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Resolutions approved in 2025

All-Atlantic IEA Symposium: Integrated Ecosystem Assessments for a Sustainable Future (18-19 November 2025)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-01-29

End Date: 2025-12-31

Symposium Title (character limit: 280)

The All-Atlantic IEA Symposium: Integrated Ecosystem Assessments for a Sustainable Future

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Debbi Pedreschi	Marine Institute	debbi.pedreschi@marine.ie	Ireland
Martin Lindegren	DTU Aqua	mli@aqua.dtu.dk	Denmark
Patrizio Mariani	DTU Aqua	pat@dtu.dk	Denmark
Jacob Bentley	Natural England	Jacob.Bentley@naturalengland.org.uk	UK

Symposium Website URL (if known)

The symposium will be published in different channel including social media, website and booklets related to the project MISSION ATLANTIC (see link: [Towards the Sustainable Development of the Atlantic Ocean | Mission Atlantic](#))

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

Focusing on Integrated Ecosystem Assessment (IEA) as a tool to progress ecosystem-based management (EBM), the symposium will directly engage the ICES Ecosystems Approaches and Methods Steering Group and NOAA IEA practitioners, while showcasing developments from international projects such as Mission Atlantic, providing pathways to integration and implementation to meet the needs of ICES Science and Advisory Plans and the challenges of EBM.

Combining keynote presentations, parallel sessions, and Q&A sessions, the symposium will facilitate international, inter-institutional, and cross-disciplinary communication while encouraging the development of networks and the sharing of knowledge with the aim of improving the effective use of integrated assessments for marine ecosystem management. The symposium supports the implementation of the ICES Science Plan (2025) and Framework for Ecosystem Informed Science and Advice (FEISA, 2024), multiple national and international ecosystem-based management mandates, and contributes to the UN Sustainable Development Goals (SDGs) and the United Nations Decade of Ocean Science for Sustainable Development.

The IEA Symposium is relevant to ICES Science Plan (2025; marine ecosystem science, impact of human activities, observation and exploration of the seas and ocean), the FEISA framework, and to the development of actionable ecosystem and climate-informed advice (ICES Advisory Plan, 2025).¹

Symposium Dates (yyyy-mm-dd)**Start Date:** 2025-11-18**End Date:** 2025-11-19**Venue** (e.g. conference centre, hotel)**Format** (in-person, virtual, hybrid)**Expected Number of Participants**

Scandic Kodbyen

In person

100-130

City/Town**Country**

Copenhagen

Denmark

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

A 2 day symposium (dates 18-19 November 2025) in Copenhagen, Denmark. Location will be hotel: Scandic Kodbyen – prebooking placed.

Abstract submission will be opened in April 2025 until August 2024. A review committee will be formed including organisers and invited keynote speakers.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The All-Atlantic IEA symposium is designed to engage a wide diversity of participants from different disciplines, backgrounds and interests. An Early Career Researcher (ECR) training session will be held at the ICES HQ immediately prior to the symposium focusing on relevant topics identified at the SII ECS IEA interdisciplinary summer school in September 2025 (currently in development).

The symposium itself spans two days, each featuring keynote speakers, themed presentations, and panel discussions. Relevant themes will be refined in discussion between Mission Atlantic and ICES EAMSG working groups but may include topics such as;

- Emerging methods and approaches
- Integrating the Assessment(s)
- Scoping, objectives, and stakeholder engagement
- IEA implementation challenges
- Theory and Practice to Policy and Management

The symposium itself spans two days, each featuring keynote speakers, themed presentations, and panel discussions.

Each day will include: two keynote speeches (20'), participant presentations based on abstract submissions, and panel discussions, with two coffee breaks and break for lunch. Day 1 is expected to be a single plenary session, with Day 2 including parallel sessions, depending on number of applications and topics. A world café where participants can view and engage with interactive tools and outputs, such as illustrative graphics, storymaps, ecosystem models (e.g. StrathE2E), conceptual models, etc. is proposed as a demonstration space and for soliciting feedback on outputs.

The draft agenda for the symposium includes a variety of events designed to engage participants from different backgrounds and interests. Before the symposium officially begins, there will be an Early Career Researcher (ECR) pre-event training session at the ICES HQ, focusing on topics that will be confirmed based on the number of registered participants. This activity will benefit and will

follow up on the discussions during a dedicated summer school planned for September 2025 on IEA approaches and models.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

Involvement from the following group: EAMSG, HAPISG, SIIECES, SICCME

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The symposium conveners are active members of the ICES community and lead of important working groups related to the symposium. Jacob Bentley is the current EAMSG Chair and active member of multiple ICES WGs. Debbi Pedreschi is former Chair of Integrated Ecosystem Assessments Steering Group and member of several WGs in ICES (e.g. WGEAWESS, WGSOCIAL, WGMARS, WGBESEO, WGCEAM, Chair of WKONEA, WKEO4), and one of the lead authors of ICES Framework for Ecosystem-informed Science and Advice. Martin Lindegren is the former chair of ICES/HELCOM Working Group on Integrated Assessments of the Baltic Sea and participating in several related activities within ICES. Patrizio Mariani is the scientific coordinator of the EU H2020 project MISSION ATLANTIC and supporting of several ICES Working Group on Integrated Ecosystem Assessment (Norwegian Sea, Greenland etc.). ICES is partner in MISSION ATLANTIC and will support the symposium with a graphic designer and a keynote speaker. ICES Science Committee Chair Dave Reid will be involved in selection of the abstract and poster selection committee.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination,

and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

Both co-sponsorship or simple endorsement would be suitable model for the symposium as ICES is member of MISSION ATLANTIC within which the event is organised. Please note the event is not limited to MISSION ATLANTIC participants but is intended to reach a wider global community.

Requested from ICES:

- Use of ICES logo.
- Participation on selection committee of abstracts and posters.
- Support in communication and dissemination of the event (sharing in social media, among the network etc.)

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

The event is fully funded by the EU H2020 project MISSION ATLANTIC

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): Sustainable management of human activities with an integrated marine ecosystem approach

No publication intended

General Information

Resolution Status (select one) **New resolution**

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

 Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The All-Atlantic IEA conference aims to provide the knowledge and methods we need for the oceans we want

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sharing evidence

Priority 2: Evolving advice

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Ecosystem science

Priority 2: Impacts of human activities

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input checked="" type="checkbox"/> Arctic Ocean <input checked="" type="checkbox"/> Atlantic, Northeast (FAO area 27) <input checked="" type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input checked="" type="checkbox"/> Barents Sea <input checked="" type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input checked="" type="checkbox"/> Celtic Seas <input checked="" type="checkbox"/> Faroes <input checked="" type="checkbox"/> Greater North Sea <input checked="" type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input checked="" type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input checked="" type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input checked="" type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input checked="" type="checkbox"/> Atlantic, Northwest (FAO area 21) <input checked="" type="checkbox"/> Atlantic, Southeast (FAO area 47) <input checked="" type="checkbox"/> Atlantic, Southwest (FAO area 41) <input checked="" type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)

<input checked="" type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions
<input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)
<input checked="" type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks
<input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP)
<input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF)
<input type="checkbox"/> International Arctic Science Committee (IASC)
<input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs)
<input type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database

2025/SYM/SCICOM01

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
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David Reid	Alondra Sofia Rodriguez
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Habitat restoration for diadromous fishes – best practices and impacts in stock assessment (9-11 June 2026)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-02-01	End Date: 2026-12-31
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Symposium Title (character limit: 280)

Habitat restoration for diadromous fishes – best practices and impacts in stock assessment
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Symposium Conveners (maximum 5 individuals)			
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Full Name	Institute	Email	Country
Jenni Prokkola Senior scientist, research fellow	Natural Resources Institute Finland (Luke), Oulu	jenni.prokkola@luke.fi	Finland
Raisa Nikula Research scientist	Natural Resources Institute Finland (Luke), Oulu	raisa.nikula@luke.fi	Finland

Pauliina Louhi Principal scientist	Natural Resources Institute Finland (Luke)	pauliina.louhi@luke.fi	Finland
Johan Höjesjö, Professor	Gothenburg University	johan.hojesjo@bioenv.gu.se	Sweden
Carlos Alexandre, Assistant Researcher	Marine and Environmental Sciences Centre (MARE), Universidade de Évora	cmea@uevora.pt	Portugal

Symposium Website URL (if known)

Not known yet: will be hosted either by the Natural Resources Institute Finland or University of Oulu

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

Significant ecosystem changes resulting from climate and land-use alterations often have severe negative impacts on diadromous species. Strong declines in stock sizes and diminishing of fishing opportunities have already occurred for example in Atlantic salmon, European eel, sea trout, and sea lamprey across their range. Securing future fishing opportunities, and survival of diadromous fish populations depends on enhancing their recruitment and reproduction. Habitat restoration plays a crucial role in the solution, improving the availability and quality of freshwater habitats to support fish populations.

Despite the long history of restoration work to improve habitats of diadromous species, outcomes of restoration actions do not always meet expectations. Further, restoration guidelines are often driven by intuition rather than scientific evidence, with lack of suitable prioritization, limited monitoring and inadequate attention to the key factors affecting fish habitat bottlenecks. With the implementation of the EU Habitat Restoration Law, Water Framework Directive and other initiatives, a significant increase in restoration efforts is anticipated. This calls for a review of successful restoration practices, and of the effects of restoration on fish stock assessments and on advice on fishing opportunities. For instance, a time lag between habitat restoration and the observed improvement in fish populations is always expected and should be accounted for. Specifically, there is a need for guidelines on incorporating restoration outcomes into diadromous species stock assessments to ensure consistent principles are applied across different species and regions.

This symposium is aimed at experts and scientists involved in habitat restoration and those interested in the broader impacts of restoration on diadromous stocks and fishing opportunities. The goal is to synthesize evidence of both restoration success and failure and to develop science-based guidelines for better integrating restoration into assessment work. We will publish an output of the symposium to address how restoration is considered in scientific advisory process, as there

is a need to improve how ICES is providing conservation-related advice. We are also seeking to publish a special issue of scientific peer-reviewed publications as an additional outcome.

The symposium aligns with all goals of the ICES strategic plan, particularly *Advancing ecosystem understanding*. It also perfectly matches the Science plan priorities, especially *Conservation and management science*, which encapsulates the aim (to) *Develop tools, knowledge, and evidence for conservation and management — to provide more and better options to help managers set and meet objectives*, as well as the priorities *Ecosystem science* and *Impacts of human activities*. By producing guidelines that ensure the best available science is transparently incorporated into restoration measures, the symposium promotes ICES advice principles, specifically *Principle 1* and *Principle 5*.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-06-09	End Date: 2026-06-11

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
University of Oulu campus, Linnanmaa, Oulu	in-person, possibly hybrid	50-100

City/Town	Country
Oulu	Finland

Comments on dates, timeline, venue, location, and participants (character limit: 500)
<p>For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration</p> <p>The ideal duration is three full symposium days, on June 9-11, 2026, flanked with arrival and departure days. Mid-June in Finland is well suited for an excursion to restoration sites, and there is minimal overlap with holiday seasons and the busiest research field work period.</p> <p>Abstract submission is in Jan-Feb 2026.</p> <p>Venue is University of Oulu campus. Oulu is well connected to Helsinki international airport via flights and trains, and nearby numerous active restoration sites. The campus is easily accessible from city centre.</p>

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

Preliminary programme:**Monday**

PM: Arrival to the venue and registration

Evening: Early career researcher get-together

Tuesday

Science day

AM-PM Scientific presentations: Two keynote speakers (30 min each) and attendee presentations on case studies, with time reserved for discussion between presentations.

Poster and speed-talk session.

Wednesday

Assessment and advice day

AM: Keynote presentation (30 min) and case studies (15 min).

PM: Formatting a draft of guidelines for considering habitat restoration in stock assessment and in advice on fishing opportunities for diadromous fishes. The attendees discuss areas of the guidelines in smaller groups and plan the writing with coordination from the conveners.

Evening: A guided tour to Hupisaaret City Park, where streams were restored in 2017-2018, and native brown trout have been successfully reintroduced & joint dinner

Thursday

Science, advice, and excursion

AM: Panel discussion between scientists, ICES representative, and experts working towards the national implementation plans. The scientific steering group presents a plan for special issue of the symposium presentations, and presentations selected from abstracts are continued.

PM: Field trip to restored fish habitats e.g. in River Iijoki watershed, and presentation of research projects at site.

Friday

Departure

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

WGDIAD, WGTRUTTA, WGNAS, WGBAST, WGEEL, WKREST

The symposium addresses the new ToRs of WGDIAD for 2025-2027, and as an activity in the ToRs of WGTRUTTA. In addition to symposium/workshop, published output of guidelines for Advice was included in the WGDIAD ToRs.

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES representatives are contributing to all stages of the symposium planning and execution. Several members of the conveners, and scientific and organising committees will be from ICES working groups. Conveners: Jenni Prokkola is the chair of WGDIAD and a member of WGBAST, and Pauliina Louhi is a member of WGTRUTTA and WGBAST, Johan Höjesjö is the chair of WGTRUTTA and member of WGDIAD, and Carlos Alexandre is a member of WGTRUTTA and WGDIAD. In addition, the scientific committee of the symposium includes ICES representatives: Alan Walker is the chair of WGTRUTTA and chair of WGNAS, and a member of WGDIAD, Johan Dannewitz is a member of WGBAST and WGDIAD, Joana Portugal and Karen Wilson are members of WGDIAD. A representative from the ICES secretariat will be included in the scientific committee.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#); particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes,

technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

We apply for the full contribution of ICES to this symposium including:

- financial contribution of 10 000 euros towards early career researcher attendance,
- use of ICES logo in materials.
- The secretariat help is also appreciated in coordination,
- assistance in planning of the agenda and programme as part of the scientific steering committee, and
- if feasible, on-site participation in the symposium.

The Early Career Researcher support would be spent on travel grants to cover attendance and travel grants to ECRs to attend the symposium (max. contribution 1000 euros /person) and distributed by ICES according to their principles (to grantees selected by the scientific committee).

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

To-be-requested and pending funding sources:

Ministry of Agriculture and Forestry, Finland (pending, 10000 euros)

Natural Resources Institute Finland (Luke), (support in local organisation, and hosting of registration and website)

University of Oulu, Profi8 SAFIRE programme, contributes to both organising and funding of the event

Ministry of Environment, Finland (pending)

Finnish Cultural foundation (pending)

We will also apply for funding from Finnish foundations and stakeholders, e.g., Maj and Tor Näsling foundation, and city of Oulu

Fisheries Society of the British Isles (4000 euros, pending)

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): A publication on recommendations intended for diadromous species working groups, advice groups, and ACOM, as well as a special issue in a scientific journal (TBD) on scientific case studies

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

Co-sponsorship of a symposium on habitat restoration science to support stocks of migratory fishes

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice

Priority 2: Sharing evidence

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Conservation and management science

Priority 2: Ecosystem science

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

The details of the symposium and the partners are currently being planned, and are therefore subject to small changes, but we would be pleased to include ICES in the planning of the details. EIFAAC has been invited to support the initiative, pending agreement.

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87)

<input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Pacific, Southwest (FAO area 81)
<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)

<input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	
Society for Ecological Restoration (pending)	
Vesistökunnostusverkosto (Finnish network for restoration of aquatic habitats) (pending)	
NASCO - pending	

ICES Secretariat to complete the information below

Unique Identifier Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database

2025/SYM/SCICOM02

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
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Anne Cooper	Samuel Noringriis
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Oceans Past XI: Ocean-Connected Communities, past, present and future (6-10 July 2026)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-01-30	End Date: 2026-12-31
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Symposium Title (character limit: 280)

Oceans Past XI: Ocean-Connected Communities, past, present and future.
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Symposium Conveners (maximum 5 individuals)			
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Full Name	Institute	Email	Country
Dr Loren McClenachan	University of Victoria	lorenm@uvic.ca	Canada
Prof Jason Colby	University of Victoria	jcolby@uvic.ca	Canada
Dr Iain McKechnie	University of Victoria	iim@uvic.ca	Canada
Dr Ruth Thurstan	University of Exeter	r.thurstan@exeter.ac.uk	UK
Dr Andre Colonese	Universitat Autònoma de Barcelona	AndreCarlo.Colonese@uab.cat	Spain

Symposium Website URL (if known)
https://oceanspast.org/ - please note the website is being updated and will be relaunched in March/April

Scientific Justification (character limit: 1500)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science , Advisory , and/or Strategic Plans
<p>The Oceans Past Initiative (OPI) is a global network that aims to enhance interdisciplinary understanding of past changes in marine ecosystems, ocean-societal interactions, and their outcomes, to illuminate the full suite of possible futures. This broad, inclusive focus aligns with critical challenges and themes identified in the 2025 Science Plan. Specifically, the need for sound understanding of ecosystem functioning and resilience to change (<i>Marine Ecosystem Science</i>), assessing effects of our activities (<i>Impacts of human activities</i>), building evidence of fishery dynamics and contributions (<i>Food from the Sea</i>), assessing ecosystem status and trends (<i>Conservation & Restoration Science</i>), assessing ocean contributions to wellbeing, heritage and identities, and imagining alternate futures (<i>Sea and Society</i>).</p> <p>OPXI will be held at the University of Victoria (UVic) in Canada and will continue the successful run of international meetings to generate interdisciplinary understanding of past human-ocean interactions and future trajectories. The theme will be ‘Ocean-connected communities’. Objectives include connecting the OPI community, fostering dialogue with regional researchers and practitioners, and building partnerships with Indigenous Nations, a key strength of our local hosts.</p> <p>Relevance: OPXI informs the ICES Science Priorities of Ecosystem Science [advancing understanding of marine ecosystem dynamics and societal connections], Impacts of Human Activities [elucidate present and future states], Seafood Production [past production and corresponding impacts] and Sea and Society [societal benefits through time], while bolstering ICES strategic partnerships in the North Pacific.</p>

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-07-06	End Date: 2026-07-10

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
University of Victoria	Hybrid	100

City/Town	Country
Victoria	Canada

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

Proposed dates are June - July 2026, depending on venue and accommodation availability. Networking events, training and excursions will be included.

