Contributions to the 2001 Annual Science Conference

Gen	General Assembly Reports and Papers of General Interest	20
Del	Delegates Meetings	20
Fi	Finance Committee	21
Pub	Publications Committee	21
Α	Consultative Committee	21
В	Fisheries Technology Committee	22
C	Oceanography Committee	22
D	Resource Management Committee	23
E	Marine Habitat Committee	23
F	Mariculture Committee	24
G	Living Resources Committee	24
Н	Baltic Committee	24
	M Advisory Committee on Fishery Management ssment Working Group Reports	. 25
	E Advisory Committee on the Marine Environment comment-related Working Group Reports	. 26
Them	ne Sessions	
J	The Life History, Dynamics, and Exploitation of Living Marine Resources: Advances in Knowledge and Methodology	. 27
K	The Response of Cephalopod Populations and Fisheries to Changing Environment and Ecosystems	. 30
L	The Stock Structure of Atlantic Cod: State of the Art	. 33
M	Developing Salmon Conservation Limits – Recent Progress and Reviews	. 34
N	Case Studies in the Systems Analysis of Fisheries Management	. 35
O	Application of Mark-Recapture Experiments to Stock Assessment	. 36
P	Quality and Precision of Basic Data Underlying Fish Stock Assessment and Implications for Fisheries Management Advice	. 37
Q	Catchability and Abundance Indicators – the Influence of Environment and Fish Behaviour	. 39
R	What Information Does Ecosystem Management Need from Ecologists and Gear Technologists to Assess Ecosystem Effects of Fishing and Implement Policies	. 41
S	Eutrophication, For Better or For Worse: Can it be Controlled?	. 41
T	Use and Information Content of Ecosystem Metrics and Reference Points	. 42
U	Ecosystem Change in the Baltic	. 43
V	Growth and Condition in Gadoid Stocks and Implications for Sustainable Management	. 44
W	Transport Processes in the North Atlantic	. 46
Y	Sustainable Development and Conservation of Natural Resources of the Coastal Zone	. 48

GENERAL ASSEMBLY REPORTS AND PAPERS OF GENERAL INTEREST

Gen:1	Observers' Reports from Cooperating Organisations	
Gen:2	ICES Activities in 2000/2001	
Gen:3	Elections and Appointments of Council Officials at 2001 Annual Science Conference (89th Statutory Meeting) (E+F)	
Gen:4	Report on ICES Symposia	
Gen:5	2000/2001 Overview of ICES Committees and Subsidiary Groups and their Shadowing by Secretariat Staff, and Schedule of ICES Meetings and List of CM Codes	

DELEGATES MEETING

Del:1	Final Accounts for Financial Year 1999/2000	
Del:2	Progress Report on Administration	
Del:3	Plans for Improved Accommodation at ICES Headquarters	
Del:4	Status Report of Accounts as of 15 September 2001	
Del:5	Draft Budget for 2002 and Draft Forecast Budget for 2003	
Del:6	Report on Planning and Funding for the ICES Centenary	
Del:7	Changes in Rules of Procedure	
Del:8	ICES Strategic Plan	
Del:9	ACFM, ACME and ACE Matters, including ACFM Embargo	
Del:10	Report on the History Book Project	
Del:11	Draft Copenhagen Declaration	
Del:12	Report of the Bureau Working Group on International Programmes	
Del:13	Report on 2001 Meeting of ICES/Commissions Working Group on Cooperative Procedures	
Del:14	Arrangements for Future Annual Science Conferences and Statutory Meeting: 2002 (Denmark; ICES Centenary), 2003 (Estonia), 2004 (Spain)	
Del:15	Activity Report on the GEF Baltic Sea Regional Project	
Del:16	Report of Management Committee on Advisory Process (MCAP)	
Del:17	Report of ICES/GLOBEC Steering Group	
Del:18	Social Events	
Del:19	Application by Peru for Scientific Observership	
A:5	Reports and Recommendations of Consultative Committee	
Gen:3	Elections and Appointments at the 89th Statutory Meeting	

FINANCE COMMITTEE

Fi:1* Agenda for Finance Committee

* For Finance Committee and Delegates only

PUBLICATIONS COMMITTEE

Pub:1	Agenda for Publications Committee	
Pub:2	Report of Publications Committee (2000)	
Pub:3	Publications Policy and the Publications Committee	
Pub:4	Review of ICES Publication Activities for 2001	
Pub:5	ICES Journal of Marine Science: Editors' Report for 2001, with Appendix	
Pub:6	ICES Journal of Marine Science: Academic Press Publisher's Report for 2001, with two Appendices	
Pub:7	ICES Cooperative Research Report series: Editor's Report for 2001	
Pub:8	ICES Identification Leaflets for Plankton: Editor's Report for 2001	
Pub:9	ICES Identification Leaflets for Diseases and Parasites of Fish and Shellfish: Editor's Report for 2001	
Pub:10	ICES Techniques in Marine Environmental Sciences: Editor's Report for 2001	

CONSULTATIVE COMMITTEE

A:01	Consultative Committee
A:02	Minutes from ACFM Meeting October 2000
A:03	Minutes from ACFM Meeting May 2001
A:04	Minutes from ACME Meeting May 2001
A:05	Report of Mid-Term Consultative Committee June 2001
A:06	Minutes from ACE Meeting August 2001

REFERENCE PAPERS: D:09, G:03

res

FISHERIES TECHNOLOGY COMMITTEE (B)

B:01	Study Group on Mesh Measurements Methodology (SGMESH)	
B:02 Ref. H	Study Group on Target Strength Estimation in the Baltic Sea (SGTSEB)	
B:03	Planning Group on the HAC Data Exchange Format (PGHAC)	
B:04	Joint Working Group on Fishing Technology and Fish Behaviour (WGFTFB) and Working Group on Fisheries Acoustics Science and Technology (WGFAST)	
B:05 Ref. ACFM	Working Group on Fishing Technology and Fishing Behaviour (WGFTFB)	
B:06	Working Group on Fisheries Acoustics Science and Technology (WGFAST)	

REFERENCE PAPERS: C:01, G:10

OCEANOGRAPHY COMMITTEE (C)

C:01 Ref. B, D, E, F, G, H	ICES-IOC Steering Group on GOOS (SGGOOS)	
C:02 Ref. D	Study Group on Incorporation of Process Information into Stock Recruitment Models (SGPRISM)	
C:03	Study Group on Modelling of Physical/Biological Interaction (SGMPI)	
C:04 Ref. ACME	ICES/IOC Working Group on Harmful Algal Bloom Dynamics (WGHABD)	
C:05 Ref. E, F, and ACME, ACE	Working Group on Seabird Ecology (WGSE)	
C:06 Ref. ACME	Working Group on Oceanic Hydrography (WGOH)	
C:07 Ref. ACME	Working Group on Zooplankton Ecology (WGZE)	
C:08 Ref. ACME	Working Group on Phytoplankton Ecology (WGPE)	
C:09 Ref. ACME	Working Group on Marine Data Management (WGMDM)	
C:10 Ref. G	Working Group on Recruitment Processes (WGRP)	
C:11 Ref. ACME	Study Group on an ICES/IOC Microplankton Protist List (SGPHYT)	
C:12 Ref. ACME	ICES/GLOBEC Working Group on Cod and Climate Change (WGCCC)	
C:13	Steering Group for the ICES/GLOBEC North Atlantic Programme (SGNARO)	
C:14	Executive Summaries of Reports	

REFERENCE PAPERS: E:02, H:03, ACME:03, ACME:04, ACME:05

RESOURCE MANAGEMENT COMMITTEE (D)

D:01	Workshop on Synthesis of Surveys on Pelagic Fish in Norwegian Sea and Adjacent Areas (WKSSPF)	
D:02	Workshop on International Analysis of Market Sampling and the Evaluation of Raising Procedures and Data-Storage (software) (WKIMS)	
D:03	Study Group to Evaluate the Effects of Multispecies Interactions (SGEEMI)	
D:04 Ref. ACFM	Planning Group on Redfish Stocks (PGRS)	
D:05 Ref. ACFM	International Bottom Trawl Survey Working Group (IBTSWG)	
D:06 Ref. ACFM	Working Group on Fishery Systems (WGFS)	
D:07 Ref. ACFM, ACME	Working Group on Surveys on Pelagic Fish in the Norwegian Sea (WGSPFN)	
D:08 Ref. ACFM, G	Working Group on Methods on Fish Stock Assessments (WGMG)	
D:9 Ref. A, ACFM	Steering Group on Courses in Fish Stock Assessment Techniques (SGCFAT)	
D:10 Ref. ACFM	Workshop on FLEKSIBEST (WKFLEK)	

REFERENCE PAPERS: C:01, G:02, G:08, H:02, ACFM:09, ACFM:11, ACFM:13, ACFM:21,

MARINE HABITAT COMMITTEE (E)

E:01 Ref. ACME	Steering Group for a Sea-Going Workshop on Pelagic Biological Effects Methods (SGSEA)	
E:02 Ref. ACME, C	Marine Chemistry Working Group (MCWG)	
E:03 Ref. ACME	Working Group on Biological Effects of Contaminants (WGBEC)	
E:04 Ref. ACME	Working Group on Marine Sediments in Relation to Pollution (WGMS)	
E:05 Ref. ACME	Working Group on Statistical Aspects of Environmental Monitoring (WGSAEM)	
E:06 Ref. ACME	Working Group on the Effects of Extraction of Marine Sediments on the Marine Ecosystem (WGEXT)	
E:07 Ref. ACME, ACE	Working Group on Marine Habitat Mapping (WGMHM)	
E:08 Ref. ACME	Benthos Ecology Working Group (BEWG)	
E 09 Ref. ACME, ACE	Study Group on Ecosystem Assessment and Monitoring (SGEAM)	

