amico, and Noëlle Bru **Title:** A reassessment of the relationships between the state of the stock of Manila clam (*Ruditapes philippinarum*) and selected factors (natural and anthropological) in the Arcachon Bay: toward a better use of time partitioning and complementary multivariate descriptive approaches
1930	G:41 Poster	**Authors:** Mathieu Woillez, Patrick Ressler, Chris Wilson, and John Horne. **Title:** Spatio-temporal patterns of near-surface acoustic backscattering in the eastern Bering Sea based on multi-frequency analysis and geostatistical methods
1937	G:42 Poster	**Authors:** Yan Jiao, Eric Smith, Rob O'Reilly, and Don Orth **Title:** Test hypotheses of nonstationary population dynamics through Bayesian model selection among statistical catch-at-age models: an example using Atlantic weakfish (*Cynoscion regalis*) fishery

Theme Session on Benthic indicators: responding to different human pressures and assessing integrative quality status (H)

1435	H:01	**Authors:** Jean-Claude Dauvin *et al.* **Title:** Benthic Indicators for assessment the quality status of coastal soft-bottom communities: response of different indices to diverse human pressures in the North-eastern Atlantic and Mediterranean Sea
1440	H:02	**Authors:** Jake Rice *et al.* **Title:** The European Marine Strategy Framework Directive: a proposal to define good environmental status for the 'seafloor integrity' descriptor
1446	H:03	**Authors:** Nigel Keeley and C. Macleod **Title:** A practical evaluation of biotic indices and indicators of benthic health as a means to assess the sustainability of integrated aquaculture operations in Southern Temperate ecosystems

1465	H:04	**Authors:** Hugues Blanchet, Benoît Gouillieux, Jean-Michel Amouroux, Guy Bachelet, Anne-Laure Barillé, Jean-Claude Dauvin, Xavier de Montaudouin, and Valérie Derolez **Title:** Development of a new method based on benthic invertebrates for the bio-evaluation of estuarine transitional water bodies ecological quality status according to the European Water Framework Directive
1466	H:05	**Authors:** C. Labrune *et al.* **Title:** Comparison of biotic indices assessed through benthic macrofauna and sediment profile images along a perturbation gradient in front of the Rhône River
1474	H:06	**Authors:** Angel Borja *et al.* **Title:** Assessing the ecological status within European transitional waters (northeast Atlantic): intercalibrating different benthic indices
1491	H:07	**Authors:** Iñigo Muxika, Paul J. Somerfield, Ángel Borja, K. Robert Clarke, and Richard M. Warwick **Title:** Assessing the usefulness of some recently proposed modifications to the AZTI marine biotic index (AMBI)
1496	H:08	**Authors:** Gert Van Hoey *et al.* **Title:** The use of benthic indicators in Europe, from the Water Framework Directive to the Marine Strategy Framework Directive
1501	H:09	**Authors:** Bettina Riedel, M. Stachowitsch, and M. Zuschin **Title:** Low dissolved oxygen impacts in the Northern Adriatic: critical thresholds for benthic assemblages
1557	H:10	**Authors:** Enrico Barbone, Sofia Reizopoulou, and Alberto Basset **Title:** Weighing sources of natural variability of transitional water macroivertebrates: a comparison of metrics.
1571	H:11	**Authors:** Hans Cederwall **Title:** Can historic data be used to set reference values – A test on Baltic Sea benthos data
1697	H:12	**Authors:** Martina Orlando-Bonaca, Borut Mavrič, and Gorazd Urbani **Title:** Development of a new index for the assessment of hydromorphological alterations of the Mediterranean rocky shore
1756	H:13	**Authors:** Mariéva Denoyelle, Frans J. Jorissen, François Galgani, and Jacques Miné **Title:** Comparison of benthic foraminifera and macrofaunal indicators of the impact of oil-based drill mud disposal
1774	H:14	**Authors:** T. Bacci *et al.* **Title:** Analysis of biological quality elements (bqes) and human-induced pressures to assess the benthic ecological status of coastal ecosystems under the WFD (2000/60/ec)
1804	H:15	**Authors:** Araceli Puente, José A. Juanes, Beatriz Echavarri-Erasun, Cristina Galván, and Bárbara Ondiviela **Title:** A proposal for the assessment of the composition and community structure of benthic macroinvertebrates in transitional waters. The QSB index
1819	H:16	**Authors:** Pascal Laffargue and Jocelyne Martin **Title:** On the relevance of epibenthic invertebrate community data from standard fisheries trawling surveys to qualify soft bottoms habitats
1823	H:17	**Authors:** Patricia García-Marín, Ignacio Hernández, Susana Cabaço, Fernando G. Brun, João Silva, Rui Santos, and Juan J. Vergara. **Title:** Seagrass Indicators in South Iberian Peninsula: first steps to fulfil WFD requirements
1849	H:18	**Authors:** W. M. Rauhan Wan Hussin, Keith M. Cooper. Christopher R.S. Barrio Froján, Emma Defew, Julie Bremner, and David M. Paterson **Title:** Physical disturbance impacts on ecosystem function: a comparitive analysis using traditional and novel approaches
1879	H:19	**Authors:** S. N. R. Birchenough, R. E: Parker, L Brooks, and J. Barry **Title:** Development of a combined indicator of bioturbation and redox, a proxy for seabed function?
1943	H:20	**Authors:** Georg Martin and Kaire Torn

		Title: Response of different indicators of Submerged Aquatic Vegetation to eutrophication related environment characteristics in coastal waters of NE Baltic Sea.
1398	H:21	**Withdrawn**
1421	H:22 Poster	**Authors:** Velda Lauringson, Jonne Kotta, Kristjan Herkül, Ilmar Kotta, Arno Põllumäe, and Triin Veber **Title:** Biological water quality indices in the changing world
1458	H:23 Poster	**Authors:** Andrea Forchino, Angel Borja, Fabio Brambilla, José Germán Rodríguez, Iñigo Muxika, Genciana Terovaa, and Marco Saroglia **Title:** Evaluation of the influence of off-shore cage aquaculture on the benthic ecosystem in the Alghero bay (Sardinia, Italy), using AMBI and M-AMBI
1478	H:24 Poster	**Authors:** Laura Langan **Title:** Using Biofilms as an early warning signal of contaminant exposure: a baseline study from Irish coastal waters, using the marine flatfish dab *Limanda limanda*
1495	H:25 Poster	**Authors:** Gert Van Hoey, Tom Ysebaert, and Kris Hostens **Title:** Measuring the impact degree of different pressure types with the Benthic Ecosystem Quality Index (BEQI).
1609	H:26 Poster	**Authors:** Heliana Teixeira *et al.* **Title:** Assessing coastal benthic macrofauna community condition using best professional judgement – developing consensus across North America and Europe
1717	H:27 Poster	**Authors:** Marie-Noëlle de Casamajor, Erwan ArGall, Michel Le Duff, and Angel Borja **Title:** Comparaison of two methods for the ecological status assessment of benthic intertidal macroalgae, within the Basque coast, for the European Water Framework Directive
1386	H:28	**Withdrawn**
1403	H:29 Poster	**Authors:** Ricardo Bermejo, Juan José Vergara and Ignacio Hernández **Title:** Application and adaptation of the Reduced Species List (RSL-index) to the Atlantic coasts of Southern Spain
1431	H:30 Poster	**Authors:** C. Barras, E. Geslin, F. Jorissen, B. Andral, and P. Boissery **Title:** Benthic foraminifera as bio-indicators of coastal water quality in the Mediterranean Sea in relation to the implementation of the Water Framework Directive
1467	H:31 Poster	**Authors:** Isabel Díez, María Bustamante, Alberto Santolaria, Javier Tajadura, Muguerza Nahiara, and José María Gorostiaga **Title:** Intertidal rocky assemblages as a tool for assessing ecological status: A case study in the Basque coast
1479	H:32 Poster	**Authors:** Laura Langan **Title:** A baseline biomarker study for the south coast of Ireland, using the dab *Limanda limanda*
1559	H:33 Poster	**Authors:** Aurelia Caldararu, Enrico Barbone, Ilaria Rosati, Maurizio Pinna, and Alberto Basset **Title:** Responses of size spectra indices to 'semi-natural' human pressures: the case of saltworks
1651	H:34 Poster	**Authors:** Magdalena Błeńska, Andrzej Osowiecki, Wojciech Kraśniewski, Zdzisława Piątkowska, and Elzbieta Łysiak-Pastuszak **Title:** Macrozoobenthos quality assessment in the Polish part of the Southern Baltic Sea using a biotic index "B"
1897	H:35 Poster	**Authors:** Mitchell MacMillan and P. A. Quijon **Title:** Sandy beach invertebrates and their relationships to beach geomorphology and erosion rate: studying community structure in a highly vulnerable system in eastern Canada
1911	H:36 Poster	**Authors:** Kristina Dencheva **Title:** Morpho-functional parameters of macrophytobenthic communities - indicators of different levels of anthropogenic pressure along the Bulgarian Black Sea coastal and transitional waters
1457	H:37 Poster	**Authors:** Jonathan Beecham, M. D. Platts, and S. Jennings **Title:** A System for the spatially explicit modelling of communities of class-structured benthic organisms