Feb-May 2025 – Budget and contracts for conference venue, catering, accommodations to be secured. Sponsorships and submissions for funding support, consultation with Indigenous advisors.

June 2025 – Announce conference dates, request for thematic submissions.

Oct 2025 – Opening of abstract submission and ECR funding requests.

Jan/Feb 2026 – Abstract, funding and keynote speaker confirmations.

Mar 2026 – Registration opens.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The conference will run over five days, formed of a plenary session and surrounding activities. Multiple in-person/online formats will be offered, including full length talks, posters, speed (5 mins) and flash talks (2 mins focused on poster summaries). A poster network event and Early Career Awards will take place in a similar manner to OPX.

Networking, training and excursions are a key component of the programme. We will coordinate with local Indigenous peoples to facilitate representation e.g. via an Indigenous-led discussion panel. The convenors propose an Elder or Knowledge Keeper open the conference and will seek guidance on Indigenous cultural programming and possible routes to partnership e.g. excursions, Indigenous-owned catering. We will consult with regional marine science groups (e.g. Ocean Networks Canada, North Pacific Marine Science Organization (PICES), Pacific Institute for Climate Solutions (PICS), Hakai Institute, Pacific Biological Station, Pacific Salmon Foundation, Bamfield Marine Station) and ICES WGHIST on workshops and representation.

Training opportunities will take place pre-conference, to ensure dedicated time, and hosted by OPI Board, local hosts and partners (to approach) i.e. ICES WGHIST, above groups. Suggested sessions include *Enhancing interdisciplinary networks, Interdisciplinary working and publishing*.

The programme will include the following sessions:

- Ocean connections – trade, resources and identities
- Exploitation dynamics through time
- Outcomes of human-ocean interactions
- Societal benefits of marine ecosystems, past and present
- Indigenous ocean histories and cultures
- Ocean climate trajectories
- Past oceans for future policy: challenges and opportunities

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

WGHIST – close connections are maintained between OPI and WGHIST

SIHD – to approach

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

- Members of the 2026 convening panel have assigned a session dedicated to the challenges and opportunities in applying historical data to marine management and policy. We welcome ICES expertise and representation if your capacity allows.
- We have experience of working with the ICES Symposia team in selecting researchers for Early Career Support and we will ensure parity of support across disciplines, member states, and gender in consultation with the Symposia team.

- Help with identifying topics for training sessions pertinent to ECRs would be appreciated - we have feedback from prior conference ECR sessions to learn from and we have strong ECR representation on our Governing Board to ensure the early career voice is heard.

- We are keen to highlight the potential for publishing in the IJMS and its interdisciplinary remit (note we are considering submitting a Special Issue proposal, currently under development). Current experience and guidance on how researchers from outside traditional marine ecology disciplines can maximise opportunity to publish in IJMS and avoidance of common pitfalls to interdisciplinary publishing, would be a helpful resource if possible to arrange.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) ; particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

We seek financial support from ICES and other professional organizations to 1) subsidise attendance costs of early career researchers (ECRs) and 2) support ECR network events. We note OPI's members come in part from social science and humanities, with fewer grant opportunities and lower budgets for international travel. Successful inclusion of these groups is vital to the OPI and ICES goals of encouraging interdisciplinary collaborations, building partnerships, and understanding and supporting action towards sustainable marine social-ecological systems.

We therefore request 10,000 Euros from ICES to strengthen the participation of ECRs. These funds will be used to: subsidise registration, subsistence and accommodation costs for ECRs (8000€), and support a networking event in the early days of the conference that will enhance community building among ECRs, and present opportunities to meet potential mentors as well as peers (2000€). Please note, the networking event funds would be used solely to support ECR attendance by removing the cost of the networking event from their registration fees.

We also seek support from the ICES Communications team in advertising the conference across social media channels and the ICES website, and in identifying courses or events that may be of interest to Oceans Past conference attendees e.g., ECS training courses run by ICES that OPXI organisers could highlight to ECRs who may not be aware of these opportunities.

We seek the use of ICES logo on our website and social media prior to and during the conference.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

We will use OPI funds (3000€) to fully support the attendance of two ECRs in financial need from the Global South.

In-kind support (venue cost, hybrid support, reduced accommodation rates) will be sought from the University of Victoria.

There are local organizations we will approach for support, including the North Pacific Marine Science Organization (PICES) and Oceans Network Canada (ONC). The local organisers also plan to seek federal funding from the Canadian Social Sciences & Humanities Research, who provide matching funds up to a specified amount. Any funding obtained from these sources would be used to support ECR travel and to reduce registration costs by sponsoring meals, excursions, and networking events at the conference. We will apply for the event's endorsement by the Ocean Decade to expand its scope, dissemination, and broader policy implications.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): The Board and local hosts are keen to develop a Special Issue aligned with the conference, this plan is currently in development]

No publication intended

General Information**Resolution Status (select one)**

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The Oceans Past Conference hosts interdisciplinary researchers and practitioners to better understand past human-ocean interactions and the consequences for ecosystems and societies, to inform future management and policy.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Identifying needs

Priority 2: Choose an item.

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Impacts of human activities

Priority 2: Sea and society

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions

Adriatic Sea

Aegean-Levantine Sea

Areas outside ICES Ecoregions and Adjacent Ecoregions

Arctic Sea (FAO area 18)

Atlantic, Antarctic (FAO area 48)

<input type="checkbox"/> Arctic Ocean	<input type="checkbox"/> Atlantic, Eastern Central (FAO area 34)
<input type="checkbox"/> Atlantic, Northeast (FAO area 27)	<input type="checkbox"/> Atlantic, Northwest (FAO area 21)
<input type="checkbox"/> Azores	<input type="checkbox"/> Atlantic, Southeast (FAO area 47)
<input type="checkbox"/> Baltic Sea	<input type="checkbox"/> Atlantic, Southwest (FAO area 41)
<input type="checkbox"/> Barents Sea	<input type="checkbox"/> Atlantic, Western Central (FAO area 31)
<input type="checkbox"/> Bay of Biscay and the Iberian Coast	<input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)
<input type="checkbox"/> Black Sea	<input type="checkbox"/> Indian Ocean, Eastern (FAO area 57)
<input type="checkbox"/> Celtic Seas	<input type="checkbox"/> Indian Ocean, Western (FAO area 51)
<input type="checkbox"/> Faroes	<input type="checkbox"/> Mediterranean and Black Sea (FAO area 37)
<input type="checkbox"/> Greater North Sea	<input type="checkbox"/> Pacific, Antarctic (FAO area 88)
<input type="checkbox"/> Greenland Sea	<input type="checkbox"/> Pacific, Eastern Central (FAO area 77)
<input type="checkbox"/> Icelandic Waters	<input type="checkbox"/> Pacific, Northeast (FAO area 67)
<input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea	<input type="checkbox"/> Pacific, Northwest (FAO area 61)
<input type="checkbox"/> Norwegian Sea	<input type="checkbox"/> Pacific, Southeast (FAO area 87)
<input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Pacific, Southwest (FAO area 81)
<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)

- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)
- Protection of the Arctic Marine Environment Working Group (PAME)

Scientific Intergovernmental Organizations (IGOs)

- Mediterranean Science Commission (CIESM)
- North Atlantic Marine Mammal Commission (NAMMCO)

<input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2025/SYM/SCICOM03

Resolution Parent (select one)
Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Chris Lynam	Marta Majewska

The International Institute of Fisheries Economics & Trade (IIFET) 2026 Conference (17-21 August 2026)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-02-01

End Date: 2026-12-31

Symposium Title (character limit: 280)

The International Institute of Fisheries Economics & Trade (IIFET) 2026 Conference

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Hirotsugu Uchida	IIFET President	huchida@uri.edu	USA
Hans Ellefsen	University of the Faroe Islands	hanse@setur.fo	Faroe Islands
Olivier Thébaud	Ifremer	olivier.thebaud@ifremer.fr	FR
Angela Muench	CEFAS	angela.muench@cefas.gov.uk	UK

Symposium Website URL (if known)

The symposium website will be hosted by IIFET, the URL is not yet known. The overarching IIFET site is hosted at <https://iifet.oregonstate.edu/>

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

The International Institute of Fisheries Economics & Trade (IIFET) was founded in 1982 to promote interaction and exchange between people from all countries and professional disciplines about marine resource economics and trade issues. Industry members, government and academic researchers, and managers from over 60 countries benefit from membership in IIFET's network. The IIFET conference is hosted every two years, and is attended by fisheries economists and other social scientists, managers, and industry members from all of the world's fishing areas. IIFET conferences provide participants with unparalleled opportunities to interact with the world's foremost fisheries economists in both formal and informal settings.

The next IIFET conference will be organised by the University of the Faroe Islands, in Tórshavn, Faroe Islands, from 17-21 August 2026, bringing the IIFET network to the North Atlantic again, and providing a unique opportunity to strengthen the collaborations with the ICES science and advice community.

Although the scientific programme is yet to be developed, the draft list of focus topics aligns tightly with ICES Science Priorities (2019), as detailed below.

- Fisheries Management and Sustainability (Science Plan code 6.4, 7.3)
- Aquaculture (Science Plan code 5.5, 5.6, 5.7, 7.1)
- Seafood Markets (Science Plan code 5.8)
- Modelling Fisheries: Bioeconomic and Other Models (Science Plan code 2.7, 4.3)
- Recreational Fisheries and Tourism (Science Plan code 5.4, 7.1)
- Ecosystem-based Management and Marine Spatial Planning (Science plan code 2.7, 4.5, 5.3, 6.2, 6.4, 6.5, 6.6, 7.1, 7.3, 7.4, 7.6)
- Small-scale and Developing County Fisheries (Science Plan code 5.4, 7.7)
- A Changing Political and Environmental Climate (Science Plan code 6.1, 6.3, 7.4, 7.6)

In addition to the above alignment with the Science Plan, the IIFET conference aligns with the Advisory Plan Priority, particularly by identifying disciplines and institutions that could collaborate with ICES and improve and add context to ICES advice. IIFET members have expertise that would be valuable to ICES on issues including methods and tools for trade-off analyses, the inclusion of economic dimensions in fisheries management, and informing marine spatial planning. The conference's focus on ecosystem-based management aligns strongly with the ICES Science, Advisory and Strategic Plans, particularly with respect to incorporating economic dimensions, while also taking into account broader social and cultural information.

The IIFET conference supports Early Career Researchers (ECRs), including a Best Student Paper Award, pre-conference workshops, and networking events which are well aligned with the ICES Strategic Initiative on the Inclusion of Early Career Scientists (SIECS). The IIFET Executive Committee has also been developing a mentoring program for early career researchers which will be initiated during the 2026 conference. By supporting Early Career Researcher participation in the conference, ICES support would be instrumental in initiating this program, which could lead to identifying a network of ECRs invested in the ICES community. The aim of this program is to strengthen the capacity to integrate economic dimensions in ICES science and advice, a key challenge which has been identified by ICES working group on economics (WGECON) and its Human Dimensions Steering Group. IIFET also encourages diverse, equitable and inclusive participation in the conference and supports the participation of many developing country researchers.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-08-17	End Date: 2026-08-21

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
The Nordic House	In-person	350

City/Town	Country
Tórshavn	Faroe Islands

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

The 2026 IIFET Conference will be hosted at the Nordic House in Tórshavn, Faroe Islands (<https://www.nlh.fo/en>) August 17-21, 2026. Tentative timeline for the development of the scientific programme is as follows:

October, 2025 – Special Session proposal submission window
 November, 2025 – February, 2026 – Abstract submission window
 March, 2026 – Best Paper Award submission deadline
 April, 2026 – Registration opens

June, 2026 – Early Bird Registration closes
 July, 2026 – Regular Registration closes (presenter deadline); Late Registration begins

Predicting attendance for an IIFET conference can be challenging due to significant variations. For reference, here is the participation breakdown from ***IIFET 2024 Penang***:

- 344 total registrants from 49 countries
 - 43% from 27 Low/Middle/Upper-Middle Income countries
 - 37% from 22 High-Income countries
 - 20% students, representing 24 countries
 - 47% women; 52% men

The program featured:

- 54 concurrent sessions with 278 oral presentations
- 13 poster presentations
- 9 keynote speakers
- 4 pre-conference workshops

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

Monday, August 17 – Pre-conference workshop; Welcome reception, including an early-career researcher networking component.

Tuesday, August 18 –Wednesday, August 19 – Poster Session

Thursday, August 20 – Gala Dinner

Tuesday, August 18 – Thursday, August 20 – Concurrent and special sessions

Friday, August 21 – Fishery-focused excursions

In addition to the general program structure, the IIFET conference will host a session jointly developed with ICES WGECON and SCICOM members, and in collaboration with the IIFET Executive Committee, on a topic of common interest across IIFET, ICES and the Faroe Islands. Given the location in the Faroe Islands and the rich and diverse economics and social science experience of IIFET participants, we intend to develop a session that aims to improve ecosystem-based management (EBM) management tools. Specifically, ecological, social, and economic information are all important to achieving EBM goals. However, there are scientific, data, and communications challenges of making trade-offs over these domains. The outputs from this session can provide valuable input to ICES EBM process in general and FEISA approach. We will invite and welcome a diversity of fisheries managers to the session to ensure that the session is practical and relevant to ICES advice as well as science.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

WGECON, WGSOCIAL, WGENGAGE, HUDISG, EAMSG, ASG, WGSEDA, WGECCA, WGFSN, WGREIA, WGAAW

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

Past ICES WGECON co-Chair and current member Olivier Thebaud was IIFET President when the Faroe Islands was chosen as the host for the 2026 IIFET conference. Current WGECON co-Chair Angela Muench is on the IIFET Executive Committee. Angela, Olivier, and current WGECON co-Chair Geret DePiper will all serve on the IIFET Scientific Committee and help develop the agenda and scientific programme for the IIFET Conference. This collaboration will include the participation in selecting awards recipients, and co-sponsor symposia. Members of the working groups with HUDISG (e.g. WGSOCIAL, WGENGAGE) usually attend the conference and present their latest work.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#); particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

We are requesting ICES co-sponsorship of the 2026 IIFET Conference, to include the following:

- Financial support. ICES co-funding to support the participation of early career scientists (10 000 euro) who would be attending, and potentially participating in the new mentoring program IIFET hopes to launch in conjunction with the 2026 conference;
- Provision of ICES logo for use on symposium materials;
- Promoting the symposium through ICES social media channels.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

University of the Faroe Islands
 Visit Faroe Islands
 Municipality of Tórshavn
 GRÓ Fisheries Training Programme
 NOAA
 Fisheries and Oceans Canada
 OECD

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): IIFET 2026 Proceedings

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

We aim to increase the capacity of ICES in developing, integrating, and delivering social and economic models, information, and analyses into scientific and advisory products.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice	Priority 2: Identifying needs
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ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sea and society	Priority 2: Seafood production
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Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one) **Non-Geospecific**

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81)

<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)

<input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	
IIFET	OECD
U.S. NOAA Fisheries	NISEA
Fisheries and Oceans Canada	NOFIMA
New Zealand Ministry for Primary Industries	Norwegian College of Fishery Science
I University of Copenhagen & University of Southern Denmark IFREMER Visit Faroe Islands GRÓ Fisheries Training Programme	Sea Fish Industry Authority WorldFish University of the Faroe Islands Municipality of Tórshavn

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database

2025/SYM/SCICOM04

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)

Chris Lynam

Supporting Officer (if relevant)

Barbora Valach-Rasul

Advancing Digital Twins of the Ocean (DTO): Integrating Socio-Ecological Data, Models, and Applications for Sustainable Marine Management and Policy (21-22 October 2026)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-01-31

End Date: 2026-12-31

Symposium Title (character limit: 280)

Advancing Digital Twins of the Ocean (DTO): Integrating Socio-Ecological Data, Models, and Applications for Sustainable Marine Management and Policy

Symposium Conveners (maximum 5 individuals)			
Full Name	Institute	Email	Country
Henning Sten Hansen	Aalborg University Copenhagen	hsh@plan.aau.dk	Denmark
Lara Veylit	SINTEF Ocean	lara.veylit@sintef.no	Norway
Patrycja Antosz	NORCE Norwegian Research Centre AS: Centre for Modelling Social Systems	paan@norceresearch.no	Norway
Biswajit Basu	Trinity College Dublin	basub@tcd.ie	Ireland

Symposium Website URL (if known)
Will be published on respective project websites and LinkedIn.