REFERENCE PAPERS: C:01, C:05, F:01, F:02, G:04, G:06, ACME:02, ACME:03, ACME:04, ACME:05, ACME:07, ACME:08, ACME:09

MARICULTURE COMMITTEE (F)

F:01 Working Group on Environmental Interactions of Mariculture (WGEIM)

Ref. ACME, E

F:02 Working Group on Pathology and Diseases of Marine Organisms (WGPDMO)

Ref. ACME, E

F:03 Working Group on the Application of Genetics in Fisheries and Mariculture

Ref. ACME (WGAGFM)

F:04 Working Group on Marine Fish Culture (WGMAFC)

REFERENCE PAPERS: C:01, C:05, ACME:07, ACME:08

LIVING RESOURCES COMMITTEE (G)

G:01 Workshop on Identification and Staging of Mackerel and Horse Mackerel Eggs

(WKMHME)

G:02 Ref. D Planning Group for Herring Surveys (PGHERS)

G:03 Ref. A, Planning Group on Comparing the Structure of Marine Ecosystems in the ICES

ACFM area (PGECML)

G:04 Ref. E Study Group on the Biology and Life History of Crabs (SGCRAB)

G:05 Ref. Working Group on Cephalopod Fisheries and Life History (WGCEPH)

ACFM, ACME

G:06 Ref. Working Group on Beam Trawl Surveys (WGBEAM)

ACFM, E

G:07 Ref. Study Group on Elasmobranch Fishes (SGEF)

ACFM

G:08 Ref. D Working Group on Mackerel and Horse Mackerel Egg Survey (WGMEGS)

G:09 Stock Identification Methods Working Group (SIMWG)

G:10 Ref. Working Group on *Crangon* Fisheries and Life History (WGCRAN)

ACFM, B

REFERENCE: C:01, C:10, D:08, ACMF:13, ACFM:21, ACME:09

BALTIC COMMITTEE (H)

H:01 Baltic Herring Age-Reading Study Group (BHARSG)

H:02 Ref. D Baltic International Fish Survey Working Group (WGBIFS)

H:03 Ref. Study Group on GEOHAB Implementation in the Baltic (SGGIB)

ACME, C

H:04 Study Group on Multispecies Predictions in the Baltic (SGMPB)

H:05 Study Group of Baltic Cod Age Reading (SGBCAR)

REFERENCE PAPERS: B:02, C:01, ACM3:03, ACME:04

ACFM

ACFM:01	Working Group on the Assessment of Northern Shelf Demersal Stocks (WGNSDS)
ACFM:02	Arctic Fisheries Working Group (AFWG)
ACFM:03	EIFAC/ICES Working Group on Eels (WGEEL)
ACFM:04	Pandalus Assessment Working Group (WGPAND)
ACFM:05	Working Group on the Assessment of Southern Shelf Demersal Stocks (WGSSDS)
ACFM:06	Working Group on the Assessment of Mackerel, Horse Mackerel, Sardine, and Anchovy (WGMHSA)
ACFM:07	Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak (WGNSSK)
ACFM:08	Joint ICES/NAFO Working Group on Harp and Hooded Seals
ACFM:09	Cancelled
ACFM:10	Study Group on Herring Assessment Units in the Baltic Sea (SGHAUB)
ACFM:11 Ref. D	Study Group on Precautionary Approach (SGPA)
ACFM:12	Herring Assessment Working Group for the Area South of 62°N (HAWG)
ACFM:13 Ref. D, G	Study Group on Discard and By-Catch Information (SGDBI)
ACFM:14	Baltic Salmon and Trout Assessment Working Group (WGBAST)
ACFM:15	Working Group on North Atlantic Salmon (WGNAS)
ACFM:16	Working Group on Nephrops Stocks (WGNEPH)
ACFM:17	Northern Pelagic and Blue Whiting Fisheries Working Group (WGNPBW)
ACFM:18	Baltic Fisheries Assessment Working Group (WGBFAS)
ACFM:19	Arctic Fisheries Working Group (AFWG)
ACFM:20	North-Western Working Group (NWWG)
ACFM:21 Ref. D, G	Joint ICES/NAFO Working Group on Harp and Hooded Seals (WGHARP)
ACFM:22	Study Group on the Evaluation of Current Assessment Procedures for North Sea Herring (SGEHAP)
ACFM:23	Working Group on the Biology and Assessment of Deep-Sea Fisheries Resources (WGDEEP)
ACFM:24	Study Group on Baltic Herring and Sprat Maturity (SGBHSM)
ACFM:25	Study Group on Sea Bass (SGBASS)

REFERENCE PAPERS: B:05, D:04, D:05, D:06, D:07, D:08, D:09, D:10, G:05, G:06, G:07, G:10, ACME:09

ACME

ACME:01 Ref. ACE, ACFM	Planning Group for the Ecological Quality Objective Requests (PGEQO)
ACME:02 Ref. ACE, E	Workshop on Deep-Seabed Survey Technologies (WKDSST)
ACME:03 Ref. C, E, H	ICES/HELCOM Steering Group on Quality Assurance of Biological Measurements in the Baltic Sea (SGQAB)
ACME:04 Ref. C, E, H	ICES/HELCOM Steering Group on Quality Assurance of Chemical Measurements in the Baltic Sea (SGQAC)
ACME:05 Ref. C, E	ICES/OSPAR Steering Group on Quality Assurance of Biological Measurements Related to Eutrophication Effects (SGQAE)
ACME:06 Ref. ACE	Planning Group for a Workshop on Ecosystem Models (PGEM)
ACME:07 Ref. E, F	ICES/IOC/IMO Study Group on Ballast and Other Ship Vectors (SGBOSV)
ACME:08 Ref. E, F	Working Group on Introductions and Transfers of Marine Organisms (WGITMO)
ACME:09 Ref. ACE, ACFM, D, E, G	Working Group on Ecosystem Effects of Fishing Activities (WGECO)

REFERENCE PAPERS: C:04, C:05, C:06, C:07, C:08, C:09, C:11, C:12

ACE

ACE:01 Working Group on Marine Mammal Population Dynamics and Habitats (WGMMPH)

REFERENCE PAPERS: C:05, E:07, E:09, ACME:01, ACME:02, ACME:06, ACME:09

THEME SESSION ON THE LIFE HISTORY, DYNAMICS, AND EXPLOITATION OF LIVING MARINE RESOURCES: ADVANCES IN KNOWLEDGE AND METHODOLOGY (J)

Code No.	Authors	Title
J:01	P. Abaunza, S., Mattiucci, G. Nascetti, A. Magoulas, R. Cimmaruta, and L. Bullini	Morphometric and meristic variation in European hake, <i>Merluccius merluccius</i> , from the Northeast Atlantic and Mediterranean Sea
J:02	M.C. Bell, R.C.A. Bannister, P. Walker, P.W. Atkinson, and N.A. Clark	Fisheries and bird predation as components of cockle (Cerastoderma edule) mortality in the Burry Inlet, south Wales
J:03	M.C. Bell and D.W. Palmer	Spatial variation in catch rate and abundance of scallops (<i>Pecten maximus</i>) in the western English Channel
J:04	Deidre Brophy, Bret Danilowicz, and Teresa Jeffries	An investigation of population movements in Atlantic herring using LA-ICPMS analysis of larval and juvenile otoliths
J:05	Nick Caputi	Relationships between some life history stages of the western rock lobster, <i>Panulirus cygnus</i> , fishery in Western Australia
J:06	L.R. Castro, A. Llanos, E. Tarifeño, M. Carmona, and R. Escribano	Latitudinal variations in early life stage parameters of the Peruvian anchovy <i>Engraulis ringens</i> : evidence of interpopulation differences and temperature-dependent effects
J:07 Poster	Pablo Chavance and Didier Gascuel	Abundance and distribution changes of the Cuckoo Ray (Raja naevus) in European waters
J:08	L. Chícharo, M.B.L. Gaspar, D. Vafidis, M.G. Marin, L. da Ros, M. Pellizato, U. Labarta, and MJ. Reiriz	Impact of bivalve fisheries in the Ria Formosa lagoon (Portugal), Venice lagoon (Italy), and Aegean Sea (Kavala-Greece). An integrated overview
J:09 Poster	L. Chícharo, J. Regala, F. Alves, M.B. Gaspar, and A. Chícharo	Changes and recovery of the benthic community of a clam- dredged area off the Algarve coast (South Portugal)
J:10 Poster	L. Chícharo, A. Chícharo, A. Amaral, S. Condinho, and L. Cristovão	Application of RNA/DNA ratios and AEC (Adenylic Energy Charge) to the assessment of fishery-induced stresses to the clam <i>Ruditapes decussatus</i>
J:11	Maurice Clarke, Paul Connolly, Ciarán Kelly, and John Molloy	Differing life history strategies of deepwater fish species: implications for sustainable exploitation
J:12	Robin Cook and R.J. Fryer	A non-parametric approach to investigating fish population dynamics
J:13	Geneviève Desportes, Trine Jepsen, Jakob H. Kristensen, Deborah Benham, Ursula Siebert, Bodil Korsgaard, Jörg Driver, Kirstin Anderson, and Gwyneth Sheppard	Reproduction in harbour porpoises: behaviour and hormones
J:14	Derek Eaton, Julian Addison, Steve Milligan, Juan Brown, and Liam Fernand	Larvae surveys of edible crab (Cancer pagurus) off the east coast of England: implications for stock structure and management

