

2008/3/MHC01 A “**European Marine Sand and Gravel Group (EMSAGG) Conference**” will be held on 5–6 February 2009, at Rome, Italy with Kristina Gamst, United Kingdom, as Convener.

ICES will co-sponsor the event together with EMSAGG and CIRIA. The conference is partly sponsored (through hosting) by Arenaria SRL. EMSAGG is currently seeking further co-sponsorship for the event.

A Scientific Steering Group will be established with members nominated by relevant Working Groups or other relevant ICES bodies from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium. In consultation with the Conveners, the ICES Secretariat will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority:	High priority for ICES involvement in the OSPAR activities on sand and gravel extraction and its expected involvement in the EU spatial planning activities.
Scientific justification and relation to ices strategic plan:	<p>The symposium will provide participants with the opportunity to gain an understanding of the latest issues and technologies for marine sand and gravel in Europe and around the globe as well as getting latest information concerning policy, planning and research.</p> <p>The symposium provides a platform for networking, sharing information, and gaining insight to the views from different stakeholders.</p>
Resource requirements:	
Participants:	Representatives from national governments, aggregate and dredging companies, regulators, conservation bodies, marine aggregate users, research institutes and academics.
Secretariat facilities:	Co-sponsor, ICES staff attendance in the event, ICES exhibition stand at the event
Financial implications:	<p>The suggested level of sponsorship is from €3000 plus.</p> <p>ICES staff attendance in the event.</p>
Linkages to advisory committees:	ACOM
Linkages to other committees or groups:	WGEXT, WGICZM, MHC
Linkages to other organizations:	OSPAR, HELCOM
Publication of proceedings:	JMS not requested

2008/3/OCC02 A **2009 International Nutrients Scale System (INSS) International Workshop** will be held during 10–12 February 2009, at UNESCO Headquarters, Paris, France with Michio Aoyama as principal convener.

Organizers: Michio Aoyama, Meteorological Research Institute, Japan; Andrew Dickson, University of California at San Diego, Scripps Institution of Oceanography, USA; David Hydes, National Oceanography Centre, UK; Akihiko Murata, JAMSTEC, Japan; Jae Oh, IAEA Marine Environment Laboratories, Monaco; Patrick Roose, QUASIMEME, Wageningen, the Netherlands; Malcolm Woodward, Plymouth Marine Laboratory, UK.

The organizers are currently seeking further co-sponsorship for the event.

A Scientific Steering Group will be established with members nominated by relevant Working Groups or other relevant ICES bodies from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium. In consultation with the Conveners, the ICES Secretariat will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority:	High, especially since there is no ICES expertise currently on primary production and nutrients while international cooperation is ongoing.
Scientific justification and relation to ices strategic plan:	Global comparability of nutrients data is essential in marine science as well as in studies of global climate change. An international workshop on chemical reference materials in ocean science was held in 2007 in Japan, and it was agreed to continue international cooperation with the aim to advance international collaboration to establish global comparability of nutrients data in the world ocean. An international nutrients scale system (INSS) was agreed as the appropriate way to achieve this goal.
Resource requirements:	
Participants:	A wide geographical range of participation can be expected.
Secretariat facilities:	Co-sponsor; ICES staff attendance in the event.
Financial implications:	Permission to use ICES logo on the web page and in supporting publications, identifying ICES as a sponsor. Sponsoring external professionals to attend the workshop: US\$1500-3000.00/each. ICES staff attendance in the event
Linkages to advisory committees:	ACOM
Linkages to other committees or groups:	ICES Data Centre, WGMS, WGSAM, WGHABD, OCC
Linkages to other organizations:	OSPAR, HELCOM
Publication of proceedings:	JMS not requested

2008/3/OCC03 An **ICES-GLOBEC Symposium on “Marine Ecosystems: from function to prediction”** will be held from 22–26 June 2009, at Victoria, British Columbia, Canada with Manuel Barange and other scientists as Conveners.

ICES will co-sponsor the Symposium with GLOBEC, USA-NSF and PICES. GLOBEC is soliciting co-sponsorships with a number of potential contributing international and national bodies.