Scientific Justification (character limit: 1500)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science , Advisory , and/or Strategic Plans
<p>This symposium advances socio-ecological models in the European Digital Twin Ocean (EU DTO), demonstrating the relevance of ECOTWIN, SEADOTs, SURIMI, and SEADITO, and their alignment with ICES Science, Advisory, and Strategic Plans. It fosters collaboration among disciplines, stakeholders, the ICES data centre, and working groups, including WGMPCZM, WGOWDF, WGSEDA, WGSOCIAL, WGECON, WGBESEO, WGSAM, and WGCEAM, addressing key marine management challenges.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Showcase socio-ecological modelling techniques (e.g., graph theory, generative AI, Bayesian statistics) for marine spatial planning, assessing human impacts such as offshore wind development, fisheries, and ecosystem service changes. 2. Highlight FAIR-compliant decision-support tools for scenario analysis of environmental changes, human activities, and policy implementation. 3. Strengthen multi-actor processes by integrating policymakers, marine industries, and local communities in co-designing ecosystem-based management (EBM) solutions. <p>Key outcomes include spatially explicit DTO-compatible models, dynamic scenario toolkits, and educational resources to enhance ICES advisory services. These tools will help member states address offshore wind expansion, human pressure mitigation, and ecosystem resilience.</p> <p>Aligned with ICES priorities in Ecosystem Science, Observation, and Sea and Society, the symposium strengthens the science-policy interface, supports the EU Mission “Restore our Ocean and Waters,” and advances Destination Earth, balancing ocean health with a thriving blue economy.</p>

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-10-21	End Date: 2026-10-22

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
Aalborg University campus Copenhagen	In person / hybrid	150

City/Town	Country
Copenhagen	Denmark

<p>Comments on dates, timeline, venue, location, and participants (character limit: 500)</p> <p>For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration</p>
<p>Symposium Dates (yyyy-mm-dd)</p> <p>Start Date: 2026-10-21</p> <p>End Date: 2026-10-22</p> <p>The proposed dates are tentative for now, but we aim at October / November 2026. The symposium will be organised and convened by four sibling projects—ECOTWIN, SEADOTs, SURIMI, and SEADITO which plan to have their annually general assembly (GA) in conjunction with a symposium that showcases results and brings them for discussion to a wider audience. We plan only for a one- or two-day symposium within this period plus time for the GAs.</p>

<p>Symposium Programme (character limit: 1500)</p> <p>Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events</p>
<p>Symposium on Socio-Ecological Digital Twins for Marine Management</p> <p>Theme: Advancing Decision-Support Tools for Sustainable Ocean Governance</p> <p>Day 1: Scientific Advances & Regional Applications</p> <ul style="list-style-type: none"> • Opening Remarks & Keynote (<i>UN Ocean Decade DITTO Representative</i>) • Session 1: Innovations in Socio-Ecological Digital Twin Models <ul style="list-style-type: none"> ○ Graph Theory, Bayesian AI & Participatory Modelling (<i>ECOTWIN, SEADOTs, SURIMI</i>) • Session 2: Regional Case Studies & ICES Relevance

- Offshore Wind & Fisheries (*ICES WGOWDF*)
- Marine Spatial Planning (*WGMPCZM*)
- Coastal Socio-Ecological Systems (*SEADITO*)
- **Special Session: Collaboration with ICES & UN Decade Programs** (*DITTO, Marine Life 2030, ICES WGs*)

- **Poster Session & Networking Reception**

Day 2: Policy, Stakeholder Engagement & ECOPs

- **Session 3: Digital Twins for Science-Policy Interface** (*EU Mission Ocean, Decision-Support Tools*)
- **Special Session: ECOPs & Capacity Building** (*Training, DTO Access, Career Opportunities*)
- **Final Roundtable: Future Directions in Digital Twin Ocean Science**
- **Closing Remarks & Next Steps**

This symposium strengthens **ICES collaborations**, **aligns with UN Ocean Decade priorities**, and **empowers early-career scientists** to co-design next-generation **marine socio-ecological models**.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

Working Group on Marine Planning and Coastal Zone Management (WGMPCZM),

Working Group on Offshore Wind Development and Fisheries (WGOWDF),

Working Group on Social and Economic Dimensions of Aquaculture (WGSEDA)

WKWIND - Workshop to develop guidelines on how to approach the ecological, economic and social trade-offs between offshore renewable energy developments (wind farms) and fisheries

DITTO Digital Twins of the Ocean UN Decade program

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES is a project partner in one of the sibling projects (SEADOTs) and will be closely involved in the planning of this symposium hence the ICES PO is already embedded. ICES tasks are within training and policy outreach which is well-aligned with the proposed program.

We welcome ICES support in any role that is feasible and suggested above: conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assisting with the selection of plenary speakers, awards recipients, or early career support.

We would be very grateful for endorsement of the proposed symposium by ICES, as well as sponsorship and organisational support for participation of Early Career Ocean Professionals ECOPs.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#); particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

We would like ICES to assistance with advertising. We plan to use the ICES logo in our promotion of the symposium and would appreciate ICES staff for any help with planning and organising the event.

Specifically, we ask for:

- To promote the symposium via website news and social media posts.
- To permit use of the ICES logo on all symposium documentation and advertising

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Venue and catering will be paid through the EU project budgets.

We will try to secure additional support from the EU but since there is project funding, we are not optimistic for a positive outcome. We might seek funding through our DITTO community as well and are currently in the process of being endorsed as a separate action that combined the four sibling projects under the UN Decade.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify):

No publication intended

General Information**Resolution Status (select one)**

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The symposium advances the integration of socio-ecological models into Digital Twin Oceans to enhance marine spatial planning, policy-making, and sustainability, fostering collaboration between ICES, UN Ocean Decade programs, policymakers, industry, and early-career scientists.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sharing evidence

Priority 2: Highlighting benefits

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sea and society

Priority 2: Impacts of human activities

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

The ICES Advisory Plan 2025, published at https://issuu.com/icesdk/docs/ices_advisory_plan_2025, states ‘Building capacity and resilience’ and ‘Ecosystem and climate-informed actionable advice’ as priority areas. While we could not choose these from the drop down menus above, we strongly believe that these are the fundamental priorities that fit our symposium best.

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input checked="" type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input checked="" type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input checked="" type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87)

<input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Pacific, Southwest (FAO area 81)
<input checked="" type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)

<input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input checked="" type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input checked="" type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	
UN Decade for Ocean Science	
Norwegian Offshore Wind	
Innovation Norway	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2025/SYM/SCICOM05

Resolution Parent (select one)
Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Harald Hasler-Sheetal	Alondra Sofia Rodriguez

9th International Symposium on Deep-Sea Corals (9ISDSC) (2-6 November 2026)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)	
Start date is date of submission of the resolution form. End date is December 31 of the symposium year.	
Start Date: 2025-01-31	End Date: 2026-12-31

Symposium Title (character limit: 280)
9th International Symposium on Deep-Sea Corals (9ISDSC)

Symposium Conveners (maximum 5 individuals)			
Full Name	Institute	Email	Country
Andrea Gori	Universitat de Barcelona	gori@ub.edu	Spain
Covadonga Orejas	Instituto Español de Oceanografía – Consejo Superior de	cova.orejas@ieo.csic.es	Spain

	Investigaciones Científicas		
Elisenda Pasto Codina	Biodiversity Research Institute	irbio@ub.edu	Spain

Symposium Website URL (if known)
Not yet available.

Scientific Justification (character limit: 1500)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science , Advisory , and/or Strategic Plans
<p>We are delighted to organize the next International Symposium on Deep-Sea Corals (9TH ISDSC) in 2026 in Barcelona. This is the first time that this international event takes place in the Mediterranean Sea. This edition of the Symposium will build on the previous experiences and at the same time aims to generate new spaces and avenues to strengthen the links among scientific disciplines, arts and citizens.</p> <p>Deep-Sea Corals are fairly unknown to most people but widespread in our seas and oceans, including the Mediterranean Sea, and extremely relevant for the functioning of marine ecosystems. Also, they are magnificent and beautiful as terrestrial forests. Therefore, Corals are objects of study for science, but also a source of inspiration for artists. Nature is part of us, and we are part of nature, hence preserving these ecosystems and contemplating the life they harbour is also part of our well-being, just as when we contemplate mountains, forests and beaches.</p> <p>Unfortunately, the fate of our planet, due to our insatiable need for resources, is not looking great and Deep-Sea Corals, which are part of the so called Vulnerable Marine Ecosystems (VMEs), as all other living creatures, are suffering the reduction of their habitats. However, most people are not aware of this situation. Deep-Sea Corals are somehow invisible to us, as they inhabit the depths of the oceans.</p>

The 9TH ISDSC would like to conjure the scientific know-how, the beauty of nature and the power of art to visualize these hidden ecosystems and engage scientists, artists and citizens to achieve a common goal: make Deep-Sea Corals present in the imagination of people and raise awareness of the importance of preserving the ecosystems they build.

Several of the ICES Science Plan priorities are highly relevant for the 9TH ISDSC, remarkably “Ecosystem Science”, “Observation and Exploration” and “Conservation and Management Science”. Further the topics

“Identifying needs” as well as “Evolving advice” included in the OCES Advisory Plan are also important aspects for the 9TH ISDSC.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-11-02	End Date: 2026-11-06

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
Historical Building of the Universitat de Barcelona	In-person	300

City/Town	Country
Barcelona	Spain

Comments on dates, timeline, venue, location, and participants (character limit: 500)
For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration
<p>This is the first time that this international event will take place in the Mediterranean Sea</p> <p>The venue will take place in the city of Barcelona, at the Historical Building of the University of Barcelona located downtown and well connected.</p> <p>The location is easy to arrive for participants and for any citizen interested in the associated exhibition.</p> <p>The dates are confirmed: 5 days, from 2nd november to 6th november 2026.</p>

Abstract submission will open in January 2026. Registration will open in April 2026.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

This edition of the Symposium will build on the previous experiences and, at the same time aims to generate new spaces and avenues to strengthen the links among scientific disciplines, arts and citizens.

This will be a five full-day symposium. Each morning will open with an invited keynote presentation introducing the theme of the day. Five themes will be addressed in the symposium, one each day (9 – 19h):

2nd Nov – Diversity and Distribution

3rd Nov – Environmental Settings

4th Nov – Transdisciplinary Knowledge

5th Nov – Biology and Ecology

6th Nov – Conservation

Each day, 12 oral presentations will follow the keynote during the morning (including a coffee break) and 8

oral presentations in the afternoon. After lunch break, the poster section will follow with presentations of 20 posters related to the day's theme (posters will be replaced every day) accompanied by finger-food and

beverages to support discussion of posters. This organization will result in a total of 5 keynote, 100 oral and

100 poster presentations. ICES representatives will be involved in the selection of key notes and presenters.

Other activities: The 9TH ISDSC would like to conjure the scientific know-how, the beauty of nature and the

power of art to visualize these hidden ecosystems and engage scientists, citizens and artists to achieve a

common goal: make Deep-Sea Corals present in the imagination of people and gain/raise/rise/increase

awareness of the importance of preserving the ecosystems they build. We will work with international artists and schools of art from Barcelona to develop an ART-SCIENCE exhibition in the hall of the UB historic

building recreating the Deep-Sea Coral ecosystems with visual projections, lights and sound and holographic

images if it's possible.

Themes such as “Transdisciplinary Knowledge” and “Conservation” will benefit from the contributions from

chairs or moderators of ICES WG members, specifically from the WG DEC and MHM. The convener Dr. Gori

and Dr. Orejas are already in contact with members of these two groups to design the scope of these sessions.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

One of the Symposium organisers, Dr. Covadonga Orejas, is part of the ICES Working Group on Deep-water

Ecology (WGDEC) since 2017. She would like to announce the Symposium within the group in the forthcoming meeting which will take place in Santander from the 24th to the 28th of March 2025.

Furthermore, we are in contact with members of the WG on Habitat Mapping (WGMHM) which is as well a

highly relevant topic for several of the topics considered in the Symposium program.

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

As mentioned above, one of the conveners (Covadonga Orejas) is member of the ICES Working Group on Deep Water Ecosystems (WGDEC). She is already in contact with other members of WGDEC, as well as with other relevant WGs of ICES (specifically WGMHM) for the planning of the Symposium.

The WGDEC includes as a relevant topic Vulnerable Marine Ecosystems (VMEs), therefore, members of WGDEC as well as members from the WGs mentioned above on Habitat Mapping (WGMHM) would be perfect session chairs for several of the planned sessions.

In the preliminary plans for the Symposium committees, members from WGs of ICES have already been considered as potential members of the organising and scientific committee, beside C. Orejas, as co-organiser of the Symposium, other scientists Marina Carreiro-Silva, Meri Bilan, Kerry Howell who are members of WGDEC, will be invited to join the Symposium organisation.

We would be delighted to count -whenever possible- with the presence of an ICES Secretariat representative joining the Organising Committee and participate, among other tasks, in selecting Early Career Scientists for ICES funding.

Thanks to ICES' financial support for early career researchers participating in the Symposium, they will have the opportunity to gain insight into -and actively engage - the work carried out by ICES.

This involvement will highlight the importance of being part of ICES' Working Groups, Workshops, and other activities as a scientist.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) ; particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising,

website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

1. Provision of ICES logo for use on symposium materials
2. Promoting the symposium through ICES social media channels

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Universitat de Barcelona

Instituto Español de Oceanografía-Consejo Superior de Investigaciones Científicas

Barcelona City Council

Deep-Sea Biology Society

Barcelona Zoo

Aquarium of Barcelona

Aquarium of Gijon

Aquarium Finisterrae

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify):

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The 9TH International Symposium of Deep-Sea Corals (ISDSC) aims to combine scientific expertise, the beauty of nature, and the power of art to bring these hidden ecosystems into the spotlight. By engaging scientists, artists, and citizens, the symposium seeks to achieve a common goal: to make Deep-Sea Corals a vivid part of public imagination and to raise awareness about the critical importance of preserving the ecosystems they support.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Identifying needs

Priority 2: Evolving advice

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Ecosystem science

Priority 2: Conservation and management science

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)

<input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs)
<input type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	
OCEAN	
IUCN	
WWF	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2025/SYM/SCICOM06

Resolution Parent (select one)
Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Sebastian Valanko	

International Conference on Harmful Algae (ICHA) 2027 (18-22 October 2027)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2025-01-31**End Date:** 2027-12-31**Symposium Title (character limit: 280)**

International Conference on Harmful Algae (ICHA) 2027

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Christine Edwards	Robert Gordon University (RGU)	c.edwards@rgu.ac.uk	UK
Linda Lawton	RGU	l.lawton@rgu.ac.uk	UK
Keith Davidson	Scottish Association of Marine Sciences	Keith.Davidson@sams.ac.uk	UK
Eileen Bresnan	Marine Directorate	Eileen.Bresnan@gov.scot	UK
Dave Clarke	Marine Institute	Dave.Clarke@Marine.ie	Ireland

Symposium Website URL (if known)

In progress

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

Harmful Algal Blooms (HABs) are a global problem and the majority of countries within the ICES area

have experienced negative impacts from HABs on their aquaculture, fisheries and tourism industries. The 22nd International Conference of Harmful Algae (ICHA 22) will be held in Aberdeen, UK in 2027. These conferences attract a global participation and report on the new problems faced by the HAB community, and the advances in research and management needed to tackle them to ensure sustainable use of the ocean. Participation from countries in the ICES area is high.

