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Management Committee for the Advisory Process (MCAP)

MCAP:01	RAC Dialogue meeting (20-21 February 2006)
MCAP:02	MCAP report from March 2006 meeting
MCAP:03	MCAP-MICC report from meeting (April 2006)
MCAP:04	Advisory Committee on Fisheries Management (ACFM) minutes from October 2005 meeting
MCAP:05	Advisory Committee on Ecosystems [ACE] minutes from May 2006 meeting
MCAP:06	Advisory Committee on Fisheries Management [ACFM] minutes from May 2006 meeting
MCAP:07	Advisory Committee on the Marine Environment [ACME] minutes from May 2006 meeting
MCAP:08	Minutes from the ACE Consultations 18 & 23 September 2006, Maastricht, Netherlands
MCAP:09	Minutes from the ACFM Consultations 18 & 23 September 2006, Maastricht, Netherlands
MCAP:10	Minutes from the ACME Consultations 18 & 21 September 2006, Maastricht, Netherlands
MCAP:11	Report of the Management Committee on the Advisory Process 17 & 24 September 2006, Maastricht, Netherlands
	Advisory Committee on Fishery Management (ACFM)
ACFM:01	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim [WGHMM]
ACFM:02 Ref. G, H	Study Group on Ageing Issues in Baltic Cod [SGABC]
ACFM:03 Ref. G	Working Group Elasmobranch Fishes [WGEF]
ACFM:04	Working Group on the Assessment of Southern Shelf Demersal Stocks [WGSSDS]
ACFM:05	Northern Pelagic and Blue Whiting Fisheries Working Group [WGNPBW] August to
ACFM:06 Ref. D, G	ICES/NAFO Working Group on Harp and Hooded Seal [WGHARP] 3 September
ACFM:07 Ref. LRC, RMC	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources [WGDEEP]
ACFM:08	Working Group on the Assessment of Mackerel, Horse Mackerel and Anchovy [WGMHSA]
ACFM:09	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak [WGNSSK]
ACFM:10	Pandalus Assessment Working Group [WGPAND]
ACFM:11 Ref. G	Working Group on the Assessment of New MoU Species [WGNEW]
ACFM:12 RMC, FTC and LRC	Workshop on Nephrops Stocks [WKNEPH]
ACFM:13	Working Group on the Assessment of Nothern Southern Shelf Demersal Stocks [WGNSDS]
ACFM:14 Ref. RMC, LRC	Workshop on Simple Mixed Fisheries Management Models [WKIMIXMAN]
ACFM: 15 Ref. RMC, LRC	Study Group on Management Strategies [SGMAS]

ACFM:16 Ref. DFC, LRC, RMC	ICES/EIFAC Working Group on Eels [WGEEL]
ACFM:17	Annual Meeting of Assessment Working Groups Chairs [AMAWGC]
ACFM:18	Planning Group on Commercial Catch, Discards and Biological Sampling [PGCCDBS]
ACFM:19	A Workshop on Biological Reference Points for Northeast Arctic Haddock [WKHAD]
ACFM:20	Herring Assessment Working Group south of 62° N [HAWG]
ACFM:21	Baltic Salmon and Trout Assessment Working Group [WGBAST]
ACFM:22 Ref. DFC, FTC, WGNAS	The Study Group on the Bycatch of Salmon in Pelagic Trawl Fisheries [SGBYSAL]
ACFM:23	Working Group on North Atlantic Salmon [WGNAS]
ACFM:24	Baltic Fisheries Assessment Working Group [WGBFAS]
ACFM:25	Arctic Fisheries Working Group [AFWG]
ACFM:26	North-Western Working Group [NWWG]
ACFM:27	The Fishery Statistics Liaison Working Group [WGSTAL]
ACFM:28	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources [WGDEEP]
ACFM:29	Working Group on the Assessment of Southern Shelf Stocks of Hake, Monk and Megrim [WGHMM]
ACFM:30	Working Group on the Assessment of Northern Shelf Demersal Stocks [WGNSDS]
ACFM:31 Ref. LRC	Working Group Elasmobranch Fishes [WGEF]
ACFM:32 Ref. RMC, LRC	ICES/NAFO Working Group on Harp and Hooded Seals [WGHARP]
ACFM:33	Working Group on the Assessment of Southern Shelf Demersal Stocks [WGSSDS]
ACFM:34	Northern Pelagic and Blue Whiting Fisheries Working Group [WGNPBW]
ACFM:35	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak [WGNSSK]
ACFM:36	Working Group on the Assessment of Mackerel, Horse Mackerel, Sardine and Anchovy [WGMHSA]
ACFM:37	Pandalus Assessment Working Group [WGPAND]
ACFM:38	Review Group on Fisheries Surveys of North Sea Stocks [RGFS]
	Advisory Committee on the Marine Environment (ACME)
ACME:01	ACME report coded to MCAP
ACME:02	Joint ICES/OSPAR Workshop on Integrated Monitoring of Contaminants and their Effects in Coastal and Open-Sea Areas [WKIMON]
ACME:03	ICES/HELCOM Steering Group on Quality Assurance of Chemical Measurements in the Baltic Sea [STGQAC]
ACME:04	ICES/OSPAR/HELCOM Steering Group on Quality Assurance of Biological Measurements [STGQAB]
ACME:05	ICES Working Group on Introduction and Transfers of Marine Organisms [WGITMO]
ACME:06	ICES/IOC/IMO Working Group on Ballast and Other Ship Vectors [WGBOSV]

Advisory Committee on Ecosystems (ACE)

ACE:01	ACE Report coded to MCAP
ACE:02	Study Group on Management of Integrated Data [SGMID]
ACE:03 Ref. ACFM, ACME	Working Group for Regional Ecosystem Description [WGRED]
ACE:04 Ref. LRC	Working Group on Deep-water Ecology [WGDEC]
ACE:05	Working Group on Ecosystem Effects of Fishing Activities [WGECO]
ACE:06	Working Group on Marine Mammal Ecology [WGMME]
ACE:07 Ref. MHC, OCC	Workshop co-sponsored by OSPAR on Time-Series Data relevant to Eutrophication Ecological Quality Objectives [WKEUT]
ACE:08 Ref. WGFAST	Study Group on Effects of Sound in the Marine Environment [SGESME]

Consultative Committee (CONC)

CONC:01	CONC report coded to the Delegates and Bureau
CONC:02	Workshop on Review of the ICES Committee and Expert Group Performance [WKREP]

Baltic Committee (BCC)

BCC:01 Ref. ACE	Study Group on Baltic Ecosystem Health Issues in support of the BSRP [SGEH]
BCC:02	ICES/BSRP Sea-going Workshop on Fish Disease Monitoring in the Baltic Sea [WKFDM]
BCC:03	Study Group on Baltic Fish and Fisheries Issues in the BSRP [SGBFFI]
BCC:04	Study Group on Baltic Sea Productivity Issues in Support of the BSRP [SGPROD]
BCC:05	Study Group on Baltic Ecosystem Model Issues in Support of the BSRP [SGBEM]
BCC:06	Working Group on GEOHAB Implementation in the Baltic [WGGIB]
BCC:07	Study Group on Multispecies Assessment in the Baltic [SGMAB]
BCC:08	Study Group on Ageing Issues of Baltic Cod [SGABC]
BCC:09	ICES/BSRP/HELCOM Workshop on Developing a Framework for Integrated Assessment for the Baltic Sea [WKIAB]

Diadromous Fish Committee (DFC)

DFC:01 Ref. BCC Study Group on Salmon Age Determination (SGSAD)

Fisheries Technology Committee (FTC)

FTC:01	Working Group on Fisheries Acoustics, Science and Technology [WGFAST]
FTC:02, Ref. WGFAST	Study Group on Collection of Acoustic Data from Fishing Vessels [SGAFV]
FTC:03 Ref. MHC, ACE, WGFAST	Study Group on Acoustic Seabed Classification [SGASC]

FTC:04 Ref. SGUFM, WGFTFB and all stock assessment WGs	Workshop on Unaccounted Fishing Mortality [WKUFM 2]
FTC:05 Ref. LRC, RMC, WGFTFB, WGIBTS	Study Group on Survey Trawl Standardisation [SGSTS]
FTC:06	ICES/FAO Working Group on Fishing Technology and Fish Behaviour [WGFTFB]
FTC:07 Ref. WGFTFB	Study Group on Unaccounted Fishing Mortality [SGUFM]
FTC:08 Ref. BCC, WGFAST	Study Group on Target Strength Estimation in the Baltic Sea [SGTSEB]
FTC:09 Ref. WGFAST	Planning Group on the HAC Data Exchange Format [PGHAC]

Living Resources Committee (LRC)

LRC:01 Ref. ACFM	Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX [WGACEGG]
LRC:02 Ref. RMC	Planning Group on North Sea Cod and Plaice Egg Surveys in the North Sea [PGEGGS]
LRC:03 Ref. WGNSSK, HAWG	Study Group on Recruitment Variability in North Sea Planktivorous Fish [SGRECVAP]
LRC:04 Ref. RMC, HAWG	Planning Group for Herring Surveys [PGHERS]
LRC:05 Ref. ACFM, ACE	Study Group of Regional Scale Ecology of Small Pelagic Fish [SGRESP]
LRC:06 Ref. RMC, DFC, ACE	Working Group on Fish Ecology [WGFE]
LRC:07 Ref. BCC, RMC	Baltic International Fish Survey Working Group [WGBIFS]
LRC:08 Ref. ACE, ACME	Working Group on Seabird Ecology [WGSE]
LRC:09 Ref. RMC	Working Group on Mackerel and Horse Mackerel Egg Surveys [WGMEGS]
LRC:10 Ref. FTC, ACFM	Working Group on Crangon Fisheries and Life History [WGCRAN]
LRC:11 Ref. RMC, ACFM	Working Group on Beam Trawl Surveys [WGBEAM]
LRC:12	Stock Identification Methods Working Group [SIMWG]
LRC:13 Ref. RMC	Study Group on the Biology and Life History of Crabs [SGCRAB]
LRC:14 Ref. ACFM, ACE	Working Group on Cephalopod Fisheries and Life History [WGCEPH]

LRC:15 Ref. RMC, SIMWG	Study Group on Stock Identity and Management Units of Whiting [SGSIMUW]
LRC:16	ICES/GLOBEC Workshop on Long-term Variability in SW Europe [WKLTVSWE]
LRC:17 Ref. WGMHSA	Workshop on Mackerel and Horse Mackerel Egg Staging and Identification [WKMHMES]
LRC:18 Ref. ACFM	Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES areas VIII and IX [WGACEGG]

Mariculture Committee (MCC)

MCC:01 Ref. ACFM, MHC	Working Group on Pathology and Diseases of Marine Organisms [WGPDMO]
MCC:02	Working Group on Marine Shellfish Culture [WGMASC]
MCC:03 Ref. ACME	Working Group on Environmental Interactions of Mariculture [WGEIM]
MCC:04 Ref. ACME, ACE (WGECO), DFC	Working Group on the Application of Genetics in Fisheries and Mariculture [WGAGFM]
MCC:05 Ref. DFC, ACME	Working Group Marine Fish Welfare [WGMAFW]