A Scientific Steering Group will be established with members nominated by relevant Working Groups or other relevant ICES bodies from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium. In consultation with the Conveners, the ICES Secretariat will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority:	High. The symposium is the concluding event of a long-standing, international, high profile research programme in which ICES was involved directly. ICES should take a prominent position in follow-up activities, especially in the light of feeding the results into the AR5 of the IPCC due in 2012. There is strong linkage to the new science plan.
Scientific justification and relation to ices strategic plan:	The Symposium will reinforce existing relationships with other organizations and institutions by providing a forum for scientists from the 29 countries involved in GLOBEC to offer their conclusions; in particular the synthesis work from the regional programmes, including ICES/GLOBEC Cod and Climate Change project and the ICES/GLOBEC Working Group on Life Cycle (WGCCC) and Ecology of Small Pelagic Fish (WGLESP).
Resource requirements:	ICES has been invited to send a representative to the meeting to receive a proper acknowledgement from GLOBEC for its significant role in shaping the programme and for the invaluable scientific contributions of ICES scientists.
Participants:	Scientists from 29 countries.
Secretariat facilities:	Co-sponsor; ICES representative at the meeting
Financial implications:	GLOBEC has requested a contribution in the order of €10.000 from ICES as a co-sponsor to cover specific costs such as publication of abstract books, invited speakers. Attendance in the Symposium by Secretariat staff
Linkages to advisory committees:	ACOM
Linkages to other committees or groups:	WGCCC, WGLESP, OCC, LRC
Linkages to other organizations:	IOC, GOOS
Publication of proceedings:	JMS not requested

2008/3/MHC04 The **Sixth International Conference on Marine Bioinvasions** will be held from 24–27 August 2009, in Portland, Oregon, USA, with Judith Pederson (US), Gil Rilov (US), and Mark Sytsma, (US) as Conveners.

ICES will co-sponsor the Symposium with **NOAA/Sea Grant** and the **North Pacific Marine Science Organization (PICES)**, **Woods Hole Oceanographic Institute Marine Policy Center together with MIT Sea Grant College Program** and **The Aquatic Bioinvasions Research and Policy Institute**.

A Scientific Steering Group has been established, consisting of Jeb Byers, University of Georgia, Gil Rilov, Oregon State University, Whitman Miller, Smithsonian Institution, Lisa Drake, SAIC/Naval Research Laboratory, Jeff Crooks, Tijuana River NERR, Mark Sytsma, Portland State University, Yoon Lee, National Fisheries R&D Institute (Busan, South Korea), Chela Zabin, Smithsonian Institution & UC-Davis

Supporting Information

Priority:	High. Invasive species are now considered one of the most important and critical agents of change in the ocean – economically, environmentally, and evolutionarily. Invasions have resulted in profound challenges in understanding the rapidly shifting structure of nearshore (and, increasingly, offshore) communities and ecosystems. Equally challenging have been the growing management needs for preventing, detecting, and controlling invasive species. There is strong linkage to the new science plan.
Scientific justification and relation to ices strategic plan:	<p>Scientific understanding is needed to identify, control, and prevent marine bioinvasions. Transport and introduction of non-indigenous species is a world-wide conservation issue and also represents a fascinating scientific challenge requiring new approaches and techniques. The ICES scientific community has a great deal to contribute on this issue, and there are genuine opportunities for partnership with researchers associated with other organizations and programs, including PICES and NOAA Sea Grant.</p> <p>The major themes of this symposium are:</p> <ul style="list-style-type: none"> • Ecological and evolutionary impacts, including potential shifts with global change • Predicting the scale and diversity of invasions in the face of global change • Measuring and predicting spread on regional and global scales • Invasion patterns over time and space: does the past predict the future? • Advances in detection, identification and tracking-to-origin capabilities • Management, rapid response, eradication and restoration <p>The proposal is for a four-day meeting with a limited number of invited keynote/plenary speakers, who will provide perspective, insight, and challenges to the participants. Presentations selected from submitted abstracts will include about 80 20-minute talks. Presenters will be asked to submit papers for publication in a special issue of the ICES Journal of Marine Science.</p>
Resource requirements:	<p>Costs include: conference room rentals, welcome reception, conference dinner, catering for meals and breaks, travel aid for students, early career scientists and invited speakers, webmaster support, secretarial assistance, an event organizer, abstract book, complementary bag, publication of proceedings, a workshop on bioinvasions and climate change, and field trips.</p> <p>We ask ICES to support:</p> <p>A workshop on bioinvasions and climate change Hiring an Event organizer Bringing early career scientists Publishing an abstract book Publication in IJMS</p>
Participants:	All stakeholder groups will be invited to participate, including researchers, coastal ocean managers, industry representatives (mariculture, marine transportation, and others). We will invite educators and outreach professionals, to address the need for public education on this issue.
Secretariat facilities:	The Secretariat will be required to support the development of this symposium.