The global problem spans most ICES themes. Planned topics include:

HABs and climate change

HABs and Aquaculture

HABs and socioeconomics

Regional HABs (including the ICES area)

HABs and taxonomy

HABs and toxins

HABs and diversity

HABs and human health

HABs and early warning/mitigation (food security)

Symposium Dates (yyyy-mm-dd)	
Start Date: 2027-10-18	End Date: 2027-10-22

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
P & J Live	In person	700

City/Town	Country
Aberdeen	UK

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

Dates confirmed

Abstracts will be open January 2027

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

- The impact of phytoplankton blooms on farmed fish health
- Monitoring and modelling for HABs prediction – the state of play
- HABs and global aquaculture – future-proofing the sector
- Sensing, imaging, AI, data and machine learning – the future of HABs management
- The impact of phytoplankton blooms on shellfish production
- Mitigation methods: how to prevent or reduce the harmful effects of algal blooms (case studies could include upwelling/air bubble mitigation, e.g. trials completed by BIM in Ireland)
- Diagnostic methods (Christine E. will be able to provide expertise)
- HABs and taxonomy
- HABs and toxin production
- HABs and climate change
- Regional HAB events
- The socio-economic aspects of HABs
- HABs and human health
-

We will also have an industry day and workshops are likely but not yet planned.

Additional initiatives:

- Skills & training: SAIC has recently succeeded in drawing down funding from Defra for a major two-year training programme in sector-wide, standardised monitoring of harmful algal blooms. The collaborative programme – incorporating partners like SAMS and Lantra – aims to train around 1,800 sector professionals and students. We think this course would make an interesting case study for the event.
-
- It would also be good to get MSc and PhD students from the relevant degree programmes involved: to provide secretariat, take part in poster competitions, or receive grants to attend the conference.
-
- Student workshops/conference: To drive more students, a dedicated student workshop/event will take place at the congress, and a drive to promote the subject area to drive a new generation to work in the industry.

The IOC Intergovernmental Panel for HABs operates via a number of Task Teams. These task teams frequently use ICHA as a forum to meet and present their work to the global HAB scientific community. It is anticipated that there will be workshops about initiatives under way in the global panel.

As this is a global conference, regional IOC HAB groups have the chance to meet and review activities and open to members of the conference.

ICHA conferences have an 'early career' workshop prior to the ICHA with mentor/mentee opportunities

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

This conference addresses all four pillars of the ICES strategic plan (advancing Ecosystem and understanding, essential data for science and advice, evidence for decision making and working together. This conference is directly relevant to the working groups and steering groups listed below;

Joint ICES/IOC Working Group on Harmful Algal Bloom Dynamics (WGHABD)

ICES WG Phytoplankton and Microbial Ecology (WG PME)

ICES WG Integrated Morphological and Molecular Techniques (WG IMT)

ICES Aquaculture Steering Group

ICES Ecosystem Processes and Dynamics Steering Group

ICES Human Activities, Pressures and Impacts Steering Group

ICES Ecosystem Approaches and Methods Steering Group

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES representatives will be part of local organising committee and it is expected that ICES participants will chair sessions and lead workshops. Members of the ICES-IOC WG HABD are members of the IOC Global HAB Scientific Steering Committee and thus ICES will have a direct influence in the scientific programme for the conference and production of scientific proceedings. ICES WG members are anticipated to participate and mentor student delegates and participate in award voting.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

ICES is requested to provide:

10,000 euros to support attendance of early career researchers

Use of logo on conference documentation

31/03/2025

SICOM decided to grant an endorsement-only status to this symposium, which includes:

- Provision of ICES logo for use on symposium materials
- Promoting the symposium through ICES social media channels

In March 2026 SCICOM will reevaluate whether this symposium should be also granted a co-sponsorship, including 10.000 EUR for ECS support.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Majority of funding will be from conference fee and sponsorship – budget already in place along with risk plan.

Planned sponsors/exhibitors:

Lateral Dx, RS Aqua, SAIC, Waters, OTAQ, Pharmaq, Mowi, Vet Aqua, Varicon Aqua, Clear Water Sensors, CPI Equipment Inc, SalmoSim, Scottish Shellfish, Stingray, Xanthella, Enzo Life Sciences, Beacon Analytical Systems Inc, Algal Resources Collection, Cifga, Merck KgaA, Cytobuoy B.V., Beckman Coulter, Royal Society of Chemistry, IBioIC, Suez, Veolia, SEPA, Agilent, Thermofisher

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): Proceedings will be published in IOC Newsletter Harmful Algae News (now with DOI number and searchable index).

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The aim of this resolution is to provide support for early career researchers to participate in the International conference on harmful algae (ICHA) in 2027.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice

Priority 2: Incorporating innovation

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Seafood production

Priority 2: Observation and exploration

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81)

<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)

<input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input checked="" type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input checked="" type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input checked="" type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input checked="" type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2025/SYM/SCICOM07

Resolution Parent (select one)
Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Chris Lynam	

Resolutions approved in 2024

Applying the Ecosystem Approach to Fisheries Management in ABNJ (11–13 March 2025)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2024-01-31

End Date: 2025-12-31

Symposium Title (character limit: 280)

Applying the Ecosystem Approach to Fisheries Management in ABNJ

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Anthony Thompson	FAO Deep-sea Fisheries Project	Anthony.thompson@fao.org	Sweden
Andy Kenny	CEFAS	andrew.kenny@cefas.gov.uk	UK
Brynhildur Benediktsdóttir	NAFO	bbenediktsdottir@nafo.int	Canada
Eszter Hidas	Deep-sea Fisheries Project, UN FAO	Eszter.hidas@fao.org	Italy

Symposium Website URL (if known)

The NAFO Secretariat will host the website. URL not currently known

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

The implementation of EAFM is a scientific and management responsibility of regional fisheries bodies in the High Seas such as Regional Fisheries Management Organisations (RFMOs). This EAFM symposium will define the scope of EAFM and develop its scientific and management basis for implementation in the High Seas by RFMOs. It recognises that EAFM includes all components of the ecosystem and on Day 1 the symposium will build upon the scientific bases of the ecosystem effects of retained and discarded catches by commercial fishing vessels, the consequences of fisheries related ecosystem impacts and climate change. The 2nd day will focus on the practical assessment and management of impacts and review current EAF practices in RFMOs. The final day will be organised to facilitate the final drafting of global EAFM guidelines for the High Seas.

This symposium is of relevance to the work of ICES, especially in relation to the protection of biodiversity (e.g. VMEs) and the sustainability of deep-water fisheries in the high seas. It aims to bring the

scientific approaches and management responsibilities for the conservation of marine resources closer together. It will support early career scientists and encourage a diverse, equitable and inclusive participation, especially for the leadership of sessions.

The FAO Deep-sea Fisheries Project will work with its partner RFMOs to develop draft EAFM guidelines in the pre-symposium period that will form the basis of the third day of the symposium.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2025-03-11	End Date: 2025-03-13

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
FAO HQ	In person	100

City/Town	Country
Rome	Italy

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

Held over three consecutive days in March/April 2025 (pos. within 10–14 Mar or 31 Mar–4 Apr)

Concept note for circulation by 31 January 2024

Registration opens March 2024

Abstract submission by 31 May 2024

Location is FAO HQ, Rome, Italy.

Participants will be scientists and managers from around the world, and preferably have experience in working with RFMOs.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

Pre-symposium

FAO Deep-sea Fisheries (DSF) Project to work with RFMOs to further develop the draft EAFM guidelines building on presentations and discussions at the symposium. This will form the basis of Day 3 of the symposium.

Day 1 – The scientific side of EAFM

Keynote speaker: An introduction to EAFM

Retained species

Effects of removals of commercially valuable fish and shellfish from the ecosystem.

Discarded bycatch species

Impacts on taxa that are discarded or impacted during fishing operations.

Ecosystem effects

Changes in ecosystem productivity and function either caused by fishing or from external factors affecting fisheries.

Day 2 – Moving from science advice to management

Keynote speaker: FAO E-learning course “Ecosystem approach to fisheries”¹.

Current scientific advice on EAF – a survey of RFMOs

Survey of scientific contributions of dsRFMOs, CCAMLR, and tuna-RFMOs to EAFM.

Indicators and monitoring

Indicators and monitoring and the data collection required to support this.

Assessment of impacts

Assessing impacts is fundamental to EAFM and also part of a wider process dealing with healthy oceans.

Day 3 – EAFM frameworks/roadmaps and guidance to dsRFMOs

RFMOs are responsible for the management of fisheries, including their impacts, in the high seas. Many RFBs have not formerly adopted management measures for EAFM, but they can play a significant role in providing advice and giving guidance. The third day aims to finalise a global framework and set of guidelines to support the above organisations in implementing EAFM.

Keynote speaker: Ecosystem overfishing and participatory processes “The development of the NAFO EAFM roadmap”

Developing a global EAFM framework to guide implementation

Participatory processes in finalising global EAFM guidelines/framework supporting dsRFMOs to implement EAFM.

General discussions - way forward and future plans

Open discussions and drafting of recommendations.

Early career scientists

In addition to presentations, we would like to involve early career scientists, in reviewing submissions and papers, and chair sessions.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

HAPISG, AEASG, FRSG, IEASG

¹ <https://elearning.fao.org/course/view.php?id=784>

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The ICES Secretariat is a partner in the DSF project with Anne Cooper leading ICES involvement. This symposium is one of the activities under the DFS Project.

ICES representatives will be included as symposium conveners (see above), and on the organising committee and the scientific committee. Most of the people on these lists have worked with ICES on various working groups.

Organising committee

Andrew Kenny (ICES HAPISG Chair)
 Anne Cooper (ICES Secretariat)
 Tom Blasdale (NAFO Secretariat)
 Anthony Thompson (DSF Project, FAO)

Scientific committee

Andy Kenny (ICES HAPISG Chair)
 Debbi Pedreschi (ICES IEASG Chair)
 Jonathan White (ICES FRSG Chair)
 Diana González-Troncoso (NAFO, EU-Spain)
 Mariano Koen-Alonso (NAFO, Canada)
 Miguel Caetano (NAFO, EU-Spain)
 Rick Rideout (NAFO, Canada)
 Tom Blasdale (NAFO Secretariat)
 Anthony Thompson (FAO, DSF Project)

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents,

agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

- Financial support. ICES co-funding for EAFM symposium to support the participation of early career scientists (10 000 euro);
- Provision of ICES logo for use on symposium materials;
- Promoting the symposium through ICES social media channels;
- Provide support on the various committees (Mainly advisory, it is not expected to be onerous as most organisation work will be undertaken by DSF Project);
- Some presentations yet to be decided.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Committed support - DSF Project, FAO

Venue cost, consultancy support, editing/layout support for publication, travel (Project staff and up to 20 selected participants), and lead-up workshops (\$115,050)

Pending support – NAFO

- International travel associated with NAFO keynote speakers \$10,000

Pending support – ICES

- Early career scientists travel costs to attend symposium Euro 10,000 (=c. \$10,900)

There will not be any symposium registration fee or publication costs for presenters.

We are expecting c. 100 participants.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

- Publication intended (specify): NAFO Journal of Northwest Atlantic Fishery Science
- No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

This international symposium with FAO and NAFO will present aspects of Ecosystem Approach to Fisheries Management (EAFM) in the High Seas and conclude with the development of a general framework to assist RFMOs

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice

Priority 2: Sharing evidence

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Ecosystem science

Priority 2: Conservation and management science

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

- The FAO DSF Project will work with RFMOs on the framework/ guidelines in the lead-up period.
- The symposium is global and will include all RFMOs (whereas the focus is on the dsRFMOs, the symposium will also include the tuna-RFMOs through the FAO tuna project for developing the EAF framework and in the symposium).

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions

- Adriatic Sea
- Aegean-Levantine Sea
- Arctic Ocean
- Atlantic, Northeast (FAO area 27)
- Azores
- Baltic Sea
- Barents Sea
- Bay of Biscay and the Iberian Coast

Areas outside ICES Ecoregions and Adjacent Ecoregions

- Arctic Sea (FAO area 18)
- Atlantic, Antarctic (FAO area 48)
- Atlantic, Eastern Central (FAO area 34)
- Atlantic, Northwest (FAO area 21)
- Atlantic, Southeast (FAO area 47)
- Atlantic, Southwest (FAO area 41)
- Atlantic, Western Central (FAO area 31)

<input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input checked="" type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input checked="" type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input checked="" type="checkbox"/> Pacific, Northeast (FAO area 67) <input checked="" type="checkbox"/> Pacific, Northwest (FAO area 61) <input checked="" type="checkbox"/> Pacific, Southeast (FAO area 87) <input checked="" type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

<p>Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)</p> <p><input checked="" type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM)</p> <p><input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT)</p> <p><input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO)</p> <p><input checked="" type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC)</p> <p><input checked="" type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)</p>
<p>Regional Sea Conventions</p> <p><input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)</p> <p><input checked="" type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)</p>
<p>Arctic Networks</p> <p><input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP)</p> <p><input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF)</p> <p><input type="checkbox"/> International Arctic Science Committee (IASC)</p> <p><input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)</p>
<p>Scientific Intergovernmental Organizations (IGOs)</p> <p><input type="checkbox"/> Mediterranean Science Commission (CIESM)</p> <p><input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)</p> <p><input type="checkbox"/> North Pacific Marine Science Organization (PICES)</p>
<p>Other</p> <p><input type="checkbox"/> European Aquaculture Society (EAS)</p> <p><input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)</p>

Other organizations not listed above (if relevant)	
SEAFO, SIOFA, NPFC, SPRFMO	
CCAMLR	

ICES Secretariat to complete the information below

<p>Unique Identifier</p> <p>Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database</p>
2024/SYM/SCICOM01

<p>Resolution Parent (select one)</p> <p>Symposia should generally select SCICOM</p>
SCICOM

<p>Professional Officer (if relevant)</p> <p>Anne Cooper</p>	<p>Supporting Officer (if relevant)</p> <p>Camilla Scharff-Olsen</p>
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Fourth International Conference for Arctic Research Planning (ICARP IV) within Arctic Science Summit Week (ASSW) 2025 (21–28 March 2025)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)	
Start date is date of submission of the resolution form. End date is December 31 of the symposium year.	
Start Date: 2024-02-01	End Date: 2025-12-31

Symposium Title (character limit: 280)
Fourth International Conference for Arctic Research Planning (ICARP IV) within Arctic Science Summit Week (ASSW) 2025

Symposium Conveners (maximum 5 individuals)			
Full Name	Institute	Email	Country
Matthew Druckenmiller	University of Colorado Boulder	druckenmiller@colorado.edu	USA

Symposium Website URL (if known)
https://icarp.iasc.info/host & https://www.assw.info . The ASSW website currently is focused on ASSW 2024 but will be transitioned to focus on ASSW 2025 in April-May 2024.

Scientific Justification (character limit: 1500)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science , Advisory , and/or Strategic Plans
ASSW is an annual international gathering that convenes Arctic researchers, Indigenous Peoples, decisionmakers, and research partners from around the world. ICARP IV, which will be hosted within ASSW, is focusing the attention of the world’s researchers toward the value of strategic international coordination in addressing critical Arctic and global challenges. The ICARP IV Summit will create an equitable and inclusive gathering for research consultation and discussion with the aim of achieving consensus and building collaborations among the leading scientific, academic, environmental, Indigenous and political organizations currently concerned with Arctic issues. ICARP IV will identify important research questions and priorities that cut across disciplines and knowledge systems, and that require new and innovative thinking and collaboration. ICARP IV will develop a 10-year international Arctic research plan with a vision for implementation and clear and targeted science plans to be implemented by IASC members nations and a board spectrum of partners across the international Arctic research community, including ICES. The resulting plan will ensure an international and long-term framework for discussing how future research activities and approaches may enhance the wellbeing

of Arctic peoples, improve Arctic observing and our understanding of the Arctic in the global system, advance the stewardship of Arctic environments, and strengthen regional cooperation. The ICARP IV Summit will also be a key milestone and instrument for advancing longer-term planning for the fifth International Polar Year (IPY) in 2032-33.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2025-03-21	End Date: 2025-03-28

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
University Memorial Center, University of Colorado Boulder	Hybrid	700 in person; 500 virtual

City/Town	Country
Boulder, Colorado	USA

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

The call for ASSW community meetings, business meetings, and workshops will open in May 2024. The call for sessions will open in August 2024. The agenda will be released in late October 2024. Registration will open in early November 2024.