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Marine Habitat Committee (MHC)

MHC:01 Ref. ACME	Working Group on Marine Sediments in Relation to Pollution [WGMS]
MHC:02 Ref. ACE	Working Group on the Statistical Aspects of Environmental Monitoring [WGSAEM])
MHC:03 Ref. OCC, ACME	Working Group on Marine Chemistry [MCWG]
MHC:04 Ref. ACME	Working Group on Biological Effects of Contaminants [WGBEC]
MHC:05 Ref. FTC, ACE	Working Group on Marine Habitat Mapping [WGMHM]
MHC:06	ICES Study Group on the North Sea Benthos Project 2000 [SGNSBP]
MHC:07 Ref. ACME	Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem [WGEXT]
MHC:08 Ref. ACME, ACE	Working Group on Integrated Coastal Zone Management [WGICZM]
MHC:09 Ref. ACE	Benthos Ecology Working Group [BEWG]
MHC:10	Workshop on Fisheries Management in Marine Protected Areas [WKFMMPA]
	Oceanography Committee (OCC)
OCC:01	Workshop on Indices of Meso-scale Structures in ICES waters [WKIMS]
OCC:02 Ref. ACME, ACE	Working Group on Phytoplankton Ecology [WGPE]
OCC:03	Working Group on Zooplankton Ecology [WGZE]

Ref. ACE

OCC:04 Ref. ACME	ICES-IOC Working Group on Harmful Algal Bloom Dynamics [WGHABD]
OCC:05	Workshop on Advancements in modelling physical-biological interactions in fish early-life history: recommended practices and future directions [WKAMF]
OCC:06 Ref. LRC, RMC, MHC, ACFM, ACME, ACE	Planning Group for the North Sea Pilot Project NORSEPP [PGNSP]
OCC:07	Working Group on Modelling Physical/Biological Interactions [WGPBI]
OCC:08 Ref. ACME, ACE	Working Group on Oceanic Hydrography [WGOH]
OCC:09 Ref. ACME, ACE	ICES-IOC Steering Group on GOOS [SGGOOS]
OCC:10	Working Group on Marine Data Management [WGMDM]
OCC:11	ICES/GLOBEC Working Group on Cod and Climate Change [WGCCC]
OCC:12 Ref. ACFM, ACE, RMC	Workshop on the Decline and Recovery of Cod Stocks throughout the North Atlantic including tropho-dynamic effects [WKDRCS]
OCC:13	Working Group on Recruitment Processes [WGRP]
OCC:14 Ref. Bureau	Steering Group for the ICES/GLOBEC North Atlantic Programme and Regional Office [SGNARO]
	Resource Management Committee (RMC)
RMC:01 Ref. LRC, ACFM	Workshop on Advanced Fish Stock Assessment Techniques [WKAFAT]
RMC:02	Study Group on Multispecies Assessments in the North Sea [SGMSNS]
RMC:03	International Bottom Trawl Survey Working Group [IBTSWG]
RMC:04 Ref. LRC, ACFM, ACE, ACME	Study Group on Risk Assessment and Management Advice [SGRAMA]
RMC:05	Working Group on Fishery Systems [WGFS]
RMC:06 Ref. ACFM, ACE	Regional Ecosystem Study Group for the North Sea [REGNS]
RMC:07 Ref. ACFM	Working Group on Methods on Fish Stock Assessments [WGMG]
RMC:08 Ref. LRC, ACFM, ACE	Planning Group on Northeast Atlantic Pelagic Ecosystem Surveys [PGNAPES] will meet in Reykjavik, Iceland, from 15–18 August 2006
RMC:09 Ref. NWWG, SGRS, AFWG, ACFM	Workshop on Age Determination of Redfish [WKADR] will be held from 28 August-1 September 2006 in Vigo, Spain
RMC:10	Study Group on Age-length Structured Assessment Models [SGASAM] will meet at ICES Headquarters from 27 November to 1 December 2006

Contributions for the Theme Sessions

Theme Session B

Large-scale changes in the migration of small pelagic fish and the factors modulating such changes

(Co-sponsored by PICES)

CM code Authors and title

- B:01 *Ken Cooke, John Holmes, Guy Fleischer, Rebecca Thomas, and Patrick Ressler*: Distributional changes observed in the geographic range of Pacific hake (*Merluccius productus*) in association with ocean conditions off the Pacific coast of Canada and the United States
- B:02 *Rubén Rodríguez-Sánchez, Sofia Ortega-García, and Héctor Villalobos*: Pacific sardine (*Sardinops caeruleus*) around the southern tip of the Baja California peninsula, Mexico and its relation to the interannual variability of the California Current
- B:03 *Nancy C. H. Lo:* Age-specific migration and availability of Pacific sardine (*Sardinops sagax*) off west coast of American continent
- B:04 *Yoshiro Watanabe, Yoshioki Oozeki, and Hiroshi Nishida*: Expansion and contraction of spawning ground of Japanese sardine in the last 25 years with resurgence and collapse of the spawning biomass
- B:05 *Alla Galactionova, A. Sirota and P. Chernyshkov*: Long-scale and seasonal shifts in distribution patterns of small pelagic fish off Northwest African coast related to environmental factors
- B:06 *Valeriy N. Feldman, Tatiana G. Vasilieva, and Svetlana M. Kasatkina*: Large-scale and mesoscale changes in the migration and distribution of Baltic sprat in 1992–2005 and factors determining such changes
- B:07 *Pierre Petitgas, Dave Reid, Benjamin Planque, Enrique Nogueira, Brendan O'Hea and Unaï Cotano*: The entrainment hypothesis: an explanation for persistence and innovation in spawning migrations and life cycle spatial patterns
- B:08 *Jürgen Alheit*: Comparison of large-scale migrations of sardines, herring and anchovy in Pacific and European waters
- B:09 *Yoshioki Oozeki, H. Kubota, A. Takasuka, and R. Kimura*: Decadal shifts of spawning grounds of small pelagic fishes off the Pacific coast of Japan
- B:10 Geir Huse, Anders Fernö and Jens Christian Holst: Numerical domination and herring migrations
- B:11 *Janet C. Coetzee, Carl D. van der Lingen, Tracey Fairweather, and Laurence Hutchings*: Has fishing pressure caused a major shift in the distribution of South African Sardine?
- B:12 *Mariano Gutierrez and F. Gerlotto*: Alternation in the spatial distribution of sardine and anchovy in the Humboldt Current: effects of climate or behavioural interactions?
- B:13 *Rodolfo Cornejo, Arnaud Bertrand, and Mariano Gutierrez*: Effects of the oxygen minimum zone on the distribution and behaviour of micronektonic acoustic back-scattering layers off Peru
- B:14 Dave Reid, A. Eltink, C. J. Kelly, and M. Clark: Long term changes in the pattern of the prespawning migration of the western mackerel (Scomber scombrus) since 1975, using commercial vessel data
- B:15 Poster *Remment ter Hofstede, Mark Dickey-Collas, I. Mantingh, and A. Wague:* The link between migration, the reproductive cycle and condition of *Sardinella aurita* off Mauritania, Northwest Africa
- B:16 Poster *Pablo Tjoeawie, JaapJan Zeeberg, Ad Corten, Josep Coca, Bambay Hamady, and Ebaye Ould Mohamed Mahmoud:* The influence of ocean variability on the abundance and migration of small pelagic fish along the Northwest African shelf
- B:17 Poster *Dmitry A. Kozlov*: Particularities of the length composition of *Alfonsin Beryx splendens* Lowe, 1833 on seamounts of the northern part of the Atlantic Ocean
- B:18 Poster Súni Lamhauge, Anatoly Filin, and Ivan Oganin: Origin of Notoscopelus kroeyeri in the Northeast Atlantic

Theme Session C

Climatic variability in the ICES area – 2000–2005 in relation to previous decades: physical and biological consequences

C:01 Ralf Weisse and Hans von Storch: Storm climate and related marine hazards in the Northeast Atlantic and the North Sea C:02 Harald Yndestad: Possible lunar nodal tide effects on climate and ecosystem variability in the Nordic Seas and the Barents Sea C:03 M. F. de Jong and H. M. van Aken: Variability and possible convective mixing in the Irminger Sea C:04 Laura Uusitalo, S. Kuikka, P. Kauppila, P. Söderkultalahti, and S. Bäck: Bayesian impact analysis of geographical environmental factors: predicting the effects of climatic change and water quality management on fish productivity C:05 Withdrawn C:06 J. A. Lindley, R. R. Kirby, D. G. Johns, and P. C. Reid: Exceptional abundance of the snake pipefish (Entelurus aequoreus) in the north-eastern Atlantic Ocean C:07 Antonio Bode, M. Teresa Alvarez-Ossorio, J. Manuel Cabanas, Carmela Porteiro, Manuel Ruiz-Villarreal, M. Begoña Santos, M. Bernal, Luis Valdés, and Manuel Varela: Recent changes in the pelagic ecosystem of the Iberian Atlantic in the context of multidecadal variability C:08 Marcos Llope and Ricardo Anadón: Linear and non-linear trends driving the hydrography of the southern Bay of Biscay and its effects on phytoplankton C:09 Rainer, Feistel, Günter Nausch, and Eberhard Hagen: Response of Baltic water properties to the unusual inflow sequence since 2002 C:10 Withdrawn C:11 Fabienne Gaillard and Emmanuelle Autret: Interannual variability of the North-Atlantic: space and time characterization of the temperature and salinity properties C:12 Poster Alexander Sirota, G. Chernega, and S. Kuderskiy: Climatic trends in the North Atlantic and their consequences for the Canary Upwelling region C:13 Withdrawn C:14 Tom Rossby, Vladimir Ozhigin, Victor Ivshin, and Sheldon Bacon: Isopycnal analysis of nearsurface waters in the Norwegian-Barents Sea region César Meiners, L. Fernández, P. Torres, and A. Ramos: Climate variability and recruitment C:15 success of European hake (Merluccius merluccius L.) in NW Africa C:16 V. Valencia, Almudena Fontán, A. Borja, and N. Goikoetxea: Oceano-meteorological conditions in the SE Bay of Biscay for the period 2001-2005. A comparison with the period 1986-2005 and other reference periods C:17 Cindy J. G. van Damme and A. S. (Bram) Couperus: Mass occurrence of snake pipefish: result of a change in climate? C:18 Kevin D. Friedland, Michael J. Miller, and Brian Knights: Ocean-climate change, regime shifts and possible impacts on the recruitment of the European eel, Anguilla anguilla Ute Daewel, Myron A. Peck, Michael A. St. John, and Corinna Schrum: Investigating the effect C:19 of changing environmental factors on spatial and temporal variability in larval sprat growth and survival in the North Sea C:20 O. S. Astthorsson and J. Palsson: New fish records and records of rare southern species in Icelandic waters in the warm period 1996-2005 C:21 Withdrawn C:22 Øystein Skagseth, Kjell Arne Mork and Harald Loeng: Variations in the cascading of Barents Sea bottom water to the Norwegian Sea