J:15 Poster	Karim Erzini, L. Bentes, P.G. Lino, J. Ribeiro, R. Coelho, P. Monteiro, C. Correia, and J.M.S. Gonçalves	Trammel nets selectivity studies in the Algarve (southern Portugal): II. Size selectivity
J:16	Athanasios K. Exadactylos, Andreas Y. Troumbis, Audrey J. Geffen, and John P. Thorpe	Population structure of the Dover sole, <i>Solea solea</i> L., in the Atlantic using randomly amplified polymorphic DNA (PCR-RAPD) marking
J:17	Withdrawn	
J:18	Kevin Friedland, D. Ama- Abasi, L. Clarke, D. Sigourney, and A. Stein	Automated fecundity and egg sizing for marine species from scanned images: rapid sample processing and large data volumes
J:19	K. Hardardottir, O.S. Kjesbu, and G. Marteinsdottir	Relationship between atresia, fish size and condition in Icelandic cod (Gadus morhua L.)
J:20	Tore Haug, Anne Kirstine H. Fire, Vladimir A. Potelov, and Michael C.S. Kingsley	Trends-in-age at maturity and growth parameters of female Northeast Atlantic harp seals <i>Pagophilus groenlandicus</i>
J:21	Olive Heffernan and Bret Danilowicz	A biochemical study of the spawning localities and timing of commercial fish species in the Irish Sea
J:22	Hóraldur Joensen and Otto Grahl-Nielsen	Discrimination among species and stocks of redfish (Sebastes viviparus, S. marinus, S. viviparus), cod (Gadus morhua), and herring (Clupea harengus) by chemometry of the fatty acid profile in selected tissues
J:23	Pauline Kamermans	Factors affecting recruitment in bivalve molluscs
J:24	M.H.F. Kloppmann, M.C. Bailey, and H.v. Westernhagen	Distribution of larval and post-metamorphosis mackerel in the Celtic Sea
J:25	G. Kraus and F.W. Köster	Duration, frequency and timing of sprat spawning in the Central Baltic: An analysis based on gonadal maturity
J:26	Mauricio F. Landaeta and Leonardo R. Castro	Spring spawning and early nursery zone of the mesopelagic fish <i>Maurolicus parvipinnis</i> at the coastal upwelling zone off Talcahuano, central Chile
J:27	Chevonne Laurenson, I.G. Priede, L.W. Bullough, and I.R. Napier	Where are the mature anglerfish? - the population biology of <i>Lophius piscatorius</i> in northern European waters
J:28	Orla Lee, Bret Danilowitz, and Mark Dickey-Collas	Growth and condition of dab (<i>Limanda limanda</i>) and sprat (<i>Sprattus sprattus</i>) larvae in relation to seasonal stratification in the Irish Sea
J:29	Christina Lockyer, Genevieve Desportes, Kirstin Anderson, Sabrina Labberté, and Ursula Siebert	Monitoring growth of harbour porpoise (Phocoena phocoena) in human care
J:30 Poster	Maria de Lourdes Sardinha and Pedro Barros	Association between bottom depth and some biological characteristics of <i>Parapenaeus longirostris</i> (Lucas, 1846) in Angolan waters

J:31	Andrei Makarchouk and E. Yula	Calculation of the spawning-stock biomass of sprat in the Gotland Basin (Eastern Baltic Sea) with the Hensen - Apstein method
J:32 Poster	Piotr Margoñski	Mesoscale distribution of zooplankton and fish larvae in the Vistula Lagoon (southern Baltic Sea)
J:33	Richard McGarvey, Janet M. Matthews, and Andrew W. Levings	An individual-based dynamic and stochastic model of Australian giant crab (<i>Pseudocarcinus gigas</i>)
J:34	Erik Olsen, H.J. Skaug, A. Leithe, B. Bergflødt, and K.A. Fagerheim	A comparison of variability and bias when ageing Northeastern Atlantic minke whales (<i>Balaenoptera acutorostrata</i>) by counting growth layer groups in Bulla tympanica and mandible
J:35	T. Saat, A. Veersalu, and J. Tambets	Timing of embryo development in fishes and lampreys
J:36	Withdrawn	
J:37	Withdrawn	
J:38	Henrik Sparholt, Lena I. Larsen, and J. Rasmus Nielsen	Verification of multispecies interactions in the North Sea by trawl survey data on Norway pout (<i>Trisopterus esmakii</i>)
J:39	Henrik Sparholt,Lena I. Larsen, and J. Rasmus Nielsen	Non-predation natural mortality of Norway pout in the North Sea
J:40	D.A. Stolyarenko, M.B. Malioutov, and B.G.Ivanov	Investigating population age structure with multiple samples: a series of histograms vs. average
J:41	Christoph Stransky, Sif Gudmundsdóttir, Torsteinn Sigurdsson, Svend Lemvig, and Kjell Nedreaas	Age readings of Sebastes marinus otoliths: bias and precision between readers and otolith preparation methods
J:42	Lauri Urho	Larval profit hypothesis on fish production mechanisms
J:43	Joana Cardoso, Jaap van der Meer, and Henk W. van der Veer	Interspecies comparison of energy flow in some North Atlantic bivalve species by means of dynamic energy budgets
J:44	Begoña Villamor, Pablo Abaunza, and Celso Fariña	Age and growth of northeast Atlantic mackerel (<i>Scomber scombrus</i> L., 1758) in waters of the north and northwest of Spain (ICES Divisions VIIIc and IXa North), 1990–2000
J:45	Harald Yndestad and Anne Stene	Systems dynamics of the Barents Sea capelin
J:46 Poster	M.J. Armstrong, H.D. Gerritsen, W. McCurdy, and J.A.D. Peel	Variability of maturity and growth of cod (Gadus morhua L.) in trawl surveys of the Irish Sea
J:47 Poster	Paulo Brinca	Distribution, abundance and some biological aspects of Canary drum (<i>Umbrina canariensis</i> Valenciennes, 1843) and Longneck croaker (<i>Pseudotholitus typus</i> Bleeker, 1863) off Angola
J:48 Poster	A. Fernández, C. Rodriguez-Cabello, I. Olaso, F. Sánchez, and A. Serrano	Biometric relationships to estimate length and weight of <i>Leucoraja naevus</i> , <i>Raja montagui</i> and <i>R. clavata</i> , from wing landings in the Cantabrian Sea
J:49 Poster	Henk J.L. Heessen	Development of Elasmobranch Assessments (DELASS)

J:50 Poster	A.I. Krysov	Reproductive capacity and year-class strength of the Norwegian spring spawning herring
J:51 Poster	Paulino Lucio, Marina Santurtún, Iñaki Quincoces, Susana Arego, and Elixabete Zuriarrain	A graphical approximation of hake growth in the North-eastern Atlantic during 1987–2000 (Results of reading more than 23,000 otoliths collected in this period)
J:52 Poster	Christina Morgado, Susana Barbosa, Maria Hortense Afonso, and Maria Lourdes Godinho	Relationship between otolith measurements and age of European hake (Merluccius merluccius)
J:53	Withdrawn	
J:54 Poster	Julio M. Portela, José M. Bellido, and José A. Cardoso	On a possible spawning area of Southern blue whiting (Micromesistius australis) to the west of the Falkland/Malvinas Islands
J:55 Poster	Iñaki Quincoces, Marina Santurtún, and Paulino Lucio	A new method for <i>Lophius</i> spp. gonad ovocites isolation for fecundity studies. Preliminary results on Black Anglerfish total fecundity
J:56 Poster	Réjane Streiff, S. Mira, M. Castro, and M.L. Cancela	Multiple paternity in the Norway lobster, <i>Nephrops norvegicus</i> L., detected by microsatellite markers
J:57 Poster	Withdrawn	
J:58 Poster	Filomena Vaz-Velho and Pedro Barros	Diurnal variation in the acoustic density (Sa) of horse mackerel off Angola in relation to circadian cycles
J:59 Poster	Karim Erzini, L. Bentes, P.G. Lino, J. Ribeiro, R. Coelho, P. Monteiro, C. Correia and J.M.S. Gonçalves	Trammel nets selectivity studies in the Algarve (southern Portugal): I. Catch composition and catch rates

THEME SESSION ON THE RESPONSE OF CEPHALOPOD POPULATIONS AND FISHERIES TO CHANGING ENVIRONMENT AND ECOSYSTEMS (K)

K:01	Alexander I. Arkhipkin, Alexander M. Sirota, Alexander V. Remeslo, Igor A. Polishchuk, and David A.J. Middleton	The influence of seasonal environmental changes on ontogenetic migrations of the squid <i>Loligo gahi</i> around the Falkland Islands
K:02	José M. Bellido, Graham J. Pierce, and Jianjun Wang	Development of a two-stage GAM model to study Scottish squid abundance in relation to environmental conditions
K:03 Poster	José M. Bellido, Graham J. Pierce, and Jianjun Wang	Environmental GIS modelling on the Scottish veined squid Loligo forbesi
K:04	A.B. Bendik	Abundance explosion of the Jumbo squid, <i>Dosidicus gigas</i> , on the high seas of the Peruvian region in relation to anomalous oceanographic patterns
K:05 Poster	Marco Biemann and Uwe Piatkowski	Amounts and composition of trace elements in the statoliths of loliginid squids and their relationships to environmental variables