The noted dates for the conference are set. The location for the meeting has been reserved already, including for plenary events, parallel sessions, the poster session, and conference receptions. Various hotel room blocks have already been reserved nearby the conference location.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The structure of ASSW 2025 will follow a similar structure as recent ASSWs, with the inclusion of the ICARP IV Summit as the science-conference portion of the convening. ASSW 2025 will be held during March 21-28, with the following draft schedule:

- **March 21-24:** ASSW business meetings, community meetings, and workshops (to be identified through an open call during May-Aug 2024) and meetings of the International Arctic Science Committee (IASC) scientific working groups.
- **March 25-28:** ICARP IV Summit with four days of plenary and parallel sessions, plus:
 - **March 25:** Opening reception
 - **March 26:** Poster session
 - **March 27:** Conference Dinner
 - **March 28:** Closing ceremony

Within ASSW 2025, we also aim to include the Polar Early Career World Summit focusing on early career involvement in ICARP IV. This will be hosted collaboratively by the Association of Polar Early Career Scientists (APECS) and the Polar Science Early Career Community Office (PSECCO). The goal is to bring together individuals from within the polar early career community from around the world and across disciplines to discuss early career priorities that will feed into the ICARP IV process and the next International Polar Year (IPY) in 2032-2033. This World Summit will build on the success of past APECS World Summits to organize early career individuals from across disciplines to shape the future of polar research.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

The following ICES Network groups may benefit from participating within ICARP IV: Strategic Initiative on Integration of Early Career Scientists (SIIECS); Ecosystem Processes and Dynamics Steering Group (EPDSG); Human Activities, Pressures and Impacts Steering Group (HAPISG); Integrated Ecosystem Assessments Steering Group (IEASG); Human Dimension Steering Group (HUDISG); and ICES/PICES Strategic Initiative on Climate Change Impacts on Marine Ecosystems (SICCME)

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES is represented by Eirini Glyki who is serving on the ICARP IV International Steering Committee (ISC; <https://icarp.iasc.info/about/organisational-structure/steering-committee>). The ISC consists of appointees from all ICARP IV partner organisations and is tasked to oversee and coordinate the ICARP IV process, identify and develop overall goals, theme and agenda, sub-theme research questions, and mechanisms for action and implementation of the ICARP IV outcomes.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that

will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

We kindly request 10,000 Euros of support to be used to fund early career researcher travel and participation within ASSW and, in particular, within the Polar Early Career World Summit. We additionally seek support in advertising this opportunity with early career researchers who may wish to participate in this internationally important meeting.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Funding for ASSW 2025/ICARP IV will be partially provided through participant registration costs. Other sources of funding are secured or being pursued to lower the registration costs as much as possible. Currently, approximately \$100,000-\$200,000 in support from the U.S. National Science Foundation is being leveraged. We are seeking an additional \$100,000 from the U.S. National Science Foundation and several \$30,000-\$50,000 grants from other U.S. federal agencies. The International Arctic Science Committee (IASC) is also providing travel support for Indigenous participants and for early career researchers.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): ICARP IV will develop a 10-year international Arctic research plan with a vision for implementation and clear and targeted science plans to be implemented by IASC members nations and a board spectrum of partners across the international Arctic research community. Additionally, an ASSW conference report will summarize the conference—its goals, structure, lessons-learned, and overall results and outcomes. We anticipate other peer reviewed publications that will disseminate the results of the ICARP IV process to various disciplinary audiences and user communities.

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

ASSW 2025 and ICARP IV will identify important research questions and priorities that cut across disciplines and knowledge systems to shape the future of International Arctic research.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Identifying needs	Priority 2: Sharing evidence
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ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Impacts of human activities	Priority 2: Sea and society
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Additional Comments (character limit: 500) (optional)
 Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific
 Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input checked="" type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input checked="" type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input checked="" type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input checked="" type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters	<input checked="" type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77)

<input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)

<input checked="" type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs)
<input type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input checked="" type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2024/SYM/SCICOM02

Resolution Parent (select one)
Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Eirini Glyki	Camilla Scharff-Olsen

MARE People and the Sea conference 2025 (23–27 June 2025)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

**Resolution Term (yyyy-mm-dd)**

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2024-01-01**End Date:** 2025-12-31**Symposium Title (character limit: 280)**

MARE People and the Sea conference 2025

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Marloes Kraan	WUR	Marloes.kraan@wur.nl	The Netherlands
Joeri Scholtens	University of Amsterdam	J.Scholtens@uva.nl	The Netherlands
TBD			
TBD			
TBD			

Symposium Website URL (if known)

<https://marecentre.nl/mare-2023-conference/>

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

ABOUT MARE AND ITS CONFERENCE

The social science Centre for Maritime Research (MARE), established in 2000, is an interdisciplinary social science network organization devoted to expanding knowledge about the human dimensions of coastal and marine life, including their governance. Its objective is to provide a stimulating intellectual climate for academics and policymakers in Europe as well as in the South. It does so by amongst others, organising conferences.

Although MARE limits its action radius to the social sciences, it seeks active collaboration with disciplines belonging to the natural sciences and the humanities. It strives to maintain a balanced mix of academic and policy-oriented research.

MARE takes a global perspective and covers a broad spectrum of topics, drawing on expertise from fields such as law, history, economics, political science, public administration, anthropology, and geography.

MARE organises conferences every two years, the last one was in 2023, the next will be in 2025. The conferences are organised by a group of convenors with at least one representative of MARE's partners: Wageningen University and University of Amsterdam from the Netherlands, UiT Arctic University of Norway (Norwegian College of Fishery Science) and University of Aalborg (IFM-Centre for Blue Governance), Leibniz-Zentrum für Marine Tropenforschung (ZMT) and University of Gothenburg (Centre for Sea & Society).

The AIM of the conference is to provide a network to academics interested in the topic 'People and the Sea'. It is the only primarily social science marine conference globally. The OBJECTIVE is to bring science further by academic exchange. By organising a policy day it actively links to policy. OUTCOMES of the conference is networking, peer review, academic debate and exchange of ideas for new scientific work (applied or fundamental).

THE RELEVANCE FOR ICES
ICES also works on marine science and gives advice, it has a keen interest in a better understanding and integration of the 'human dimension' in its work (which was a strategic initiative and now a steering group) thus the huge network of MARE of (primarily) social scientists is useful for ICES to engage with in a visible way.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2025-06-23	End Date: 2025-06-27

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
University of Amsterdam	hybrid	400

City/Town	Country
Amsterdam	The Netherlands

Comments on dates, timeline, venue, location, and participants (character limit: 500)
For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

The exact date is not known yet, so tentatively set it the first 5 days of June (just to have something there). But the MARE conference takes place every 2 years in June. It normally has 4-5 days.

Symposium Programme (character limit: 1500)
Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The MARE programme often has a summerschool prior to the conference, and always kicks off with a policy day. The first conference morning is the opening with music and the first keynote. The opening often takes place in a nice venue (like the University Aula, a former church, or the Tropical Institute). This is followed by a walk or boatride to the conference venue, the university. The conference is organised in parallel sessions organised by thematic streams, some linked to the topic of the conference. Topics can be: marine livelihoods, knowledge, governance, justice, maritime heritage, transdisciplinary science, fisheries, marine spatial planning, shipping, ORE, tourism etc. Anything that is related to a social science or inter- and transdisciplinary understanding of human uses, perceptions, knowledges, etc of the sea. The conference always has a dinner (in church) and a social drinks session, open to all participants. And each day starts or ends with a plenary keynote. The conference is open to many forms of organising panels, these can be traditional (where we do have 15 minutes time per paper), with or without discussants, it can be round tables, panels, films, exhibitions, free diving sessions (that come into being during the conference) or discussions around a topic. We have a prize for the best student paper (named after Doug Wilson), handed out during dinner. Since covid the conference is organised in a hybrid manner, all sessions are streamed for online participation.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

SIHD -> now HUDISG
 WGSOCIAL
 WGMARS
 WGECON
 WGOWDF
 WGSEDA

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The convenors of the MARE conference are not established yet (in person) but typically come from the 6 partner institutes of MARE. One of them will be Marloes Kraan, co-director of MARE and former-chair of WGSOCIAL (for the last 6 years). The convenors will organise a committee in charge of the topic of the conference, selection of keynote speakers and theme sessions. There are quite some social scientists active in ICES through the mentioned WGs and the HUDISG, so it is quite likely that some will be involved in these tasks.

In this conference we would like to have special attention for Early Career Scientists, for which we ask ICES financial support. In addition, it would be great to give special attention throughout the conference to early career scientists by special activities, sessions and speakers, something which ICES has a lot of experience with which we would like to tap in to.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

MARE asks ICES for

- 1) financial support of 10.000 EUR to be spent on attendance of Early Career Scientists
- 2) permit use of ICES logo on all symposium documentation and advertising (in line with logo's of other sponsors).
- 3) consulting with ICES secretariat about early career activities (if possible co-organise)

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

MARE usually gets guarantee funding from all partner organisations. Yet generally the conference is self-supporting. Total budget around 100.000 euros. Fee is typically between 250 (discounted fee for students and Low income countries) and 500 Euro (late payment). Policy day attendance is an extra of around 90 Euro's. Online participation was between 25 and 75 Euro's.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

- Publication intended (specify): in the MARE journal: Maritime Studies
 No publication intended

General Information

Resolution Status (select one)

- New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The MARE People and the Sea conference brings together social scientists active in the marine world to be inspired and discuss recent scientific work.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Identifying needs

Priority 2: Evolving advice

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sea and society

Priority 2: Impacts of human activities

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions

- Adriatic Sea
- Aegean-Levantine Sea
- Arctic Ocean
- Atlantic, Northeast (FAO area 27)
- Azores

Areas outside ICES Ecoregions and Adjacent Ecoregions

- Arctic Sea (FAO area 18)
- Atlantic, Antarctic (FAO area 48)
- Atlantic, Eastern Central (FAO area 34)
- Atlantic, Northwest (FAO area 21)
- Atlantic, Southeast (FAO area 47)

<input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs) <ul style="list-style-type: none"> <input type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM) <input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT) <input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <ul style="list-style-type: none"> <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <ul style="list-style-type: none"> <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <ul style="list-style-type: none"> <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <ul style="list-style-type: none"> <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2024/SYM/SCICOM03

Resolution Parent (select one) Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant) Eirini Glyki	Supporting Officer (if relevant) Barbora Valachova
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Small Pelagic Fish: Key Resources for Social and Ecological Systems (4-8 May 2026)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

**Resolution Term (yyyy-mm-dd)**

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2024-01-30**End Date:** 2026-12-31**Symposium Title (character limit: 280)**

Small Pelagic Fish: Key Resources for Social and Ecological Systems

Symposium Conveners

Full Name	Institute	Email	Country
Susana Garrido	IPMA	susana.garrido@ipma.pt	Portugal
Rebecca Asch	East Carolina University	Aschr16@ecu.edu	USA
Motomitsu Takahashi	FRA	takahamt@fra.affrc.go.jp	Japan
Salvador Lluch Cota	CIBNOR	slluch@cibnor.mx	Mexico
Marcelo Vasconcellos	FAO	marcelo.vasconcellos@fao.org	Italy
Chris Rooper	DFO	chris.rooper@dfo-mpo.gc.ca	Canada

Symposium Website URL (if known)

Not known yet. The two previous (2017, 2022) symposia websites are:

2017 – [2017 Pelagic Symposium - Scope - PICES](#)2022 - [2022 Pelagic Symposium - Scope - PICES](#)**Scientific Justification (character limit: 1500)**

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

The Small Pelagic Fish Symposium (SPF) was established by ICES and PICES to re-initiate the global collaboration on this topic started by FAO in 1983. This will be the third symposium following successful meetings in Victoria (2017) and Lisbon (2022). This symposium, linked to an upcoming 2024 initiative involving FAO, focuses on the ecology and sustainable management of SPF, emphasizing their role in food security, economy, and socio-ecological systems. The 2022 symposium was endorsed by the UN Decade of Ocean Science for its focus on the science of sustainable harvesting that advanced several Sustainable Development Goals. We anticipate a similar endorsement for this 2026 symposium. Based on trends in attendance, we expect about 400

participants from all countries that heavily rely (commercially and/or culturally) on small pelagic fish. Similar to 2022, we expect over 300 contributions, with select works published in peer-reviewed journals such as CJFAS and MEPS. Essential for the [ICES Science Plan](#), the SPF addresses questions in ecosystem science, human impacts, emerging technologies, seafood production, conservation, and societal interaction. It supports the [ICES Advisory Plan](#) by focusing on credible, ecosystem-based management and aligns with the [ICES strategic goal](#) of advancing ecosystem understanding, essential data collection, and evidence-based decision-making.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2026-05-04	End Date: 2026-05-08

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
La Paz	In-person	375

City/Town	Country
La Paz	Mexico

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

The Symposium will take place in La Paz, México. Local hosts (CIBNOR) have already started exploring venues. WGSPF is meeting in La Paz in February 2024 to plan for the symposium. Expected dates for the symposium are Spring (May) 2026 and last for 5 days. The tentative schedule is:

Call for workshops: September 2024, deadline Jan 2025.

Abstract submission: May 2025, closing November 2025.

Early Registration: May 2025, closing November 2025.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The program will be similar to those in 2017 and 2022, comprising one day of workshops and four days of plenary presentations. Based on past editions and nearly 400 attendees, we anticipate 5-8 Topic Sessions and 3-6 workshops, scheduled before or after the Sessions. Workshops will encompass both training and theoretical approaches. Activities for early career participants, including mentorship by scientific and industry professionals, will be coordinated. Each Workshop and Topic Session will be led by 3-5 convenors, selected based on a balance in expertise, gender, and geographical representation. Invited speakers for each session and workshop will also be chosen following these criteria. Funding will be secured for some speakers, adhering to these selection rules. The program will particularly emphasize the role of small pelagic fish and fisheries in the food supply system. Poster Sessions will be held for at least two days following the Topic Sessions. A final plenary session will include a panel discussion with high-level experts. The focus of all sessions will be to facilitate active interaction, exchange and debate.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

WGSPF, SICCME, HUDISG, various groups working on assessment and science of pelagic fisheries targets (e.g. HAWG, WGHANSA, WGNAM)

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

A representative from the ICES Secretariat will be on the symposium steering committee. Two appointed ICES members will form part of the 5 symposium convenors, the other ones being represented by PICES and FAO organizations. ICES convenors will be responsible of a just representation of the ICES community within sessions and workshops, so that ICES is well represented within Chairs, organizing committees and in general all activities of the symposium.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

ICES co-sponsorship is requested. The Symposium is primarily coordinated and organized by ICES-PICES and FAO. PICES and FAO already expressed their support and willingness to provide funding for different matters, including technical support. As in the previous two symposia, a coordinated effort will be made to maximize the capacity of symposium organisation and invitation of attendees and speakers from less favoured countries. We request financial support for early career scientists for 10 000 Euros. In the 2022 Lisbon symposium we managed to attract 44% of ECS, many of which were supported by ICES, PICES and FAO.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Expected contributors, as in the 2022 Lisbon SPF symposium will include primary organizations involved in the symposium, specifically PICES and FAO. We also expect collaboration from co-organizers, to be confirmed, which in the last edition involved DPPO, DFO, GFCM, IRD, MOF, NIOZ, NOAA Fisheries, NPAFC, NPFC, NPRB, SCOR and IFFO.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

- Publication intended (specify):
 No publication intended

General Information**Resolution Status (select one)** **New resolution**

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

 Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

The 2026 ICES-PICES-FAO Small Pelagic Fish Symposium in La Paz, Mexico, titled 'Small Pelagic Fish: Key Resources for Social and Ecological Systems,' will showcase cutting-edge advancements in the ecology and sustainable management of Small Pelagic Fish, underscoring their critical role in human and ecological systems.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sharing evidence

Priority 2: Identifying needs

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Seafood production

Priority 2: Conservation and management science

Additional Comments (character limit: 500) (optional)
 Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific
 Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input checked="" type="checkbox"/> Adriatic Sea <input checked="" type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input checked="" type="checkbox"/> Atlantic, Northeast (FAO area 27) <input checked="" type="checkbox"/> Azores <input checked="" type="checkbox"/> Baltic Sea <input checked="" type="checkbox"/> Barents Sea <input checked="" type="checkbox"/> Bay of Biscay and the Iberian Coast <input checked="" type="checkbox"/> Black Sea <input checked="" type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input checked="" type="checkbox"/> Greater North Sea <input checked="" type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters <input checked="" type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input checked="" type="checkbox"/> Oceanic Northeast Atlantic <input checked="" type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input checked="" type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input checked="" type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input checked="" type="checkbox"/> Atlantic, Northwest (FAO area 21) <input checked="" type="checkbox"/> Atlantic, Southeast (FAO area 47) <input checked="" type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input checked="" type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input checked="" type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input checked="" type="checkbox"/> Indian Ocean, Western (FAO area 51) <input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input checked="" type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input checked="" type="checkbox"/> Pacific, Northeast (FAO area 67) <input checked="" type="checkbox"/> Pacific, Northwest (FAO area 61) <input checked="" type="checkbox"/> Pacific, Southeast (FAO area 87) <input checked="" type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)
 Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

<input type="checkbox"/> European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC) <input checked="" type="checkbox"/> Food and Agriculture Organization of the United Nations (FAO) <input type="checkbox"/> International Maritime Organization (IMO) <input type="checkbox"/> International Sea bed Authority (ISA) <input type="checkbox"/> Secretariat of the Convention on Biological Diversity (CBD) <input type="checkbox"/> UN Environment (UNEP) <input checked="" type="checkbox"/> UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)
European Commission and its Agencies <input type="checkbox"/> European Commission (EC) <input type="checkbox"/> European Environment Agency (EEA) <input type="checkbox"/> European Fisheries Control Agency (EFCA) <input type="checkbox"/> Joint Research Council (JRC) <input type="checkbox"/> Regional Coordination Groups (RCGs) <input type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs) <input checked="" type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM) <input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT) <input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input checked="" type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input checked="" type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input checked="" type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input checked="" type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database
2024/SYM/SCICOM04

Resolution Parent (select one) Symposia should generally select SCICOM
SCICOM

Professional Officer (if relevant) Sarah Millar	Supporting Officer (if relevant) Ena Briesemeister
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Aquaculture Europe 2025 (22–25 September 2025)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.