Financial implications:	The conveners (members of the Scientific Steering Committee) will, with the assistance of the Secretariat, approach funding agencies for support. NOAA Sea Grant, the North Pacific Marine Science Organization (PICES), Woods Hole Oceanographic Institute Marine Policy Center together with MIT Sea Grant College Program, and The Aquatic Bioinvasions Research and Policy Institute have pledged partial support.
Linkages to advisory committees:	–
Linkages to other committees or groups:	MHC, MARC, OCC
Linkages to other organizations:	PICES, MIT Sea Grant, NOAA Sea Grant
Publication of proceedings:	ICES Journal of Marine Science

2008/3/LRC05 A Cephalopod International Advisory Council, CIAC '09 symposium on “*The effects of environmental variability on cephalopod populations*” will be held from 3-11 September 2009, in Vigo, Spain, with Ángel Guerra. Instituto de Investigaciones Marinas (IIM, CSIC, Vigo), Ángel F. González (IIM, CSIC, Vigo), Santiago Pascual (IIM, CSIC, Vigo), María Teresa Fernández. Ecobiomar (IIM, CSIC, Vigo), Francisco Rocha. Dpto. de Ecología y Biología Animal. Univ. de Vigo, Jesús S. Troncoso. Dpto. de Ecología y Biología Animal. Univ. de Vigo.as Conveners.

A Scientific Steering Group will be established with members nominated by relevant Working Groups from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium.

Supporting Information

Priority	High priority for ICES. CIAC activities cover fisheries activities currently not under the regime of the DCR.
Scientific justification and relation to ICES strategic plan	The main topic of this symposium is The effects of environmental variability on cephalopod populations. Other areas include Systematics, Biogeography and Biodiversity, Genetics, Assessment and Management and Life History. The symposium will be preceded by four workshops: i) Recent advances in age, growth and production estimations in cephalopods; ii) Cephalopod trophic relationships; iii) Review of the ecology of cephalopod pelagic wild paralarvae; and iv) Assessment of cephalopod species for inclusion in the IUCN Red List of Threatened Species. Cephalopods support important fisheries in the ICES area. However, they remain outside the scope of the European Community's Common Fisheries Policy and understanding of stock dynamics, particularly in European coastal waters, remains heterogeneous. The scientific presentations we expect in CIAC'09 will be an excellent support to the work of the ICES WGCEPH, which is of high priority to ICES because cephalopods are an important component of marine ecosystems. The symposium will signify a particularly interesting forum to offer an update of the knowledge of this group of marine molluscs of both ecological and commercial importance. Some of the topics, like The effects of environmental variability on cephalopod populations and genetics have a great potential to open a new field of marine science.
Resource requirements	None for ICES
Participants	Expected number of participants from ICES member countries some 150, from other countries some 100
Secretariat facilities	CIAC'09 has its own Secretariat dealing with all the aspects related to the meeting.
Financial implications	The cost of a special issue of the ICES Journal of Marine Science and a contribution towards the guest keynote speakers.
Linkages to advisory committee	ACOM through WGCEPH and CIAC
Linkages to other committees or groups	LRC, OCC, RMC, MHC, MCC
Linkages to other organizations	Renovable Resources Assessment Group. Imperial College.UK. David Agnew
Publication of proceedings	The conveners plan to use the ICES Journal of Marine Science for the publication of the selected papers presented in the symposium under the topic: The effects of environmental variability on cephalopod populations. The conveners do not expect to exceed 250 pages. The conveners of CIAC'09 Symposium propose Dr. Graham J. Pierce and/or Dr. Louise Allcock as guest editor (s). The conveners agree with the 15-month turn around schedule for publication. Conveners are also very willing to meet all requirements of ICES for publishing in that Journal; e.g. any costs for copy-editing or in-house editorship, assistance with scientific peer-review, etc.

2008/3/OCC06 A Symposium on “Carrying Capacity what does it mean in a Changing Ocean?” will be held during [xx-xx/xx/ 2010], at Lisbon, Portugal, with Maria Fatima Borges (Portugal), Jake Rice (Canada), and Skip McKinnel (PICES) as Conveners.