K:06 Poster	L. Challier, J. Royer, and J.P. Robin	Variability in age-at-recruitment and juvenile growth in English Channel Sepia officinalis described with statolith analysis
K:07	E.G. Dawe, E.G. Colbourne, D.D. Jones, D.A. Methven, and L.C. Hendrickson	Squids as potential indicator species of environmental or ecosystem change in the Northwest Atlantic Ocean
K:08 Poster	V. Denis, J. Royer, P. Peries, J. Wang, G.J. Pierce, P. R. Boyle, M.R. Dunn, and J.P. Robin	French and UK bottom trawl fisheries in the English Channel: spatial and temporal patterns for fishing effort and cephalopod catch and integration of fleet components in the computation of squid and cuttlefish abundance indices
K:09	Rabea Diekmann and Uwe Piatkowski	Early life stages of cephalopods in the Sargasso Sea: Distribution and diversity relative to hydrographic conditions
K:10 Poster	K. Erzini, J. Sendão and T.C. Borges	Trends and environmental variability in the catches and CPUE of the common octopus (<i>Octopus vulgaris</i> , Curier 1797) in the Algarve
K :11	S. Georgakarakos, J. Haralabous, D. Koutsoubas, C. Arvanitidis, and A. Kapantagakis	Modelling and forecasting <i>loliginid</i> and <i>ommastrephid</i> landings in Greek waters by applying time series analysis techniques and artificial neural networks
K:12	A.N. Golub	Oceanographic factors influencing squid larval distribution in the Southwest Atlantic
K:13 Poster	Marko Herrmann, H. Gonschior, and U. Piatkowski	Hydrographic changes push European common squid Alloteuthis subulata into Kiel Bay, western Baltic Sea, its easternmost area of distribution
K:14	Simeon L. Hill and R.C. Wakeford	Environmental and behavioural influences on vessel efficiency in the Falkland Islands <i>Loligo gahi</i> fishery: implications for stock assessment
K:15 Poster	V.V. Laptikhovsky, A.V. Remeslo, Ch.M. Nigmatullin, and I.A. Polishchuk	Recruitment strength forecast in the shortfin squid, <i>Illex argentinus</i> (Cephalopoda: Ommastrephidae) based on satellite SST data, and some consideration on the species' population structure
K:16	V.V. Laptikhovsky and A.V. Remeslo	The Falkland Current as a governor of biological patterns in the shortfin squid, <i>Illex argentinus</i> on the high seas (45-47° S)
K :17	Colm Lordan	The reproductive biology of <i>Illex coindetii</i> in Irish waters: With an examination of life-cycle in relation to oceanographic features
K:18	Paulino Lucio, Marina Santurtún, Iñaki Quincoces, and Iñaki Artetxe	Geographical distribution and fishing effort of the cephalopod catches by the Basque fleet in the Northeastern Atlantic waters during the period 1994–2000
K:19	Frank Melzner, J.W. Forsythe, P.G. Lee, C. Clemmesen, U. Piatkowski, and H. Rosenthal	Can RNA/DNA ratios predict recent growth in the European cuttlefish Sepia officinalis (Mollusca: Cephalopoda)?
K:20	David A.J. Middleton and Alexander I. Arkhipkin	Environmental effects on the distribution and migrations of the squid <i>Illex argentinus (Ommastrephidae)</i> in Falkland Islands waters

K:21	Ch. M. Nigmatullin and O.A. Shukhalter	The macro-ecosystem variations of helminth fauna in ommastrephid squid <i>Sthenoteuthis oualaniensis</i> from Indian Ocean and East Tropical Pacific
K:22	Ronald O'Dor	Counting cephalopods in the Census of Marine Life
K:23	Withdrawn	
K:24	G.J. Pierce and P.R. Boyle	Time-series models of interannual trends in abundance of squid (Loligo forbesi) in Scottish waters
K:25 Poster	Mario Rasero, E. Román, J.M. Portela, and J.A. Cardoso	A contribution to the knowledge of the cephalopod fauna of Svalbard Islands
K:26 Poster	Mario Rasero, J.M. Portela, and M. Alvarez- Pérez	First attempt to fit depletion models to cephalopod fishery data in Spanish waters
K:27	Mario Rasero, F. Sánchez, and M. Alvarez- Pérez	Geographical and bathymetric distribution of cephalopods in N-NW Spanish shelf and slope: results of the "Demersales 2000" cruise
K:28	M.J. Roberts	Chokka squid abundance maybe linked to changes in the agulhas bank ecosystem during spawning and the early life cycle
K:29	J. Royer, P. Peries, and J.P. Robin	Stock assessments of English Channel <i>Loliginid</i> squid: updated depletion methods and new analytical methods
K:30 Poster	Marina Santurtun, Paulino Lucio, Iñaki Quincoces, and Iñaki Artetxe	Cephalopod catches of the Basque fleet in the Northeastern Atlantic waters during the period 1994–2000
K:31	A.F. Zuur	Estimation of common trends in fisheries time series
K:32 Poster	David J. Agnew, S.L. Hill, and J.R. Beddington	Using predictions of recruitment strength to manage single-cohort stocks of an annual squid species: Loligo gahi in the Falkland Islands
K:33 Poster	A. Caverivière and H. Demarcq	Abundance indexes of <i>Octopus Vulgaris</i> and the coastal upwelling intensity in the south of Senegal
K:34 Poster	Patrizia Jereb, Daniela Massi, Giacomo Norrito, and Fabio Fiorentino	Preliminary observations of environmental effects on spatial distribution and abundance of <i>Eledone cirrhosa</i> and <i>Illex coindetii</i> in the Strait of Sicily (Central Mediterranean Sea)
K:35 Poster	Didier Jouffre, Alain Caverivière, Sophie Lanco-Bertrand, and Didier Gascuel	Virtual population analysis of the Senegalese <i>Octopus vulgaris</i> stock
K:36 Poster	Sónia Seixas and T. Pinheiro	Seasonal variations for the concentrations of trace elements in common octopus (<i>Octopus vulgaris</i>) at Portuguese waters
K:37 Poster	José C. Xavier, Paul G. Rodhouse, and John P. Croxall	New estimates of the <i>Martialia hyadesi</i> stock based on predator diet – implications for South Atlantic squid fisheries

THEME SESSION ON THE STOCK STRUCTURE OF ATLANTIC COD: STATE OF THE ART (L)

L:01	Erik Berg, O.T. Albert, and J.E. Eliassen	Cod in fjords and coastal waters of North-Norway: Variation in length and maturity-at-age.
L:02	O.D.B. Jónsdóttir, A.K. Daníelsdóttir, A.K. Imsland, V. Thorsteinsson, and G. Nævdal	Genetic differentiation among Atlantic cod in south and southeast Icelandic waters: synaptophysin (Syp I) and haemoglobin (HbI) variation
L:03	Einar Eg Nielsen, Michael Møller Hansen, Cathrin Smith, Dorte Meldrup, and Peter Grønkjær	Genetic population structure of cod (Gadus morhua) in the Northeast Atlantic
L:04	Svein-Erik Fevolden and Tuula Sarvas	Distinct genetic divergence between cod (Gadus morhua) in fjords and cod in offshore waters in northern Norway
L:05	Björn Gunnarsson, Hedinn Valdimarsson, Gavin A. Begg, and Gudrun Marteinsdottir	Spatial and temporal abundance, age and hatch-date distributions of Icelandic larval and pelagic juvenile cod in relation to currents observed with surface drifters
L:06	William F. Hutchinson, Gary R. Carvalho, and Stuart I. Rogers	Marked genetic structuring in localised spawning populations of cod (<i>Gadus morhua</i>) within the North Sea and adjoining waters, as revealed by microsatellites
L:07	Torild Johansen, Sven- Erik Fevolden, Gunnar Nyhammer, and Gunnar Nævdal	Evidence of genotype-dependent variation in growth of cod
L:08	O.D.B. Jónsdóttir, A.K. Danielsdóttir, and G. Nævdal	Genetic differentiation among Atlantic cod (Gadus morhua L.) in Icelandic waters: temporal stability
L:09	O.D.B. Jónsdóttir, O.Y Atladóttir, A.K. Imsland, and A.K. Daníelsdóttir	Population genetic structure of Atlantic cod (Gadus morhua L.) in the North Atlantic Ocean, using nuclear DNA RFLP analysis
L:10 Poster	O.D.B. Jónsdóttir, A.K. Imsland, A.K. Daníelsdóttir, and G. Marteinsdóttir	Genetic heterogeneity and growth properties of different genotypes of Atlantic cod (Gadus morhua L.) at two spawning sites off south Iceland
L:11	Sten Karlsson and J. Mork	Evidence of natural selection at the <i>Synaptophysin locus</i> (SypI) in a natural population of cod (<i>Gadus morhua</i> L.)
L:12	Kjell Kr. Olsen, Svein- Erik Fevolden, and Jens- Eric Eliassen	When science outpaces a rusty management model
L:13	Ivar H. Pettersen	The population structure of cod (Gadus morhua) especially in the Lofoten -Vestfjord area
L:14	Daniel E. Ruzzante, Christopher T. Taggart, Roger W. Doyle and Doug Cook	Stability in the historical pattern of genetic structure of Newfoundland cod (<i>Gadus morhua</i>) despite the catastrophic decline in population size from 1964 to 1994

L:15	A.G.V. Salvanes and P.J.B. Hart	Is individual variation in competitive performance of juvenile cod related to haemoglobin genotype?
L:16	M. Stéfansson, J. Coughlan, Richard D. Fitzgerald, and T.F. Cross	Microsatellite DNA variation in reared strains of turbot (Scophthalmus maximus) and Atlantic halibut (Hippoglossus hippoglossus) compared with wild samples
L:17 Poster	Terry D. Beacham, John Brattey, Kristina M. Miller, Khai D. Le, Angel D. Schulze, and Ruth E. Withler	Stock structure of Atlantic cod (<i>Gadus morhua</i> L.) off Newfoundland and Labrador determined from genetic variation
L:18 Poster	Sigurd Heiberg Espeland, Jakob Gjøsæter, and Nils Chr. Stenseth	Long term movement patterns of coastal cod (Gadus morhua)
L:19 Poster	Halvor Knutsen and Per Erik Jorde	Microsatellite DNA reveals fine-scaled population subdivision in Norwegian coastal cod (Gadus morhua)
L:20 Poster	Jens Loss Finstad and Jarle Tryti Nordeide	Sound production by coastal cod and North-East Arctic Cod
L:21 Poster	Tuula Sarvas and Svein- Erik Fevolden	Horizontal and vertical stratification of scnDNA allele frequencies of cod (Gadus morhua) in fjords in northern Norway
L:22 Poster	Espen Søreng and J.T. Nordeide	Fitness and viability of the egg and yolk sack larva of Northeast Arctic cod, Norwegian coastal cod, and hybrids of the two groups