Resolution Term (yyyy-mm-dd) Start date is date of submission of the resolution form. End date is December 31 of the symposium year.
Start Date: 2024-11-06 End Date: 2025-12-31

Symposium Title (character limit: 280) Aquaculture Europe 2025
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Symposium Conveners (maximum 5 individuals)			
Full Name	Institute	Email	Country
Jaume Perez Sanchez	IATS/CSIC	jaime.perez.sanchez@csic.es	SPAIN
Diego Mendiola	Caviar Pirinea/EAS	diego.mendiola@caviarpirinea.com	SPAIN
Martin Føre	NTNU	martin.fore@ntnu.no	NORWAY

Symposium Website URL (if known) https://www.aquaeas.org/
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Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

Aquaculture is a high-priority topic for ICES as we seek 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.

As our knowledge science and technology increases, so does aquaculture's potential to transform our food systems to mitigate climate impacts and enhance food safety and security in a manner that is financially feasible and ecologically sustainable.

The AE2025 parallel sessions will cover the full scope of European aquaculture scientific disciplines and species and will comprise submitted oral and poster presentations. AE2025 will also feature an international trade exhibition, industry forum, student sessions and activities, satellite workshops and updates on EU research.

The event will comprise a scientific conference, trade exhibition, industry forums, workshops, student events and receptions. It will highlight the latest aquaculture research and innovation to underpin continued growth of this exciting seafood production sector. It will be a showcase for ICES aquaculture science and advice, helping us build our network, advance our scientific knowledge, connect with decisionmakers, and further increase our profile in this sector on a local, national, regional and global stage.

Symposium Dates (yyyy-mm-dd)**Start Date:** 22 September 2025**End Date:** 25 September 2025**Venue** (e.g. conference centre, hotel)

Palacio de Congresos

Format (in-person, virtual, hybrid)

In person

Expected Number of Participants

2000

City/Town

Valencia

Country

Spain

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

Dates and venue are confirmed.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

With its diversity of species and production technologies, its diversity of market propositions and with its reverence for the environment and the way in which this is changing, Aquaculture is established as an essential sector in global food supply. There is therefore no doubt that aquaculture is and needs to be for everyone.

This all-inclusive concept is feasible and compatible with the environmental integrity of our coastal areas, with the regeneration and sustainability of our primary sectors, with the economic well-being for important food value chains, with the professional and entrepreneurial formation of local human capital and with the long-life learning needs of our public administrations.

Developing social licence and promoting not only the production and commercialization of high quality and health aquatic feeds, but also the ecosystem services that aquaculture provides, are key features of AE2025 - giving value to each and every person in Spain and throughout Europe.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

ASG, WGREIA, WGSEDA, WGOOA, WGAGFA, WGECCA

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

Members of the community are invited to contribute to the conference programme as session chairs and panel members of special sessions.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

The following support is requested of ICES:

- To permit use of the ICES logo on all symposium documentation and advertising.
- To promote the symposium via website news and social media posts.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

The conference will create income through exhibitor booths and various sponsorships.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

- Publication intended (specify):
- No publication intended

General Information

Resolution Status (select one)
<input checked="" type="checkbox"/> New resolution This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council
<input type="checkbox"/> Amendment to an approved resolution This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)
Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.
Science to support sustainable aquaculture in European and inland waters.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Evolving advice	Priority 2: Incorporating innovation

ICES Science Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Seafood production	Priority 2: Sea and society

Additional Comments (character limit: 500) (optional)
Restrict comments to those that are required to understand and review this resolution <u>and</u> for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one) **Non-Geospecific**

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input checked="" type="checkbox"/> Adriatic Sea <input checked="" type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input checked="" type="checkbox"/> Atlantic, Northeast (FAO area 27) <input checked="" type="checkbox"/> Azores <input checked="" type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input checked="" type="checkbox"/> Bay of Biscay and the Iberian Coast <input checked="" type="checkbox"/> Black Sea <input checked="" type="checkbox"/> Celtic Seas <input checked="" type="checkbox"/> Faroes <input checked="" type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters <input checked="" type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input checked="" type="checkbox"/> Oceanic Northeast Atlantic <input checked="" type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

 No close links to other organizations**United Nations Organizations and Programmes**

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)

<input type="checkbox"/> UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)
European Commission and its Agencies <input checked="" type="checkbox"/> European Commission (EC) <input checked="" type="checkbox"/> European Environment Agency (EEA) <input type="checkbox"/> European Fisheries Control Agency (EFCA) <input checked="" type="checkbox"/> Joint Research Council (JRC) <input checked="" type="checkbox"/> Regional Coordination Groups (RCGs) <input checked="" type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)
Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs) <input checked="" type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM) <input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT) <input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input checked="" type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	
The World Aquaculture Society	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database

2024/SYM/SCICOM05

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)

Anne Cooper

Supporting Officer (if relevant)

Ena Briesemeister

ICES/SEAwise symposium on Operationalising European Ecosystem Based Fisheries Management (30 June – 4 July 2025)

Resolution Form: Symposium

Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Start date is date of submission of the resolution form. End date is December 31 of the symposium year.

Start Date: 2024-11-06

End Date: 2025-12-31

Symposium Title (character limit: 280)

ICES/SEAwise symposium on Operationalising European Ecosystem Based Fisheries Management

Symposium Conveners (maximum 5 individuals)

Full Name	Institute	Email	Country
Anna Rindorf	DTU Aqua	ar@aqua.dtu.dk	Denmark
Athanasios Tsikliras	Aristotle University of Thessaloniki	atsik@bio.auth.gr	Greece
Geir Huse	IMR	Geir.huse@hi.no	Norway
Lotte Worsøe Clausen	ICES	Lotte.worsoe.clausen@ices.dk	ICES
Elisabetta Morello	GFCM	elisabetta.morello@fao.org	FAO

Symposium Website URL (if known)

www.seawiseproject.org

<p>Scientific Justification (character limit: 1500)</p> <p>Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans</p> <p>Ecosystem Based Fisheries Management is tasked with the aims to ensure recovery and conservation of marine biodiversity, sustainable use of the components of biological diversity and fair and equitable sharing of benefits in a modern, resource-efficient and competitive economy. The complexity and interdependency of the components in the ecosystem makes this task complicated to advise and decide on, and this is exacerbated by the substantial uncertainty around the consequences of management measures under climate change and spatial management as well as differences in values and decision-making power of the multiple benefitting stakeholders. The symposium will bring together scientific experts from across the world and in a variety of disciplines, with stakeholders and managers to enable the communication between suppliers and recipients of scientific management advice. The symposium is organized as a mixture of scientific oral and poster presentations and interactive sessions focusing on operationalising Ecosystem Based Fisheries Management in Europe. Each day ends with a policy session where policymakers, managers and other stakeholders are invited to discuss the results.</p> <p>By advancing our scientific understanding of social and ecological marine systems and the connections with society essential to meeting sustainability challenges posed by climate change and human use, the symposium directly supports the ICES strategic plan. A key issue in the symposium is discussing approaches to produce impartial evidence for decision making, including information on the impacts of future human activities for seafood production, associated livelihoods and social benefits and marine ecological sustainability and conservation.</p>

Symposium Dates (yyyy-mm-dd)	
Start Date: 2025-06-30	End Date: 2025-07-04

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
Herman Teirlinckgebouw https://www.vlaanderen.be/intern/werkplek/kantoor-en-gebouwen/gebouwen/overzicht-gebouwen/herman-teirlinckgebouw	In-person	100

City/Town	Country
Brussels	Belgium

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

Submissions of abstracts will be open until May 1st 2025 and registration is open until June 1st. The afternoon policy interactive sessions will be open to registration until June 20th or the maximum number of possible participants is reached, to facilitate short term planning of stakeholders, policymakers and managers in Brussels.

Symposium Programme (character limit: 1500)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

The symposium includes presentations and posters which focus on sustainable management of social and ecological systems in a changing world, the role of spatial management in attaining objectives and potential solutions for operational management advice for social and ecological systems.

The event is organized as a combination of interactive sessions, plenary keynote talks and dedicated theme sessions on each of the themes:

- Sustainable management of social systems.
- Sustainable management under changes in productivity of fished stocks.
- Sustainable management of ecological effects of fisheries.
- Spatial management for EBFM.
- Management advice integrating predicted effects on social and ecological systems.
- Operational scope of EBFM approaches.

The sessions will include invited and contributed presentations of a format reflecting the specific session balance between presentations and interactive participation. Keynote speakers will give talks on the major themes.

The session on Operational scope of EBFM approaches is organised as a series of afternoon interactive sessions tailored to discussing the operational scope of the topics addressed during each day. The sessions are initiated with a pitch summary of the impressions of the day delivered by invited speakers.

Directly following the symposium, a three day synthesis workshop is conducted to ensure that ideas are collected while still fresh.

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

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Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES staff contributes to the symposium by co-convening. Further, the co-conveners include 2 members of council, and the expected participants include a large of scientists active in ICES, including among the keynote speakers.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#) : particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

The following support is requested of ICES:

- To permit use of the ICES logo on all symposium documentation and advertising.
- To promote the symposium via website news and social media posts.

No other resources are requested from ICES. ICES is a partner to the SEAwisE project and through that project has a specified budget for, among other things, working on online access to suggested elements of Ecosystem based fisheries management advice. Further ICES staff has a specified travel budget for participation.

Additional Funding Sources/Sponsors (character limit: 1500)

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List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Additional funding is provided by the SEAwise project.

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): Journal yet to be selected

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council

Amendment to an approved resolution

This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)

Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.

This resolution endorses the SEAwise symposium on Operationalising European Ecosystem Based Fisheries Management as a joint ICES/SEAwise symposium.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice

Priority 2: Sharing evidence

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Conservation and management science

Priority 2: Sea and society

Additional Comments (character limit: 500) (optional)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g. request for a special resolution term duration)

GFCM will be contacted to ask if there is interest in making this and ICES/GFCM/SEAwise endorsed symposium should ICES decide to endorse the symposium.

Geographic Focus (select at least one)

Non-Geospecific
 Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under 'non-geospecific'.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)
 Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes	
<input type="checkbox"/>	European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
<input checked="" type="checkbox"/>	Food and Agriculture Organization of the United Nations (FAO)
<input type="checkbox"/>	International Maritime Organization (IMO)
<input type="checkbox"/>	International Sea bed Authority (ISA)
<input type="checkbox"/>	Secretariat of the Convention on Biological Diversity (CBD)
<input type="checkbox"/>	UN Environment (UNEP)
<input type="checkbox"/>	UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)
European Commission and its Agencies	
<input checked="" type="checkbox"/>	European Commission (EC)
<input type="checkbox"/>	European Environment Agency (EEA)
<input type="checkbox"/>	European Fisheries Control Agency (EFCA)
<input type="checkbox"/>	Joint Research Council (JRC)
<input type="checkbox"/>	Regional Coordination Groups (RCGs)
<input type="checkbox"/>	Statistical Office of the European Communities (EUROSTAT)
Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)	
<input checked="" type="checkbox"/>	General Fisheries Commission in the Mediterranean (GFCM)
<input type="checkbox"/>	International Commission for the Conservation of Atlantic Tunas (ICCAT)
<input type="checkbox"/>	North Atlantic Salmon Conservation Organization (NASCO)
<input type="checkbox"/>	North East Atlantic Fisheries Commission (NEAFC)
<input type="checkbox"/>	Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions	
<input type="checkbox"/>	Baltic Marine Environment Protection Commission (HELCOM)
<input type="checkbox"/>	Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks	
<input type="checkbox"/>	Arctic Monitoring and Assessment Programme (AMAP)
<input type="checkbox"/>	Conservation of Arctic Flora and Fauna (CAFF)
<input type="checkbox"/>	International Arctic Science Committee (IASC)
<input type="checkbox"/>	Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs)	
<input type="checkbox"/>	Mediterranean Science Commission (CIESM)
<input type="checkbox"/>	North Atlantic Marine Mammal Commission (NAMMCO)
<input type="checkbox"/>	North Pacific Marine Science Organization (PICES)
Other	
<input type="checkbox"/>	European Aquaculture Society (EAS)
<input type="checkbox"/>	Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database

2024/SYM/SCICOM06

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)

Lise Cronne

Supporting Officer (if relevant)

Resolutions approved in 2023

Baltic Sea Science Congress (21–25 August 2023)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.

Start Date: 2023-01-01

End Date: 2023-12-31

Symposium Title (max 280 characters)

Baltic Sea Science Congress

Symposium Conveners (max 5)

Full Name	Institute	Email	Country
Kai Myrberg	Finnish Environment Institute	Kai.Myrberg@syke.fi	Finland
Jari Haapala	Finnish Meteorological Institute	jari.haapala@fmi.fi	Finland
Maren Voss	Leibniz Institute for Baltic Sea Research Warnemünde	voss@io-warnemuende.de	Germany
Vibeke Huess, Denmark.	Danish Meteorological Insitute	vibeke.huess@dmi.dk	Denmark
Anda Ikauniece, Latvia	Latvian Insitute for Aquatic Ecology	anda.ikauniece@lhei.lv	Latvia

Symposium Website URL (if known)

<https://www.syke.fi/projects/bssc2023>

Scientific Justification (max 1500 characters)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.

The purpose of the Congress is to bring together scientists working on issues related to the Baltic Sea Region to present the most recent research and to discuss status, trends and the future of the Baltic Sea as well as future research needs. The specific focus is on the UN Decade of Ocean Science for Sustainable Development. The Baltic Sea Science Congress 2023 is a part of the Finnish National Implementation Plan for the UN Decade of Ocean Science.

In addition to discussion on recent scientific results, the conference facilitates discussion on status, trends, and the future of the Baltic Sea and its catchment area. This forms a part of the global ocean studies, planning of joint research activities and interaction among science and society.

The conference sessions thus cover a wide range of topics according to the objectives of Decade of Ocean Science in the Baltic Sea.

The conference is multidisciplinary and it has common panels for policy and decision makers. We aim at a common conference memo "the science we need for the Baltic Sea we want". This means knowledge exchange between marine scientists in order to contribute to informed society and policy decisions for sustainable management of the Baltic Sea today and future.

We also invite the sharing of research from other coastal seas that is of general relevance to the topic of the Congress. In particular, we encourage presentations focusing on coastal and marginal seas that contribute to the UN Decade of Ocean Science for Sustainable Development.

In general level the BSSC2023 supports the idea of ICES Strategy "We are committed to better understanding marine ecosystems and securing the benefits that people derive from them."

The Congress is strongly linked to science priorities in ICES strategy. BSSC2023 discusses processes in Baltic Sea ecosystem and impact of human being to ecosystems. New technologies and observational systems are discussed in a special workshop.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2023-08-21	End Date: 2023-08-25

Venue (specific place such as the conference centre)	Expected Number of Participants
Scandic Marina Congress Center	c 400

City/Town	Country
Helsinki	Finland

Comments on dates, venue, location, and participants (max 500 characters)

For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.

Symposium Programme (max 1500 characters)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.

The conference sessions thus cover a wide range of topics according to the objectives of Decade of Ocean Science in the Baltic Sea:

1. A clean Baltic Sea
2. A healthy and resilient Baltic Sea
3. A productive Baltic Sea
4. A predictive Baltic Sea
5. A safe Baltic Sea
6. An accessible Baltic Sea
7. An inspiring and engaging Baltic Sea

There will be organised a high-level panel discussion at the opening session, including a press conference.

There will be organised an open session for the public where the Ocean Decade and Baltic Sea issues are discussed and introduced.

For young scientists, there will be organized a special session and social programme for the evening. This is organised by Dr. Lydia White, University of Helsinki. (lydia.white@helsinki.fi)

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)**Contributions by ICES Representatives (max 1500 characters)**

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES representatives are welcome to the BSSC as session chairs and to scientific committee.

Many members of the scientific committee have been involved in ICES work- Kai Myrberg (Syke) is to be nominated as a new ICES Delegate of Finland.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

- 1) 5000 EUR for ECS support
- 2) ICES endorsement, thus the use of ICES logo
- 3) A professional officer from ICES secretariat to participate in the organisation e.g. Scientific Steering Committee
- 4) Advertisement through ICES Comms team

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

Finnish Environment Institute (Syke) and Finnish Meteorological Institute (FMI)
 Ministry of Foreign Affairs of Finland will fund the working time for Syke's FMI's personnel.
 The City of Helsinki will support the Congress by organising a Reception.

