

Resolutions for ICES-sponsored symposium

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1 Symposium on “The threat of plastic to Sub-Arctic and Arctic ecosystems”

2018/3/HAPISG01

A symposium “**The threat of plastic to Sub-Arctic and Arctic ecosystems**” will be held during 21–23 April 2020 in The Conference Centre Harpa, Reykjavik, Iceland), Iceland. The Icelandic Ministry of Foreign Affairs, The Icelandic Ministry of the Environment and Resources, The Icelandic Ministry of Industry and Innovation, The Marine and Freshwater Research Institute, The Nordic Council of Ministers and ICES will be principal sponsors.

During 2019–2021 Iceland will hold the chairmanship of the Arctic Council and in the Nordic Council of Ministers in 2019. Already it has been decided that Iceland’s 3-year chairmanship program (2019-2021) in both organizations will have emphasis on oceanic matters and with one of the focusing issues being plastic in Arctic and Sub-Arctic marine ecosystems. To deal with that issue an international symposium with the tentative title “The threat of plastic to Arctic and Sub-Arctic in marine ecosystems” is being organized to take place during 21–23 April 2020.

Conveners are Hrönn Jörundsdóttir, Matis, Reykjavik, and Thomas Maes, Centre for Environment, Fisheries and Aquaculture Science, Lowestoft. Further a scientific steering group is to be established following discussion with relevant research institutes, universities and the main sponsoring bodies. The local organizing committee constitutes Magnus Johannesson, The Icelandic Ministry of Foreign Affairs; Olafur S. Astthorsson and Eydís S. Eiríksdóttir, The Marine and Freshwater Research Institute, Reykjavik and Helga Jónsdóttir, The Icelandic Ministry of the Environment and Resources.

Supporting Information

Priority:	<p>Recently there has been an increasing worldwide discussion about plastic which fragments slowly and pollutes the environment. It has been estimated that about 9 million tons of plastic have been produced since around 1950 and about 90% of this is still present in the environment. The problem is greater than anyone could comprehend only a few years ago. This has also led to demands from both the public and politicians about actions to mitigate the problems that it is causing.</p> <p>One of the pillars of the ICES Strategic Plan is to “build a foundation of science” and to “produce information and advice that decision makers need”. The planned symposium dedicated to plastic will do both by evaluating present status of plastic pollution in arctic and subarctic waters and discuss: how extensive is the plastic pollution and of what nature, where from and how it is transported to or in arctic and subarctic, how breakdown processes are operating in the in arctic and subarctic, how the different groups and sizes of plastic are affecting organisms in arctic and subarctic, and which are possible mitigation methods and how can they be put to force. The symposium aims for exchanges of views and to inform about the threat of plastic to ocean life and possible reactions..</p>
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Scientific justification:	<p>Under the Human Activities, Pressures and Impacts SG there is a newly established working group on marine litter (WGML) litter (including microplastic). The goal of the WGML is to provide scientific guidance towards the international harmonisation of monitoring data for seafloor litter and microlitter and to function as a knowledge base for other international organisations regarding these two issues. Already WGML has mapped seafloor litter/microplastic monitoring approaches & issues amongst group members and discussed the best channels to distribute key information produced by WGML by establishing an overview of national and international drivers and linkages. This and the future planned work of WGML (see ICES CM 2018/HAPISG:10) agrees with the vision for the planned symposium and therefore Icelandic organizers feel it would very much strengthen the scope, exposure and potential outcome of the symposium to have ICES on board as one of principal sponsors.</p> <p>ICES already co-operates with several international organizations active in arctic science, including the Arctic Council and Arctic research is one of the ICES present action areas. This symposium will be a further step in expanding ICES presence in arctic and sub-arctic waters.</p>
Resource requirements:	<p>The symposium will be funded by a Conference Fee and with support from The Icelandic Ministry of Foreign Affairs, Icelandic Ministry of Industry and Innovation, and Icelandic Ministry for the Environment and Natural Resources, Nordic Council of Ministers and ICES. Other organizations and governmental agencies such as the Icelandic Research Council will also be approached for financial support.</p>
Participants:	<p>It is anticipated that the symposium will attract about 300-400 participants from inside and outside the ICES community and bodies that operate under or in connection with the Arctic Council (e.g. PAME and AMAP), OSPAR and others.</p>
Secretariat facilities:	<p>Advertising the symposium and communications.</p>
Financial:	<p>It is expected that ICES co-sponsorship includes financial support up to the amount of 10,000 Euros for early career scientists.</p>
Linkages to advisory committees:	<p>ACOM and SCICOM will be asked for input on the symposium program and be represented in the Steering and Organising Committees</p>
Linkages to other committees or groups:	<p>The symposium topic is directly related to the remit of many ICES Expert Groups, in particular WGML, WGZE, JWGBIRD, MCWG, WGBEC, WGOH, WGICA</p>
Linkages to other organizations:	<p>The Symposium has relevance to all organizations and administrative institutes that deal with the marine litter and plastic in the oceans and its potential threat to marine ecosystems in Arctic and Sub-Arctic waters.</p>
Publication of proceedings	<p>A special issue of the ICES Journal of Marine Science would be desirable following the underlying threat of plastic to to arctic and subarctic marine ecosystems and the world oceans in general.</p>