THEME SESSION ON DEVELOPING SALMON CONSERVATION LIMITS – RECENT PROGRESS AND REVIEWS (M)

M:01	Tapani Pakarinen, A. Romakkaniemi, S. Kuikka, L. Uusitalo, and E. Ikonen	Evaluation of the quality of biological reference points of Baltic salmon management
M:02	W.W. Crozier and G.J.A. Kennedy	Development of conservation limits for Atlantic salmon stocks in the NEAC area: Northern Ireland as a case study
M:03	Niall O'Maoiléidigh	Overview of the Report of the Working Group on North Atlantic Salmon
M:04	E.C.E. Potter and M. Nicholson	A simple model for estimating biological reference points from noisy stock-recruitment data
M:05	E.C.E. Potter and L.P. Hansen	Do farm escapees distort estimates of salmon pre-fishery abundance and national conservation limits?
M:06	E.C.E. Potter	Improving estimates of salmon pre-fishery abundance and national conservation limits in the NASCO-NEAC area
M:07	Jake Rice	Review of ICES framework for fisheries advice and salmon advice
M:08	K.F. Whelan, P. McGinnity; N. O' Maoiléidigh, and Ted Potter	Attainment of conservation limits in the Burrishoole River, Co. Mayo, Ireland since 1980 – implications for local management

M:09	Kim D. Hyatt	Ecosystem considerations for the development of biological reference points and future implementation of Fisheries and Oceans Canada's wild salmon policy
M:10	L. Blair Holtby	Referential systems as a guide to implementing reference points for Pacific salmon

THEME SESSION ON CASE STUDIES IN THE SYSTEMS ANALYSIS OF FISHERIES MANAGEMENT (N)

N:01	A.D. Rijnsdorp, G.J. Piet, and J.J. Poos	Effort allocation of the Dutch beam trawl fleet in response to a temporarily closed area in the North Sea
N:02	John H. Annala, Jonathan Peacey, Kevin Stokes, and Nici Gibbs	The use of adaptive management programmes in the management of New Zealand's fisheries
N:03	Mette Bertelsen and Hans Lassen	Sustainable exploitation of a coastal resource – the blue mussel fishery in Limfjorden, Denmark
N:04	Wendell S. Brown, Frank L. Bub, Brian Rothschild, Miles Sundermeyer, Avijit Gangopadhyay, Robert Lane, Allan R. Robinson, and Patrick Haley	Assimilating near-real-time fisheries and environment data into an advanced fisheries management information system
N:05	Withdrawn	
N:06	A. Fernandez, C. Rodriguez-Cabello, I. Olaso, and F. Sánchez	Survival of lesser spotted dogfish (Scyliorhinus canicula, L.) discarded by trawlers
N:07	Daniel S. Holland	Integrating spatial controls into fishery management systems: The case of the Georges Bank multispecies groundfish fishery
N:08	Sakari Kuikka, Geoff Tuck, Tony Smith, and Xi He	Using simulation results and Bayesian belief network to assist fisheries planning: a case study of Patagonian toothfish fishery at Macquarie Island
N:09	Daniel E. Lane	Fisheries systems models for evaluating alternative management strategies: six OECD case studies
N:10	L.R. Little, S. Kuikka, A. Punt, F. Pantus, A. Smith, A.D. McDonald; C. Davies, and B. Mapstone	A fleet dynamics model with information sharing among vessels modelled using a Bayesian network
N:11	Withdrawn	
N:12	Valeri Makhotin and Per Solemdal	Lethal egg malformations in Arcto-Norwegian cod: a comparative study between different areas and between the years 2000 and 2001
N:13	Dominique Pelletier and Stéphanie Mahevas	Comparing the impact of Total Allowable Catches and Marine Protected Areas upon the dynamics of a mixed fishery
N:14	J.J. Poos, M.A. Pastoors, and A.D. Rijnsdorp	Quota regulation and efficiency in the Dutch beam trawl fleet
N:15	B.J. Rothschild, L.W.J. Lanerolle, and P.K. Yeung	Modulation of ocean productivity of small-scale turbulent flow

N:16	Hein Rune Skjoldal	Recruitment and stability of fish populations: the recruitment-stock paradox – yet again!
N:17	Kevin D.E. Stokesbury, Tu Truong, Farhad Azadivar, and Brian J. Rothschild	A management system for the Atlantic Sea scallop using video surveys, simulation modeling and optimization
N:18	M.A. Sundermeyer, B.J. Rothschild, and A.R. Robinson	A study of environmental indicators and the predictability of commercial fish stocks
N:19 Poster	M.E. Cagigas, G. Blanco, E. Vázquez, and J.A. Sánchez	Genetic characterization of stock structure of two species of anglerfish (<i>Lophius piscatorius</i> L., and <i>L. budegassa</i>) based on microsatellite markers: preliminary results
N:20	Withdrawn	

THEME SESSION ON APPLICATION OF MARK-RECAPTURE EXPERIMENTS TO STOCK ASSESSMENT (O)

O:01	Withdrawn	
O:02	L.J. Bolle, E. Hunter, A.D. Rijnsdorp, M.A. Pastoors, J.D. Metcalfe, and J.D. Reynolds	Do tagging experiments tell the truth? Using electronic tags to evaluate conventional tagging
O:03	John Brattey and Noel Cadigan	Estimation of short-term tagging mortality of adult Atlantic cod (Gadus morhua)
O:04	Noel G. Cadigan and John Brattey	Estimation of the exploitation rates and migration rates for cod (<i>Gadus morhua</i>) in NAFO Divisions 3KL and Subdivision 3Ps during 1997–2000 from tagging experiments
O:05	Paul Connolly and Rick Officer	The use of tagging data in the formulation of the Irish Sea Cod Recovery Plan
O:06	A. Fernández, C. Rodriguez-Cabello, I. Olaso, F. Sánchez, and A. Serrano	Is the lesser spotted dogfish (Scyliorhinus canicula) from the Cantabrian Sea a unique stock?
O:07	Stewart Frusher and John Hoenig	Estimating fishing and natural mortality and tag reporting rate using multi-year tagging models
O:08	E. Hunter, J.D. Metcalfe, J.D. Reynolds, and G.P. Arnold	Subdivision of the North Sea plaice population: evidence from electronic tags
O:09	Sigurdur Tor Jonsson	The importance of tagging in earnest: Review of saithe tagging experiments in the NE-Atlantic and introducing an ongoing Icelandic saithe tagging study
O:10	T. Pedersen and J. Pope	Tagging-based estimates of growth rates and mortality rates of wild and hatchery reared cod in a north Norwegian fjord
O:11	John Pope and John Brattey	A simple matrix based analysis of multiple area tagging data applied to the northern cod stock of Newfoundland
O:12	Jake Schweigert, Linnea Flostrand, Aril Slotte, and Doug Tallman	Application of coded wire tagging technology in Pacific herring to investigate stock structure and migration

O:13	Aril Slotte, Jake Schweigert, Linnea Flostrand, and Jan Erik Fosseidengen	Experiments on tagging mortality and shedding in captive Norwegian spring-spawning herring: effects of tagging season and tag type
O:14	Aril Slotte, Jake Schweigert, Linnea Flostrand, and Jostein Røttingen	Factors influencing tag-recovery rates in the Norwegian spring- spawning herring tagging scheme
O:15	Aril Slotte and Are Dommasnes	The correlation between tag-recovery data and VPA-data in Norwegian spring-spawning herring
O:16	Aril Slotte	Use of tag-recovery data to determine migration routes of Norwegian spring-spawning herring
O:17	A. Uriarte, P. Alvarez, S. Iversen, J. Molloy, B. Villamor, M.M.Martíns, and S. Myklevoll	Spatial pattern of migration and recruitment of North East Atlantic mackerel
O:18 Poster	Noel G. Cadigan and John Brattey	A nonparametric Von Bertalanffy model for estimating growth curves of Atlantic cod
O:19 Poster	Noel G. Cadigan and John Brattey	Semi-parametric estimation of tag loss and reporting rates using exact time-at-liberty data from tagging studies
O:20 Poster	Alain Caverivière, F. Domain, M. Fall, and D. Jouffre	Tagging Octopus vulgaris in Senegalese waters
O:21 Poster	Jorge Landa, R. Duarte, C. Fariña, I. Bruno, and J. Castro	Mark-recapture studies of black anglerfish (<i>Lophius budegassa</i>) in the North eastern Atlantic: preliminary results
O:22 Poster	Jorge Landa, I. Bruno, C. Fariña, and A. Autón	Movement rates and validation trials of growth of white anglerfish (<i>Lophius piscatorius</i>) in the North eastern Atlantic based on mark-recapture experiments
O:23 Poster	S. Prusov, F.G. Whoriskey, and S.J. Crabbe	Mark-recapture estimate of the stock abundance of the Atlantic salmon done during catch-and-release fishing on the Ponoi River, Kola peninsula, Russia

THEME SESSION ON QUALITY AND PRECISION OF BASIC DATA UNDERLYING FISH STOCK ASSESSMENT AND IMPLICATIONS FOR FISHERIES MANAGEMENT ADVICE (P)