A Scientific Steering Group will be established with members nominated by relevant Working Groups or other relevant ICES bodies from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium. In consultation with the Conveners, the ICES Secretariat will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority	High priority for ICES strategic plan- Linking across Advisory and Science Committees.
Scientific justification and relation to ICES strategic plan	<p>Scientific studies being undertaken to support ecosystem approach to fisheries management and to understand and forecast the effects of climate change on marine ecosystems both are drawing on a number of basic ecological concepts. One such concept present explicitly or implicitly in a very wider range of such scientific studies is carrying capacity.</p> <p>It may be present as density dependant feedback on a population dynamics process, as the feature of environmental regime that shifts, as the feature of an ecosystem showing a long term trend in response to climate, or as the ecosystem feature degraded by a human activity. However in one form or another, the notion of a carrying capacity is pervasive.</p> <p>For a concept that is so widespread in ecological studies “carrying capacity” is actually not well defined consistently.</p> <p>We propose a Symposium- to look at the concept of carrying capacity. It will attempt to clarify what the concept actually means by:</p> <p>Considering how advance, regime shifts and long term trends in ecosystem status are measured and reflected in ecosystem properties, and if the notion of a “carrying capacity” is helping and is necessary in quantifying and understanding such ecosystem trends.</p> <p>Considering how density dependent feedback operates in species and size based models and the extend to which the existence of a carrying capacity limit underlying such feedback.</p> <p>The intent to review consistencies and differences in these and other uses of carrying capacity in marine ecological studies.</p> <p>Results would be important for:</p> <p>Indicators of ecosystem status</p> <p>Modelling of population and ecosystem dynamics</p> <p>Developing ecosystem approaches to fisheries and other management tasks</p>
Resource requirements	Costs request to bring early career scientists, invited speakers, ICES conveners; conference room rentals; welcome reception; fly adverts; book of abstracts.
Participants	It is expected about 50 participants from ICES member and other countries outside
Secretariat facilities	One person of secretariat is requested to be involved
Financial implications	It is requested to ICES funding of 10000 Euros as maximum.
Linkages to advisory committees	Linkage to ACOM management plans
Linkages to other committees or groups	OCC, LRC, RMC, MHC
Linkages to other organizations	PICES and GLOBEC
Publication of proceedings	The Conveners plan to use the ICES Journal of Marine Science for the proceedings. The Conveners will be the guest editors who agree to the 15-month turnaround schedule for publication, on the IJMS.

2008/3/OCC07 A Symposium on “**Hydrobiological and ecosystem variability in the ICES area during the first decade of the XXI century**” will be held during [spring/summer 2011], in Santander, Spain with Alicia Lavín (IEO) as local organizer and Conveners to be named (tentatively Ken Drinkwater IMR Bergen, possibly someone from NAFO).

An *ad hoc* organizing committee has been established within Working Group on Oceanic Hydrography; a Scientific Steering Group to assist the Conveners in planning the Symposium will be created including WGOH representation and individuals from relevant ICES bodies and the ICES network of research institutes.