2 Symposium on the “Implementation of the Ecosystem Approach to Management in the Arctic”

2018/3/ IEASG02

The Symposium titled “**Second International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic: Integrating information at different scales in the framework of EA implementation**” will be held on 25–27 June 2019, in Bergen, Norway, with Hein Rune Skjoldal (Norway), Lis L. Jørgensen (Norway) and Elisabeth Logerwell (USA) as Conveners.

A Scientific Steering Group has been established with members from Arctic Council working groups, Arctic states and Permanent participants to the Arctic Council, ICES, and PICES.

Supporting Information

Priority:	High. ICES supports the development of the Ecosystem Approach to management with particular emphasis on Integrated Ecosystem Assessment. ICES has also identified the Arctic as an important geographical focus for ongoing and future work. ICES involvement as a co-sponsor of the Arctic Ecosystem Approach conference contributes to strengthening cooperation with the Arctic Council.
Scientific justification:	The Ecosystem Approach to management is science-based and depends on ecosystem science. Integrated Ecosystem Assessment is an essential component of the Ecosystem Approach, and includes assessment of impacts of human activities and their implications. Both the Ecosystem Approach and Integrated Ecosystem Assessment are highly relevant to ICES mission to advance and share scientific understanding of marine ecosystems and the services they provide and to use this knowledge to generate state-of-the-art advice for meeting conservation, management and sustainability goals. Consequently, the science to be shared during this conference is of core interest to ICES. The specific topics and geographies to be addressed during the conference are (1) Integrated Ecosystem Assessment, (2) Ecological Quality Objectives, (3) Marine Protected Areas (MPAs) and other special areas, (4) National EA implementation by Arctic states, and (5) The Central Arctic Ocean, all of which are related to ICES science priorities and geographic foci as articulated in the ICES Science and Strategic Plans respectively.
Resource requirements:	The cost of the meeting will be covered by Norway through the local organizer (Institute of Marine Research in Bergen) with some contribution from PICES and possibly other sponsors.
Participants:	It is currently anticipated and planned for a total number of 100 participants.
Secretariat facilities:	The host institute (IMR in Norway) and the PAME secretariat (Protection of the Arctic Marine Environment Working Group under the Arctic Council) will provide staff to plan, organize, and conduct the conference. It is anticipated that little extra support from the ICES Secretariat is needed.
Financial:	No financial implication
Linkages to advisory committees:	ACOM, SCICOM
Linkages to other committees or groups:	All EGs under IEASG, and especially WGICA

Linkages to other organizations:	IMR, NOAA , PAME, AMAP, CAFF, PICES
Publication of proceedings	There will be a conference report with information on the meeting including participants, summary of presentations, and conclusions and recommendations from the conference. Publication of proceedings and use of the ICES Journal of Marine Science are not likely, but a final decision on this has not been taken.

3 Symposium on the “Fisheries Sustainability: Strengthening the Science-Policy Nexus”

2018/3/FRSG03 A FAO International Symposium on “**Fisheries Sustainability: Strengthening the Science-Policy Nexus**” will be held during 19-21 November 2019, in Rome, Italy with Manuel Barange (Italy, FAO) as Convener.