C:23	<i>W. Paul Budgell, Lars Asplin, Vidar S. Lien, and Einar Svendsen</i> : Development of a global hindcast archive of ocean and ice conditions 1958–2004 with a focus on the North Atlantic and Arctic
C:24	Withdrawn
C:25	<i>N. Penny Holliday, Sarah Hughes, Sheldon Bacon, and members of the ICES Working Group on Oceanic Hydrography</i> : Recent warming and salinification of the North Atlantic Ocean as observed by standard sections
C:26	<i>César González-Pola, A. Lavín, R. Somavilla, and M. Vargas-Yañez</i> : Central water masses variability in the southern Bay of Biscay form early 90s. The effect of the severe winter 2005
C:27	Ricardo F. Sánchez, Manuel Ruiz-Villareal, César González-Pola, Guillermo Díaz del Río, José Manuel Cabanas, Juan Alonso, Carmen Rodríguez, Nicolás González, and Alicia Lavín: Hydrological variability of intermediate water masses in the eastern North Atlantic and in the Bay of Biscay during 2003–2005 and comparisons with historical data
C:28	Glenn Nolan and Kieran Lyons: Ocean climate variability on the western Irish Shelf, an emerging time series
C:29 Poster	<i>Vladimir Boitsov, E. Orlova, and V. Nesterova</i> : Oceanographic factors influencing the formation of zooplankton biomass in the central latitudinal zone of the Barents Sea
C:30 Poster	Henk H. L. Heessen and Jim R. Ellis: New species in the North Sea
C:31 Poster	Marat A. Bogdanov and Y. N. Tananaeva: The peculiarities of the interannual variability in temporal alterations of the cold and warm seasons and their duration in the Norwegian, Greenland and Barents Seas
C:32 Poster	<i>Anda Ikauniece</i> : Changes in the cladoceran community as an indicator of climatic variability in the Gulf of Riga, NE Baltic Sea
C:33 Poster	Asta Gudmundsdottir and Thorsteinn Sigurdsson: Fishery and distribution of the Icelandic summer spawning herring since its recovery in 1970's
C:34 Poster	<i>E. M. Karasiova</i> : Current changes of key environment factors contribution into the Baltic sprat reproductive success as compared to the previous decades
C:35 Poster	Nicolás González, Menchu Rodríguez, Juan Alonso, Alicia Lavín, Manuel Ruiz VIllarreal, César González-Pola, Ricardo Sánchez Francisco Plaza, Guillermo Díaz Del Río, J. M. Cabanas, and R. C. Jueguen: Temporal series observations of water masses off Cape Finisterre North West of Spain
C:36 Poster	Vidar Lien, Randi Ingvaldsen, Harald Loeng, and Øystein Skagseth: Climate variability in the Barents Sea 2000-2005
C:37 Poster	Héðinn Valdimarsson, Steingrímur Jónsson, and Höskuldur Björnsson: Climatic variability in Icelandic waters and potential effects on biota
C:38 Poster	<i>Sara L. Hughes and Penny Holliday</i> : The ICES Annual Ocean Climate Status Summary 2005: Prepared by the ICES Working Group on Oceanic Hydrography
C:39 Poster	Jan Aure, Didrik S. Danielssen, and Einar Svendsen: Climatic changes in the deep Norwegian Coastal waters and Skagerrak 2000–2005 in relation to previous decades

Theme Session on D

Census of Marine Life: Community and species biodiversity in marine benthic habitats from the coastal zone to the deep sea

- D:01 S. J. Smith, V. E. Kostylev, B. J. Todd and C. Frail: Using bottom type and water depth information to predict bycatch species in a sea scallop (*Placopecten magellanicus*) fishery
- D:02 *Niels Daan*: Spatial and temporal trends in species richness of the total North Sea fish community, and its southerly and northerly components separately, based on the IBTS, 1977–2005

- D:03 S. Yu. Guliugyn, F. F. Litvinov, and A. M. Sirota: The distribution and relative abundance of elasmobranch species along North-Western African shelf and slope (from Gibraltar to 16°N) as compared to retrospective data (70s-80s) and environment Bradley P. Harris, Kevin D. E. Stokesbury, Jacob I. Nogueira, and Michael C. Marino II: D:04 Benthic habitat mapping in offshore USA sea scallop, (*Placopecten magellanicus*), beds based on underwater video surveys D:05 Chih-Lin Wei and Gilbert T. Rowe: The bathymetric zonation and community structure of deepsea macrobenthos in the Northern Gulf of Mexico D:06 Withdrawn D:07 Withdrawn T. J. Pitcher, P. J. B. Hart, T. Morato, M. Clark, and R. S. Santos: Seamounts: ecology, fisheries D:08 and conservation: a new contribution from CenSeam D.09 Vasily Sokolov: Zoogeography of decapod crustaceans in the Euro-Asiatic Seas of Arctic region Michaela Aschan and H. C. Trannum: Community and species biodiversity in benthic fauna of D:10 the Barents Sea D:11 Roland Pitcher, Peter Doherty, John Hooper, Peter Arnold, and Neil Gribble: Seabed Biodiversity of the Continental Shelf of the Great Barrier Reef Region D:12 Sebastian P. Holmes and Jaap van der Meer: Population genetics and dispersal: can one be used to predict the other? D:13 Jeremy Collie, Page Valentine, John Anderson, and Donald Gordon: A small hotspot of benthic biodiversity on the northwest Atlantic continental shelf D:14 Falk Huettmann et al.: A global modeling method for predicting benthos diversity and abundance: using RandomForest to link public available historic survey data with environmental data for the Bering Sea region and beyond D:15 Poster Sandrine Vaz, J. Martin, Y. Verin, and D. Le Roy: Mapping benthic invertebrate assemblages from bottom trawl hauls observations D:16 Poster Uwe Piatkowski, Michael Vecchione, and Richard E. Young: Community and species diversity of deepwater cephalopods along the northern mid-Atlantic Ridge D:17 Poster Bhavani E. Narayanaswamy and Graham B. Shimmield: The Census of Marine Life in Europe Falk Huettmann and Simon Pittman: A Global Template for predicting pelagic species diversity D:18 Poster and abundance: Using TreeNet to link public available historic seabird data with remotely sensed environmental data for the Gulf of Maine
- D:19 *Mark J. Costello, Edward Vanden Berghe, Cliff Cunningham, and Serge Rotenberg*: Origins of the North East and North West Atlantic marine biota

Theme Session E

Operational Oceanography

(Co-sponsored by PICES)

- E:01 *Benjamin Planque*: Tackling the appropriate processes, temporal and spatial scales for fisheries Operational Oceanography
- E:02 *Laure Buffaz and B. Planque*: Applications of Operational Oceanography to fisheries management : the case of the anchovy in the Bay of Biscay
- E:03 *P. Montero, S. Torres-López, P. Otero, Y. Pazos, M. Ruiz-Villarreal, and Luis U. Vilasa:* Modelling warm inshore poleward jet in relation to HABs advection at Northwest Iberia
- E:04 *Franciscus Colijn, Wilhelm Petersen, Henning Wehde, and Friedhelm Schroeder*: Automated measuring system for monitoring of coastal waters: synthesis of results of the EU-funded FerryBox project
- E:05 Withdrawn

- E:06 *Monika Nausch and Günther Nausch*: Phosphorus regulation of the cyanobacteria development in the Baltic Sea
- E:07 Hans Dahlin: On creating sustained Operational Oceanography in Europe
- E:08 *Thomas Neumann, F. Janssen, and G. Schernewski*: Modelling cyanobacteria bloom variability in the Baltic Sea
- E:09 Lennart Funkquist: An Operational Oceanographic service system for the Baltic Sea
- E:10 D. K. Mills, P. Walker, J. M. Rees, S. Malcolm, C. J. Fox, M. Edwards, R. Laane, P. Bot, H. Ridderinkhof, F. Colijn, W. Petersen, F. Schroeder, Henning Wehde, J. Johannessen, E. Svendsen, and B. Hackett: Development of a European Marine Ecosystem Observatory (EMECO)
- E:11 *Andrey P. Pedchenko and A. V. Dolgov*: Estimation of ecosystem changes exemplified by fish community from the Irminger Sea as a result of active water warming in the North Atlantic in the last decade
- E:12 *Kari Eilola, E. Almroth, L. J. Naustvoll, P. A. Andersen, and B. Karlson*: Modelling the dynamics of harmful blooms of Chattonella sp. in the Skagerrak and the Kattegat
- E:13 *John R. Siddorn, Ricardo Torres, J. Icarus Allen, and Martin W. Holt*: Moving towards operational ecosystem modelling for the prediction of HABs and the "ecosystem approach"
- E:14 *Henning Wehde, Kai Sørensen (NIVA), Friedhelm Schroeder (GKSS), Wilhelm Petersen (GKSS), and Harald Loeng (IMR):* Operational Oceanography of the North Sea/Skagerrak and Norwegian Sea by ferrybox systems: from one line to a coordinated network of ferryboxes
- E:15 *Maria Jose Juan Jorda and John A. Barth*: Integration of oceanographic information off the Oregon and Washington coasts into U.S. West Coast groundfish ecology and fisheries management
- E:16 *Einar Svendsen, Morten Skogen, Paul Budgell, Geir Huse, Jan Erik Stiansen, Bjørn Ådlandsvik, Frode Vikebø, Lars Asplin, and Svein Sundby*: An ecosystem modeling approach to predicting cod recruitment
- E:17 Laurent Bertino and K. A. Lisæter: The TOPAZ Arctic monitoring and prediction system
- E:18 *Yves Desaubies and Mersea consortium*: Mersea Marine Core Services: towards an integrated environmental monitoring system
- E:19 N. Pinardi, G. Coppini, S. Dobricic, V. Fernandez, C. Fratianni, A. Guarnieri, F. Marzocchi, P. Oddo, and M. Tonani: The Mediterranean Forecasting System: a GMES prototype regional core service and the environmental applications
- E:20 Poster J. Ozer, V. Pison, S. Scory, D. Van den Eynde, and B. Nechad: Towards confidence indexes for model forecast in coastal waters
- E:21 Poster *Yoshioki Oozeki, S. Ito, S. Kakehi, and H. Kubota*: Development of real-time data exchange system between research vessels and shore-based analysts via Internet satellite
- E:22 Poster *Luis Ferrer, M. González, A. Fontán, Ad. Uriarte, and M. Collins*: Operational Oceanography System in the Prestige crisis: problems, solutions and applications
- E:23 Withdrawn
- E:24 Poster Andrey P. Pedchenko, V. D. Boitsov, V. A. Borovkov, V. V. Guzenko, A. L. Karsakov, and E. V. Sentyabov: Problems of hydrographic observations on standard sections in the North Atlantic and adjacent seas

Theme Session F

What plankton are fish really eating? Species and diets, availability and dependency

- F:01 *Ivan Mateo*: Application of the Wisconsin bioenergetics model to Georges Bank and Gulf of Maine Atlantic cod populations
- F:02 *Ain Lankov, Leili Järv, Tiit Raid, Mart Simm, Timo Arula, and Sergei Põlme*: Perch and herring different feeding strategies in early life history?