Theme Session on Development of environmentally responsible fishing gear using knowledge of fish behaviour (I)

1518	I:01	**Authors:** Sonia Méhault, Fabien Morandeau, Pascal Larnaud, Mathieu Mouchel, and Marc Meillat **Title:** Fish pots trials in the bay of Douarnenez (Brittany, France)
1633	I:02	**Authors:** G. Bavouzet *et al.* **Title:** Toothfish fishery around Crozet islands : from longline to trap, an alternative solution for depredation
1698	I:03	**Authors:** Mike Breen **Title:** Fish Pots – "The Dark Side"
1701	I:04	**Authors:** Mike Breen, James Mair, and Francis Neat **Title:** The development of fish pots as a survey tool in inshore waters
1714	I:05	**Authors:** Mikael Lundin, Linda Calamnius, Lars Hillström, and Sven-Gunnar Lunneryd **Title:** Selection of smaller individuals of herring (*Clupea harengus membras*) through rigid grids, under the influence of abiotic and biotic factors in a herring push-up trap
1743	I:06	**Authors:** Yuri V. Gerasimov, Oleg M. Lapshin, and Ivan G. Istomin **Title:** Fish behaviour patterns like a basis for determining catching parameters of fish pots
1753	I:07	**Authors:** Mikael Ovegård, Sara Königson, Anders Perssona, and Sven-Gunnar Lunneryd **Title:** The effect of escape windows on the capture of Baltic cod in floated pots
1832	I:08	**Authors:** Håkan Westerberg and Karin Westerberg **Title:** Properties of odour plumes from baited traps
1834	I:09	**Authors:** Björn Björnsson, Hjalti Karlsson, and Sigmar Gudbjörnsson **Title:** The presence of experienced cod (*Gadus morhua*) facilitates the acoustic training of naïve conspecifics
1867	I:10	**Authors:** Robert Marcella, Michael Pol, and Mark Szymanski **Title:** Determining the seasonal catchability of Atlantic cod *Gadus morhua* pots
1887	I:11	**Authors:** Bjarti Thomsen **Title:** Alternative stimulation to direct fish into fish pots
1951	I:12	**Authors:** Sara Königson, Sven-Gunnar Lunneryd, and Fredrik Ljunghager **Title:** Cod pots, an alternative fishing gear to nets and hooks?
1696	I:13 Poster	**Authors:** Hai P. Nguyen **Title:** Size selectivity of the stake net (Set net, 'No sao') for Metapenaeus ensis (De Haan, 1844) with the mesh size at collecting trap of 12, 15 and 18 mm.
1715	I:14 Poster	**Authors:** Mikael Lundin and Linda Calamnius **Title:** Push-up trap; an environmental solution in solving the seal-conflict for small scale fisheries
1839	I:15 Poster	**Authors:** Dominic Rihan and H.Tan **Title:** Development of an experimental lampara net fish for Atlantic Saury (*Scomberesox saurus*)
1941	I:16 Poster	**Authors:** Isobel Bloor, F. Bezin, J. P. Robin, E. L. Jackson, and M. J. Attrill **Title:** Inshore spawning habitats for English Channel cuttlefish (*Sepia officinalis*): preliminary observations of substratum choice for egg attachment

Theme Session on Environmental sustainability of aquaculture activities in coastal zones (J)

1447	J:01	**Authors:** A. Najafi Jilani
		Title: Numerical modeling of aquaculture contaminants in southeast lagoon of Caspian Sea
1517	J:02	**Authors:** Gunnvør á Norði, Ronnie N. Glud, Knud Simonsen, and Eilif Gaard
		Title: Accumulation and mineralization of fish farming residuals in footprint area at two different farming locations in a Faroese fjord
1519	J:03	**Authors:** C. J. Byron, D. Bengtson, R. Rheault, D. Alves, D. Beutel, and B. Costa-Pierce
		Title: Working toward consensus: application of carrying capacity in management of bivalve aquaculture
1556	J:04	**Authors:** R. Le Boucher *et al.*
		Title: Can genetic improvement in aquaculture reduce the impact on fisheries ? The case of European sea bass (Dicentrarchus labrax) fed on a totally plant-ingredient based diet
1595	J:05	**Authors:** José A. Pérez Agúndez, Johanna Ballé-Beganton, Rémi Mongruel, Hélène Rey-Valette, amd Eden Yimam
		Title: The economic shellfish farming vulnerability due to microbiological contaminations of the Thau lagoon. A modelling approach using an integrative systematic platform
1640	J:06	**Authors:** Simon Jones
		Title: Declining abundances of sea lice (*Lepeophtheirus salmonis* and *Caligus clemensi*) on juvenile Pacific salmon (Oncorhynchus spp.) in a region of intensive salmon aquaculture in western Canada
1646	J:07	**Authors:** Catriona Macleod and John Parslow
		Title: A tri-partisan (science, industry and government) approach to adaptive ecosystem management and sustainable aquaculture development
1669	J:08	**Authors:** Pauline Kamermans, Bert Brinkman, Marnix Poelman, Roel Riegman, Karin Troost, and Aad Smaal
		Title: Monitoring production and environmental effects of seed mussel collectors in Dutch coastal waters
1671	J:09	**Authors:** Nina Sandlund, Renate Johansen and Øivind Bergh
		Title: Viral haemorrhagic septicemia in Norway – possible interactions between farmed and wild fish
1678	J:10	**Authors:** J. Mazurié, J. F. Bouget, J. Y. Stanisière, F. Andrieux-Loyer, C. Seguineau, G. Thouzeau, and J. L. Nicolas.
		Title: Mortalities of *Crassostrea gigas* (Thunberg) cultured in a subtidal bay (bay of Quiberon, France), in relation to environmental conditions
1837	J:11	**Authors:** Simon Northridge, Gordon, Booth, and Calderan
		Title: Salmon farms, seals and cetaceans in Scotland: a triangle of troubles
1886	J:12	**Authors:** Christopher W. McKindsey, Pauline Robert, and Philippe Archambault
		Title: Evaluation of dose-response effects of farmed mussel biodeposition on benthic communities
1890	J:13	**Authors:** Olivia A. Puckrin, Edward A. Trippel, and Craig F. Purchase
		Title: Potential inbreeding of farmed Atlantic cod (*Gadus morhua*) and subsequent quality and effect of embryos released into the environment.
1950	J:14	**Authors:** Yannick Gueguen, Nathalie Cochennec-Laureau, Pierre Garen, Gilles Le Moullac, Caroline Montagnani, and Jean-Claude Cochard
		Title: Sustainable development of pearl farming industry in French polynesia
1624	J:15	**Authors:** El-Bermawi Nagy
		Title: Reproductive performance and offspring quality in crayfish (*Cherax quadricarinatus*) broodstock fed different diets
1514	J:16 Poster	**Authors:** Ahmed. Md. Salem and Shaimaa. M. Hebalah
		Title: Sustainable marine fish reproduction and larval rearing development using probiotics: effects of using probiotics ((*Bacillus subtilis*) bacteria and chlorella sp algae) as aquaculture disinfectants on gilthead sea bream embryonic and newly hatched larval rearing development
1699	J:17	**Authors:** A. Stene, J. Kennedy, T. Barnung, A. Hellebø, W. Hemmingsen, and J. E. Rønneberg

	Poster	**Title:** Interactions between wild and farmed cod within a fjord in Norway
1810	J:18 Poster	**Authors:** Maja Walter, Myron A. Peck, and Edward A. Trippel **Title:** Impact of food deprivation on compensatory growth response and activity of juvenile Atlantic cod (*Gadus morhua*)

Theme Session on Global change and aquatic bioinvasions (K)