A Scientific Steering Group has been established to assist the Convener in planning the Symposium, including Simon Jennings (Denmark, ICES), Claudia Turriago (El Salvador), Tony Charles (Canada), Sloans Chimatiro (Zambia), Kevern Cochrane (South Africa), Guillermo Compean (USA), Christopher Costello (USA), Lifeng Cui (China), Charlotte de Fontaubert (USA), Beth Fulton (Australia), Ray Hilborn (USA), Tony Long (USA), Editrudith Lukanga (Tanzania), Abigail Lynch (USA), Alistair Macfarlane (New Zealand), Sangeeta Mangubhai (Fiji), Ana Parma (Argentina), Ernesto Lado (Belgium), Vivienne Solis (Costa Rica), Rashid Sumaila (Canada), Shakuntala Thilsted (Cambodia), Meryl Williams (Malaysia), and Bertrum MacDonald (Canada).

Supporting Information

Priority:	This symposium is well-aligned to the ICES mission stated in the ICES Strategic Plan and the ICES Science Plan “Marine ecosystem and sustainability science for the 2020s and beyond.” The objective of this Symposium will be to identify pathways to strengthen the science and policy interplay in fisheries production, management and trade, based on solid sustainability principles for improved outcomes on the ground. Ultimately, the debates and conclusions of the symposium will prepare the way for the development of a new vision for capture fisheries, outlining how the sector can respond to the complex and rapidly changing challenges facing society. Expected outputs: (1) Develop and articulate a new vision for fisheries’ sustainability in the 21st century. (2) Promote strategies for synergistic actions and supportive policies, at all levels, to promote sustainable fisheries while meeting international commitments. (3) Reinforce commitments to the FAO Code of Conduct for Responsible Fisheries and its associated instruments, leading to new FAO partnerships. (4) Assist countries at COFI 34 as they debate and consider a new COFI Sub-Committee on Fisheries Management.
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Scientific justification:	This symposium fits within the ICES science priority focused on seafood production, to generate evidence and advice for the management of wild-capture fisheries and aquaculture to help sustain safe and sufficient seafood supplies. This symposium is also well-aligned with the ICES Science Plan outcome to develop stronger and more dynamic links between science and advice. Additionally, participation in this symposium will reinforce the existing relationship with FAO Fisheries and Aquaculture Policy and Resources Division. The main output of the Symposium will be a technical document that synthesizes the information and debate in each of the Symposium’s sessions, to be tabled at the 34th session of the FAO Committee on Fisheries (COFI) in July 2020. It will include quantitative information on the status of fisheries’ sustainability globally and regionally, examples of best management and partnership practices, and recommendations on how to better connect evidence and policy to secure fisheries’ sustainability in the 21st century. This technical document will form the basis of a high-level policy statement on the role, value and sustainability status of global and regional fisheries. This statement will be drafted by FAO and shared for input and
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	feedback with FAO members after the Symposium, to be endorsed during the 25th anniversary celebrations of the Code of Conduct for Responsible Fisheries, to take place during the 34th session of the COFI.
Resource requirements:	The resource requirements are as follows: (1) SCICOM chair Simon Jennings will serve on the symposium advisory board, (2) ICES will provide support for the new Fisheries Resources Steering Group chair to attend the meeting, (3) ICES has offered to sponsor a keynote speaker from the ICES community if such a speaker is invited, and (4) ICES will provide limited support for the participation of selected early career scientists provided that eligible candidates with accepted abstracts are identified.
Participants:	ICES participants include SCICOM chair Simon Jennings, the new Fisheries Resources Steering Group chair and any identified keynote speaker from the ICES community. The symposium anticipates participation of 500 delegates, including participants from a broad range of countries including ICES member countries. Participants are expected to include members from technical organizations, research and academic communities, fisheries, conservation, and sustainability experts, business and private sector representatives, government and inter-governmental organizations, NGOs, and regional organizations.
Secretariat facilities:	The Secretariat may be asked to provide general professional and secretarial support to the SCICOM chair and the new Fisheries Resources Steering Group chair that will be attending the symposium.
Financial:	Travel and subsistence support is requested for SCICOM chair Simon Jennings, the new Fisheries Resources Steering Group chair, a keynote speaker, and an early career scientist.
Linkages to advisory committees:	ACOM, SCICOM
Linkages to other committees or groups:	The symposium is primarily relevant to most expert groups that will fall under the new Fisheries Resources Steering Group as well as those contributing to conservation and management science in general.
Linkages to other organizations:	The convener is actively identifying other partner institutions and co-sponsors and sent an email to the advisory committee requesting suggestions on 1/2/2019.
Publication of proceedings	No ICES publications are expected, but the convener anticipates producing an FAO technical document as outlined in the scientific justification above.