- F:03 *Piotr Margonski, K. Horbowa, A. Grzyb, A. Krajewska-Soltys, and T. B. Linkowski*: Food composition of herring larvae in the Vistula Lagoon (southern Baltic Sea): impact of hydrological factors and changes in zooplankton community structure
- F:04 *Emma L. Orlova, G. B. Rudneva, A. V. Dolgov, N. G. Ushakov, L. L. Konstantinova, and N. G. Zhukova*: Long-term dynamics of capelin feeding in the Barents Sea and decisive factors
- F:05 Sanna Rönkkönen, Sigrún Huld Jónasdóttir, Eveliina Lindén, Miina Karjalainen and Markku Viitasalo: Zooplankton fatty acid composition in the Baltic Sea: spatial and interspecific variation
- F:06 Irina Prokopchuk: Feeding of 0-group herring Clupea harengus (Linné) in the Barents Sea
- F:07 John K. Pinnegar, Jeroen van der Kooij, Georg H. Engelhard, Julia L. Blanchard, Karema J. Warr, and David Righton: Small-scale variability in fish diet and whether or not this reflects local patterns of prey availability
- F:08 *Valeriy N. Feldman, Faina A. Patokina, and Natalia A. Kalinina*: What herring and sprat can eat in the Baltic Sea and what they should eat: species and diets, daily rations and food demands
- F:09 *E. Marquis, P. Petitgas, N. Niquil, and C. Dupuy*: Influence of the small pelagic fish on the structure and functioning of the planktonic food web on the continental shelf of the Bay of Biscay
- F:10 *Monika Haugland, Jens Christian Holst, Marianne Holm, and Lars Petter Hansen*: Feeding of Atlantic salmon (*Salmo salar* L.) postsmolts in the Northeast Atlantic
- F:11 *Hiroshi Kubota, Y. Oozeki, and R. Kimura*: Evidence of niche segregation between mesopelagic fishes (Myctophidae and Gonostomatidae) and larval and juvenile Japanese anchovy from their gut contents and the diurnal vertical migration of prey zooplankton
- F:12 *Herdis Langøy, Leif Nøttestad, Georg Skaret, Cecilie T. Å. Broms, and Anders Fernö*: Feeding ecology of Atlantic mackerel (*Scomber scombrus*) in the Norwegian Sea
- F:13 *Michael Shaw, Rabea Diekmann, Peter Bromley, David Righton, and Steve Milligan:* Assessment of the diets of cod and whiting larvae in a frontal region close to the Norwegian trench: co-existence or competition?
- F:14 William L. Rowlands, Mark Dickey-Collas, Audrey J. Geffen, and Richard D. M. Nash: Do gadoids really prefer Calanus? The prey selection through metamorphosis in Irish Sea cod (Gadus morhua), haddock (Melanogrammus aeglefinus) and whiting (Merlangius merlangus)
- F:15 Jari-Pekka Pääkkönen, H. Peltonen, M. Karjalainen, J. Pönni, M. Vinni, and M. Viitasalo: Zooplankton-fish interactions in the Gulf of Finland, Baltic Sea: Results from the open sea cruises 2004–2005
- F:16 William L. Rowlands, Mark Dickey-Collas, Audrey J. Geffen and Richard D. M. Nash: Prey size selection through larval development in Irish sea cod (Gadus morhua), haddock (Melanogrammus aeglefinus) and whiting (Merlanguis merlangus)
- F:17 Susana Garrido, Maria Emilia Cunha, Paulo B. Oliveira, and Carl van der Lingen: Diet composition and feeding behaviour of Iberian sardine (Sardina pilchardus)
- F:18 Withdrawn
- F:19 Withdrawn
- F:20 Poster Maria Manuel Angélico, Marta Silva, Fátima Quintela, and Susana Garrido: Observations on Trachurus trachurus diet and zooplankton community structure at two locations off the Portuguese coast
- F:21 Poster Kristin Helle: Prey selection of early juvenile cod (Gadus morhua L.) in the Barents Sea
- F:22 Poster *Gunta Aispure*: Daily feeding patterns and feeding rates of copepod *Limnocalanus macrurus* in the Bothnian Sea (Baltic Sea)
- F:23 Poster Llona Zloch and Mariusz R. Sapot: Interspecific feeding relationship between Pomatoschistus microps and Pomatoschistus minutus, two sympatric co-existing goby species from the Gulf of Gdańsk (Southern Baltic)
- F:24 Poster Súni Lamhauge: Predation of mesopelagic fish in Faroese waters

- F:25 Poster T. Moura, I. Figueiredo, I. Farias, B. Serra-Pereira, A. Neves, L. Gordo and M. F. Borges: Ontogenetic dietary shift and feeding strategy of *Raja undulata* in the Portuguese continental shelf
- F:26 Poster *E. J. Martino, E. D. Houde, and C. Lozano*: Variability in dominant prey types of larval and juvenile stage striped bass in strong and poor recruitment years

Theme Session G

Human health risks and marine environmental quality

- G:01 B. Y. Kamaruzzaman, N. A. M. Shazili, K. Y. S. Willison, M. C. Ong, and H. A. G. Norhiezam: A role of a northeast monsoon seasons in the dilution of heavy metals concentrations in sediments off Pahang, South China Sea
- G:02 *Jan-Willem Wegener and Frank Willemsen*: Sources, consumer exposure and risks of organotin contamination in seafood
- G:03 *Aad Smaal, Jeroen Wijsman, and Marnix Poelman*: Proliferation of the Pacific oyster *Crassostrea gigas* in Dutch coastal waters and its consequences for human use
- G:04 *Jacob de Boer and Pim E. G. Leonards*: Contaminants in marine food chains: old patents and new pollutants
- G:05 *Pim de Voogt*: Perfluorinated alkylated substances in the marine environment
- G:06 *N. Carro, I. García, M. Ignacio, and A. Mouteira*: Distribution of PCBs compounds in Bivalve molluses coming from Galicia Coast (N.W. Spain)
- G:07 Poster *Natalia Chukalova*: An assessment of risks of bream (*Abramis brama* L.) from the Russian EEZ of the Vistula and the Curonian Lagoons (the South- East Baltic Sea) for human food using
- G:08 *Martine van den Heuvel-Greve1, Pim Leonards, and Dick Vethaak*: Food web transfer of dioxins and other contaminants in the Western Scheldt: implications for human and environmental health
- G:09 Poster *Galina Rodjuk and A. Eliseev*: Parasitological assessment of the commercial fishes from the Russian EEZ of the South Baltic Sea
- G:10 Withdrawn
- G:11 *J. Kevin Summers, James E. Harvey, and Linda C. Harwell*: Assessing nation-wide distributions of contaminant levels in selected finfish and shellfish from the estuaries of the United States
- G:12 Poster *Reinhard Kruse*: Automated Determination of Hg-Species in Marine Biota by Means of GC-CVAFS after TMAH Digestion and Solvent Stripping as Serial Sample Preparation Procedure
- G:13 *Stefan Effkemann*: Is the use of biological approaches for diarrhetic shellfish poisoning testing still justifiable ?

Theme Session H

Evolutionary effects of exploitation on living marine resources

H:01 A. I. Arkhipkin: Evolutionary effects of exploitation on short-living marine resources: nektonic squid Illex argentinus and Loligo gahi in the Southwest Atlantic
H:02 Withdrawn
H:03 A. T. Laugen: Exploitation-induced changes in farmed stocks of Pacific oysters along the French Atlantic coast
H:04 Ken H. Andersen, K. Farnsworth, U. H. Thygesen, and J. E. Beyer: Management options for reversing depressed maturation-size in Baltic Cod
H:05 David S. Boukal, André M. de Roos, and Lennart Persson: How does stochasticity affect evolutionary regime shifts in age and size at maturation?

H:06 Marie-Joëlle Rochet: An overview of evolutionary effects of fishing on populations, and their implications for management H:07 Oleg M. Lapshin, B. N. Kotenev, Y. G. Izumov, and Y. V. Gerasimov: Morphological features of walleye pollock individuals from the different parts of a trawl H:08 Anna Gårdmark and Ulf Dieckmann: Size-dependent mortality causes divergent evolutionary responses in maturation size Anssi Vainikka, A. Gårdmark, B. Bland, and J. Hjelm: Fishing-induced early reproduction at the H:09 cost of growth in the Baltic cod Gadus morhua? H:10 Erin S. Dunlop, Marissa L. Baskett, Mikko Heino, and Ulf Dieckman: The propensity for marine reserves to slow the evolutionary effects of fishing H:11 Ulf Dieckmann, Erin S. Dunlop, and Mikko Heino: Eco-genetic models: A new framework for understanding fisheries-induced evolution H:12 Shahaama Abdul Sattar, Christian Jørgensen and Øyvind Fiksen: Effects of fisheries on energyand sex-allocation in slow-growing hermaphrodites such as groupers H:13 Christian Jørgensen, Øyvind Fiksen, and Bruno Ernande: Effects of different management regimes on harvest-induced life history evolution in Northeast Arctic cod H:14 Fabian M. Mollet, Sarah B. M. Kraak, and Adriaan D. Rijnsdorp: Fisheries-induced evolutionary change in the onset of maturation in North Sea sole (Solea Solea) H:15 Jeffrey A. Hutchings and Sherrylynn Rowe: Potential consequences of reproductive behaviour and mating system complexity on fishery-induced evolution H:16 Anne Maria Eikeset, Erin Dunlop, Eric Naevdal, Nils Chr. Stenseth, and Ulf Dieckmann: A bioeconomic model on fisheries-induced evolution in North-east Arctic cod H:17 Åke Brännström, Nicolas Loueille, Michel Loreau, and Ulf Dieckmann: Evolutionary consequences of harvesting in ecosystems H:18 Katja Enberg, Erin S. Dunlop, Mikko Heino, and Ulf Dieckmann: Ecological and evolutionary recovery of exploited fish stocks H:19 Loïc Baulier, Mikko Heino, George R. Lilly, and Ulf Dieckmann: Body condition and evolution of maturation of Atlantic cod in Newfoundland H:20 Poster Fabio Fiorentino, F. Badalamenti, G. D'Anna, T. Fortibuoni, G. Garofalo, M. Gristina, and C. *Pipitone*: Effects of a trawling ban on the life-history patterns of exploited fishes. The case of

Theme Session I

red mullet (Mullus barbatus, L. 1758) in the Gulf of Castellammare (north-western Sicily-

Quantifying, summarizing, and integrating total uncertainty in fisheries resource surveys