P:01	Sondre Aanes and Michael Pennington	Assessing the precision of the estimated age distribution of the commercial catch of Northeast Arctic cod
P:02	Paul Connolly, V. Trujillo, G. Pestana, J. G. Pereira, S. Flatman, P. Moguedet, A. Newton, and L. Motos	Key issues concerning basic fisheries data for western EU waters
P:03	A. Eltink	Improvements in the quality of the basic horse mackerel age data during the last 20 years
P:04	R.E. Grift, M.A. Pastoors, and A.D. Rijnsdorp	Trends in reproductive parameters of North Sea plaice and cod: implications for stock assessment and management advice

P:05	David Hirst, Ingunn Frida Tvete, and Geir Storvik	Estimating catch-at-age from market sampling data using a Bayesian hierarchical model
P:06	Vidar Hjellvik, Olav Rune Godø, and Dag Tjøstheim	The measurement error of marine survey catches: the bottom trawl case
P:07	Soenke Jansen, Christopher Zimmermann, and Cornelius Hammer	Six years of German participation in the North Sea Acoustic Survey for Herring: Results and reflections on survey design
P:08	E. Jardim, V. Trujillo, and Paz Sampedro	Uncertainties in sampling procedures and age composition for Hake and Sardine in Atlantic Iberian waters
P:09	M.E. Lonergan, D.L. Borchers, S.N. Wood, and A. Pout.	Using Generalised Additive Models to reduce uncertainty in biomass estimates for stock assessment
P:10	J.C. Mahé	Estimation of abundance indices-at-age in research surveys – A comparison of sampling strategies
P:11 Poster	D.L. Maxwell, B.D. Rackham, S. Warnes, M. Armstrong, A.N. Newton, and R. Officer	A study of market sampling data, precision of age compositions and the effect of mis-ageing: Irish Sea (VIIa) cod
P:12	H. Mosegaard and S.A. Reeves	Revision of Baltic cod age determination based on otolith accretion characteristics and weight distributions
P:13	C.M. O'Brien, C.D. Darby, D.L. Maxwell, B.D. Rackham, H. Degel, S. Flatman, M.A. Pastoors, E.J. Simmonds, and M. Vinther	The precision of international market sampling for North Sea plaice (<i>Pleuronectes platessa</i> L.) and its influence on stock assessment
P:14	C.M. O'Brien, C.D. Darby, B.D. Rackham, D.L. Maxwell, H. Degel, S. Flatman, M. Mathewson, M.A. Pastoors, E.J. Simmonds, and M. Vinther	The precision of international market sampling for North Sea cod (Gadus morhua L.) and its influence on stock assessment
P:15	Withdrawn	
P:16	Michael Pennington	An evaluation of the IMR Summer Bottom Trawl Survey in the Barents Sea
P:17	P. Petitgas	Allocation of survey effort between small scale and large scale for improving the precision of fisheries survey-based abundance estimates
P:18	Stuart A. Reeves	The implications of age-reading errors for stock assessment and management advice: a case-study based on Eastern Baltic Cod
P:19	P. Reglero, M. Eero, and H. Mosegaard	Some considerations in the use of early life history stages of Baltic sprat (<i>Sprattus sprattus</i>) in recruitment prediction
P:20	Marie-Joëlle Rochet	Decorrelating the estimation of indicators and their reference points: the use of survey data

P:21	E.J. Simmonds, C.L. Needle, H. Degel, S. Flatman, C.M. O'Brien, M.A. Pastoors, A.P. Robb, and M. Vinther	The precision of international market sampling for North Sea herring and its influence on assessment
P:22	John Simmonds	A method for calculation of optimum mean weights-at-age for use in the assessments and predictions; an example using North Sea herring data
P:23	Per Sparre, Ole Folmer, and Clara Ulrich	A VPABASE: Prototype of database for storage and processing of VPA-input data
P:24	Gudrun Thorarinsdóttir and Stefan A. Ragnarson	Stock assessment of Arctica islandica and management advice
P:25	Withdrawn	
P:26	Withdrawn	
P:27 Poster	E. Jardim, I. Artetxe, and O. Gaudou	International Sampling Level DataBase (ISLDB) – A tool for sampling analysis
P:28 Poster	E.J. Simmonds, V Svendsen, E. Torstensen; PG Fernandes, D G Reid; A.S. Couperus, K J Staehr, C Zimmermann, and E. Götze	The 2000 ICES Coordinated Acoustic Survey of ICES Divisions IIIa, IVa, IVb, and VIa(north)
P:29	N. Bez and C. Hammer	Mackerel and horse mackerel egg surveys: Estimation of sampling accuracy in regular-systematic plankton surveys

THEME SESSION ON CATCHABILITY AND ABUNDANCE INDICATORS – THE INFLUENCE OF ENVIRONMENT AND FISH BEHAVIOUR (Q)

Q:01	Julian Addison, Andy Lawler, and Mike Nicholson	Catchability of brown shrimps (<i>Crangon crangon</i>) in relation to environmental variables: experimental and modelling approaches
Q:02	Sara Adlerstein and Siegfrid Ehrich	Variability of hydrographic conditions on cod catches in North Sea bottom trawl surveys
Q:03	Arnaud Bertrand, Erwan Josse, Pascal Bach, and François Gerlotto	Tuna catchability with a longline related to trophic and tuna habitat characteristics
Q:04	P. Brehmer and F. Gerlotto	Comparative analysis of swimming behaviour in different populations of <i>Sardinella aurita</i> : influence of environment and exploitation, effect on catchability
Q:05	N. Cadic, P. Irz, C. Argillier, O. Schlumberger, M. Sagliocco, and J.P. Proteau	Fish census during reservoir draining to assess the biases in gillnetting or echocounting fish population estimates
Q:06	Gersom Costas and Antonio Punzón	Standardising of Spanish trawl CPUE for northern hake using Generalized Linear Modelling
Q:07	Arill Engaas, Egil Ona, and Kjell Ramberg	In situ determination of bottom trawl ground gear contact

Q:08	Paul Fernandes, Lorna Macdonald, R. Aukland, D. Reid, E.J. Simmonds, and A. Shanks	Changes in the availability of herring to the North Sea acoustic survey; the impact of diurnal migration
Q:09	Natalia Gorska and Egil Ona	Modelling herring target strength pressure dependence in the frequency domain
Q:10	Nils Olav Handegard and Egil Ona	Modelling fish reaction to vessel noise, the significance of the reaction thresholds
Q:11	Vidar Hjellvik, Olav Rune Godø, and Dag Tjøstheim	Diurnal bias and uncertainty in bottom trawl survey catches: does it pay to adjust?
Q:12	Tamara Janoscik, N.P. Lester, and N.C. Collins	Developing a lake-specific catchability coefficient for lake trout (Salvelinus namaycush) index netting
Q:13	Sigurdur Tor Jonsson and Hoskuldur Björnsson	Tuning of saithe VPA with survey indices: can noisy indices from a bottom trawl survey be of use in the assessment of a semi-pelagic species?
Q:14	Withdrawn	
Q:15	Odd Nakken and Michael Pennington	On the relation between 'true' numbers of Northeast Arctic cod and VPA- or survey-based abundance estimates
Q:16	Withdrawn	
Q:17	J.B. Pérodou and A. Souplet	Causes of variations of two temporal series of hake's abundance indicators in the Golfe du Lion (Mediterranean Sea) obtained independently by commercial fishing data and by experimental survey data
Q:18	Antonio Punzón and Begoña Villamor	Analysis of the Northeast Atlantic mackerel (Scomber scombrus L.) population exploited by the handline fishery in the North of Spain (ICES Divisions VIIIb,c)
Q:19	Antonio Punzón, Gersom Costas, Rosa Gancedo, and Roberto Morlan	Segmentation of the mixed trawl fishery that exploits demersal resources in the Cantabrico (ICES Division VIIIc)
Q:20	D. Righton, J.D. Metcalfe, and G.P. Arnold	Vertical reality: utilising knowledge of cod behaviour to interpret survey results
Q:21	Yvan Simard, Hugo Bourdages, and Louise Savard	A geostatistical application for correcting the effect of day/night catchability variations in northern shrimp (<i>Pandalus borealis</i>) bottom trawl surveys
Q:22	George Skaret, Leif Nøttestad, Anders Fernø, Arne Johannessen, and Bjørn-Erik Axelsen	Impact of herring spawning behaviour on acoustic estimates
Q:23	Aril Slotte	The influence of fish behaviour on acoustic abundance estimates during the spawning season in Norwegian spring spawning herring
Q:24	Boonchai Stensholt, Asgeir Aglen, Sigbjørn Mehl, Kjell Harald Nedreaas, and Eivind Stensholt	Spatial density distributions of fish, a balance between environmental and physiological limitation
Q:25 Poster	Gersom Costas	Application of robust statistic methods to commercial CPUE data

Q:26	Oleg M. Lapshin and Y.V. Gerasimov	Determination of the variability of selectivity and intensity of fishing by set nets on nearshore fishing grounds using the influence of fish behaviour and environmental patterns
Q:27 Poster	Oleg M. Lapshin, A.A. Gratchef, and Y.V. Gerasimov	The selectivity and catchability of gill nets in herring fishing in the northern part of the Caspian Sea

THEME SESSION ON WHAT INFORMATION DOES ECOSYSTEM MANAGEMENT NEED FROM ECOLOGISTS AND GEAR TECHNOLOGISTS TO ASSESS ECOSYSTEM EFFECTS OF FISHING AND IMPLEMENT POLICIES? (R)