4 Symposium on “Oceans Past VIII”

2018/3/HAPISG04A Symposium on “OCEANS PAST VIII” will be held in May 2020 (specific dates under discussion), in Bruges, Belgium with Ruth Thurstan (U.K.) and Ben Fitzhugh (U.S.) as Conveners.

The local organizing committee will be chaired by Vim de Winter (VLIZ, Belgium), and the Scientific Steering Group will be chaired by Ben Fitzhugh (U.S.). ICES WGHIST co-chair, Ruth Thurstan is co-convenor and Scientific Steering Group member bringing ICES representation into the planning process for Oceans Past VIII. We welcome the ICES Secretariat to solicit appropriate co-sponsorship from other international organizations.

Supporting Information

Priority: The symposium is highly relevant for ICES, both in its science and advisory roles. The priority of Oceans Past VIII, themed ‘*Historical perspectives on marine ecosystems, fisheries, and futures*’ is to support a fuller understanding of the past, the present status, and potential trajectories of our living marine resources. By this motivational stance the conference will identify how (and in what ways) human and non-anthropogenic interactions have driven observed changes, thus aiding ICES’ main priority of providing ‘Science for Sustainable Seas’. Similar to the 2018 symposium, Ocean’s Past VII in Bremerhaven (Germany), we expect conference contributions to: i) establish a greater understanding of past exploitation/consumption levels and the scale of human interactions with living marine resources through time, ii) identify marine population and ecosystem responses to various natural and anthropogenic forcings, iii) evaluate the social and ecological consequences of change by involving expertise from multiple disciplines, including marine fisheries, archaeology, history, mathematical modelling and socio-economics research), iv) assist in setting quantitative targets for ecosystem-based management (through identifying baselines and the natural range of variation of marine populations), and v) identify trajectories and repercussions of management interventions on marine social-ecological systems through time.

In addition to the above topics, we will encourage attendance by participants with expertise in the following topics of relevance to the current ICES priorities: emerging technologies and techniques and their applications to historical research e.g., big qualitative data; novel aquaculture systems and implications for sustainable seafood production; and identifying multiple stressors and their interactive effects through time. The above will be achieved via a combination of traditional individual presentation sessions together with more interactive panel sessions (i.e., where several participants discuss a topic with audience participation encouraged), poster and timed break-out sessions, all aimed at invoking in-depth discussions and exchange among participants (including ECRs) from different disciplines.

Scientific justification: The expected conference presentations will contribute strongly to the following ICES science priorities: *Ecosystem Science* (by advancing our understanding of the dynamics of marine ecosystems); *Impacts of Human Activities* (by measuring the effects of human activities on ecosystems and services, contributing to our understanding of the present and hence future states of social-ecological systems); *Observation and Exploration* (by providing measures of ecological change through time); and *Sea and Society* (by evaluating the contributions of livelihoods, identities and recreational activities through time). The 2018 Ocean’s