Supporting Information

Priority	High. Decadal and multidecadal variability has turned out to be key drivers of changes in the ocean affecting the variability of living resources. There is strong linkage to the new science plan.
Scientific justification and relation to ICES strategic plan	<p>ICES is convinced of the importance of oceanic climate in North Atlantic ecosystems and has sponsored a related series of Decadal symposia. Climate variability has strong influence in hydrography and circulation, water properties such as nutrients and pH, and biology at all levels of the food web including fisheries. Related ecosystem changes have already been detected in the closing years of the XX Century and the start of the XXI.</p> <p>The ICES Report on Oceanic Climate (IROC) produced by the Working Group Oceanic Hydrography (WGOH) has shown a continued warming trend in most of the reporting areas. Recent changes in physical and chemical conditions would be expected to have an effect on all components of the ecosystem from plankton to fish in terms of distribution, abundance and phenology. Some direct effects in the marine environment are already visible, but others need to be defined by enhanced observations, analysis and modelling.</p> <p>Comparison of this decade to previous ones will help illuminate cycles, changes and tendencies in the environment and ecosystems.</p> <p>In the last decade, a large number of workshops and individual studies have taken place. It is timely to attempt a synthesis of results from the North Atlantic and to compare the most-recent decade to previous decades.</p> <p>This Symposium will examine the causes and processes behind the observed changes. Contributions from all disciplines affected by climate change are welcome.</p> <p>The symposium fulfils all the ICES scientific objectives, but especially 1, 2, 4 and 5.</p>
Resource requirements	Organizing a symposium entails significant resource requirements. Some of these will be met by the imposition of a Conference Fee. ICES is to support the Symposium as indicated below. Outside support will also be sought.
Participants	This Symposium will attract a diverse community of scientist from ICES. We also expect interest among other institutions and countries around the North Atlantic concerned with the diverse effects of ocean climate variability.
Secretariat facilities	The Secretariat will be involved as normal in general professional and secretariat support, and the Secretariat as usual should provide direct assistance during the Symposium.
Financial implications	10,000 € is requested from ICES to help fund the Book of Abstracts, rent of conference facilities, travel and subsistence of keynote speakers or ICES conveners and/or support for early career scientists. ICES is also asked to cover the publication of a special issue of the ICES Journal of Marine Science.
Linkages to advisory committees	This Symposium could benefit from synergies with ICES Advisory Committee (ACOM).
Linkages to other committees or groups	This Symposium could benefit from synergies with other ICES Committees such as Living Resources, Baltic, Resource Management and Marine Habitat Committees, ICES-GOOS and the ICES/GLOBEC office. If CONC is in agreement we propose to approach NAFO as a possible co-sponsor.
Linkages to other organizations	The Symposium has relevance for the interests of OSPAR, NAFO, IGBP and other programmes related with climate variability and change.
Publication of proceedings	Conveners propose the use the ICES Journal of Marine Science for the proceedings, The size of the volume is unknown at present.

2008/3/OCC08 The 5th **International Zooplankton Production Symposium** will be held during March or April 2011, at Pucon, Chile with Ruben Escribano as local organizer and Delphine Bonnet (France) as ICES convener, together with conveners appointed by PICES and IMBER (contacts with both institutions are initiated)

A Scientific Steering Group will be established with members nominated from ICES, PICES and other international bodies and research institutes in order to assist the Conveners in planning the Scientific programme of the Symposium.

Supporting Information

Priority	High. There is strong linkage to the new science plan and results may well be available to find entry to the AR5 of the IPCC due in 2012.
Scientific justification and relation to action plan	<p>Zooplankton communities are essential intermediaries between primary producers and higher trophic levels. They play a key role in biogeochemical cycling and fluxes throughout the water column. They are affected by and sensitive to natural and anthropogenic environmental changes and so understanding their response to climate change is fundamental to ecosystem management. The 5th symposium will provide an international forum for new developments in plankton research and a review of the status of zooplankton populations at the basin scale.</p> <p>The first 3 symposia were held in Europe and the most recent was held in Japan. At the end of the 4th symposia, the Chilean scientists proposed that the 5th one be held in Chile. These symposia have benefited from the strong links developing between ICES and PICES. At the end of the GLOBEC program internationally, the sponsorship by IMBER is appropriate. The increasing need and opportunity for knowledge synthesis, coupled physical/biological models, database developments, and comparative studies are global in nature. ICES has a key role to play and much to contribute in such global developments.</p> <p>These symposia have become a major event with a significant effect on the direction and effectiveness of plankton research worldwide. The publications resulting from the symposia in the ICES Journal of Marine Science have had broad impact. In supporting these symposia ICES gains influence and considerable prestige and opportunities for extending collaborations and participation in the global efforts to advance and integrate plankton biology.</p>
Resource requirements	Organizing a symposium entails significant resource requirements, some of these will be met by the imposition of a Conference Fee. ICES is requested to support the Symposium as indicated below. Outside support will also be sought.
Participants	This Symposium will attract a diverse community of scientist from ICES, but also from other institutions and countries around the World. In the last two editions, the total number of participants exceed 350 delegates.
Secretariat facilities	The Secretariat will be involved as normal in general professional and secretariat support, and the Secretariat as usual should provide direct assistance during the Symposium.
Financial	10,000 € is requested from ICES to help fund the Book of Abstracts, rent of conference facilities, travel and subsistence of keynote speakers or ICES conveners and/or support for early career scientists. ICES is also asked to cover the publication of a special issue of the ICES Journal of Marine Science.
Linkages to advisory committees	This Symposium could benefit from synergies with ICES Advisory Committee (ACOM).
Linkages to other committees or groups	This Symposium could benefit from synergies with other experts groups within the SciCom.
Linkages to other organizations	The Symposium has relevance for the interests of PICES, IMBER, IGBP, CoML, etc.
Publication of proceedings	Conveners plan to use the ICES Journal of Marine Science for the proceedings, the expected number of pages of this volume are 250.