R:01	F. Gerlotto, P. Brehmer, D. Buestel, and F. Sanguinède	A method for acoustic monitoring of a mussel longline ground using vertical echosounder and multibeam sonar
R:02	D.W. Kulka	Quantifying trawling intensity in Canadian waters
R:03	Withdrawn	
R:04	Esteban Puente, L. Arregi, E. Gomez, and G. Sancho	An experimental approach to study the effects of lost of static fishing gear on the Bay of Biscay benthic communities: FANTARED-2
R:05	Kenneth Sherman	Application of medium-term strategies for ecosystem-based management
R:06	David A. Somerton	Environmental effects of bottom trawling: a benthic overfishing model
R:07	Einar Svendsen, Jens Gl. Balchen, Jo Arve Alfredsen; and Bjarte Bogstad	AMOEBE: A Model-based and data-driven Operational Ecological Biomass Estimator
R:08	Verena M. Trenkel and Michael Klages	Underwater video for observing the ecosystem and in situ experiments
R:09	B. van Marlen, M.J.N. Bergman, S. Groenewold, and M. Fonds	Research on diminishing impact in demersal trawling – The experiments in the Netherlands
R:10	B. van Marlen, D. de Haan, A.S. Revill, K.E. Dahm, H. Wienbeck, M. Purps, J. Coenjaerts, and H. Polet	By-catch reduction devices in the European Crangon fisheries
R:11 Poster	Andy J. Wheeler, Dave S.M. Billett, Doug G. Masson, and A. Grehan	The impact of demersal trawling on NE Atlantic coral ecosystems with particular reference to the northern Rockall Trough

THEME SESSION ON EUTROPHICATION, FOR BETTER OR FOR WORSE: CAN IT BE CONTROLLED? (S)

S:01 T.L. Bokn Fucoid distributions, abundances and changes in the inner Oslofjord, Norway during 1970–2000

S:02	Edward J. Chesney and Donald M. Baltz	Patterns in the expression of nutrient enrichment: Perspectives on fisheries and fisheries habitat in eutrophic ecosystems
S:03	Johan Craeymeersch, Marnix van Stralen, and Tammo Bult	Meat content of cultured mussels (<i>Mytilus edulis</i>) in relation to food supply, eutrophication, and suspended matter concentration in the Dutch Wadden Sea
S:04	Jens Dahlmann and Bernd Luckas	An LC/MS-based multitoxin method for brackish waters and lakes coupled with structure elucidation of microcystins
S:05	Karel Essink	Response of an estuarine ecosystem to reduced organic waste discharge
S:06	Lars Føyn and Magnar Hagebø	Nutrients in the inner Oslofjord. Development over time
S:07	Jan Magnusson and Birger Bjerkeng	The eutrophication of the inner Oslofjord – observed changes in water masses after purification actions
S:08	F. Olsgard	Sediment-dwelling fauna in the eutrophicated and polluted Oslofjord
S:09	Alexander Rühl, Christian Hummert, Katrin Reinhardt,Gunnar Gerdts, and Bernd Luckas	Determination of new algal neurotoxins (spirolides) near the Scottish east coast
S:10	Withdrawn	
S:11	O.V. Titov	Is the natural eutrophication of the Barents Sea possible?
S:12	Victor N. de Jonge	Present state, effects, and challenges for remediation measures of eutrophication in coastal waters

THEME SESSION ON USE AND INFORMATION CONTENT OF ECOSYSTEM METRICS AND REFERENCE POINTS (T)

T:01	Jeremy Collie, Henrik Gislason, and Morten Vinther	Using AMOEBAs to integrate multispecies, multifleet fisheries advice
T:02	Philippe Cury and Villy Christensen	SCOR/IOC Working Group 119: 'Quantitative Ecosystem Indicators for Fisheries Management'
T:03	Niels Daan	The IBTS database: a plea for quality control
T:04	Niels Daan	A spatial and temporal diversity index taking into account species rarity, with an application to the North Sea fish community
T:05	Niels Daan, John Pope, Henrik Gislason, and Jake Rice	Report of a Private Working Group
T:06	Chris Frid and Steve Hall	Ecological Quality Objectives for benthic communities: If we protect the habitat do we need to do more?
T:07	Rainer Froese, Uwe Piatkowski, Stefan Garthe, and Daniel Pauly	A preliminary comparison of the trophic structure of some large marine ecosystems
T:08	Louize Hill, Bob Mohn, Jeremy Collie, and Maria de Fatima Borges	Life history characteristics as tools to evaluate changes in exploited fish communities

T:09	Ronald Lanters and Tanja Verbeeten	Application of ecosystem metrics in regulating fisheries in the Dutch Wadden Sea
T:10	Jason S. Link, Jon K.T. Brodziak, William J. Overholtz, Wendy L. Gabriel, Steve F. Edwards, Tim D. Smith, and Michael J. Fogarty	Ecosystem: Integration, synthesis, trends and meaning of ecosystem metrics. Or getting to the brass tacks of ecosystem based fishery management
T:11	G.J. Piet	Ecological Quality metrics and reference points of the North Sea fish community
T:12	Jake Rice	From Science to Advice: How to Find Ecosystem Metrics to Support Management
T:13	Leonie Robinson and Chris Frid	Dynamic ecosystem models and the evaluation of ecosystem effects of fishing: can we make meaningful predictions?
T:14 Poster	Robert O'Boyle, R. G. Jamieson, J. Arbour, D. Cobb, S. Courtenay, R. Gregory, C. Levings, J. Munro, I. Perry, and H. Vandermeule	2001. Objectives, Indicators and Reference Points for Ecosystem-Based Management in Canada: Report on Progress to Date

£

THEME SESSION ON ECOSYSTEM CHANGE IN THE BALTIC (U)

U:00	Brian MacKenzie	CORE/STORE Project: A case study with cooperation between countries inside and outside the EU
U:01	M.C. Bleil and R. Oeberst	Fecundity of Baltic cod - differences between ICES Sub- divisions and variation from 1993 to 1999
U:02	V.N. Feldman, F.A. Patokina, and N.A. Kalinina	Recent changes in diet composition and daily food intake of the Baltic herring in the Gdansk Basin of the Baltic Sea
U:03	V.N. Feldman and T.G. Vasilieva	Changes in distribution, abundance and population structure of Baltic sprat in 1992-2000
U:04	C.C.E. Hopkins, J. Thulin, and E. Hoell	A paradigm involving transformation of the Baltic Sea ecosystem and fisheries regimes related to eutrophication, and options for mitigation to redress the root causes
U:05	E.M. Karasiova and A.S. Zezera	Interannual variability trends of sprat egg distribution and environmental conditions influencing egg development in the Gdansk Deep of the Baltic Sea in 1992-2000
U:06	Friedrich W. Köster, Christian Möllmann, Stefan Neuenfeldt, Morten Vinther, Gerd Krauss and Rüdiger Voss	Fish stock development and environmental variability in the Central Baltic Sea
U:07	Andrei Makarchouk	Modelling the vertical distribution of sprat eggs in the changing conditions of the Eastern Baltic
U:08	Christian Möllmann, Georgs Kornilovs, Ludvigs Sidrevics, and Friedrich W. Köster	Variability in population biology of calanoid copepods in the Central Baltic Sea

U:09	Kai Myrberg, Oleg Andrejev, Eero Aro, Juha Flinkman, and Harri Kuosa	Main upwelling regions in the Baltic Sea
U:10	A.N. Pantiulin and V.S. Arkhipkin	Four inland brackish seas: comparative analysis of hydrology and ecology
U:11	M. Plikshs, E. Jula, M. Fetter, D. Uzars, G. Kornilovs, F. Schvetsov, and A. Makarchouk	Long-term changes of oceanographic regime in the Gotland basin of the Baltic Sea: influence on fish species composition and fishery
U:12	M. Podolska and J. Horbowy	The analysis of infection of Baltic herring (Clupea harengus membras) with Anisakis simplex larvae using generalized linear models
U:13	T. Saat, R. Eschbaum, and M. Vetemaa	Recent changes in fish assemblages along the Estonian coast
U:14	M. Schaber, C. Möllmann, and F.W. Köster	Spatial and temporal variability in the stomach content of herring and sprat in the Bornholm Basin
U:15	Dietrich Schnack and Friedrich W. Köster	Environmental and fisheries influences on fish stock recruitment in the Baltic Sea (STORE). Summary of results 1999–2000
U:16	Lauri Urho, Jakob Kjellman, and Tea Pelkonen	Eutrophication and littoral age-0 fish abundance in the Gulf of Finland, northern Baltic Sea

THEME SESSION ON GROWTH AND CONDITION IN GADOID STOCKS AND IMPLICATIONS FOR SUSTAINABLE MANAGEMENT (\mathbf{V})

V:01	Niels G. Andersen	Use of bioenergetics modelling to predict variations in somatic growth and gonadal output
V:02	Vladimir M. Borisov, M.V. Bondarenko, and A.S. Krovnin	To the problem of the stock management of north-east Atlantic cod (Gadus morhua)
V:03	Keith Brander	Explaining and predicting variability in growth rates of cod
V:04	V. Buehler	Mechanisms that regulate selective mortality on larval and juvenile cod: fine tuning between growth and survival
V:05	Denis Chabot, Jean- Denis Dutil, and Christine Couturier	Impact of chronic hypoxia on food ingestion, growth, and condition of Atlantic cod, <i>Gadus morhua</i>
V:06	G.A. Chouinard and D.P. Swain	Bathymetric variation in condition and length-at-age of southern Gulf of St. Lawrence cod in September
V:07	Lorenzo Ciannelli, A.J. Pau,l and R.D. Brodeur	Regional, interannual, and size-related variation in age-0 walleye pollock (<i>Theragra chalcogramma</i>) whole body energy content around the Pribilof Islands, Bering Sea