I:01	S. J. Smith, M. J. Lundy, B. J. Todd, V. E. Kostylev, and G. Costello: Incorporating bottom type information into survey estimates of sea scallop (<i>Placopecten magellanicus</i>) abundance
I:02	Michael C. S. Kingsley, Bo Bergstrøm, Kai Wieland, and Michael Rosing: A Bayesian gear change: estimating and using a correction factor for survey catchability
I:03	<i>Michael C. S. Kingsley</i> : Uncertainty in surveys carried out using non-independent sampling: quantifying and summarising
I:04	Withdrawn

- I:05 *Marie-Joëlle Rochet, Verena M. Trenkel, and André Battaglia*: Estimating end effect in trawl catches
- I:06 Withdrawn

Mediterranean)

I:07 Daniel K. Kimura: Interpreting spatial variability found in fishery survey data

I:08	Aril Slotte, Dankert Skagen, and Svein A. Iversen: Size and condition of mackerel in research vessel trawl hauls versus commercial purse seine catches: implications for acoustic biomass estimation
I:09	David Demer: Estimates of sampling and measurement error in acoustic surveys of Antarctic krill
I:10	Kjell R. Utne and Egil Ona: Acoustic extinction in dense herring layers, measured from a bottom-mounted transducer
I:11	Egil Ona: Seasonal variability in cod target strength
I:12	Michael Pennington and Odd Nakken: Timely evaluation of stock status based on scientific surveys, an update
I:13	Magne Aldrin and Anders Løland: Estimating and decomposing total uncertainty for survey- based abundance estimates of Norwegian spring-spawning herring
I:14	S. M. Kasatkina and P. S. Gasyukov: Estimating uncertainty in Baltic acoustic survey results applying geostatistics techniques and simulation
I:15	Mathieu Woillez, J. Rivoirard, and P. Fernandes: Evaluating the uncertainty of abundance estimates from acoustic surveys using geostatistical conditional simulations
I:16	<i>Martin J. Cox, Jonathan L. Watkins, Monique L. MacKenzie, and Andrew S. Brierley:</i> The effect of missing acoustic observations (dropped pings) on mean area density estimates of Antarctic krill (<i>Euphausia superba</i>)
I:17	Withdrawn
I:18	<i>Valerie Mazauric, Laurent Berger, and Verena Trenkel</i> : Biomass estimation using the new scientific multibeam echo sounder ME70
I:19	Hans Gerritsen and David McGrath: An overview of sources of bias and uncertainty in fisheries surveys
I:20	Geir Pedersen, O. R. Godø, E. Ona, T. Torkelsen, and R. Pedersen: Uncertainty in in situ target strength measurement of blue whiting (Micromesistius poutassou)
I:21	<i>Espen Johnsen and Olav Rune Godø</i> : Diurnal variation in acoustic abundance of blue whiting (<i>Micromesistius poutassou</i>) – an effect of tilt angle distribution?
I:22	<i>Vidar Hjellvik, Nils Olav Handegard, and Egil Ona</i> : Correcting for avoidance in acoustic abundance estimates for herring using a generalized linear model
I:23	<i>Olav Rune Godø, Vidar Hjellvik, and Dag Tjøstheim</i> : Diurnal variation in frequency response of gadoids in the Barents Sea
I:24	<i>Vidar Hjellvik and Egil Ona</i> : How many trawl hauls, and how many fish from each haul are needed to obtain a given precision in the age structure estimate for Norwegian spring-spawning herring? A bootstrap approach
I:25	Carla Scalabrin, J. Y. Coail, G. Bavouzet, J. P. Vacherot, M. Le Goff, and J. Morard: Comparing data from hull mounted and ROV acoustics: impact on acoustic density measurements of different target to sensor distances
I:26	Ian Doonan: Quantifying error sources in deepwater acoustic surveys
I:27	Jacques Massé, Verena Trenkel, Caroline Kostecky, and Sonia Mehault: An attempt to reduce species mis-identification in acoustic assessment by using school descriptors, including multi-frequency indices
I:28	Marine Pomarede, J. Simmonds, R. Hillary, M. McAllister, L. Kell, and C. Needle: Evaluating the management implications of different types of errors and biases in fisheries resources surveys using a simulation-testing framework
I:29	<i>Paul Walline</i> : Sequential geostatistical simulation methods to assess the error distribution function for biomass determined from acoustic survey data
I:30	<i>Leo A. J. Nagelkerke and Iyob Tsehaye:</i> Sampling fisheries with high levels of accepted relative error may lead to overestimation of the statistical power of trend detection
I:31	Withdrawn

I:32 Poster	<i>Jeppe Kolding and Paul van Zwieten</i> : Lake Victoria Nile perch fisheries threatened by exploitation or eutrophication?						
I:33 Poster	Rainer Oeberst and Eberhard Götze: Combination of trawl results during acoustic surveys – CASE STUDY						
I:34 Poster	<i>Vasily Sokolov</i> : Trap survey on the fishery boats as a promising way for stock assessment of red king crab (<i>Paralithodes camtschaticus</i>) in the Barents Sea						
I:35 Poster	<i>Vidar Hjellvik, Olav Rune Godø, and Dag Tjøstheim</i> : Can the precision of bottom trawl indices be increased by using simultaneously collected acoustic data? The Barents Sea experience						
I:36 Poster	Carla Scalabrin V. Trenkel, and D. Choqueuse: Autonomous bottom moored acoustic observatory for fish resources monitoring						
I:37	Withdrawn						
I:38 Poster	Einar Júlíusson: A formula for a more accurate VPA						
I:39	Withdrawn						
I:40	Withdrawn						
I:41 Poster	<i>Maria Conception Villanueva, B. Ernande, Sandrine Vaz, Jean-Paul Delpech, and A. Carpentier</i> : Trophic food web and ecosystem attributes of the Eastern English Channel						

Theme Session J

Is there more to eels than SLIME?

J:01 Poster	Yu-Jia Lin,	Su-Lean	Chang,	Mei-Yu	Chang,	Shih-Huan	Lin,	Tzyy-Ing	g Chen,	Mao-	Sen	Su,	Wei-
	Cheng Su,	and War	nn-Nian	Tzeng:	Estimat	tion of the	abuı	ndance c	of Japai	nese e	eels	Ang	uilla
	japonica in	the Kao-I	Ping Riv	ver estua	ry of Ta	iwan using	the n	nark-reca	pture n	nethod	1		

- J:02 Withdrawn
- J:03 Laurent Beaulaton and Cédric Briand: Effect of management measures on glass eel escapement
- J:04 *J. Klein Breteler et al.:* Assessment of population size and migration routes of silver eel in the River Rhine: a two-year combined telemetry and mark-recapture study
- J:05 D. J. Jellyman: Status of New Zealand freshwater eel stocks and management initiatives
- J:06 *David N. Carss*: Getting to grips with European Eel (*Anguilla anguilla*) population dynamics at two spatial scales
- J:07 *Patrick Lambert, Laurent Beaulaton, Françoise Daverat, and Christian Rigaud*: Assessment of eel stock status in Garonne and Dordogne water bodies by analysing length structures
- J:08 *Uwe Brämick, Janek Simon, and Erik Fladung*: Monitoring of European eel stocks in North-East Germany
- J:09 Poster W. N. Tzeng: Sex-dependent habitat use of the Japanese eel Anguilla japonica in Taiwan
- J:10 *Karsten Zumholz, Eva Jakob, and Reinhold Hanel*: Life history traits and migration behaviour of European eel The effects of habitat choice on eel spawner quality
- J:11 *Tony Bark, Beth Williams, and Brian Knights:* The current status and temporal trends in stocks of the European eel in England and Wales
- J:12 *Claude Belpaire and Geert Goemans*: Eels: contaminant cocktails pinpointing environmental contamination
- J:13 Poster *Mei-Chen Tseng, Wann-Nian Tzeng, and Sin-Che Lee:* Comparing the population structure of temperate *Anguilla japonica* with tropical *A. marmorata* in the Northwestern Pacific Ocean
- J:14 D. Bevacqua, A. J. Crivelli, P. Melià, M. Andrello, G. A. De Leo, and M. Gatto: Effectiveness of different measures for the recovery of the European eel (Anguilla anguilla) stock: an analysis for the Camargue lagoons
- J:15 *Janek Simon*: Age, growth and condition of European eel (*Anguilla anguilla*) from six lakes in the river Havel system (Germany)

J:16 Poster	Yu-Jia Lin, Linas Ložys, and Jeng-Chieh Shiao: Effects of habitat and restocking on the growth of European eel Anguilla anguilla
J:17	Hee-Yong Kim and S. Kimura: Effect of El Niño on migration and larval transport of the Japanese eel, Anguilla japonica
J:18	Linas Ložys, Chia-Hui Wang, Jen-Chieh Shiao, Yoshiyuki Iizuka, Chen-Feng You, and Wann- Nian Tzeng: Stock discrimination of the European eel Anguilla anguilla in Lithuanian waterbodies by otolith Sr:CA ratios and other elemental signatures
J:19	Withdrawn
J:20	<i>Paula Cullen and T. K. McCarthy</i> : Going with the flow – Can managing flow regimes aid in promoting silver eel spawner escapement from the Irish River Shannon system?
J:21 Poster	Eva Jakob, Karsten Zumholz, and Reinhold Hanel: The influence of habitat choice on parasite infestation of the European eel in northern Germany
J:22	<i>T. P. Bult and W. Dekker</i> : An experimental field study on the migratory behaviours of glass eel (<i>Anguilla anguilla</i>) at the interface of fresh and salt waters, with implications to the management and improvement of glass eel migration
J:23	Brian Knights, Tony Bark, and Beth Williams: A review of the status of European eel stocks in north west Europe
J:24 Poster	H. M. Jansen, H. V. Winter, M. C. M. Bruijs, and H. Polman: Just go with the flow? How individual behaviour and river discharge affects silver eel mortality in the river Meuse
J:25	H. V. Winter and H. M. Jansen: Against all odds: silver eel mortality in the River Meuse in a population perspective
J:26	Håkan Westerberg, Ingvar Lagenfelt, and Henrik Svedäng: Silver eel migration behaviour in the Baltic
J:27	Alan M. Walker, Miran W. Aprahamian, Mike Pawson, B. Williams, A. Bark, and B. Knights: Modelling of Anguilla anguilla production and silver eel escapement for the river Severn, compliance with targets and development of management plans
J:28	Hendrik Dörner, Christian Skov, Søren Berg, Torsten Schulze, Douglas Beare, and Gerard Van der Velde: The diet of large eels (Anguilla anguilla) in relation to food availability
J:29 Poster	José Lino Costa, Isabel Domingos, Armando Jorge Almeida, Eric Feunteun, and Maria José Costa: The interaction between Anguilla anguilla (Linnaeus, 1758) and Halobatrachus didactylus (Bloch & Schneider, 1801) and potential consequences of climatic changes
J:30	Withdrawn
J:31	Isabel Domingos, José Lino Costa, and Maria José Costa: Consequences of unreliable age determination in the management of the European eel, Anguilla anguilla (Linnaeus, 1758)
J:32	Gregory E. Maes and Filip A. M. Volckaert: Challenges in using genetics for European eel management: current status
J:33	D. K. Cairns et al.: Why has the American eel (Anguilla rostrata) declined in the St. Lawrence River but not the Gulf?
J:34	Arjan Pastra, V. J. T. van Ginneken, A. J. Murk, G. E. E. J. M. van den Thillart: Are dioxin-like contaminants responsible for the eel (Anguilla anguilla) drama?
J:35	Mårten Åström and Willem Dekker: Speed of recovery of recruitment of the European eel
J:36 Poster	Jaime Castellanos, Marina Santurtún, Estibaliz Díaz, P. Prouzet, and N. Bru: Recruitment and migration behaviour of glass eel in the Oria River: Preliminary results from the 2005–2006 season
J:37 Poster	Claude Belpaire, C. Geeraerts, H. Verbiest, G. De Boeck, L. Bervoets, M. Ovidio, J. C. Philippart, G. Doignon, and P. Gérard: EELBASE : A 4-years eel research proposal submitted to the Belgian Research programme "Science for a Sustainable Development"
J:38 Poster	Sérgia Costa Dias, Alfredo Oliveira, and Carlos Antunes: Minho river basin catchment area suitability for the European eel