Symposium Resolutions agreed by SCICOM by correspondence in April 2009

2009/3/SCICOM01 A symposium on “**Climate Change Effects on Fish and Fisheries: Forecasting Impacts, Assessing Ecosystem Responses, and Evaluating Management Strategies**” will be held from 26–29 April 2010, in Sendai, Japan, with local arrangements made by the Fisheries Research Agency of Japan (FRA). The Symposium will be convened by Drs. Anne Hollowed (United States), Manuel Barange (United Kingdom), Shin-ichi Ito (Japan), Suam Kim (Republic of Korea), and Harald Loeng (Norway).

A Steering Committee will be established with members selected from the newly formed joint ICES/PICES Working Group on Forecasting Climate Change Impacts on Fish and Shellfish (WG-FCCIFS) who will assist the Conveners in planning the Symposium.

Supporting Information

Priority:	This symposia is seen as an urgent priority because there is a global need for information on the potential impacts of climate change on the production, distribution and resilience of marine fish and shellfish to a changing climate. A key element of the symposium will be the assimilation of published papers providing state of the art techniques for making quantitative projections of the expected impacts and the associated uncertainties. The volume of papers will provide a worldwide perspective on the potential threat of climate change to the world's marine food supply, and marine ecosystems and the associated uncertainties in these projections. Some papers will evaluate the performance of marine resource management strategies under changing environmental conditions.
Scientific justification and relation to ICES Strategic Plan	<p>There is growing consensus that climate change is likely to have lasting impacts on marine ecosystems. Quantitative forecasts of the potential impact of these changes are needed to provide ecologists, commercial stakeholders, natural resource managers the best available information for decision making. In response to this need, interdisciplinary research teams have been formed around the world to attempt to develop ecological models to forecast future ecosystem conditions. To facilitate the advancement of this critical research, ICES and PICES formed the working group on Forecasting Climate Change Impacts on Fish and Shellfish (WG-FCCIFS). The WG-FCCIFS proposed this symposium because it will provide a unique forum for scientists involved in climate change research to offer their conclusions.</p> <p>The symposium will comprise of workshops/theme sessions, plenary and poster sessions. We envision a 3.5-day symposium (from Mon., April 26 till noon of Thurs., April 29), with the day preceding the symposium (Sun., April 25) set aside for associated workshops/meetings that may be requested and 0.5 day after the symposium (Thurs. afternoon, April 29) for a meeting of the PICES/ICES Working Group (WG-FCCIFS) to discuss next steps, including the publication of a special issue.</p> <p>The symposium will be comprised of plenary and parallel theme sessions and workshops. We expect to hold plenary sessions on Day 1 (Apr. 26) and Day 4 (Apr. 29) and 2 parallel sessions scientific sessions on Days 2 (Apr. 27) and on Day 3 (Apr. 28). Themes for the plenary and parallel sessions will be developed by the symposium convenors.</p> <p>We expect up to 200 scientists.</p>
Resource requirements:	We request that ICES co-sponsors this Symposium with PICES. There will be significant resource requirements, some of which will be met by the imposition of a Conference Fee. We also request that ICES publishes the proceedings of this symposium in a special issue of the ICES Journal of Marine Science.
Participants:	A interdisciplinary group of participants from ICES and PICES member countries can be anticipated. This meeting will include scientists from around the world.
Secretariat facilities:	The Secretariat will share the general professional and secretarial support, and the Secretariats from PICES and ICES will provide direct assistance during the Symposium .
Financial implications:	The attendance of one or two Secretariat staff at the Symposium, in addition to the presence of the General Secretary/President is desirable in recognition of the significance of the topic. In addition, we request 10,000 Euro to support the event. We also request that ICES publishes the proceedings of this symposium in a special issue of the ICES Journal of Marine Science.