V:08	Catriona Clemmesen, V. Bühler, G. Carvalho, G. Evans, L. Hauser; W. Hutchinson, H. Mempel, E. Moksness, H. Otteraa, and T. Svaasand	Measurements of condition and growth of cod larvae reared in mesocosms: individual variability as a function of environmental condition or genetic inheritance
V:09	Rabea Diekmann and Uwe Waller	Experiments on metabolism and growth of juvenile cod (Gadus morhua) under simulation of natural oxygen fluctuations in the shallow waters of Kiel Bay
V:10	K.F. Drinkwater and K.T. Frank	Temperature and density-dependent effects on the growth of haddock (Melanogrammus aeglefinus) on the Scotian Shelf
V :11	Jean-Denis Dutil	The effect of energetic condition on growth in cod (Gadus morhua)
V:12	Øyvind Fiksen and Brian R. MacKenzie	How optimal state-dependent allocation to growth or reproduction may affect the total egg production in fish stocks
V:13	Arild Folkvord, E. Otterlei, and Ø. Fiksen	Laboratory and field estimates of larval growth of cod: how do they compare?
V:14	Kristin Helle	Do two-year-old Arcto-Norwegian cod remain in the area where they settled?
V:15	George Lilly	Changes in size-at-age and condition of cod (<i>Gadus morhua</i>) off Labrador and eastern Newfoundland during 1978–2000
V:16	Withdrawn	
V:17	C. Tara Marshall, Nathalia A. Yaragina, and Anders Thorsen	Evaluating the effectiveness of biological reference points in conserving reproductive potential
V:18	Gudrun Marteinsdóttir and Gavin A. Begg	The influence of spawner age, size, and condition on fundamental variables affecting reproductive potential
V:19	C.L. Needle, M.R. Heath, C.M. O'Brien, and C.D. Darby	Ogive characterisation in medium-term stock projections
V:20	L.R. O'Brien, P. Rago, P. Berrien, and G. Lough	Incorporating early-life history parameters in the estimation of the stock-recruit relationship of Georges Bank Atlantic cod (<i>Gadus morhua</i>): Is SSB the only crystal ball in the fish market?
V:21	Geir Ottersen, Kristin Helle, and Bjarte Bogstad	Current patterns during pelagic stages determine interannual variability in length-at-age of juvenile Arcto-Norwegian cod
V:22	Helge Paulsen	Feeding and condition of juvenile cod (<i>Gadus morhua</i>). Combining experimental and field data
V:23	Withdrawn	
V:24	Marie-Joëlle Rochet	The relationship between growth and age-at-maturity in North sea cod
V:25	A.G.V. Salvanes	Effect of experience on feeding behaviour: Captive-bred cod adapt more slowly to prey encountered in a novel manner than do wild cod
V:26	Alan F. Sinclair, Douglas P. Swain, and J. Mark Hanson	Disentangling effects of size-selective mortality, density, and temperature in length-at-age of Atlantic cod (<i>Gadus morhua</i>) in the southern Gulf of St. Lawrence

V:27	M.A. St John	Biomarkers: Reducing the effects of immigration in process studies examining larval and juvenile fish growth and condition
V:28	T. Svaasand, A.M. Ajiad, V. Buehler, G.R. Carvalho, C. Clemmesen, G. Dahle, L. Hauser, W.F. Hutchinson, T. Jakobsen, O.S Kjesbu, E. Moksness, H. Otteraa, H. Paulsen, D. Schnack, P. Solemdal, and A. Thorsen	Demonstration of maternal effects of Atlantic cod: Combining the use of unique mesocosm and novel molecular techniques – Results from the first-year experiment
V:29	D. Uzars, T. Baranova, and E. Yula	Interannual variation in gonadal maturation of cod in the Gotland Basin of the Baltic Sea: influence of environment and fish condition
V:30	Uwe Waller and Thorolf Boettger	The response of young cod (Gadus morhua) to environmental gradients
V:31	N.A. Yaragina and C.T. Marshall	Interannual variation in the liver condition index of cod as an indicator of temperature and feeding conditions in the Barents Sea
V:32 Poster	A.A. Filin	Simulation of cod growth based on the food supply and water temperature data

THEME SESSION ON TRANSPORT PROCESSES IN THE NORTH ATLANTIC (W)

W:01	G. Allain, P. Petitgas, P. Lazure, and P. Grellier	The transport of anchovy larvae and juveniles across the Bay of Biscay studied using otoliths increments and a 3D-hydrodynamic model
W:02	Paula Alvarez, Julie Fives, Lorenzo Motos, and Adolfo Uriarte	Onshelf transport of hake, <i>Merluccius merluccius</i> , eggs and larvae in the NE Atlantic
W:03	Lars Asplin, Randi Ingvaldsen, Harald Loeng, and Roald Saetre	Transport routes in the western Barents Sea
W:04	Ann Bucklin, R. Sean Hill, Olafur S. Astthorsson, Astthor Gislason, and Peter H. Wiebe	Transport of planktonic copepods between Atlantic and Arctic waters near Iceland: rapid assays of genetic diversity and structure for the copepod <i>Calanus finmarchicus</i>
W:05	Hjálmar Hátun and B. Hansen	On the correlation between ADCP and CTD data in the Faroe Current
W:06	R.M. Hendry	Interannual variability in warm water inflows to the Labrador Sea
W:07	Randi Ingvaldsen, Harald Loeng, and Svein Østerhus	Large outflows from the Barents Sea
W:08	Svend Aage Malmberg, John Mortensen, and Steingrimur Jonsson	Oceanic fluxes in Icelandic waters
W:09	Thomas Mørk Madsen and Detlef Quadfasel	Dense outflow from Storfjorden during 1997

W :10	Kjell Arild Orvik and Peter P. Niller	Circulation of Atlantic water in the northern North Atlantic and Nordic Seas
W:11	A.N. Pantiulin	The White Sea: problems of water exchange, water structure formation, and ecology
W:12	Jan Piechura, T. Petelski, S. Wozniak, and R. Osinski	Heat and salt fluxes in the West Spitsbergen Current in summer time
W:13	John Read and Ken Medler	New advice on Speed Sensor Calibration from tow-tank tests of Aanderaa RCM8 Instruments
W:14	T. Rossby, A. Bower, P. Richardson, M. Prater, and H. Zhang	The role of the mid-Atlantic ridge in constraining the mean circulation and eddy kinetic energy field on the 27.5 sigma-t surface in the northern North Atlantic
W:15	Bert Rudels, E. Peter Jones, Ursula Schauer, and Patrick Eriksson	Two sources for the lower halocline in the Arctic Ocean
W:16	Roald Sætre and Harald Loeng	B. Helland-Hansen and F. Nansen's investigations in the Norwegian and Barents Seas 100 years ago – are their results still valid?
W:17	Ricardo F. Sánchez, and Paulo Relvas	Volume transports in the upper layer west of Cape São Vicente, SW Portugal
W:18	Svein Sundby	On the mechanisms behind salinity anomaly signals of the northern North Atlantic
W :19	Vigdis Tverberg, V. Pavlov, E. Hansen, and J. O'Dwyer	Decadal trends in exchange of heat, salt, and deep water between the Arctic Ocean and the Nordic Seas
W:20	A. Uriarte, Y. Sagarminaga, C. Scalabrin, V. Valencia, P. Cermeño, E. de Miguel, J.A. Gomez Sanchez, and M. Jimenez	Ecology of anchovy juveniles in the Bay of Biscay 4 months after peak spawning: Do they form part of the plankton?
W:21	A.S. Zezera	Main features of the South-Eastern Baltic Sea hydrological regime in 2000 and the latest retrospectives
W:22	Paulo Relvas and E.D. Barton	Upper ocean circulation in the Cape São Vicente (Iberian Peninsula) region: the coastal counter current
W:23 Poster	Edward J. Chesney, Kenneth L. Riley, and Terrence R. Tiersch	Defining the role of gamete quality in the production of viable fish larvae: Results with red snapper (<i>Lutjanidae</i>)
W:24 Poster	Ute Ernst and C. Boening	Response of the subpolar North Atlantic circulation to local changes in the Nordic Sea overflows
W:25 Poster	Sylvi Vefsnmo and Thomas McClimans	Simple algorithms for coastal water pileup with downwelling winds
W:26 Poster	Sylvi Vefsnmo and Thomas McClimans	Monitoring the Atlantic inflow toward the Arctic

THEME SESSION ON SUSTAINABLE DEVELOPMENT AND CONSERVATION OF NATURAL RESOURCES OF THE COASTAL ZONE (Y)

Y:01	Hans Ackefors and Christer Olburs	Management of fish resources in two different city archipelagos
Y:02	Trine Bekkby, Lars Erikstad, and Vegar Bakkestuen	A landscape ecological approach to marine coastal zone applications
Y:03 Poster	E. Cagigas, G. Blanco, E. Vázquez, and J.A. Sánchez	Aquaculture impacts: genetic interactions between domesticated and wild fish
Y:04	Per Dolmer	Sustainable production of mussels in Denmark
Y:05	M.V. Feldman	The ecosystem approach in application to management of coastal zones of the South-Eastern Baltic
Y:06	Carlo Franzosini, R. Odorico, M. Spoto, M. Tempesta, P. Guglielmi, M.A. Thili, and S. Ciriaco	A GIS approach for marine conservation areas in the Mediterranean Ecoregion
Y:07	E.D. Houde and S.J. Roberts	Marine protected areas and fishery management in the coastal ocean: A US perspective
Y:08	Tor Henning Jørgensen	Coastal zone planning and local participation – detailing ICZM
Y:09	Laura Recasens, Montserrat Demestre, and Pilar Sánchez	Do artificial reefs improve artisanal fisheries production?