1427	K:01	**Authors:** Henn Ojaveer, Andres Jaanus, Jonne Kotta, Arno Põllumäe, Maria Põllupüü, Mart Simm, and Markus Vetemaa **Title:** Dynamics of alien species in the NE Baltic Sea: factors responsible and comparison with the natives
1539	K:02	**Authors:** Audrey Rohfritsch, Nicolas Bierne, Pierre Boudry, Arnaud Huvet, Serge Heurtebise, Florence Cornette, and Sylvie Lapegue **Title:** Genomics of adaptation of the Pacific oyster, *Crassostrea gigas*, in the context of its geographic expansion in Europe
1555	K:03	**Authors:** R. Jihane Trigui *et al.* **Title:** Preliminary results of the impact of the invasive species Manila Clam *Ruditapes philippinarum* on the benthic compartment of the Rance estuary (Western English Channel, France)
1650	K:04	**Authors:** Mariana Tamayo and Julian D. Olden **Title:** Economic impacts of Eurasian milfoil on lake property values
1656	K:05	**Authors:** Alexandra Valdizan, Peter G. Beninger, Bruno Cognie, and Priscilla Decottignies **Title:** How the efficient reproductive strategy of an alien species can lead to propose an innovative biomass control strategy?
1672	K:06	**Authors:** Martin Marzloff, Craig R. Johnson, L. Rich Little, and Stewart D. Frusher **Title:** Ecological modelling of the impacts of the invasive long-spined sea urchin on Tasmanian rocky-reefs communities and fisheries.
1673	K:07	**Authors:** Maiju Lehtiniemi, Jamileh Javidpour, Andreas Lehmann, and Kai Myrberg **Title:** Spreading and reproduction limitations of the American comb jelly *Mnemiopsis leidyi* in the Baltic Sea
1732	K:08	**Authors:** Tyler Pickering and Pedro A. Quijon **Title:** The spread of invasive species and the sustainability of shellfish resources: shifting populations of the European green crab threaten prime oyster habitats in Prince Edward Island, Canada
1876	K:09	**Withdrawn**
1888	K:10	**Authors:** Nina Mikkelsen and Torstein Pedersen **Title:** Predation by the invasive red king crab (*Paralithodes camtschaticus*) on lumpsucker (*Cyclopterus lumpus*) in the Barents Sea
1953	K:11	**Authors:** Stephan Gollasch and Matej David **Title:** How to proof compliance with the standards of the ballast water management convention
1492	K:12 Poster	**Authors:** Anastasija Zaiko, Sergej Olenin, and Henn Ojaveer **Title:** Invasive alien species in European marine ecosystems
1535	K:13	**Authors:** Aibin Zhan, Hugh J. MacIsaac, and Melania E. Cristescu **Title:** Invasion genetics of the Ciona intestinalis species complex: From regional endemism to global homogeneity
1544	K:14 Poster	**Authors:** Jan H. Sundet and Einar M. Nilssen **Title:** Seasonal movement patterns of the introduced red king crab (*Paralithodes camtschaticus*), in northern Norway
1549	K:15	**Authors:** Daniel Masson, G. Thomas, and S. Genauzeau

	Poster	**Title:** Ship's balast water discharged in french ports: noxious phytoplankton threat
1572	K:16 Poster	**Authors:** Tracy McCollin and Lyndsay Brown **Title:** Assessing the risk of transporting non native species to Scotland via biofouling on vessels
1586	K:17 Poster	**Authors:** Melanie A. Rossong, P. A. Quijon, P. J. Williams, and P. V. R. Snelgrove **Title:** Foraging behaviour of the American lobster (*Homarus americanus*) in the presence of an invasive crab
1587	K:18 Poster	**Authors:** Elizabeta Briski, Melania E. Cristescu, Sarah A. Bailey, and Hugh J. MacIsaac **Title:** Use of DNA barcoding to detect invertebrate invasive species from diapausing eggs
1596	K:19 Poster	**Authors:** Sara Ghabooli, Tamara A. Shiganova, Aibin Zhan, Melania E. Cristescu, Peyman Eghtesadi-Araghi, and Hugh J. MacIsaac **Title:** Multiple introductions and invasion pathways of the invasive ctenophore *Mnemiopsis leidyi* in Eurasia
1606	K:20 Poster	**Authors:** Hannes Höffle, Mads S. Thomsen, Thomas Wernberg, and Marianne Holmer **Title:** Impacts of invasive species on seagrass health under present and future temperature regimes – a case study from two climate zones
1619	K:21 Poster	**Authors:** Abisola A. Adebayo, Sarah A. Bailey, and Hugh J. MacIsaac **Title:** Lakers as vectors for the introduction and spread of nonindigenous species in the Great Lakes – St. Lawrence River
1742	K:22 Poster	**Authors:** Jean-Sebastian Houziaux *et al.* **Title:** Invasion of the southern bight of the North Sea by the American jack-knife clam Ensis directus: ecological consequences and fishery perspectives
1745	K:23 Poster	**Authors:** Francisco Javier Tajadura Martín, María Bustamante, and José Ignacio Sáiz Salinas **Title:** Non-indigenous faunal species of the intertidal and subtidal hard benthic substrates in the "Abra de Bilbao" (N. Spain)

Theme Session on Spatially-explicit models for plankton and fish: processes, model integration and forecasts (L)

1402	L:01	**Authors:** Daniel R. Goethel and Steven X. Cadrin **Title:** Integrating larval dispersal into a full life history stock assessment model
1456	L:02	**Authors:** Jonathan Beecham, J. Bruggeman, J. N. Aldridge, and S. Mackinson **Title:** Linking Biogeochemical and Upper Trophic Level Models using an Xml based Semantic Coupler
1475	L:03	**Authors:** Wolfgang Fennel **Title:** Modelling the food web (nutrient to fish) of the Baltic Sea
1487	L:04	**Authors:** Bernard A. Megrey, Kenneth A. Rose, Enrique N. Curchitser, Kate Hedstrom, Jerome Fiechter, Miguel Bernal, Shin-ichi Ito, Salvador Lluch-Cota, and Chris Ed **Title:** Development of a climate-to-fish-to-fishers model: proof-of-principle using long-term population dynamics of anchovies and sardines in the California Current
1494	L:05	**Authors:** John Steele (WHOI), Mike Heath (Strathclyde), and Jim Ruzicka (OSU) **Title:** Spatial structure in E2E models of shelf ecosystems
1503	L:06	**Authors:** Lorna R. Teal, Ralf van Hal, and Adriaan D. Rijnsdorp **Title:** Modelling habitat quality of demersal life stages of plaice under past and future climate scenarios
1510	L:07	**Authors:** Martin Huret, Pierre Petitgas, and Caroline Struski **Title:** Integrating a sequence of models over different life stages to predict the response of fish populations to environmental drivers: anchovy in the Bay of Biscay

1541	L:08	**Authors:** Thomas Neumann **Title:** Climate change effects on the Baltic Sea ecosystem: a model study
1545	L:09	**Authors:** Solfrid Sætre Hjøllo, Geir Huse, and Morten D. Skogen **Title:** Modeling secondary production in the Norwegian Sea with a fully coupled model system
1569	L:10	**Authors:** Morgane Travers-Trolet and Yunne-Jai Shin **Title:** Synergistic and antagonistic effects of fishing and climate on the southern Benguela ecosystem assessed by the ROMS-N2P2Z2D2-OSMOSE coupled model
1584	L:11	**Authors:** Zeren Gurkan, Asbjorn Christensen, and Henrik Mosegaard **Title:** Modelling the spatio-temporal dynamics in growth and survival of larval cod and sandeel in the North Sea by using individual-based models integrated with spatially-explicit 3-D hydrodynamic and biogeochemical models
1585	L:12	**Authors:** Myron A. Peck, Ute Daewel, Marc Hufnagl, Johannes Pätsch, and Jens Rasmussen **Title:** Will North Sea nutrient reductions impact larval fish survival?
1674	L:13	**Authors:** Olga Hernandez *et al.* **Title:** Modeling of anchoveta and sardine populations in the Humboldt Upwelling System with a spatial Modeling of anchoveta and sardine populations in the Humboldt Upwelling System with a spatial ecosystem and populations dynamics model (SEAPODYM)
1710	L:14	**Authors:** George Triantafyllou, Kostas Tsiaras, George Petihakis, Dimitris Politikos, Stylianos Somarakis, Shin-Ichi Ito, Bernard A. Megrey and Annika Pollani **Title:** Implementation and data assimilation on the 3D-IBM for the European anchovy (*Engraulis encrasicolus*) in the north Aegean Sea (eastern Mediterranean)
1765	L:15	**Authors:** Philippe Verley **Title:** ICHTHYOP 3.0: a Lagrangian tool to simulate ichthyoplankton dynamics
1778	L:16	**Authors:** Kjell Rong Utne, Solfrid Hjøllo, Geir Huse, and Morten Skogen **Title:** Consumption of zooplankton by pelagic fish in the Norwegian Sea based on a fully coupled 3D model system
1843	L:17	**Authors:** Rubao Ji, Cabell Davis, and Christoph Stegert **Title:** Modeling copepod populations in the Gulf of Maine: building prediction capability through a process-oriented approach
1851	L:18	**Authors:** Colleen M. Petrik, Cabell S. Davis, and Rubao Ji **Title:** Coupling models of hydrodynamics, prey, and larval haddock on Georges Bank
1891	L:19	**Authors:** S. Winger Svendsen, C. Schrum, U. Daewel, and D. Pushpadas **Title:** Tidal variability and its structuring influence on the North Sea ecosystem, modelling impacts of tidal vs climatic drivers
1926	L:20	**Authors:** Carolina Parada *et al.* **Title:** Advances in biophysical modeling of Chilean jack mackerel in the South Pacific
1928	L:21	**Authors:** Kerim Aydin and Ivonne Ortiz **Title:** Integrating data, fieldwork, and models into an ecosystem-level forecasting synthesis: the Forage-Euphausiid Abundance in Space and Time (FEAST) model of the Bering Sea Integrated Research Program
1388	L:22	**Withdrawn**
1445	L:23 Poster	**Authors:** C. W. Brown *et al.* **Title:** Development of a Chesapeake Bay Ecological Prediction System
1462	L:24 Poster	**Authors:** V. T. Dayala, C. H. Sujatha, and P. S. Akhil **Title:** The Analysis and Identification of biological production of dimethyl sulphide(DMS) and dimethylsulphoniopropionate (DMSP) by phytoplankton in the Cochin Estuarine System