J:39 Poster *Marcin Blaszkowski and T. K. McCarthy*: Variation in sex ratio of silver eels in the lower River Shannon, Ireland

Theme Session K

Discarding: quantities, causes, and consequences

- K:01 Mark S. Kaiser: A Bayesian estimator for discard weight in commercial marine fisheries
- K:02 Withdrawn
- K:03 *Colin Millar and Rob Fryer:* Modeling the distribution of haddock discards conditional on landings and other factors
- K:04 *Andrew B. Cooper*: Propagation of uncertainty in bycatch estimates through VPA stock assessment models
- K:05 *Vladimir Laptikhovsky, Joost Pompert, and Paul Brickle*: Fishery discards management and environmental impact in Falkland Islands Fisheries
- K:06 *Konstantin V. Drevetnyak, E. V. Gusev, K. M. Sokolov, and A. A. Grekov*: The Barents Sea and Russia: demersal fishery and discards
- K:07 *Azza El-Ganainy, M. H. Yassien, and E. A. Ibrahim:* Bottom trawl discards in the Gulf of Suez, Egypt
- K:08 Withdrawn
- K:09 *Elena Guijarro Garcia, L. Taylor, and U. Skúladóttir:* Trends in abundance of demersal fish species captured as by-catch in the offshore shrimp survey off North Iceland
- K:10 *Elena Guijarro Garcia, S. Á. Ragnarsson, and H. Eiríksson:* Changes in the macrobenthic community in Breiðafjörður, West Iceland, following the cessation of scallop dredging
- K:11 *Stuart Reeves, Andy South, and Mike Armstrong:* Using discard observer data to address mixed-fishery issues
- K:12 *Verena M. Trenkel, François Le Loc'h, and Marie-Joëlle Rochet:* Interactions between Norway lobster diel acitivity variations and the fishing strategy of *Neprophs* trawlers in the Bay of Biscay
- K:13 Spyros Fifas, Claire Macher, Marie-Joëlle Rochet, and Céline D'Hardivillé: Sorting factors in the Nephrops norvegicus French trawl fishery of the Bay of Biscay (VIIIab)
- K:14 *Claire Macher, Olivier Guyader, and Jean Boncoeur:* A microeconomic model of discarding behaviour
- K:15 *W. A. Karp, J. Barkas, S. Brooke, and L. Desfosse:* Estimating bycatch and discard in United States commercial fisheries
- K:16 Joël Vigneau: Raising procedures for discards: Sampling theory
- K:17 Withdrawn
- K:18 Withdrawn
- K:19 Susana Barbosa, Ana Cláudia Fernandes, Laura Wise, Dina Silva and Graça Pestana: Portuguese bottom trawl, longline and purse seine fleets fishing and discarding practices
- K:20 *Sara-Jane Moore, Colm Lordan, Richard Briggs, and Pieter-Jan Schon:* Does discarding sustain the Irish Sea *Nephrops* fishery?
- K:21 Withdrawn
- K:22 *Mikio Moriyasu, Marcel Hebert, and Elmer Wade:* Protection of postmolt male snow crab (*Chionoecetes opilio*) in the southwestern Gulf of St. Lawrence: Strategy to avoid discarding mortality of future recruitment to the fishery
- K:23 Poster *Isabel González Herraiz, J. Ruiz, and M. Santurtun:* Difficulties on applying the requirements of Commission Regulation (EC) No 1639/2001 in the estimation of discards from Basque Country trawl fleets

K:24 Poster	Marie-Joëlle Rochet, Michel Bertignac, Spyros Fifas, Olivier Gaudou, and Catherine Talidec: Estimating discards in the Nephrops norvegicus French trawl fishery of the Bay of Biscay (VIIIab)
K:25 Poster	Jon Ruiz, González Herraiz, M. Santurtun, and I. Quincoces: Long-term benefits of a simple technical measure (mesh size): Case study of Pair trawls in the Bay of Biscay (VIIIabd), another reason for accomplishing regulation
K:26 Poster	<i>Céline D'Hardivillé, F. Morandeau, M. Meillat, and P. Larnaud:</i> The progressive improvement of the selectivity of french bottom trawls for Nephrops (<i>Nephrops norvegicus</i>) and Hake (<i>Merluccius merluccius</i>) in the Bay of Biscay (VIIIab)
K:27 Poster	Alain Tétard, O. Gaudou, P. Lespagnol, Y. Morizur, I. Peronnet, MJ. Rochet, and J. Vigneau: The French experience in sampling discards at sea in the European waters
K:28 Poster	<i>Céline D'Hardivillé, Stéphanie Tachoires, and Anthony Ollitraut:</i> Investigating the factors which influence the <i>Nephrops</i> fleet discards of the Bay of Biscay and control measures to improve fishing practices and encourage a decrease of by-catch
K:29 Poster	Filipa Baeta, Marisa Batista, Anabela Maia, and Henrique Cabral: Elasmobranch bycatch in trammel nets fisheries in the Portuguese coast
K:30 Poster	Isabel Bruno, Izaskun Preciado, Nélida Pérez, Fran Velasco, Ignacio Olaso, Hortensia Araujo, and José Luis Gutiérrez-Zabala: Correlations between blue whiting, horse mackerel and European hake and silver-pout in discards trips and in European hake diet in ICES Division VIIIc
K:31	Withdrawn
K:32 Poster	Marisa Batista and Henrique Cabral: Catches of target species and bycatches of the trammel net soles fishery in the west coast of Portugal
K:33 Poster	Jorge M. S. Goncalves, P. Monteiro, R. Coelho, J. Ribeiro, P. G. Lino, L. Bentes, and K. Erzini:

Theme Session L

Discarding practices in a coastal trammel net fishery

Marine mammals, seabirds, and fisheries: ecosystem effects and advice provision

- L:01 *Vasiliki Karpouzi, R. Watson, and D. Pauly:* Modelling and mapping resource overlap between seabirds and marine fisheries on a global scale
- L:02 Daniel E. Duplisea and Mike Hammill: An approach to modelling the influence of harp seal (*Phoca groenlandica*) predation on decline and recovery of the Northern Gulf of St. Lawrence cod (*Gadus morhua*)
- L:03 Jan Haelters, Thierry Jauniaux, Francis Kerckhof, José Ozer, and Serge Scory: Using models to investigate a harbour porpoise bycatch problem in the southern North Sea eastern Channel in spring 2005
- L:04 *P. S. Hammond and K. Macleod:* Abundance of harbour porpoise and other small cetaceans in European Atlantic continental shelf waters
- L:05 A. D. Buren, M. Koen-Alonso, W. A. Montevecchi, J. T. Anderson, B. deYoung, and G. K. Davoren: Modeling trophic interactions between parental common murres and capelin off the northeast Newfoundland coast
- L:06 Arliss J. Winship, Per Berggren, and Philip S. Hammond: Management procedure for determining appropriate limits to the bycatch of small cetaceans in the European Atlantic and North Sea
- L:07 A. Gilles, K. Kaschner, R. Mundry, M. Scheidat, and U. Siebert: Spatial and seasonal distribution patterns of harbour porpoises in the German Bight of the North Sea which abiotic factors influence the distribution?
- L:08 *Ulf Lindstrøm, Kjell T. Nilssen, and Tore Haug:* Prey consumption by Barents Sea harp seals in the period 1990–2005

L:09	A. S. (Bram) Couperus, Cindy J. G. van Damme, and Huygen van Steen: Finding the cause of bycatch of Atlantic white-sided dolphins (Lagenorhynchus acutus) by pelagic trawlers: following the biological approach
L:10	Withdrawn
L:11	Withdrawn
L:12	Santiagio Lens: Marine turtles observations in different Spanish fisheries (1993-2005)
L:13	Sinéad Murphy, S. P. Northridge, P. D. Jepson, R. Deaville, R. J. Reid, E. Rogan, M. Silva, M. Sequeira, R. Lago Garza, and A. López: Pregnancy rate in the short-beaked common dolphin Delphinus delphis in the North-east Atlantic
L:14	K. Ampela and A. Ferland: Grey seal (Halichoerus grypus) diet composition in Nantucket Sound, U.S., inferred from fecal remains
L:15	<i>Philipp Schwemmer, N. Markones, and S. Garthe:</i> Fishing activity in the German Bight (SE North Sea) and its influence on distribution and habitat use of <i>Larus</i> gulls
L:16	Stefan Garthe: Spatial patterns and temporal trends in discard use by seabirds in the North Sea and Baltic Sea
L:17	<i>Søren Anker Pedersen and Christian Pusch:</i> Integrating scientific studies and monitoring results into advice in the German EEZ
L:18 Poster	T. Jauniaux, C. Brenez, J. Haelters, T. Jacques, J. Oser, S. Scory, and F. Coignoul: Stranding of a humpback whale (Megaptera novaeangliae) on the Belgian coast
L:19 Poster	<i>Esther Abad, X. Valeiras, A. Serrano, F. Sánchez, I. Preciado, and I. Olaso:</i> Influence of fisheries discards and environmental variables on seabirds in northern Spanish waters (Cantabrian Sea)