	<p>Past was the largest OP congress to date, and included a diverse range of historical perspectives on marine ecosystems and human interactions with them. Future OP participants will continue to bring large-scale and long-term case studies highlighting dynamic changes and interactions in past marine ecosystems, the impacts and legacy effects of human activities on them, and the sustainability of iterative or co-evolutionary relationships. We thus expect OP VIII presentations to directly contribute to the ICES advisory role by advancing our understanding of how exploited ecosystems and their components have performed over time, the reasons for this, as well as the success/failures of past management. As several conference contributions are expected to originate from outside the ICES-area and/or disciplines currently not well-represented in ICES work, it will allow ICES to broaden its knowledge base and strengthen cooperation with scientists from partner organisations such as CIESM and PICES. In 2018 the Ocean's Past Initiative formally organized as a scholarly society with bylaws, a governing board, and dues-paying membership. With many OPI members already contributing to ICES working groups (e.g., WGHIST, WGSEDA, WGSOCIAL, WGOOA) and related bodies such as IMBeR (ESSAS/PESAS), OPI looks forward to a long partnership with ICES.</p>
Resource requirements:	<p>The majority of conference costs will be born by participant registration fees and by the vast majority of participants self-funding their travel and accommodation. We seek support from ICES and other professional organizations for financial support to 1) subsidise travel costs of early career researchers from ICES-member countries, 2) support an early career network event and 3) support keynote speakers from lower-income countries to attend.</p>
Participants:	<p>Conference participants are expected to represent a wide range of geographical regions globally, incl. from the Atlantic and Pacific Oceans and several regional seas with a coverage of Europe, Asia, Northern and Southern America and Australia/New Zealand. The historical ecology/fisheries research contingent from Western Europe and North American ICES member countries continues to be very strong (as indicated by the WGHIST membership base) and we anticipate high attendance by researchers from these regions.</p>
Secretariat facilities:	<p>Secretariat help would be appreciated to promote the conference and encourage scientists involved in ICES partner organisations (like CIESM, PICES etc.) and ICES Expert Groups to attend the conference.</p>
Financial:	<p>Any financial support from ICES would be focused towards strengthening the participation of early career researchers and keynote speakers. We request support in the order of 9000 Euros, to 1) subsidise travel and accommodation costs for 10 ECRs from ICES member countries (500€ each, total 5000€), 2) support an ECR networking event during the conference (2000€) and, 3) subsidise travel costs for two keynote speakers to attend from underrepresented countries further afield (2000€). We note that OPI's members come in part from social science and humanities disciplines, which have fewer grant opportunities and lower budgets to work with for international travel. Successful inclusion of these groups is critical to the OPI and ICES goals of encouraging interdisciplinary collaborations and understanding and supporting action towards sustainable marine social-ecological systems.</p>
Linkages to advisory committees:	<p>The symposium topic is linked to the remit of the ICES Advisory Committee by contributing to the knowledge pool on assisting to identify historical baselines and natural range of variation for marine ecosystem management, track the development of fisheries technology over time, assess changes in marine ecosystems and their components as a result of multiple human activities, and contribute to</p>

	success/failure stories on recovery and conservation efforts on exploited populations, species, habitats and ecosystems.
Linkages to other committees or groups:	ICES WGHIST; WGSEDA; SIHD; WGSOCIAL; HAPISG
Linkages to other organizations:	<ul style="list-style-type: none"> • Oceans Past Initiative – Poul Holm (holmp@tcd.ie) • Flanders Marine Institute (VLIZ) – Wim de Winter (wim.dewinter@vliz.be) • IMBeR's Ecosystem Studies of Subarctic and Arctic Seas (ESSAS, through the Paleoecology of Subarctic and Arctic Seas/PESAS WG)- PESAS contact: B.Fitzhugh (fitzhugh@uw.edu); ESSAS contact: Ken Drinkwater (ESSAS SSC co-chair: ken.drinkwater@hi.no) • Integrated History and Future of People on Earth (IHOPE) – Carole Crumley, Executive Director (crumley@live.unc.edu) • IHOPE Circumpolar Networks: Tom McGovern (thomas.h.mcgovern@gmail.com) • NABO (North Atlantic Biocultural Organization)- Tom McGovern (thomas.h.mcgovern@gmail.com) • Humanities for the Environment- Steven Hartman (steven.hartman@mdh.se)
Publication of proceedings	OP previously published a special issue in IJMS (V 73: 2016), we are very willing to contribute to alternative communication/publication channels within ICES e.g., by reporting on the outcomes of the conference in the ICES newsletter or via social media.

5 Symposium on “The World Fisheries Congress 2020 (WFC2020)”

2018/3/HAPISG05 **The World Fisheries Congress 2020 (WFC2020)** will be held during 11-15 October, in Adelaide, Australia. The South Australian State Government in partnership with the national Fisheries Research and Development Corporation and the Australian Society for Fish Biology are the hosts and convenors for the Congress.