1547	L:25 Poster	**Authors:** David B. Sampson **Title:** Population-selectivity and the influence of spatially heterogeneous fishing
1580	L:26 Poster	**Authors:** Inna Senina, Patrick Lehodey, Beatriz Calmettes, and John Hampton **Title:** Applications of a spatially explicit model for predicting tuna population dynamics under oceanographic forcing
1589	L:27 Poster	**Authors:** Zeren Gurkan, Asbjorn Christensen, and Henrik Mosegaard **Title:** The effect of prey patchiness on the growth and survival of larval sandeel in the North Sea: An examination using individual-based modelling
1591	L:28 Poster	**Authors:** Lysel Garavelli, A. Grüss, B. Grote, N. Chang, M. Smith, E. K. Stenevik, D. M. Kaplan D. M, and C. Lett **Title:** Modelling the dispersal of Cape hake ichthyoplankton
1592	L:29 Poster	**Authors:** Van Ginderdeuren Karl and Prössler Yves **Title:** Feeding ecology of herring *Clupea harengus*, sprat *Sprattus sprattus*, mackerel *Scomber scombrus* and horse mackerel *Trachurus trachurus* in the Belgian part of the North Sea
1687	L:30 Poster	**Authors:** Nikolaos Nikolioudakis and Stylianos Somarakis **Title:** Field consumption estimates of the European sardine in the North Aegean Sea during summer
1726	L:31 Poster	**Authors:** Luciana Sabia, Marco Uttieri, Giacomo Zagami, and Enrico Zambianchi **Title:** First passage times and encounter rates in patches: an IBM for zooplankton motion
1748	L:32 Poster	**Authors:** Geneviève Lacroix and F. Volckaert **Title:** Spatially-explicit model of sole larvae in the Southern North Sea: sensitivity of the dispersal to hydrodynamic/environment variability and biological parameters
1786	L:33 Poster	**Authors:** Bogi Hansen, Eilif Gaard, Karin M. H. Larsen, and Høgni Debes **Title:** Horizontal exchange determines the Faroe Shelf productivity
1805	L:34 Poster	**Authors:** Francois Royer, Inna Senina, and Patrick Lehodey **Title:** Movement models for geolocation of pelagic fish using oceanographic fields with complex boundaries
1907	L:35 Poster	**Authors:** Ulrike Luschtinetz, Daniel Stepputtis, and Stephan Dick **Title:** Is drift modelling useful to improve the recruitment-index for Baltic sprat (*Sprattus sprattus*)?
1908	L:36 Poster	**Authors:** B. Preuss, D. Pelletier, and L. Wantiez **Title:** Assessing Marine Protected Areas network and alternative management scenarios for the sustainable exploitation of fish resources in the Southwest lagoon of New-Caledonia
1910	L:37 Poster	**Authors:** A. Ospina-Álvarez, I. Palomera, P. Garreu, A. Nicolle, and C. Parada **Title:** Novel biophysical life cycle model for European anchovy in the NW Mediterranean: towards a fisheries management tool
1933	L:38 Poster	**Authors:** Harvey J. Walsh, David E. Richardson, Jonathan A. Hare, and Katrin E. Marancik **Title:** Expansion of Atlantic croaker (*Micropogonias undulates*) larval habitat on the northeast US continental shelf
1942	L:39 Poster	**Authors:** Timothée Brochier, Vincent Échevin, and Jorge Tam **Title:** A spatially explicit model to study anchovy reproduction patterns under climate change scenario in the Humboldt current system
1947	L:40 Poster	**Authors:** Christian Lindemann and Andreas Moll **Title:** Seasonal zooplankton dynamics in the southern and northern North Sea captured by ecosystem and stage-structured population models

Theme Session on Fisheries-induced adaptive changes and their consequences: why should we care, and what can we do? (M)

1437	M:01	**Authors:** P. J. Wright, F. M. Gibb, C. Millar, and D. Tobin **Title:** Intra-stock variability in reproductive investment strategies: consequences for the estimation of fisheries induced evolution
1493	M:02	**Authors:** Fabian Zimmermann, Christian Jørgensen, Stein Ivar Steinshamn, and Mikko Heino **Title:** The bioeconomic consequences of fisheries-induced adaptive changes
1550	M:03	**Authors:** Philip J. Bacon *et al.* **Title:** Recent size and run-timing trends in Irish Atlantic salmon (*Salmo salar* L.) were not responses to Fisheries management-induced Evolution
1579	M:04	**Authors:** Jennifer A. Devine, Peter Wright, Heidi Pardoe, and Mikko Heino **Title:** A comparative analysis of contemporary rates of fisheries induced evolution
1631	M:05	**Authors:** Bruno Ernande **Title:** Assessing temporal quantitative genetic differentiation in exploited populations by combining data on phenotypes and neutral genetic markers
1632	M:06	**Authors:** Timothy Loher **Title:** Regional and temporal variance in spawn-timing versus fisheries economics: a recipe for anthropogenically-induced contraction of the natural spawning period of Pacific halibut?
1642	M:07	**Authors:** Mikko Heino *et al.* **Title:** Can fisheries-induced evolution shift reference points for fisheries management?
1648	M:08	**Authors:** Ane T. Laugen *et al.* **Title:** Evolutionary impact assessment: Accounting for the evolutionary consequences of fishing in an ecosystem approach to fisheries management
1649	M:09	**Authors:** Erin S. Dunlop, Mikko Heino, and Ulf Dieckmann **Title:** Evolutionary vulnerability of prototypical life histories
1662	M:10	**Authors:** Ken H. Andersen **Title:** Calculation of expected rates of fisheries induced evolution in data-poor situations
1694	M:11	**Authors:** Heidi Pardoe, Erin Dunlop, Bruce McAdam, Gudrun Marteinsdóttir, and Ulf Dieckmann **Title:** Eco-genetic modelling of stock structure and the evolutionary effects of fishing: the case of Icelandic cod
1721	M:12	**Authors:** N. O. Therkildsen, J. Hemmer-Hansen, and E. E. Nielsen **Title:** Using historical DNA to study fisheries-induced genetic change in Atlantic cod (*Gadus morhua*)
1766	M:13	**Authors:** Lise Marty, Marie-Joëlle Rochet, and Bruno Ernande **Title:** Temporal changes in maturation of North sea gadoids (cod, haddock, whiting, and Norway pout)
1773	M:14	**Authors:** E. M. Diopere, F. A. M. Volckaert, and G. E. Maes **Title:** Genetic adaptation in common sole (*Solea solea* L.) under natural and artificial selection
1796	M:15	**Authors:** David S. Boukal, Andre M. de Roos, Lennart Persson, amd Mikko Heino **Title:** On the interplay of environmental changes and fishing pressure in exploited fish stocks
1807	M:16	**Authors:** G. E. Maes, E. Diopere, E. Cuveliers, F. Mollet, B. Hellemans, A. D. Rijnsdorp, and F. A. M. Volckaert **Title:** The molecular basis of phenotypic adaptive changes in the common sole (*Solea solea* L.): disentangling fisheries from climate induced evolution
1812	M:17	**Authors:** Ulf Dieckmann, Mikko Heino, Shuichi Matsumura and WGEVO participants **Title:** How strong is fisheries-induced selection? An assessment of selection differentials caused by fishing
1882	M:18	**Authors:** Katja Enberg, Christian Jørgensen, and Marc Mangel