Theme Session M

Environmental and fisheries data management, access, and integration

- M:01 Poster Teunis Jansen and Henrik Degel: FishFrame Estimation of discard using FishFrame 4.2
- M:02 *Henrik Degel and Teunis Jansen*: FishFrame: Fisheries and stock assessment data framework
- M:03 Poster Julio Martínez Portela, M. Sacau, X. Cardoso, A. Gago, and J. Rodríguez: Preliminary results of an experimental fishing targeting Dissostichus eleginoides in the southwest Atlantic by means of new designed pots
- M:04 Poster Andrey Pedchenko, V. Guzenko, and A. Karsakov: Distribution and migration of cod in the Spitsbergen area in dependence on oceanographic conditions
- M:05 *Fergal Nolan:* Confidentiality of fisheries data in the context of enforcement activities versus research
- M:06 *Taco de Bruin:* NODC-i National infrastructure for access to oceanographic and marine data and information in the Netherlands
- M:07 Withdrawn
- M:08 Withdrawn
- M:09 Withdrawn
- M:10 *Lena Inger Larsen and Henrik Sparholt:* Measuring uncertainty in trawl surveys: implementation in DATRAS
- M:11
 A. Carpentier, C. S. Martin, B. Ernande, P. D. Eastwood, S. Mackinson, S. Vaz, F. Coppin, P. Koubbi, G. J. Meaden, N. Desroy, J.-C. Dauvin, J.-M. Dewarumez, A. Lefebvre, J. Morin, J.-P. Delpech, P. R. Just, R. J. Smith, Y. Ota, and S. Harrop: Eastern Channel Habitat Atlas for Marine Resource Management (CHARM) From a descriptive approach (phase I) to a process-oriented approach (phase II)
- M:12 Julie Gillin: ICES Data Strategy, systems and services

M:13	<i>Marek Ostrowski:</i> An object-based approach to integration of software to support management and reporting of marine ecosystem survey data
M:14 Poster	<i>Iyob Tsehaye and Leo A. J. Nagelkerke:</i> The effect of individual species variability on the use of the total catch as an indicator of trends in a multispecies fisheries in the Red Sea
M:15	Roy Lowry, Luis Bermudez, and John Graybeal: Semantic interoperability: a goal for marine data management
M:16	Hans Mose Jensen, Julie Gillin, Jacqueline Jones, and Patrick Roose: Overcoming obstacles to data integration: a case history
M:17	P. D. Cotton: The UK marine data and information partnership
M:18	A. Nikouline, E. Tel, M. J. González, and M. J. García: Use of public domain tools for Internet access of oceanographic data at IEO
M:19	Withdrawn
M:20	Christophe Tufféry and Stéphanie Mahevas: Fisheries data quality management: toward quality indicators
M:21 Poster	Martina Hennessy, Christopher Allsop, and Ciarán Kelly: A multi-faceted approach to data integration in the Marine Institute
M:22	Gerry Sullivan, Denis Tremblay, and Denis Madore: Fisheries data management, access, integration and sharing – the Canadian Approach
M:23	K. De Cauwer, M. Devolder, S. Jans, A. Meerhaeghe, and S. Scory: IDOD: an integrated marine environmental database
M:24	Withdrawn
M:25 Poster	Célia Teixeira and Henrique Cabral: Flatfish fisheries in the Portuguese coast
M:26	A. Meerhaeghe, K. De Cauwer, M. Devolder, S. Jans, and S. Scory: Revealing species communities in a spatial and temporal overlap
M:27	<i>Tiffany C. Vance, Bernard A. Megrey, and Christopher W. Moore:</i> GeoModeler – Integration of a nutrient-phytoplankton-zooplankton (NPZ) model and an individual-based model (IBM) with a geographic information system (GIS)
M:28	Vardis M. Tsontos, D. A. Kiefer, and P. A. Livingston: A web-based fisheries oceanographic information system for the Gulf of Alaska
M:29	Henrik Kjems-Nielsen, Lena Larsen, Maria Zarecki, Teunis Jansen, Brian Cowan, Peter Sandbeck, Mads Dueholm, and Ole Skov: InterCatch – a tool for fish stock assessment, status and methods
M:30	K. Deneudt and E. Vanden Berghe: Integrating environmental data from heterogeneous sources: dangers and pitfalls
M:31	Marieke Eleveld, Alfred Wagtendonk, Reinhold Pasterkamp, and Nils de Reus: WATeRS: A Web Map Service with near-real time MODIS standard chlorophyll products of the North Sea
M:32	Withdrawn
M:33	Hein Rune Skjoldal and Martin Holt: NORSEPP quarterly update reports on North Sea conditions – Operational Oceanography and fish stocks
M:34	Dick M. A. Schaap and Catherine Maillard: Sea-Search – SeaDataNet: development of a common data index based upon ISO19115
M:35 Poster	Martin Hansson and Lotta Fyrberg: Satellite monitoring of Cyanobacterial Blooms in the Baltic Sea
M:36 Poster	Jan Szaron and Lotta Fyrberg: SeaDataNet Pan-European infrastructure for ocean and marine data management
M:37 Poster	Henk Heessen, Niels Daan, Paul Eastwood, Jim R. Ellis, Neil Fletcher, Remment ter Hofstede, Colin Kirk, Lena Larsen, and Henrik Sparholt: ICES-FishMap, an electronic atlas of North Sea fish

M:38 Poster	<i>Remment ter Hofstede and Niels Daan:</i> Green light needed for quality check DATRAS; examples from the North Sea IBTS
M:39 Poster	Michele Fichaut, A. M. Jégou, T. Carval, L. Delauney, J. F. Le Roux, E. Moussat, and J. F. Piollé: Data Centre for Coastal Operational Oceanography
M:40 Poster	<i>Robert C. Groman, P. H. Wiebe, M. D. Allison, and G. Heimerdinger:</i> Adding interoperability features to the U.S. JGOFS/U.S. GLOBEC data management system
M:41 Poster	Taco de Bruin: Differences in CTD operations: significant differences in the resulting data?
M:42 Poster	Jonas F. Henriksen and Nina Nordlund: SONATE – SONAr effecTs on marinE life – Aiding naval officers in planning safe operation of active sonar
M:43 Poster	Jan R. Andersen, Karen Gjertsen, Helge Sagen, and Øivind Østensen: Coastal monitoring on the Internet
M:44 Poster	Kareen Bröker and Jonas F. Henriksen: Mareano WEB – GIS internet portal for marine data in Norwegian waters
M:45 Poster	Ana Rita Vieira, I. Farias, L. Serrano Gordo, I. Figueiredo, P. Bordalo-Machado, T. Moura, A. Neves, and B. Serra-Pereira: Can otolith shape analysis and age estimation be helpful for fisheries management of black scabbardfish, <i>Aphanopus carbo</i> , in Portuguese waters?
M:46 Poster	<i>Marisa Batista and Henrique Cabral:</i> Resource exploitation patterns of the flatfish fishery in the west coast of Portugal
M:47 Poster	Edward Vanden Berghe: The European Register of Marine Species: tool for data integration
M:48 Poster	K. Deneudt and E. Vanden Berghe: The VLIZ Maritime Boundaries Geodatabase as a biogeographical tool
M:49 Poster	Julie Gillin and Mike Drew: ICES Data User Survey
M:50 Poster	<i>Hilde van Pelt:</i> Development of a genetic catalogue, biological reference collections and online database of European marine fishes (FishTrace)
M:51	<i>Tim Pauly, Greg Lee, John Gorbett, and Matthew Wilson</i> : 4-D environmental data visualization and analysis. What we have learned from the unique challenges in working with complex temporal and spatial (4-dimensional) data derived from modern fisheries sonar systems

Theme Session N

Technologies for monitoring fishing activities and observing catch

N:01	Amos Barkai: OLRAC: Paperless solution for the collection, storage, analysis and reporting of commercial fishing data
N:02	G. Lemoine, I. Shepherd, N. Kourti, H. van Wimersma Greidanus, C. Cesena, and F. Thoorens: Evaluation of vessel detection system use for monitoring of fisheries activities
N:03	<i>Cato Svellingen, Bjørn Totland, Darren White, and Jan Tore Øvredal:</i> Automatic species recognition, length measurement and weight determination, using the CatchMeter computer vision system
N:04	Denis Tremblay and Gerry Sullivan: Technologies for monitoring fishing activities and observing catch in Canada
N:05	K. H. Nedreaas, A. Borge, H. Godøy, and S. Aanes: The Norwegian reference fleet: co- operation between fishermen and scientists for multiple objectives
N:06	Are Salthaug: Can trawling effort be identified from satellite-based VMS data?
N:07	Are Salthaug and Tore Johannessen: The Norwegian in-year monitoring fishery for sandeel in the North Sea using satellite-based VMS data and landings information
N:08	Withdrawn

N:09	T. Loomis, William A. Karp, J. Gauvin, C. Colway, J. Watson, T. Meintz, and G. Williams: An innovative approach to sampling catch in the North Pacific groundfish fisheries
N:10	G. Williams, T. Loomis, J. Watson, H. McElderry, J. Gauvin, and T. Meintz: Video monitoring of a trawl catcher processor in the North Pacific: A pilot study to identify requirements for catch monitoring
N:11	Brendan O' Shea and Sylvia Thompson: The innovative application of vessel monitoring systems for the effective fisheries monitoring control and surveillance
N:12	Bob Stanley and Tim Lamb: Integrated electronic onboard observer data collection and reporting system for Australia's Antarctic fisheries
N:13	Withdrawn
N:14	H. I. McElderry: At-sea observing using video-based electronic monitoring
N:15	Leon Smith and Petur Steingrund: Data validation of gross data quantities: a practical approach
N:16 Poster	<i>Christopher Zimmermannd and Jens Ulleweit:</i> An attempt to integrate logbook and VMS information: Spatial distribution of the German pelagic freezer trawler fleet's activity in two years
N:17 Poster	Kristin Helle: Tracking changes in the ling and tusk populations using CPUE estimates from logbook data
N:18	Withdrawn
N:19 Poster	Manuel Afonso-Dias, C. Pinto, and J. M. Simões: GeoCrust 2.0 – a computer application for monitoring the Portuguese Crustacean Trawl fishery using VMS, landings and logbooks data
N:20 Poster	<i>Carlos Pinto, J. M. Simões, and M. Afonso-Dias:</i> GeoPesca – a website for the dissemination of geo-referenced information from the Portuguese crustacean trawl fishery
N:21 Poster	Ivor Humphreys, Conor P. Nolan, Dermot Geraghty, and Alan Reid: A new, intuitive, reliable and low cost electronic fish measuring board
N:22 Poster	Leon Smith and Emil Petersen: Portable scientific catch registration system on a PC-platform

Theme Session O

Spatio-temporal characteristics of fish populations in relation to environmental forcing functions as a component of ecosystem-based assessment: Effects on catchability

O:01 Michael G. Frisk, Steve J. D. Martell, Kathy Sosebee, and Thomas J. Miller: An agestructured model of winter skate abundance in the western Atlantic: sustainability and uncertainty O:02 B. M. Shatokhin, D. N. Klochkov, B. N. Kotenev, and V. M. Borisov: Assessment of the NEA cod (Gadus morhua) stock on the basis of the satellite synoptical monitoring and informational technology O:03 Emma Orlova, A. Dolgov, V. Boitsov, N. Ushakov, and G. Rudneva: Long-term variations in the relationships between the main components of the Barents Sea ecosystem (cod and capelin), ecological and physiological aspects of their interactions S. M. Kasatkina: Spatial distribution characteristics of fishing species in relation to trawl O:04 catchability as an important component in stock assessment and management Mathieu Woillez, P. Petitgas, J. Rivoirard, J.-C. Poulard, P. Fernandes, R. ter Hofstede, K. O:05 Korsbrekke, A. Orlowski, M. T. Spedicato, and C.-Y. Politou: Relationships between population spatial occupation and population dynamics O:06 Sandrine Vaz, S. Pavoine, P. Koubbi, C. Loots, and F. Coppin: Comparative study of habitat modelling strategies to investigate marine fish life cycle: A case study on whiting in the Eastern English Channel