Linkages to advisory committees:	The proposal originates from WG-FCCIFS and the (former) ICES Oceanography Committee.
Linkages to other committees or groups:	The results of this symposium in conjunction with the products of WG FCCIFS on impacts and forecasting are likely to contribute to a widening of the EAM and would ultimately improve the advisory capacities of ICES. This project is responsive to the new ICES science plan which lists among its 16 top priorities, Climate Change Processes and Predictions of Impacts.
Linkages to other organizations:	The topic of this symposium has very close relevance to the interests of PICES who already decided to co-sponsor the Symposium.
Publications of proceedings:	We plan to publish the proceedings of the symposium in a special issue of the ICES Journal of Marine Science. Members of the symposium organizing committee will serve as guest editors for the proceedings.
Secretariat marginal cost share:	The costs for this meeting will be shared with PICES. In addition the Fisheries Research Agency of Japan (FRA) agreed to host the Symposium, and will contribute 1.5 million JPY (~\$15K–16K US) for this event. It was also confirmed that Prof. Yashuhiro Yamanaka (Hokkaido University) will contribute another \$15K US from his project. Local arrangements will be made by FRA (Dr. Ishida, the director of the Tohoku National Fisheries Research Institute of FRA, will act as the Chairman of the Local Organization Committee)

2009/3/SCICOM02 A Symposium on "Ecosystems 2010: Global Progress on Ecosystem-based Fisheries Management" will be held during fall 2010, at Anchorage, USA, with Gordon H. Kruse, University of Alaska Fairbanks (Chair), Kevern Cochrane, Food and Agriculture Organization, United Nations, Patricia A. Livingston, National Marine Fisheries Service (US), Chang-Ik Zhang, PICES (North Pacific Marine Science Organization), Douglas Woodby, Alaska Department of Fish and Game (US), Diana Evans, North Pacific Fishery Management Council, Glen S. Jamieson, Department of Fisheries and Oceans Canada, TBA, International Council for the Exploration of the Sea as Steering Committee.

The symposium is part of the University of Alaska Fairbanks' Lowell Wakefield Symposium series.

Supporting Information

Priority	ICES is committed to implementing the Ecosystem Approach to management of human activities
Scientific justification and relation to ICES strategic plan	<p>Since the 1990s, fisheries managers have been advised to broaden their scope of awareness beyond single-species considerations owing to (FAO 2003):</p> <ul style="list-style-type: none"> • General poor performance of single-species fishery management worldwide • Heightened awareness of interactions among fisheries and ecosystems • Better understanding of the functional value of ecosystems to humans • Recognition of the wide range of societal objectives associated with marine fishery resources and ecosystems <p>As a result, fisheries management has been shifting toward an ecosystem-based fisheries management (EBFM), also called an ecosystem approach to fisheries (EAF). An EAF strives to balance diverse societal objectives by taking into account the knowledge and uncertainties of biotic, abiotic, and human components of ecosystems and their interactions and applying an integrated approach to fisheries within ecologically meaningful boundaries (Garcia <i>et al.</i> 2003).</p> <p>Considerable progress has been made by PICES, ICES, and other regions (e.g., Australia). It is time to undertake a comprehensive review of progress to date, examine case studies of successes and failures, and consider progress toward definition of operational objectives, successful new institutional arrangements, practical ecoregion definitions, appropriate analytical tools, and pragmatic approaches toward implementation.</p> <p>The goals of Ecosystems 2010 are to (1) evaluate global progress toward Ecosystem-based Fisheries Management, by reviewing regional case studies, development of new analytical tools and practical approaches toward future progress, and (2) offer explicit, practical advice for future progress in EBFM implementation.</p>
Resource requirements	Conference Fee and major contributions from other sponsors in addition to PICES and FAO are expected to cover expenses: Alaska Sea Grant, North Pacific Fishery

	Management Council, U.S. National Marine Fisheries Service, Alaska Department of Fish and Game
Participants	Participants are expected from the North Pacific science community, ICES co-sponsorship is expected to bring in significant participation from the North Atlantic science communities.
Secretariat facilities	Facilities may be shared between ICES and PICES, no direct participation is expected from ICES.
Financial implications	ICES funding may cover Book of Abstracts and travel and subsistence of keynote speakers or ICES conveners, and support for early career scientists. Up to 4,000 Euros will be provided.
Linkages to advisory committees	The symposium topic is directly related to the remit of the ICES Advisory Committee.
Linkages to other committees or groups	Linkages to WGFS and other groups under the former RMC.
Linkages to other organizations	PICES, FAO and regional organizations are co-sponsors.
Publication of proceedings	Planned for the Alaska Sea Grant publications series.