		Title: Fishing-induced evolution and changing reproductive ecology of fish: the evolution of steepness
1915	M:19	**Authors:** Fabian M. Mollet, Jan Jaap Poos, Ulf Dieckmann, and Adriaan D. Rijnsdorp
		Title: Evolutionary impact assessment of North Sea flatfish fisheries
1916	M:20	**Authors:** Fabian M. Mollet, Bruno Ernande, Thomas Brunel, and Adriaan D. Rijnsdorp
		Title: Plastic and evolutionary responses in correlated life-history traits
1924	M:21	**Authors:** Raul Primicerio, Per-Arne Amundsen, Rune Knudsen, and Anders Klemetsen
		Title: Culling experiments shed light on fishing induced evolution in salmonids
1936	M:22	**Authors:** Michael Vilimek, Craig F. Purchase, and Fran Mowbray
		Title: A new perspective on fishery impacts on Northwest Atlantic fish stocks by assessing long-term life history trends in a non-commercial species
1660	M:23 Poster	**Authors:** Beatriz Diaz Pauli, David N. Reznick, and Mikko Heino
		Title: Estimation of probabilistic maturation reaction norms (pmrn) under controlled conditions
1685	M:24 Poster	**Authors:** Mikko Heino, Olav Rune Godø, and Ulf Dieckmann
		Title: Fisheries-induced evolution in Northeast Arctic cod: empirical evidence
1729	M:25 Poster	**Authors:** Ingrid Wathne, Knut Helge Jensen, Katja Enberg, and Mikko Heino
		Title: Daphnia pulex before and after introduction of an alien predator: evidence for adaptation to a new mortality regime?
1799	M:26 Poster	**Authors:** Alfonso Pita, Montse Pérez, and Pablo Presa
		Title: The historical genetic drift due to overfishing is compensated by the large effective sizes and migration rates of southern hake stock populations
1814	M:27 Poster	**Authors:** Agnes C. Gundersen
		Title: Fishery changes and implications: a sosio-economical, fisheries management, fishers' knowledge and climatic perspective!
1880	M:28 Poster	**Authors:** Alexandra Silva, Sara Faria, and Cristina Nunes
		Title: Changes in sardine (*Sardina pilchardus*, Walb.) maturation since the mid 20th century: can environmental and genetic effects be disentangled ?
1881	M:29 Poster	**Authors:** Katja Enberg, Christian Jørgensen, Erin S. Dunlop, Mikko Heino, and Ulf Dieckmann
		Title: Implications of fisheries-induced evolution for stock rebuilding and recovery

Theme Session on Oceanography and ecology of HABs: physical/biological interactions, climate change, and other current issues (N)

1944	N:01	**Authors:** Donald M. Anderson, Dennis J. McGillicuddy, Jr. , Bruce A. Keafer, and Ruoying He **Title:** Bloom dynamics of the red tide dinoflagellate Alexandrium fundyense in the Gulf of Maine: a synthesis and progress towards a forecasting capability
1961	N:02	**Authors:** Elisa Berdalet *et al.* **Title:** Multidisciplinary and multiscale approach to understand (harmful) phytoplankton dynamics in a NW Mediterranean Bay
1883	N:03	**Authors:** Ute Daewel and Corinna Schrum **Title:** Long-term changes in Baltic Sea cyanobacterial blooms and its causes: A modelling study
1506	N:04	**Authors:** Ray Mahdon , Karen Edwards, Rosa Barciela, Peter Miller, Jamie Shutler, and Stephen Roast **Title:** Advances in operational ecosystem modelling and the prediction of nuisance algal blooms at the UK Met Office
1637	N:05	**Authors:** Robin Raine, Hazel Farrell, Patrick Gentien, Liam Fernand, Michel Lunven, Beatriz Reguera, and Sonsolez Gonzalez Gill **Title:** Transport of toxin producing dinoflagellate populations along the coast of Ireland within a seasonal coastal jet
1635	N:06	**Authors:** Robin Raine, Georgina McDermott, Joe Silke, Kieran Lyons, Glenn Nolan, and Caroline Cusack **Title:** A short range prediction model for forecasting HAB events in the bays of southwestern Ireland
1686	N:07	**Authors:** J Silke *et al.* **Title:** ASIMUTH: Applied simulations and integrated modelling for the understanding of toxic and harmful algal blooms
1960	N:08	**Authors:** M. Sourisseau, T. Duhaut, and P. Gentien **Title:** Sensitivity of host-parasite dynamics in non-uniform physical environments
1811	N:09	**Authors:** L. Velo-Suárez, M. Ruiz-Villarreal, L. Fernand, P. Gentien, and B. Reguera **Title:** Population dynamics of *Dinophysis acuminata* in the Ría de Pontevedra (NW Spain): Physical-biological coupling in a coastal upwelling system
1602	N:10	**Authors:** José A. Pérez Agúndez and Rémi Mongruel **Title:** Technological adaptation to harmful algal bloom events: a socioeconomic analysis
1590	N:11	**Authors:** Oleg P. Savchuk **Title:** Biogeochemistry of cyanobacterial blooms in the Baltic Sea
1577	N:12	**Authors:** H. G. Gudfinnsson, A. Eydal, K. Gunnarsson, K. Gudmundsson, and K. Valsdóttir **Title:** Monitoring of toxic phytoplankton in three Icelandic fjords
1634	N:13 Poster	**Authors:** Sergey Aleksandrov **Title:** Climate change, algae blooms and eutrophication in the Curonian Lagoon of the Baltic Sea
1449	N:14 Poster	**Authors:** M. Monshizadeh and A. Najafi Jilani **Title:** Design of marine monitoring network of the southern coasts of Caspian Sea
1833	N:15 Poster	**Authors:** C. Alves-de-Souza *et al.* **Title:** Experimental effect of river discharge addition on parasite-host dynamics between Amoebophryidae (MALV II) and their dinoflagellate hosts in Mediterranean coastal waters
1521	N:16 Poster	**Authors:** G. Calu, E. Lefaux, Z. Amzil, P. Weigel, and V. Martin-Jézéquel **Title:** Influence of organic nitrogenous nutriments on growth and domoic acid content of PN. multiseries and *PN. australis* in cultures
1771	N:17	**Authors:** Guillaume Hermann, Elizabeth Turrell, and Laura Morley

	Poster	**Title:** Occurrence of domoic acid in Scottish waters – the potential of Solid Phase Adsorption Toxin Tracking to monitor HABs events
1693	N:18 Poster	**Authors:** A. Kroll, I. Hense, and A. Kremp **Title:** Modelling the life cycle of dinoflagellates – the role of life cycle transitions in regulating bloom dynamics
1917	N:19 Poster	**Authors:** Evgenia Lange **Title:** Composition of summer phytoplankton in the South-Eastern Baltic
1722	N:20 Poster	**Authors:** M. Ryckaert, E. Nézan, N. Chomérat, D. Le Gal, S. Genauzeau, C. Béchemin, C. Vérité, and J. L. Gaignon **Title:** Pseudo-nitzschia occurence in *Pertuis Charentais* (France) after the Xynthia storm

Theme Session on Synergies and conflicts of multiple uses of marine areas by using marine spatial planning (O)

1391	O:01	**Authors:** Carissa Klein, Charles Steinback, Matthew Watts, Astrid Scholz, and Hugh Possingham **Title:** Spatial zoning for fishing and marine conservation
1551	O:02	**Authors:** V. Stelzenmüller, T. Schulze, H. Fock, A. Sell, M. Kloppmann, J. Berkenhagen, R. Döring, and G. Kraus **Title:** An integrated modeling approach to support an ecosystem based management of multiple uses in the German EEZ of the North Sea
1562	O:03	**Authors:** Geir Ottersen, Erik Olsen, Gro I. van der Meeren, Are Dommasnes, and Harald Loeng **Title:** An integrated ecosystem-based management plan for the marine environment in the Norwegian Sea
1666	O:04	**Authors:** John Isaksen and Eirik Mikkelsen **Title:** "Value-creation" in municipal marine spatial planning? A case from arctic Norway
1709	O:05	**Authors:** Alf Hakon Hoel and Erik Olsen **Title:** Marine Spatial Planning: Norway's management plans
1712	O:06	**Authors:** Michael C. Bell, Jon C. Side, Sandy Kerr, Kate R. Johnson, Susana Baston, and Colin R. Bullen **Title:** The emergence of a new marine renewable energy industry – what are the implications for fisheries?
1787	O:07	**Authors:** M. Fetissov, R. Aps, M. Kopti, and J. Kotta **Title:** Web application to support the process of marine spatial planning
1940	O:08	**Authors:** Gesche Krause **Title:** Global links and local roots in the offshore realm: Orchestrating visions, entrepreneurs and policies in marine spatial planning in Europe
1962	O:09	**Authors:** Bela Hieronymus Buck **Title:** Meeting the quest for spatial efficiency: progress and prospects of extensive aquaculture within offshore wind farms in Europe
1483	O:10 Poster	**Authors:** R. ter Hofstede *et al.* **Title:** MESMA: It's all about weighing interests
1679	O:11 Poster	**Authors:** Van Nieuwenhove Kris and Delbare Daan **Title:** Offshore mussel (*Mytilus* sp.) farming in the Belgian EEZ
1775	O:12 Poster	**Authors:** Claus Stenberg, Mads Christoffersen, Carsten Krog, Patrizio Mariani, and Per Dolmer **Title:** Offshore wind farms and their potential for shellfish aquaculture and restocking