The BSSC procedure is officially a part of UN:s Ocean Dcecade and its is supervised by the Prime Minister's Office in Finland.

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

- Publication intended (specify): Tbd
- No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

The science we need for the Baltic Sea we want

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sharing evidence

Priority 2: Identifying needs

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Observation and exploration

Priority 2: Conservation and management science

Additional Comments (if required, max 500 characters)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

Geographic Focus (select one or more)

Non-geospecific

Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions

- Adriatic Sea
- Aegean-Levantine Sea
- Arctic Ocean
- Atlantic, Northeast (FAO area 27)
- Azores
- Baltic Sea
- Barents Sea

Areas outside ICES Ecoregions and Adjacent Ecoregions

- Arctic Sea (FAO area 18)
- Atlantic, Antarctic (FAO area 48)
- Atlantic, Eastern Central (FAO area 34)
- Atlantic, Northwest (FAO area 21)
- Atlantic, Southeast (FAO area 47)
- Atlantic, Southwest (FAO area 41)
- Atlantic, Western Central (FAO area 31)

<input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

<input checked="" type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)
<input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks
<input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP)
<input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF)
<input type="checkbox"/> International Arctic Science Committee (IASC)
<input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organisations (IGOs)
<input type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	
Finnish Environment Institute (Syke)	
Finnish Meteorological Institute (FMI)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database.
2023/SYM/SCICOM01

Resolution Parent (select one)
Symposia should generally select SCICOM.
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Eirini Glyki	-

Secretariat Comments (max 500 characters)
Only include essential comments that can be made public and must stay with the resolution.

Second International Symposium on Plastics in the Arctic and Sub-Arctic Region (22–23 November 2023)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)	
Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.	
Start Date: 2023-01-01	End Date: 2023-12-31

Symposium Title (max 280 characters)
Second International Symposium on Plastics in the Arctic and Sub-Arctic Region

Symposium Conveners (max 5)			
Full Name	Institute	Email	Country
Magnús Jóhannesson	Former Director, Arctic Council Secretariat	magjoh@simnet.is	Iceland
Hrönn Jörundsdóttir	Director General, Icelandic Food and Veterinary Authority	hronn.jorundsdottir@mast.is	Iceland
Henrik Enevoldsen	IOC UNESCO	h.enevoldsen@bio.ku.dk	Denmark
Embla Eir Oddsdóttir	Director, Icelandic Arctic Cooperation Network	embla@arcticiceland.is	Iceland

Symposium Website URL (if known)
https://www.arcticplastics.is/

Scientific Justification (max 1500 characters)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.
Plastic pollution is of ever-growing concern. It is a well-known fact that plastic litter is omnipresent in our environment and the eventual sink for plastic waste is the world oceans. Even in the Arctic region plastic pollution is widespread. There is now a great urgency for actions to stem the plastic tide. Recently, the United Nations Environment Assembly adopted a broad negotiating mandate for a new legally binding international agreement to end plastic pollution. The new

agreement is expected to include provisions to promote national and international cooperative measures to reduce plastic pollution in the marine environment.

The aim is to gather scientific and local knowledge on plastic pollution and discuss ways and means to reduce the impact of plastics on Arctic ecosystems.

The planned symposium will build on the foundation of science of the first symposium and produce information and advice for decision makers. The symposium aims for exchange of views and updates of knowledge from various sources. The symposium will evaluate the present extent and nature of plastic pollution in the Arctic and Sub-Arctic regions and discuss its impact on ecosystems and communities. The origin of plastic litter, how it is transported to or in the Arctic and Sub-Arctic region and how breakdown processes are affecting the status of pollution will also be addressed.

Finally, the symposium will focus on possible mitigation methods and how they can be implemented and provide useful input to the ongoing negotiations on an international agreement on plastic pollution, and to other ongoing relevant international work to support protection of the marine environment.

A high-level scientific steering committee has been established to assist in developing the program of the symposium.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2023-11-22	End Date: 2023-11-23

Venue (specific place such as the conference centre)	Expected Number of Participants
Reykjavík Concert Hall and Conference Center	300-400

City/Town	Country
Reykjavík	Iceland

Comments on dates, venue, location, and participants (max 500 characters) For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.

Symposium Programme (max 1500 characters) Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.
The draft program is available 15 June 2023 The Scientific Steering Committee has decided on tentative themes for the symposium which has been announced in connection with call for abstracts. They are:

1. Monitoring and assessment of plastic pollution in the Arctic.
2. Methodological developments to determine macro, micro and nano plastics.
3. Sources and transport of plastic in the Arctic and sub-Arctic.
4. Impacts of marine litter in the Arctic (environmental, economic and social).
5. Arctic challenges and solutions for improved waste management.
6. Tackling plastic pollution: international collaboration, policies, best practices and novel developments from around the world.

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)

AFWG, WGSHP

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

Wojciech Wawrzynski, Head of Science Department is in the Scientific Steering Committee

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

- 1) 5000 EUR for ECS support
- 2) ICES endorsement, thus the use of ICES logo
- 3) A professional officer from ICES secretariat to participate in the organisation e.g. Scientific Steering Committee
- 4) Advertisement through ICES Comms team

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

Financial support from the Nordic Council of Ministers.

The Government of Iceland will host the symposia, with the financial support of the Nordic Council of Ministers.

Partners of the event:

- the Oslo and Paris Commission (OSPAR)
- the International Oceanographic Commission (IOC) of UNESCO
- the University of the Arctic (UArctic)
- the International Arctic Science Committee (IASC)
- the Polar Institute of Wilson Center
- GRID-Arendal, the Center for the Ocean and the Arctic
- Center for the Oceans and the Arctic, UiT the Arctic University of Norway
- the Nature Institute of Greenland

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

- Publication intended (specify): Maybe IJMS
- No publication intended

General Information**Resolution Status (select one)** **New resolution**

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

 Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

The aim is to gather scientific and local knowledge on plastic pollution and discuss ways and means to reduce the impact of plastics on Arctic ecosystems.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Identifying needs	Priority 2: Sharing evidence

ICES Science Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Impacts of human activities	Priority 2: Conservation and management science

Additional Comments (if required, max 500 characters)
 Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

Geographic Focus (select one or more)

Non-geospecific
 Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input checked="" type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input checked="" type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input checked="" type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input checked="" type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)
- Protection of the Arctic Marine Environment Working Group (PAME)

Scientific Intergovernmental Organisations (IGOs)

- Mediterranean Science Commission (CIESM)
- North Atlantic Marine Mammal Commission (NAMMCO)
- North Pacific Marine Science Organization (PICES)

Other

- European Aquaculture Society (EAS)

Future-proofing surveys: integrating probability and non-probability methods in fisheries (8–10 July 2025)

Resolution Form: Symposium



Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)

Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.

Start Date: 2024-01-01

End Date: 2025-12-31

Symposium Title (max 280 characters)

Future-proofing surveys: integrating probability and non-probability methods in fisheries

Symposium Conveners (max 5)

Full Name	Institute	Email	Country
Annica de Groot	Swedish University of Agricultural Sciences	annica.isaksson.de.groote@slu.se	Sweden
Stephen Taylor	Government of Western Australia	Steve.Taylor@dpird.wa.gov.au	Australia
Kieran Hyder	Cefas	kieran.hyder@cefas.gov.uk	UK
Estanis Mugerza	AZTI	emugerza@azti.es	Spain
Henrik Pärn	Swedish University of Agricultural Sciences	henrik.parn@slu.se	Sweden

Symposium Website URL (if known)

Not known.

Scientific Justification (max 1500 characters)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.

Probability-based survey designs are becoming increasingly expensive and difficult to implement, especially for offsite surveys where responses to mail and telephone surveys have declined. In recent years, non-probability-based or convenience approaches have developed quickly, particularly driven by access to people through social media. In combination with advances in analytical methods, non-probability-based approaches have been shown to generate robust population level estimates (e.g. election exit polls). Integrating probability and non-probability-based approaches has the potential to improve spatiotemporal resolution of commercial and recreational fisheries surveys in a cost-effective manner and generate robust outcomes. However, it is unclear how best to integrate the different methods in a fisheries context.

The overall objective of the symposium is to bring together scientists to assess the potential to integrate probabilistic and non-probabilistic methods in fisheries surveys. This will involve assessment of state of the art, and synthesis of existing examples from fisheries. Approaches to overcome key issues and limitations in these methods will be identified, leading to cost-effective and robust estimates of catch that are suitable for management purposes. Recommendations will be developed to inform the future direction for integrating sampling methods, including research priorities. The overall aims will be:

- To assess how probability and non-probability methods are being integrated.
- To identify examples of integration within commercial and recreational fisheries.
- To investigate how these approaches can be used to balance cost, precision, and accuracy.
- To highlight research priorities and make recommendations for implementation in fisheries.

The anticipated outcomes will be a greater shared understanding of how fishing surveys can be undertaken to provide high quality information for management purposes. A special edition publication is planned (see below). The intended forum, with a global audience of experts, is relevant to the following areas identified in the ICES Strategic Plan: essential data for science and advice; evidence for decision-making; and working together.

As the main objective of our proposed event is to share knowledge between scientists on how to integrate probability and non-probability methods in fisheries. We therefore think it fits better as a symposium than a workshop. The event will offer a unique possibility to exchange knowledge, experiences and lessons learned from applying different methods and techniques. The expected outcome is a spur of new ideas and methods development, rather than recommendations.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2025-07-08	End Date: 2025-07-10

Venue (specific place such as the conference centre)	Expected Number of Participants
The Institute of Marine Research (a part of The Swedish University of Agricultural Sciences)	50

City/Town	Country
Lysekil	Sweden

Comments on dates, venue, location, and participants (max 500 characters)
<p>For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.</p>
<p>The venue is the Institute of Marine Research (Swedish University of Agricultural Sciences) in Lysekil, a picturesque city situated on the west coast of Sweden. Lysekil is a popular tourist destination, especially in the summer. This is hardly surprising since it is located in an area full of culture history (such as some famous rock carvings), with a beautiful archipelago and deep forests. The possibilities for outdoor activities are unlimited, including for instance fishing, hiking, rock climbing, swimming and kayaking. There is also a saltwater aquarium well worth a visit.</p> <p>The symposium proposal is supported by the board of the institute and the symposium will be hosted free of charge. The institute is beautifully located in central Lysekil, right next to the sea. It can accommodate up to 80 participants in one meeting room. If needed, it is also possible to book a larger meeting room in a nearby building. The technical equipment for conducting hybrid meetings is available.</p> <p>Lysekil has several nice hotels, all within walking distance of the Institute of the Marine Research.</p> <p>Lysekil is located about 70 km north of Gothenburg, the second largest town in Sweden. It is easy to reach Gothenburg, either by train (e.g. several trains each day from Copenhagen) or by plane to its international airport. From Gothenburg, there is a direct bus to Lysekil.</p>

The proposed dates and duration of the symposium are tentative and will be agreed by the scientific organising committee in the context of other conferences and workshop alongside the ICES calendar to maximise attendance. Training and/or excursions will add to the total length of the event.

Symposium Programme (max 1500 characters)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.

We propose to bring together scientists from across the globe to assess how to integrate probability and non-probability survey methods in fisheries in a way that generates robust, efficient, and cost effective data for decision-making. Topics for the symposium program include:

- Off-site and on-site surveys methods.
- Novel methods for data collection (e.g. apps, social media).
- Non-probability methods and analytical methods.
- Assessment
- Integrating probability and non-probability survey methods.
- Future developments in survey design and opportunities they create.

We aim to organise a variety of different activities to encourage broad engagement and generate useable outputs. This will include a normal program of invited and selected talks (keynote, standard, speed) and posters. Invited speakers will be selected from both within and outside fisheries to understand state of the art and challenges. We will have engaging debates on key issues for integration of survey methods that take a variety of different forms (e.g. discussion sessions, panel sessions, workshops, voting session, hackathon). It is anticipated that several training sessions and workshops will also be offered (e.g. short course on the R package Survey, for analysing complex survey data). In addition to the formal sessions, we will set up mixer and networking sessions, and host a conference dinner.

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)

This theme is closely aligned with the Working Group on Recreational Fisheries Surveys (WGRFS), Working Group on Commercial Catches (WGCATCH), and the Working Group on Technology Integration for Fishery Dependent Data (WGTIFD) which are part of the Advisory Committee and Science Committee Steering Group on Data Science and Technology (DSTSG). It will also feed ACOM

through the assessment groups where fisheries catch data are important parts of the pressure on resource (e.g. WGCSE, WGBIE, WGNSSK, WGBYC).

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

A scientific steering group will be set up including the organisers, key members of the ICES community, and international experts in the field. Members of this committee will contribute to the development of the programme, identify relevant keynote speakers, generate interest through their networks, select presentations, and chair sessions.

All the organisers are already involved with ICES groups, so ICES participation will be central to success. We will engage with other key experts from a broad range of ICES groups to ensure representation across ICES in the symposium.

We will investigate mechanisms and aim to provide support for ECRs and scientists from LMIC countries alongside opportunities for remote attendance through a hybrid approach to broaden participation.

We will aim to ensure diverse representation in all activities, encourage different modes of participation to support inclusivity that allows all voices to be heard, livestream and allow online participation if possible at the venue; and require that all materials are accessible.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

The following support is requested of ICES:

- To provide and maintain the registration and abstract submission facilities.

- To promote the symposium via website news and social media posts.
- To host the symposium website.
- To permit use of the ICES logo on all symposium documentation and advertising
- To provide 10.000EUR in financial support for participation of Early Career Scientists

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

Venue will be free of charge, so is a contribution in-kind. If we are successful with the application, we will explore funding opportunities from other organizations and companies to sponsor the symposium or provide travel bursaries.

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

- Publication intended (specify): Special issue of IJMS
- No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

This symposium will bring together global experts to assess the potential to integrate probabilistic and non-probabilistic methods and how they can be used to support cost effective and robust future fisheries surveys.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Assuring quality

Priority 2: Incorporating innovation

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Observation and exploration

Priority 2: Emerging techniques and technologies

Additional Comments (if required, max 500 characters)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

None.

Geographic Focus (select one or more)

Non-geospecific

Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions

- Adriatic Sea
- Aegean-Levantine Sea
- Arctic Ocean

Areas outside ICES Ecoregions and Adjacent Ecoregions

- Arctic Sea (FAO area 18)
- Atlantic, Antarctic (FAO area 48)
- Atlantic, Eastern Central (FAO area 34)

<input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)
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Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)

<input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions
<input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)
<input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks
<input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP)
<input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF)
<input type="checkbox"/> International Arctic Science Committee (IASC)
<input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organisations (IGOs)
<input checked="" type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input checked="" type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	
Angler associations (e.g. European Angler Association)	
Recreation fishing app companies (e.g. FishBrain)	
Commercial fishing organisations	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database.

2023/SYM/SCICOM03

Resolution Parent (select one)

Symposia should generally select SCICOM.

SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Eirini	Marta

Secretariat Comments (max 500 characters)

Only include essential comments that can be made public and must stay with the resolution.

Aqua2024 (26–30 August 2024)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.



Resolution Term (yyyy-mm-dd) Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.	
Start Date: 2023-06-24	End Date: 2025-06-23

Symposium Title (max 280 characters) Aqua2024

Symposium Conveners (max 5)			
Full Name	Institute	Email	Country
Alistair Lane	European Aquaculture Society	alistair@aquaeas.eu	Belgium
John Cooksey	World Aquaculture Society	worldaqua@was.org	USA

Symposium Website URL (if known) https://www.was.org
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<p>Scientific Justification (max 1500 characters) Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.</p> <p>Aquaculture is a high-priority topic for ICES as we seek 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.</p> <p>As our knowledge science and technology increases, so does aquaculture's potential to transform our food systems to mitigate climate impacts and enhance food safety and security in a manner that is financially feasible and ecologically sustainable.</p> <p>Every six years, the European Aquaculture Society (EAS) and the World Aquaculture Society (WAS) work together to organise a global AQUA event, incorporating the EAS and WAS annual events. Past AQUAs were held in Nice (2000), Florence (2006), Prague (2012) and Montpellier (2018).</p> <p>AQUA 2024 will take place from August 26-30 at the Bella Centre in Copenhagen. The event will comprise a scientific conference, trade exhibition, industry forums, workshops, student events and receptions. It will highlight the latest aquaculture research and innovation to underpin continued growth of this exciting seafood production sector. It will be a showcase for ICES aquaculture</p>

science and advice, helping us build our network, advance our scientific knowledge, connect with decisionmakers, and further increase our profile in this sector on a local, national, regional and global stage.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2024-08-26	End Date: 2024-08-30

Venue (specific place such as the conference centre)	Expected Number of Participants
Bella Centre	3500

City/Town	Country
Ørestad	Denmark

Comments on dates, venue, location, and participants (max 500 characters)

For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.