2009/3/SCICOM03 The “**3rd International Symposium on Research and Management of Eutrophication in Coastal Ecosystems**” (**Eutro2010**)” will be held during June 2010, in Nyborg, Denmark with Anna-Stiina Heiskanen (SYKE, Finland), Kari Nygaard (NIVA, Norway), Sif Johansson (DG ENV / Swedish EPA), Jacob Carstensen (NERI, Denmark), Suzanne Bricker (NOAA, USA), Andris Andrusaitis (BONUS, Finland), Stephen Malcolm (CEFAS, UK), Jesper Andersen (DHI, Denmark) and Jørgen E. Larsen (DHI, Denmark) as Conveners.

A Scientific Steering Group will be established with members nominated by relevant Working Groups or other relevant ICES bodies from among the ICES network of research institutes in order to assist the Conveners in planning the Symposium. In consultation with the ICES Secretariat, the Conveners will solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority	Eutrophication is still an issue in ICES coastal waters especially in the context of the water framework directive and the marine strategy related development of indicators for good environmental status in which ICES is involved.
Scientific justification and relation to ICES strategic plan	<p>The symposium accentuates current science activities in ICES and is likely to produce science relevant to the needs of ICES environmental advice. The topic matches with ICES Strategic Plan, item “Population and community level impacts of contaminants, eutrophication, and habitat changes in the coastal zone”, although it will likely focus on eutrophication itself.</p> <p>The overarching objective for the symposium are: (1) to present the most recent research on eutrophication in coastal ecosystems, and (2) to bridge between scientists and decision-makers.</p> <p>The themes of the symposium are anticipated to focus on presentation and discussion of:</p> <ol style="list-style-type: none"> 1. Existing knowledge in relation the coastal eutrophication 2. The most recent scientific results in relation to a number of specific issues: <ol style="list-style-type: none"> a. Definition(s) and causes, b. Nutrient loads, cycling, and limitation, c. Reference conditions, primary effects, and secondary effects, d. Links to other pressures than nutrient loads (climate change and top/down control). 3. Monitoring and modelling of coastal eutrophication. 4. Adaptive and knowledge-based nutrient management strategies. <p>The majority of presentations will have direct relevance for development of knowledge-based nutrient management strategies such as the EU WFD, EU MSFD, and the HELCOM BSAP.</p>
Resource requirements	The conference fee will cover a large part of the expected costs. Additional funding will be provided by a range of co-sponsors, such as the Danish Ministry of the Environment, NMR, NOAA, and SEPA. Other contributions have been requested.
Participants	The symposium is expected to be attended by 250-300 participants. Two third is

	<p>envisaged to have a scientific background, one third is envisaged to have a background in “nutrient management” (WFD, MSFD, BSAP, etc.).</p> <p>The majority of participants is anticipated to come from Europe (60%), North America (30%), and Asia (5%). Participants from Africa, Australia and South America are also expected, but constituting less than 5%.</p>
Secretariat facilities	<p>The ICES Secretariat is expected to: (1) join the Scientific Steering Group, (2) support the symposium financially (see proposal below), (3) present ICES by setting up an exhibition/booth, and (4) perhaps to make an oral presentation on the role of ICES in regard to linking science and management of coastal eutrophication (pending a final decision by the Scientific Steering Group).</p>
Financial implications	<p>The Conveners (DHI) have been seeking sponsors for a while. Some institutions have already accepted, while others are still considering. Based on earlier experience, we expect to attract a total co-funding in the order of 1,0 mio. DKK. However, ICES is suggested to consider funding of travel and subsistence of keynote speakers or ICES conveners. An amount in the order of up to 4,000 Euros will be provided.</p>
Linkages to Advisory Committee	<p>There is potential for linkages to the activities in environmental advice, especially in regard to ICES environmental advice to regional marine conventions (HELCOM and OSPAR) and EU (MSFD).</p>
Linkages to other committees or groups	<p>The symposium topic is directly related to the remit of ICES Expert Groups under the former Marine Habitat Committee, such as WGMS, MCWG, WGICZM.</p>
Linkages to other organizations	<p>OSPAR, HELCOM and the Coastal and Estuarine Research Federation (CERF, USA).</p>
Publication of proceedings	<p>Proceedings will be published by Estuaries & Coasts (ESCO, the CERF journal published by Springer) for the symposium proceedings. The proceedings are, based on experiences from the two first symposia (1993 proceedings published in Ophelia and 2006 proceedings published in Hydrobiologia) expected to exceed 250 pages. The proceedings will be funded via the registration fee and sponsors. Three guest editors will be appointed, two with a scientific background and one with a management background.</p>