1816	O:13 Poster	**Authors:** Hermanni Backer **Title:** MSP, Ecosystem Approach and Baltic Sea marine environment in good status
1460	O:14 Poster	**Authors:** Eugeniusz Andrulewicz and Zbigniew Otremba **Title:** Disturbances of natural physical fields caused by variable uses of the sea – an important issue for marine spatial planning. Example of the Baltic Sea

Theme Session on Reversing the burden of proof: results based management of fisheries (P)

1426	P:01	**Authors:** Douglas Clyde Wilson **Title:** Implication of science policy network structure for agreement about science
1439	P:02	**Authors:** Sarah B. M. Kraak **Title:** Overcoming the tragedy of the commons – an experimental talk
1530	P:03	**Authors:** Jill Wakefield **Title:** Organisational and legal problems in reversing the burden of proof in results-based management of fisheries
1534	P:04	**Authors:** Catherine E. O'Keefe, Greg DeCelles, Daniel Georgianna, Kevin D.E. Stokesbury, and Steven X. Cadrin **Title:** Confronting the bycatch issue: An incentive-led approach to maximizing yield in the US sea scallop fishery
1552	P:05	**Authors:** Sebastian Linke **Title:** How knowledge informs decisions: exploring the role of communication and participation for managing conflicts in fisheries
1603	P:06	**Authors:** Marie-Joëlle Rochet, Verena Trenkel, and Jake Rice **Title:** A framework for qualitatively evaluating management plans in a results-based perspective
1627	P:07	**Authors:** Clara Ulrich, Lotte W. Clausen, Aukje Coers, Lothar Fisher, Kjellrun Hiis Hauge, Reine Johansson, and Christian Olesen **Title:** Improving complex governance schemes around Western Baltic Herring, through the development of a Long-Term Management Plan in an iterative process between stakeholders and scientists
1706	P:08	**Authors:** Henni Pulkkinen and Samu Mäntyniemi **Title:** Effective data utilisation with Bayesian hierarchical correlation model
1746	P:09	**Authors:** Sakari Kuikka, Samu Mäntyniemi, and Mika Rahikainen **Title:** Reversing the burden of proof in fisheries: methodological challenges
1761	P:10	**Authors:** Stéphanie Mahévas, Hervé Monod, Sigrid Lehuta, Robert Faivre, and David Makowski **Title:** Statistical framework supporting decision making in fisheries management within uncertainty context in biological and fleet behaviour knowledge
1783	P:11	**Authors:** Robert Aps and Hans Lassen **Title:** Implementing a management system for the Baltic Sea fisheries with reversal of the burden of proof: a scenario
1789	P:12	**Authors:** Kepa Astorkiza and Ikerne del Valle **Title:** Lessons from the collapse of the stock of anchovy in the Bay of Biscay
1798	P:13	**Authors:** Mike Fitzpatrick, N. Graham, A. Hatcher, D. Rihan, D. G. Reid, G. Sutton, and P. MacMullen **Title:** Reversing the burden of proof in fisheries management in the context of an integrated ecosystem approach
1840	P:14	**Authors:** Brendan Flynn

		Title: Fishers' knowledge as an enabler for results based decentralised fisheries management
1931	P:15	**Authors:** Gretchen Harrington and Stefanie Moreland
		Title: Results based management of bycatch in a rationalized fishery
1956	P:16	**Authors:** N. Bailey, C. Needle, S. Holmes, P. Fernandes, N. Campbell, B. O'Neill, A. Gibb, and G. Chalmers
		Title: The Scottish Conservation Credits Scheme- an example of implementing a results based approach to fisheries management
1390	P:17 Poster	**Authors:** M. M. Oliveira, A. S. Camanho, and M. B. Gaspar
		Title: Technical and economic efficiency analysis applied to artisanal fisheries
1405	P:18 Poster	**Authors:** S. A. Murawski
		Title: A meta analysis of rates of depletion and recovery of overfished stocks
1600	P:19 Poster	**Authors:** M. Inacio, E. Isidro, J. Gonçalves, and M. Pinho
		Title: By-catch in trapping fishery of the crab, *Cancer bellianus* off the Azores
1613	P:20 Poster	**Authors:** Javier Ruiz and Miguel Losada
		Title: Science as mediator for conflicting uses of the coastal zone: an analysis for the Guadalquivir Estuary.
1868	P:21 Poster	**Authors:** D. Delaunay, J. Massé, L. Pawlowski, and D. Ciolek
		Title: A pilot-study about anchovy and sardine "sentinel" surveys in the Bay of Biscay: a partnership between scientists and fishermen

Theme Session on Marine Biodiversity – the science and management needed to meet 2010 commitments (Q)

1422	Q:01	**Authors:** Verena Trenkel and Laurent Berger
		Title: What information can acoustic data provide on marine biodiversity?
1428	Q:02	**Authors:** Henn Ojaveer and Margit Eero
		Title: Assessment of the status of biodiversity and environment of the Baltic Sea: application of knowledge-base systems
1438	Q:03	**Authors:** Jeremy Collie and Marie-Joëlle Rochet
		Title: Temporal changes in the diversity of shelf-sea fish communities
1442	Q:04	**Authors:** Jake Rice
		Title: Marine biodiversity, fisheries, and food security time to deal with the elephant (seal) in the living room
1451	Q:05	**Authors:** Shijie Zhou and Gudrun Martensdottir
		Title: Biodiversity management for sustainable fisheries
1520	Q:06	**Authors:** Olga Lyashevska
		Title: Ordination of measures of biodiversity in reduced space: sense or nonsense?
1524	Q:07	**Authors:** D. Banaru, C. Mellon-Duval, D. Ross, J.-L. Bigot, A. Souplet, J.-M. Fromentin, A. Jadaud and D. Kaplan
		Title: Trophic structure and fisheries interactions in the Gulf of Lions (north-western Mediterranean)
1546	Q:08	**Authors:** Annelies De Backer, Sofie Vandendriessche, Jan Wittoeck, and Kris Hostens
		Title: Weighing natural variability and anthropogenic impacts: a case study of demersal fish and epibenthic communities in the Belgian Part of the North Sea
1604	Q:09	**Authors:** Keith D. Farnsworth