O:07	K. Moumouni, S. Mahévas, P.Bellois, L. Penors, O. Le Pape, and J. F. Holley: Assessment of the influence of some environmental variables on trawl catches using a semiparametric mixed model
O:08	Jennifer L. Miksis-Olds and Kevin D. Stokesbury: An autonomous system for evaluating groundfish populations: the Ocean Groundfish Observatory
O:09	<i>Lise Langard, Leif Nøttestad, Arne Johannessen, Anders Fernö, Jan Tore Øvredal, Rune Vabø, Georg Skaret, and Gro Nilsson:</i> How and why acoustic detectability and catchability of herring change with individual motivation and physiological state in a variable environment: a multi-scale study on a local herring population in south-western Norway
O:10	Withdrawn
0:11	E. W. North, M. Christman, J. H. Vølstad, R. R. Hood, T. F. Gross, L. Zhong, Z. Schlag, D. Lewis, J. Dew, M. Li, J. L. Manuel, R. I. E. Newell, and V. S. Kennedy: Investigating the influence of environmental variability and larval behavior on oyster populations with linked larval transport and fisheries demographic models
O:12	<i>Douglas C. Reese and R. D. Brodeur:</i> Spatial and temporal analysis of nekton community dynamics in a variable environment: changes in the nekton dominance structure associated with persistent biological hotspots
O:13	A. M. Brown, J. M. Bellido, V. Valavanis, and A. Giráldez: Investigating the distribution of small pelagic fish in Spanish Mediterranean waters using environmental modelling and essential fish habitat mapping
O:14	Withdrawn
O:15	Withdrawn
O:16	Withdrawn
O:17	<i>Patrice Brehmer, C. Laurent, A. Achury, F. Gerlotto:</i> School type: a phenotypic result of behavioural response to independent stimuli, as demonstrated by a comparative observation of the schooling behaviour of small pelagic fish
O:18 Poster	<i>Dmitri Vasilyev:</i> Change in catchability caused by year class peculiarities: how stock assessment based on separable cohort models is able to take it into account?
O:19 Poster	B. Guijarro, E. Massutí, J. Moranta, P. Oliver, J. M. Hidalgo, and A. Carbonell: Spatio- temporal population dynamics of Aristeus antennatus in relation to environmental factors in the Balearic Islands (Western Mediterranean sea)
O:20	Withdrawn
O:21 Poster	Igor Studenov: Monitoring of the Atlantic salmon smolt's migration in a large river system

Theme Session P

Integrated assessments in support of regional seas ecosystem advice - beyond quality status reporting

P:01	Georgi M. Daskalov and Stephen Mackinson: Abundance and trophic interactions in North Sea fish
P:02	Niels Daan: What is a "large fish"? - taking a species perspective
P:03	Christian Möllmann, B. Müller-Karulis, R. Diekmann, J. Flinkman, G. Kornilovs, E. Lysiak-Pastuszak, J. Modin, M. Plikshs, Y. Walther, and N. Wasmund: An integrated ecosystem assessment of the Central Baltic Sea and the Gulf of Riga
P:04	<i>Doug Beare et al.</i> : Building multi-discipline, multivariate databases for use in integrated assessments: experiences and recommendations
P:05	D. K. Mills, M. Devlin, C. Kirk, and S. J. Malcolm: Towards improved monitoring and assessment of marine eutrophication
P:06	<i>P. Larcombe et al.</i> : Marine environmental change over decades to millennia – an evaluation of 'proxy parameters' and their potential use in understanding the state of the marine ecosystem

P:07	E Garnacho and P. Kershaw: Integrated assessment of chemical pollution pressures and state changes
P:08	A. J. Kenny, P. J. Kershaw, and D. Beare: Integrated assessment – The REGNS experiment – lessons learnt
P:09	Andrew Kenny et al.: Integrated assessment of the North Sea to identify the relationships between human pressures and ecosystem state changes – implications for marine management
P:10	<i>Michael Langston et al.</i> : Combinatorial algorithms and high performance implementations for elucidating complex ecosystem relationships from North Sea historical data
P:11 Poster	<i>Esther Abad, J. M. Bellido, A. Punzón, V. Trujillo, and P. Abaunza:</i> What can we learn after the Prestige oil spill? Recommendations for fisheries management at level of regional seas ecosystems
P:12 Poster	<i>E. Cruz and P. Walker:</i> The North Sea as a case study for a regional implementation of Integrated assessment with an ecosystem approach – how to communicate the data successfully

Theme Session Q

Use of data storage tags to reveal aspects of fish behaviour important for fisheries management

Q:01	Rodney Alan Rountree, Joachim Paul Gröger, and David Martins: Extraction of daily
	activity pattern and vertical migration behavior from the benthic fish, Lophius americanus,
	based on depth analysis from data storage tags

- Q:02 Craig Mills, D. Righton, H.-H. Hinrichsen, S. Neuenfeldt, and K. Andersen: Habitat occupation of cod in the eastern Baltic: non-random selection in a dynamic environment
- Q:03 *Julian Metcalfe, D. A. Righton, and E. Hunter:* Designing fish-tagging programmes to understand fish movements and population dynamics
- Q:04 *David Righton:* "All men have need of the cods (sic)" (Homer, the Odyssey) or "An overview of the results of the EU-CODYSSEY project"
- Q:05 *Ken H. Andersen, A. Nielsen, U. H. Thygesen, and H.-H. Hinrichsen:* Geolocation of tagged Baltic Cod using the particle filter
- Q:06 *H. Svedäng, D. Righton, and P. Jonsson:* Return migrations of Atlantic cod (*Gadus morhua* L.) to the North Sea evidenced by archival tagging of cod off the eastern Skagerrak coast
- Q:07 *Kathrine Michalsen, Torild Johansen, and Edda Johannesen:* Linking tagging technology with molecular genetics to gain insight in the spatial dynamics of two stocks of cod in Northeast Atlantic waters

Q:08 Withdrawn

- Q:09 Boonchai Stensholt, Åge Høines, and Yoshie Kasajima: Fish migration in oscillating stratified water masses
- Q:10 *Vilhjálmur Thorsteinsson and Kristinn Sæmundsson*: Vertical distribution and variable mortality rates of adult cod (*Gadus morhua*) in Icelandic waters
- Q:11 Withdrawn
- Q:12 *Marianne Holm, Jan A. Jacobsen, Johannes Sturlaugsson, and J. C. Holst:* Behaviour of Atlantic salmon (*Salmo salar* L.) recorded by data storage tags in the NE Atlantic implications for interception by pelagic trawls
- Q:13 Jeroen van der Kooij, David Righton, Kathrine Michalsen, Vilhjalmur Thorsteinsson, Henrik Svedang, and Francis Neat: Observations of cod behaviour reveal insights into the function and properties of the swimbladder under pressure
- Q:14 Steven X. Cadrin and Joshua Moser: Partitioning on-bottom and off-bottom behavior: a case study with yellowtail flounder off New England
- Q:15 Withdrawn

Q:16	Conrad W. Recksiek, G. Fischer, H. T. Rossby, S. X. Cadrin, and P. Kasturi: Development and application of 'FRAFOS' tags for studying fish movement
Q:17	Frank J. O'Brien, M. L. Domeier, C. H. Lam, and V. M. Tsontos: Description and validation of an improved algorithm for automated archival tag geolocational estimation based on the matching of satellite SST and in-situ temperature data: application to striped marlin (<i>Tetrapturus audax</i>) in the North Pacific
Q:18	<i>David W. Sims and Julian D. Metcalfe:</i> Understanding the behavioural rules of free-ranging marine vertebrates from analysis of electronic tagging data: the Eutopia project
Q:19 Poster	<i>Daniel G. Nichol, T. Honkalehto, G. G. Thompson, and D. A. Somerton:</i> The proximity of Pacific cod to the sea floor: An investigation into the availability of Pacific cod to survey bottom trawl gear
Q:20 Poster	Sigurdur Thor Jonsson and Hlynur Armannsson: Vertical migrations of saithe (Pollachius virens) in Icelandic waters: diel and seasonal differences, extent and duration of directed runs
Q:21 Poster	<i>Hlynur Armannsson, Sigurdur Th. Jonsson, Gudrun Marteinsdottir, and John D. Neilson:</i> New and conventional mark-recapture techniques combined to provide comprehensive information on the habitat preferences and migration of saithe/pollock (<i>Pollachius virens</i>) in Icelandic waters
Q:22 Poster	<i>Ole Thomas Albert and Tone Vollen:</i> Use of pitch and roll DST to distinguish between pelagic and along-the-bottom vertical migrations of Greenland halibut

Theme Session R

ICES advice in a changing world!

- R:01 *Cornelius Hammer and Christian von Dorrien*: Understanding the mechanisms of stock recovery EU Project UNCOVER will develop recovery strategies
- R:02 Jake Rice: The global marine biodiversity agenda, fisheries science, and ICES advice
- R:03 *Jake Rice and Stuart Rogers:* ICES Advice and the ecosystem approach how are we actually doing?
- R:04 *Oleg V. Titov, V. K. Ozhigin, E. V. Gusev, and V. A. Ivshin:* Theory on functioning of the Barents Sea ecosystem: fishery and oceanographic aspects
- R:05 *Mark Dickey-Collas, Dankert Skagen, and John Simmonds:* Harvest control rules and changing productivity: the working example of North Sea herring.
- R:06 Withdrawn
- R:07 Lisette Enserink: Links between OSPAR and ICES
- R:08 *R.*. *Aps, L. Kell, H. Lassen, and I. Liiv:* ICES scientific advice as a basis for negotiating the fisheries management decisions
- R:09 *Niels Daan and Adriaan D. Rijnsdorp:* Effort management for mixed fisheries in EU waters: a viable alternative for failing TAC management?
- R:10 *Sigrid Lehuta, P. Petitgas, and S. Mahévas:* Assessing the potential effect of management scenarios for anchovy fishery of the Bay of Biscay using ISIS-Fish simulation tool
- R:11 Brian J. Rothschild: Environmental fisheries interactions in management advice
- R:12 Anne Christine Brusendorff and Juha-Markku Leppänen: From technical and scientific advice to integrated assessments evolution of co-operation between HELCOM and ICES
- R:13 *A. P. Oost and Paddy Walker:* Other fish to fry, or how to reach sustainable fishery in the North Sea during a period of climate change?
- R:14 Laurence Thomas Kell and Jean-Marc Fromentin: Managing without prediction
- R:15 Poster *Kevin D. E. Stokesbury, Bradley P. Harris, Michael C. Marino II, and Jacob I. Nogueira:* Sea scallop, *Placopecten magellanicus*, mass mortality in the Nantucket Lightship marine protected area of Georges Bank