A Steering Committee has been established to provide strategic oversight and direction for the Congress. Committee members include: Prof Gavin Begg (Chair), the South Australian Research and Development Institute (SARDI), Australia; Dr Stephen Balcombe, Griffith University, Australia; Dr Stephen Beatty, Murdoch University, Australia; Dr Matt Dunn, NIWA, New Zealand; Prof Bronwyn Gillanders, University of Adelaide, Australia; Dr Alistair Hobday, CSIRO, Australia; Shane Holland, Fisheries Research and Development Corporation (FRDC) Indigenous Reference Group, FRDC; Dr Patrick Hone, FRDC; Peter Horvat, FRDC; Jane Lovell, Seafood Industry Australia; Dr Pamela Mace, Ministry for Primary Industries, New Zealand; Tim Pankhurst, Seafood New Zealand, New Zealand; Sean Sloan, Primary Industries and Regions South Australia, Australia; and Prof Tim Ward, SARDI, Australia

An International Program Committee has also been established to assist the Steering Committee in planning the Congress program content to showcase the world’s commercial, recreational and indigenous fisheries. Committee members include: Prof Bronwyn Gillanders (Co-Chair, University of Adelaide, Australia), A/Prof Tim Ward (Co-Chair, SARDI, Australia) Prof Gavin Begg, SARDI, Australia; Prof Gary Carvalho, Bangor University, UK; Dr Steven Cooke, Carleton University, Canada; Prof Atsushi Hagiwara, Nagasaki University, Japan; Wayne Hutchinson, FRDC, Australia; Dr Chris Izzo, FRDC, Australia; Dr Joykrushna Jena, National Academy of Agricultural Sciences, India; Dr Simon Jennings, ICES, Denmark; A/Prof Alison King, Charles Darwin University, Australia; Dr Jason Link, NOAA Fisheries Directorate, USA; Dr Abigail Lynch, U.S. Geological Survey, USA; Dr Pamela Mace, Ministry for Primary Industries, New Zealand; Prof Muhummad Naeem Khan, University of Punjab, Pakistan; Keith Rowling, PIRSA, Australia; Dr Luiz Silva, Federal University of Sao Joao del-Rei, Brazil; Dr David Smith, CSIRO, Australia; Dr Peter Thompson, CSIRO, Australia; and Prof Qingyin Wang, Yellow Fisheries Research Institute, China..

Supporting Information

Priority:	High. A Congress related to “sharing our oceans and rivers – a vision for the world’s fisheries” will be of significant interest and value to the ICES network and provides excellent opportunities for ICES scientists and early career scientists to engage with a broad international community focusing on ways to maintain a sustainable supply of seafood. Sponsorship by ICES will help more early career scientists to engage with the Congress and enable ICES to provide input to the development of scientific sessions and program content.
Scientific justification:	The emerging topics for this symposium, related to “sharing our oceans and rivers – a vision for the world’s fisheries” are related to achieving fisheries sustainability and will therefore be topics of broad interest for all ICES member countries. The topics are closely related to the ICES science priorities related to seafood production where ICES seeks to generate evidence and advice for management of wild-capture fisheries that will help to sustain safe and sufficient seafood supplies. The symposium is expected to address many specific issues and topics highlighted in the ICES science plan and will provide many

	opportunities to strengthen and advance international scientific engagement
Resource requirements:	ICES will provide support for the participation of selected early career scientists from ICES member countries, provided that eligible candidates with accepted abstracts are identified. The ICES logo and links to the ICES website will be used in electronic and printed materials for the symposium, including the program, Congress website and web app, and displayed on holding slides in speaker sessions.
Participants:	The WFC2020 is expected to attract over 1500+ delegates from around the world, bringing together research, industry and management sectors to discuss the latest advances in fisheries worldwide.
Secretariat facilities:	The ICES Secretariat will assist with communicating WFC2020 updates (to be provided by the Convenors) to the ICES community, encouraging as members to be engaged and participate in the Congress.
Financial:	ICES co-sponsorship includes financial support up to the amount of 10,000 Euros (or equivalent in other currencies) for selected early career scientists from ICES member countries.
Linkages to advisory committees:	Conference themes are highly relevant to the work of the ICES Advisory Committee.
Linkages to other committees or groups:	The ICES SCICOM Chair is initially representing ICES on the WFC2020 International Program Committee, which will facilitate ICES links with the WFC.
Linkages to other organizations:	N/A
Publication of proceedings	The WFC2020 International Program Committee Chairs are currently exploring options for publishing proceedings from the Congress.