		Title: How do we include biodiversity in fisheries management: analysis for the real world
1664	Q:10	**Authors:** Maria Fatima Borges *et al.*
		Title: Practical issues affecting the utility of field survey data for biodiversity monitoring
1670	Q:11	**Authors:** Henrik Gislason *et al.*
		Title: Macro-ecological patterns in fish biodiversity and survey abundance
1677	Q:12	**Authors:** Aurélie Foveau, Sandrine Vaz, and Vladimir E. Kostylev
		Title: Identification of sensitive benthic habitats in the Eastern English Channel based on functional traits and the Kostylev approach
1744	Q:13	**Authors:** A. Brind'Amour and P. Legendre
		Title: Functional diversity indices: what are we measuring and at what scale?
1750	Q:14	**Authors:** J.-S. Houziaux, J. Haelters, F. Kerckhof, S. Degraer, and T. Jacques
		Title: Baseline benthic biodiversity of the Belgian part of the North Sea: lessons learned and the way forward with ecological restoration goals
1751	Q:15	**Authors:** Julia Fossat, Dominique Pelletier, and Harold Levrel
		Title: Marine and coastal biodiversity : a comparison between indicators identified by institutions and those proposed by the scientific community
1757	Q:16	**Authors:** Els L. Cuveliers, G. E. Maes, A. J. Geffen, and F. A. M. Volckaert
		Title: The power of integrating genetic and otolith microchemistry data to investigate population connectivity in common sole.
1813	Q:17	**Authors:** Adien Cheminee, Luisa Mangialajo, and Patrice Francour
		Title: Algal forests and the replenishment of Mediterranean rocky fishes
1836	Q:18	**Authors:** D. Rocklin, C. Albouy, JA. Tomasini, D. Pelletier, and D. Mouillot
		Title: Using indicators for assessing the benefits of partially protected areas in a multiple-use MPA
1898	Q:19	**Authors:** Henrik Gislason, Simon Jennings, Daniel C. Reuman, Carolyn Barnes, and Frédéric Melin
		Title: Global patterns in fish species richness
1945	Q:20	**Authors:** Paul Snelgrove, P. Archambault, S. K. Juniper, S. K., P. Lawton, A. Metaxas, C. McKindsey, P. Pepin, and V. Tunnicliffe
		Title: Mobilizing Marine Biodiversity Research: The Canadian Healthy Oceans Network
1394	Q:21 Poster	**Authors:** Julio Portela *et al.*
		Title: Main results of multidisciplinary research cruises describing the possible adverse impact of fishing activities on VMEs on the high seas of the South West Atlantic
1400	Q:22 Poster	**Authors:** Sebastian Villasante
		Title: Rebuilding European fisheries through TAC regulation?
1414	Q:23 Poster	**Authors:** Matthew P. Hare, James R. Weinberg, Olga Peterfalvy, and Maureen Davidson
		Title: Commercially harvested "Southern" surfclams found in Long Island Sound, New York, well north of their typical range
1416	Q:24 Poster	**Authors:** Tak Fung, Keith F. Farnsworth, Axel G. Rossberg, and David G. Reid
		Title: Modelling effects of fishing on biodiversity
1560	Q:25 Poster	**Authors:** Hugo Mendes and Maria de Fatima Borges
		Title: The challenge of incorporating historical information to define a baseline to assess the state of the ecosystem and marine biodiversity
1583	Q:26 Poster	**Authors:** Trine Bekkby, Eli Rinde, Kjell Magnus Norderhaug, Hartvig Christie, Hege Gundersen, Lars Erikstad, and Vegar Bakkestuen
		Title: Modelling kelp forest distribution in Norway

1689	Q:27 Poster	**Authors:** B. Planque, E. Johannesen, K. Michalsen, R. Primicerio, M. Fossheim, R. Ingvaldsen, and M. Aschan **Title:** Barents Sea Ecosystem Resilience under global environmental change (Bar-Ecore) 2010–2013
1690	Q:28 Paper	**Authors:** Gudrun Marteinsdottir and Heidi Pardoe **Title:** Effects of fishing on inter and intra stock diversity of marine resources
1707	Q:29 Poster	**Authors:** L. L. Jørgensen, M. Fossheim, E. Johannesen, A. Dolgov, and P. Lubin **Title:** Benthos and fish communities in the Barents Sea
1708	Q:30 Poster	**Authors:** Al Kingston and Simon Northridge **Title:** Quantifying biodiversity impacts in static net fisheries
1711	Q:31 Poster	**Authors:** Delavenne Juliette, Metcalfe Kristian, Vaz Sandrine, Smith R.J., and Dauvin Jean-Claude **Title:** Habitat classification and target setting for a systematic conservation planning approach in the Eastern English Channel
1725	Q:32 Poster	**Authors:** Elisabeth Nézan, Gwenael Bilien, Sylviane Boulben, Frédéric Zentz, Karine Chère, and Nicolas Chomérat **Title:** Diversity of the dinoflagellate genus Alexandrium along the french coasts, based on morphological and molecular phylogenetic analyses
1801	Q:33 Poster	**Authors:** Juliette Delavenne, Sandrine Vaz, Robert J. Smith, C. S. Martin, L. Dupuis, F. Coppin, and A. Carpentier **Title:** A comparison of two systematic conservation tools: Marxan and Zonation. A case study in the Eastern English Channel
1852	Q:34 Poster	**Authors:** Sara G. Vandamme *et al.* **Title:** Basin-linked population genetic structure of turbot
1854	Q:35 Poster	**Authors:** S. Chambord, C. Villanueva, M. Rouquette, and B. Ernande **Title:** Can fish shape be used to infer functional trophic guilds?
1861	Q:36 Poster	**Authors:** Lisa Anne Libungan, Snæbjörn Pálsson, Sigríður Hjörleifsdóttir, and Guðmundur Óskarsson **Title:** Genetic stock identification of Icelandic herring compared to other stocks in the NE-Atlantic
1866	Q:37 Poster	**Authors:** J. Andrew Cooper, Graham Gillespie, Jim Reist, Jean-Marie Sevigny, Andrea Locke, Angelica Silva, and Dave Kulka **Title:** Retooling fisheries-science monitoring for biodiversity, strategies to improve species identification through taxonomy quality-assurance/quality-control.
1884	Q:38 Poster	**Authors:** Barbara Urban-Malinga, Aleksander Drgas, and Zalewski Mariusz **Title:** Effects of macrobenthic diversity and species composition on meiofauna and ecosystem processes in shallow sandy littoral sediments (southern Baltic Sea)
1899	Q:39 Poster	**Authors:** Gesche Winkler, Sami Souissi, Julian Dodson, and Vincent Castric **Title:** Importance of intra-specific genetic diversity of the estuarine copepod, *Eurytemora affinis*, at multiple spatial scales
1927	Q:40 Poster	**Authors:** Marie C Martin and Gina Shield **Title:** Greater shearwaters in the gulf of Maine and Georges Bank (Northwest Atlantic): can we identify seabird foraging hotspots using at-sea and bycatch data?

Theme Session on Delivering more science with fewer resources: How do we make best use of our investment in science through joint programming, communication and knowledge management (R)

1401	R:01	**Authors:** Amos Barkai **Title:** OLFISH Electronic Logbook: Bridging the gap between fisher, manager and scientist through cohesive data-logging.

1415	R:02	**Authors:** Steve Cadrin, Brian Rothschild, Azure Westwood, and Cate O'Keefe **Title:** A Systems Approach to Fisheries Science and Management: beyond management strategy evaluation
1418	R:03	**Authors:** John Holmes and John Lock **Title:** Ensuring the uptake and impact of marine fisheries research
1499	R:04	**Authors:** Alison Simmance and John Lock **Title:** Sharing Knowledge: the potential pitfalls and power of project databases
1594	R:05	**Authors:** Johanna Herfaut, Harold Levrel, Mickael Drogou, and Gérard Véron **Title:** Monitoring of recreational fishing of seabass (*Dicentrarchus labrax*) in France: output from a dual methodology (telephone survey and logbook of volunteers)
1620	R:06	**Authors:** Thomas Bastian *et al.* **Title:** How fish surveys provide a 'backbone' of jellyfish research
1643	R:07	**Authors:** Troy W. Hartley **Title:** Communication networks in ecosystem-based fisheries management: Multi-disciplinary knowledge management in the Chesapeake Bay, USA
1652	R:08	**Authors:** C. Villanueva **Title:** The Charm Project: Defying the Channel's loss by facing environmental challenges across borders
1657	R:09	**Authors:** Pilar Tugores Ferra *et al.* **Title:** Habitat suitability modeling for sardine in a highly diverse ecosystem: the Mediterranean Sea
1659	R:10	**Authors:** Giannoulaki Marianna *et al.* **Title:** Identifying the potential habitat of anchovy Engraulis encrasicolus during different life stages in the Mediterranean Sea
1719	R:11	**Authors:** Kristina Barz and Christopher Zimmermann **Title:** "Fischbestände online" – a new website for the communication of scientific knowledge to a non-scientific community
1740	R:12	**Authors:** S. J. Hawkins, L. Firth, M. J. Genner, N. Mieszkowska, S. R. Jenkins, and M. T. Burrows **Title:** Data archaeology and rescue: recycling old information for new concerns
1790	R:13	**Authors:** Tom Rossiter **Title:** A change in Fisheries Science to focus on the outcome rather than the output
1818	R:14	**Authors:** Edward Hind **Title:** Fishers: The forgotten scientists
1859	R:15	**Authors:** Kaisa Kononen and Andris Andrusaitis **Title:** BONUS: Building the Joint Baltic Sea Research Programme
1872	R:16	**Authors:** Jacques Massé, D. Delaunay, F. Sanchez, and D. Ciolek **Title:** How to benefit from fishermen knowledge and know-how in a scientific approach? A combination of means that could make fishermen actors of science.
1874	R:17	**Authors:** Jane Stephenson **Title:** Knowledge management and the National Oceanography Centre. Perspectives from the National Oceanographic Library
1955	R:18	**Authors:** Andrew S. Pullin **Title:** Using systematic review methodology to build an evidence-base for marine and fisheries policy
1957	R:19	**Authors:** Alister Scott and John Lock

		Title: Ensuring the uptake and impact of marine fisheries research
1958	R:20	**Authors:** Line Matthiessen
		Title: The importance of communication and knowledge management for realising the European Bio-Economy
1959	R:21	**Authors:** Gurpreet Padda and Richard Pullen
		Title: Is fisheries science too complicated to achieve Defra's long term vision of sustainable fisheries?
1406	R:22 Poster	**Authors:** S. A. Murawski
		Title: Integrated science advice supporting living marine resource management: can we have it all?
1469	R:23 Poster	**Authors:** Sara Hornborg, Friederike Ziegler, and Andreas Emanuelsson
		Title: Finding keys to sustainable fisheries- exploring the potentials of using LCA to evaluate the performance of fisheries management
1470	R:24 Poster	**Authors:** Friederike Ziegler, Sara Hornborg, Andreas Emanuelsson, and Veronica Sund
		Title: Life Cycle Assessment (LCA) as a method to assess the sustainability of seafood production
1497	R:25 Poster	**Authors:** Stuart A. Reeves
		Title: Placing less stock in stocks; changing perspectives and the wider use of fisheries data
1617	R:26 Poster	**Authors:** Nils Olav Handegard *et al.*
		Title: Adaptive management of living marine resources by integrating different data sources and key ecological processes (ADMAR): A joint effort by IMR and CEES
1713	R:27 Poster	**Authors:** Jordan Feekings and Niels Madsen
		Title: Diversifying the uses of the Danish Discard data collection programme
1862	R:28 Poster	**Authors:** Tom Jaffarian and Kevin D. E. Stokesbury
		Title: Survey specific software saves time and increases data integrity
1893	R:29 Poster	**Authors:** Robert J. Brock, Flavio Chazaro, Joseph Uravitch, and Doug Yurick
		Title: North American Marine Protected Area Network (NAMPAN) Condition Assessment Scorecard: Improving Collaboration, Disseminating Science Information That Stakeholders Can Understand, and Encouraging Ownership of Marine Resources in Canada, Mexico, and the United States

Theme Session on Joint ICES/PICES Theme Sessions on "Responses to climate variability: comparison of northern hemisphere marine ecosystems" (S)

1436	S:01	**Authors:** Andreas Lehmann, K.Getzlaff, H.-H. Hinrichsen, and F.Köster
		Title: CAVIAR: Climate Variability of the Baltic Sea area
1444	S:02	**Authors:** O. A. Bulatov and L. B. Klyashtorin
		Title: Walleye pollock biomass dynamics in the Bering Sea: possibility of long-term forecasting
1471	S:03	**Authors:** Ken Drinkwater, Eugene Colbourne, Harald Loeng, Svein Sundby, and Trond Kristiansen
		Title: Comparison of the atmospheric forcing and oceanographic responses between the Labrador Sea and the Norwegian and Barents Seas
1486	S:04	**Authors:** Bernard A. Megrey *et al.*
		Title: Using production models as a tool to examine factors that influence productivity of marine systems: A comparative analysis among 10 northern hemisphere ecosystems
1511	S:05	**Authors:** Yongjun Tian and Hideaki Kidokoro
		Title: Long-term variability in the fish populations in the Japan Sea with special reference to the impact of the mid–1970s regime shift
1536	S:06	**Authors:** Mary E. Hunsicker, Lorenzo Ciannelli, Kevin M. Bailey, and Stephani Zador

		Title: Processes driving differences in major food web linkages of the Gulf of Alaska and eastern Bering Sea ecosystems: a conceptual view
1537	S:07	**Authors:** Hongsheng Bi, Bill Peterson, Cheryl Morgan, Jon Hare, and Joseph Kane
		Title: Comparative analysis of zooplankton communities in the east and west coast of United States–biological response to large scale driving forcing?
1636	S:08	**Authors:** James J. Ruzicka, Robert L. Emmett, Jeannette E. Zamon, Cheryl A. Morgan, Andrew C. Thomas, John H. Steele, and Richard D. Brodeur
		Title: Inter-annual variability in the Northern California Current food web structure: inferred changes in energy flow pathways and system response to alternate forcing scenarios
1661	S:09	**Authors:** Joël M. Durant, Manuel Hidalgo, and Lorenzo Ciannelli
		Title: How does exploitation of prey fish affect population growth rate in changing seas?
1704	S:10	**Authors:** Edda Johannesen *et al.*
		Title: Eastern Scotian Shelf and Barents Sea intercomparison: climate fluctuations, human impact and system resilience
1705	S:11	**Authors:** Carola Wagner *et al.*
		Title: Regime shifts in marine and lake ecosystems: Teleconnection patterns
1728	S:12	**Authors:** Jürgen Alheit and Carola Wagner
		Title: Impact of Atlantic Multidecadal Oscillation (AMO) on NE Atlantic ecosystems
1777	S:13	**Authors:** Jaime Otero, Arne J. Jensen, Jan Henning L'Abée-Lund, Nils Chr. Stenseth, Geir O. Storvik, and Leif Asbjørn Vøllestad
		Title: Contemporary ocean warming and freshwater conditions contribute to delay the completion of maturation in Atlantic salmon throughout the Norwegian range of distribution
1779	S:14	**Authors:** Jürgen Alheit, C. Wagner, T. Pohlmann, M. Casini, A. Sell, and R. Vorberg
		Title: Climate variability drives anchovies and sardines into North and Baltic Seas
1792	S:15	**Authors:** Kenneth Sherman, I. Belkin, K.D. Friedland, J. O'Reilly, and K. Hyde
		Title: Changing States of North Atlantic Large Marine Ecosystems
1808	S:16	**Authors:** Michaël Gras; Olivier Goetz; Jehane Lepoittevin; and Jean-Paul Robin
		Title: English Channel cuttlefish (*Sepia officinalis*) stock structure in the reproduction period
1855	S:17	**Authors:** Louis Botsford, Holland, Warden, Fogarty, Juanes, Hastings, White, and Wang
		Title: A comparison of Pacific salmon and Atlantic cod population dynamic responses to environmental variability and climate change
1873	S:18	**Authors:** Walter J. Golet, Jason Stockwell, Graham Sherwood, Andrew Pershing, Jeffrey Runge, and Molly Lutcavage
		Title: Bottoms Up: Potential Effects of Environmental Forcing on Apex Predators in the Gulf of Maine
1919	S:19	**Authors:** Tore Johannessen
		Title: Repeated observations of abrupt and persistent recruitment collapses in gadoids – a potential scenario in relation to climate change?
1934	S:20	**Authors:** Anne B. Hollowed, S. Barbeaux, N. Cokelet, S. Kotwicki, P. Ressler, and C. Wilson
		Title: Comparison of the effects of climate variations on pelagic ocean habitats and their potential role in structuring the forage fish distributions in the Bering Sea and Gulf of Alaska
1392	S:21 Poster	**Authors:** F. Litvinov, N. Timoshenko, and Pavel Chernyshkov
		Title: Oscillations of abundance in North Atlantic fishes in 1977–2010 compared to synchronous changes of commercially important species in other parts of the World Ocean due to global climatic variability
1504	S:22 Poster	**Authors:** Sangdeok Chung and Suam Kim
		Title: Relationship between climate/environmental factors and Pacific cod (*Gadus macrocephalus*) catch in the southwestern Japan/East Sea
1612	S:23	**Authors:** Ana Moreira, Paulo Fonseca, Cristina Silva, Miguel Santos, Aida Campos, and Maria de

	Poster	Fátima Borges **Title:** Are there evidences of environmental-driven fluctuations in landings from the Portuguese trawl crustacean fishery?
1747	S:24 Poster	**Authors:** Silje Ramsvatn, Torstein Pedersen, and Einar M. Nilssen **Title:** Comparing trophic structure and diversity in northern ecosystems using stable isotope data
1749	S:25 Poster	**Authors:** Dhanya Pushpadas,Ute Daewel, Corinna Schrum, and Sturla Winger Svendsen **Title:** Comparing long term changes in primary and secondary production in the North and Baltic Sea: A modelling study
1780	S:26 Poster	**Authors:** Jaime Otero *et al.* **Title:** Environmental effects on ocean entry of Atlantic salmon (*Salmo salar*) smolt across its range of distribution
1573	S:27 Poster	**Authors:** Anke Weber **Title:** Monitoring and Evaluation of Spatially Managed Areas (MESMA)