Dates and venue are confirmed.

Symposium Programme (max 1500 characters)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.

The programme will be developed around 11 themes with subthemes, specifying the area of research and activity. Special topics identified are i) Education, extension and technology transfer, ii) Aquaculture policy and regulations, iii) Horizon 2020 projects and work programme, iv) Promoting multi-stakeholder contributions to international cooperation on sustainable solutions for aquaculture development in South-East Asia.

Partners can suggest additional special topics and special sessions. The event is attracting a high number of industry partners, the exhibitors fair will attract many practitioners and the industry will also arrange business meetings and seminars. Early Career Professionals are specifically encouraged to contribute and special events will be organized. The role of women in aquaculture will be highlighted in special sessions and events. Field trips to aquaculture facilities will be organized with the local organizing committee.

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)

This theme is closely aligned with the Aquaculture Steering Group and all Aquaculture-related Working Groups. It also links to the Strategic Initiative for the Integration of Early Career Scientist.

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers,

awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

ICES will contribute to the Local Organizing Committee and be represented in the Scientific Steering Committee. Members of the community are invited to contribute to the conference programme as session chairs and panel members of special sessions. The Strategic Initiative for the Integration of Early Career Scientists will be contacted to help develop and contribute to the Early Career Professional events.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

The following support is requested of ICES:

- To permit use of the ICES logo on all symposium documentation and advertising.
- To promote the symposium via website news and social media posts.

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

The conference will create income through exhibitor booths and various sponsorships.

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

- Publication intended (specify):
- No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

Aqua24 will highlight the latest aquaculture research and innovation to underpin the continued growth of the sector and the science to inform decision-making.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Sharing evidence

Priority 2: Evolving advice

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Seafood production

Priority 2: Sea and society

Additional Comments (if required, max 500 characters)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

None.

Geographic Focus (select one or more) **Non-geospecific**

Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87)

<input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Pacific, Southwest (FAO area 81)
<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)
- Protection of the Arctic Marine Environment Working Group (PAME)

Scientific Intergovernmental Organisations (IGOs)

- Mediterranean Science Commission (CIESM)
- North Atlantic Marine Mammal Commission (NAMMCO)

<input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input checked="" type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	
World Aquaculture Society (WAS)	
European Aquaculture Technology and Innovation Platform (EATIP)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database.
2023/SYM/SCICOM04

Resolution Parent (select one)
Symposia should generally select SCICOM.
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Anne Cooper	-

Secretariat Comments (max 500 characters)
Only include essential comments that can be made public and must stay with the resolution.

Fish Forum 2024: GFCM Forum on Fisheries Science in the Mediterranean and the Black Sea (19–23 February 2024)

Resolution Form: Symposium



Before completing this resolution form, please review the [ICES Symposium Guidelines for Conveners](#). Once approved, all resolution information on this form will be made publicly available on the ICES website.

Resolution Term (yyyy-mm-dd)	
Start date is date of submission of the resolution form. End date is December 31 of the symposium year.	
Start Date: 2023-12-05	End Date: 2024-12-31

Symposium Title (character limit: 280)
Fish Forum 2024: GFCM Forum on Fisheries Science in the Mediterranean and the Black Sea

Symposium Conveners (maximum 5 individuals)			
Full Name	Institute	Email	Country
Marta Dinares-Fernandez	NFIG	Marta.DinaresFernandez@fao.org	

Symposium Website URL (if known)
https://www.fao.org/gfcm/fishforum2024/en/

Scientific Justification (character limit: 1500)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES [Science](#), [Advisory](#), and/or [Strategic](#) Plans

The GFCM Forum on Fisheries Science in the Mediterranean and the Black Sea (Fish Forum) is an interdisciplinary event that addresses a variety of key topics related to fisheries, including their interactions with the environment. It aims to promote discussions and cooperation among scientists and policymakers towards producing scientific advice and encompasses oceanographic, social science and economic perspectives on fisheries research.

The importance of the Fish Forum has been recognized by the United Nations (UN) General Assembly as an example of an efficient interface between science and policymaking.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2024-02-19	End Date: 2024-02-23

Venue (e.g. conference centre, hotel)	Format (in-person, virtual, hybrid)	Expected Number of Participants
Antalya, Turkey		500

City/Town	Country
Antalya	Türkiye

Comments on dates, timeline, venue, location, and participants (character limit: 500)

For example, if any of the symposium details are tentative, provide potential timeline dates (month/year of abstract submission, registration, etc.), expected duration (number of days), venue[s] and location[s] under consideration

22 December 2022

Save the date

24 May 2023

Opening of registration

Call for abstract proposals

Call for side events and workshops

15 September 2023

Deadline for abstract proposals

Deadline for side events and workshop proposals

15 November 2023

Deadline for registration

30 November 2023

Announcement of selected abstract proposals

Announcement of keynote speakers

Announcement of the programme

19-23 February 2024**Fish Forum 2024****Symposium Programme (character limit: 1500)**

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events

Three theme sessions with parallel sessions:

- 1) Better science for better advice
 - I) Good practice in data and resource limited assessments
 - II) Assessing fisheries under changing climate and productivity
 - III) Management Strategy Evaluation for fisheries advice
- 2) Healthy seas and sustainable fisheries
 - I) Advancing Fisheries Management through Marine Spatial Planning
 - II) Innovation and adaptation in building resilience to climate change impacts
 - III) Effective measures for protecting vulnerable species
- 3) Economic and technological innovation for resilient fisheries
 - I) Using economic data and engaging stakeholders to support fisheries livelihoods
 - II) Envisaging the future of fisheries value chains
 - III) Innovative technologies for sustainable fisheries

Acronym[s] of ICES Working Groups, Strategic Initiatives, Steering Groups, Operational Groups, and other groups contributing to the symposium (optional)

ASG, FRSG, HAPISG

Contributions by ICES representatives (character limit: 1500)

It is expected that scientists affiliated to ICES working groups and Secretariat professional staff are included in the scientific steering committee and represented in the organizing committee of co-sponsored symposia and, where necessary, for endorsement-only symposia (see Section 2.1, [ICES Symposium Guidelines for Conveners](#)).

Please provide the following additional information: How will ICES representatives contribute to the planning and organization of the symposium? Members of the ICES community may, for instance, act as conveners or session chairs; serve on the planning board, scientific committee, or organizing committees; and assist with the selection of plenary speakers, awards recipients, or early career support.

Additionally, if ICES representatives are already involved in the symposium, please provide this information.

Several people from ICES community (from ASG, HAPISG) and ICES Secretariat staff are involved in this symposium and on its Scientific Committee which includes:

- Supporting the overall scientific supervision of the GFCM Fish Forum 2024. In particular, they will be tasked with selecting scientific abstracts based on the technical quality of the documents and their relevance to the topics of the three thematic sessions. Additionally, they will support the GFCM Secretariat and the technical partners with the overall programme, including selecting side events and workshops.

Resource Request (character limit: 1500)

Before completing this section, conveners should read the [ICES Symposium Guidelines for Conveners](#): particularly sections 1.2 and 1.3, which outline the types of financial, coordination, and technical support that ICES can provide. The support options depend on whether you are seeking ICES co-sponsorship or only its endorsement.

Please list all items requested of ICES in support of the symposium. Include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, website, plans to use the ICES logo, etc. Clearly identify and describe requests that

will require ICES Secretariat to commit time and staff – e.g., coordination, meeting documents, agenda, programmes, technical support, on-site participation, etc. – so ICES can accurately assess its ability to fulfil the requests.

Request for endorsement-only and to have ICES listed as a partner of the event;

Use of ICES Logo

For an ICES Professional Officer to be on the Scientific Committee thus involved in the tasks listed above.

Additional Funding Sources/Sponsors (character limit: 1500)

List all current, pending, and to-be-requested support from other sources: businesses, universities, national funds, etc. Please note that no information on funding is needed for endorsement-only requests.

Hosted by Republic of Türkiye ministry of agriculture and forestry

Financial support of European Union

UNDOS Endorsed

Partners (Partners can technically or financially support the preparation of Fish Forum 2024):

ACCOBAMS, MEDAC, Ocean care, WWF, UN environment programme, ICCAT, CIHEAM BARI, WMU, Commission on the Protection of the Black Sea Against Pollution

Plans for Publication of the Proceedings

Specify potential publication outlet[s] below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to section 2.5 and Annex 4 of [ICES Symposium Guidelines for Conveners](#).

Publication intended (specify): Maybe online on FAO website

No publication intended

General Information

Resolution Status (select one)
<input checked="" type="checkbox"/> New resolution This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council
<input type="checkbox"/> Amendment to an approved resolution This is a change to a currently active resolution that has been approved previously. Common amendments include changes to conveners, updates to symposium dates or venue, and term extensions following unavoidable delays.

One-Sentence Summary (character limit: 280)
Describe the main purpose of this resolution in plain language that can be readily understood by non-experts. Use the active voice and avoid jargon. This summary will be used on the ICES website and social media channels.
The GFCM Forum on Fisheries Science in the Mediterranean and the Black Sea (Fish Forum) is an interdisciplinary event that addresses a variety of key topics related to fisheries, including their interactions with the environment.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Sharing evidence	Priority 2: Evolving advice

ICES Science Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Seafood production	Priority 2: Impacts of human activities

Additional Comments (character limit: 500) (optional)
Restrict comments to those that are required to understand and review this resolution <u>and</u> for which there is no existing box on the form (e.g. request for a special resolution term duration)

Geographic Focus (select at least one)

Non-Geospecific

Select this option when the resolution is not closely focused on a specific geographic region. For instance, symposia focused on techniques or processes typically fall under ‘non-geospecific’.

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input checked="" type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87)

<input type="checkbox"/> Oceanic Northeast Atlantic	<input type="checkbox"/> Pacific, Southwest (FAO area 81)
<input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organizations (where relevant)

Select scientific cooperation, agreements, partnerships, or other close links from the list below. Other links can be specified at the bottom of this table, but please restrict your list to pertinent organizations that are closely associated with this resolution.

No close links to other organizations

United Nations Organizations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)

<input type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM) <input checked="" type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT) <input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organizations (IGOs) <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other organizations not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database

2023/SYM/SCICOM05

Resolution Parent (select one)

Symposia should generally select SCICOM

SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)
Anne Cooper	NA

Resolutions approved in 2022

Third International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic (Spring 2024)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.



Resolution Term (yyyy-mm-dd)

Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.

Start Date: 2023-01-01

End Date: 2024-12-31

Symposium Title (max 280 characters)

Third International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic

Symposium Conveners (max 5)

Full Name	Institute	Email	Country
Lis L. Jørgensen	IMR	lislin@hi.no	Norway
Libby Logerwell	NOAA	libby.logerwell@noaa.gov	USA

Symposium Website URL (if known)

The website for the Spring 2024 (preferably in April) conference is under development:
<https://www.pame.is/projects-new/ecosystem-approach-to-management/ea-conferences/433-third-international-science-and-policy-conference-on-implementation-of-the-ecosystem-approach-to-management-in-the-arctic>

The past websites are available here:

2016 (Fairbanks, Alaska): <https://www.pame.is/projects/ecosystem-approach/ea-conferences/ea-conference>

2019 (Bergen, Norway): <https://www.pame.is/projects/ecosystem-approach/ea-conferences#session-1-integrated-ecosystem-assessment>

Scientific Justification (max 1500 characters)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.

The Ecosystem Approach to Management (EA) is a widely adopted management principle that requires integrated management across sectors of human activities to achieve sustainable use of natural resources while maintaining the integrity of the ecosystem. The EA approach has been acknowledged, defined and adopted by the Arctic states working under the Arctic Council. In 2013 (Kiruna Declaration), the Arctic Council agreed that there was a need for periodic reviews of EA implementation in the Arctic to exchange information on integrated assessment and management experiences.

This conference will bring together experts and practitioners to examine the scientific, policy and indigenous understanding and experience of the ecosystem approach to management in the eighteen Large Marine Ecosystems of the Arctic and corresponding terrestrial areas. Topics to be addressed include elements such as Integrated Ecosystem Assessment, Objectives, Advice as well as national policies. The content will focus on three specific objectives: (1) Benchmark the status of implementation of EA in the Arctic, (2) Present innovative examples of best practices in EA implementation, and (3) Identify priorities for future collaboration on EA implementation in the Arctic Themes.

Proceedings from the conference will be presented to the Arctic Council Ministerial meeting.

Symposium Dates (yyyy-mm-dd)	
Start Date: Click or tap to enter a date.	End Date: Click or tap to enter a date.

Venue (specific place such as the conference centre)	Expected Number of Participants
FRAM centre	100

City/Town	Country
Tromsø	Norway

Comments on dates, venue, location, and participants (max 500 characters)
For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.
The 3-day conference will be held in Tromsø in Spring 2024 during the Norwegian chairmanship of the Arctic Council in cooperation with the High North Research Centre for Climate and the Environment (FRAM Centre) and the Arctic Council Secretariat.

Symposium Programme (max 1500 characters)
Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.
The programme is under development and will focus on: (1) Benchmark the status of implementation of EA in the Arctic, (2) Present innovative examples of best practices in EA implementation, and (3) Identify priorities for future collaboration on EA implementation in the Arctic Themes.

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)
We anticipate that following WGs and SG can contribute to the symposium: WGICA WGIBAR WGINOR WGIEAGS WGIEANBS-CS AFWG IEASG

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The chairs of WGICA (Lis Lindal Jørgensen) and WGIEANBS-CS (Libby Logerwell) are already assisting with the planning of this symposium. We expect that other members of the ICES community, including members of the groups listed above, will participate in the conference and serve on the planning board, scientific and organising committees, and as theme session chairs, and suggest potential keynote speakers from the ICES community.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

10,000 Euros to support the participation of Early Career Scientists and Indigenous knowledge holders (a panel including a member of the ICES Secretariat will be established to select grantees)

Use of the ICES logo and promotion on social media

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

Current:

- (1) Norwegian Institute of Marine Research will host the conference (ref: science director Geir Huse)
- (2) PAME Secretariat will host the symposium website, including coordinating the registration and processing of abstracts and publish the conference program and report

Pending:

Norwegian Government and the Arctic Council secretariate will likely support renting of localities, food, other facilities

Still to be requested: NOAA

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

Publication intended (specify): Conference Report to be published on the PAME website.

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

The Third International Science and Policy Conference on Implementation of the Ecosystem Approach to Management in the Arctic Large Marine Ecosystems will review advancements, identify main obstacles to implementation, and discuss solutions. Scientists and managers are invited to discuss ways to operationalize the progression of ecosystem approaches from idea to implementation and to further develop and update the integration of the diversity of the ecosystem, human activities and the people of the Arctic.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Evolving advice

Priority 2: Identifying needs

ICES Science Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Ecosystem science

Priority 2: Impacts of human activities

Additional Comments (if required, max 500 characters)

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

ICES was a co-sponsor for the 2019 Second EA International Conference. The report is available here: <https://www.ices.dk/news-and-events/Documents/Symposia/Symposia%20Report%202019.pdf>

Geographic Focus (select one or more)

Non-geospecific

Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input checked="" type="checkbox"/> Arctic Ocean <input checked="" type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input checked="" type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input checked="" type="checkbox"/> Faroes <input checked="" type="checkbox"/> Greater North Sea <input checked="" type="checkbox"/> Greenland Sea <input checked="" type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input checked="" type="checkbox"/> Norwegian Sea <input checked="" type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)

<input type="checkbox"/> Regional Coordination Groups (RCGs)
<input type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)
Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)
<input type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM)
<input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT)
<input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO)
<input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC)
<input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
Regional Sea Conventions
<input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)
<input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
Arctic Networks
<input checked="" type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP)
<input checked="" type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF)
<input checked="" type="checkbox"/> International Arctic Science Committee (IASC)
<input checked="" type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
Scientific Intergovernmental Organisations (IGOs)
<input type="checkbox"/> Mediterranean Science Commission (CIESM)
<input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO)
<input checked="" type="checkbox"/> North Pacific Marine Science Organization (PICES)
Other
<input type="checkbox"/> European Aquaculture Society (EAS)
<input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier
Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database.
2022/SYM/SCICOM05

Resolution Parent (select one)
Symposia should generally select SCICOM.
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)

Secretariat Comments (max 500 characters)

Only include essential comments that can be made public and must stay with the resolution.

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7th Zooplankton Production Symposium (17-21 March 2024)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.

**Resolution Term (yyyy-mm-dd)**

Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.

Start Date: 2023-01-01**End Date:** 2024-12-31**Symposium Title (max 280 characters)**

7th Zooplankton Production Symposium

Symposium Conveners (max 5)

Full Name	Institute	Email	Country
Anthony Richardson	University of Queensland and CSIRO	Anthony.Richardson@csiro.au	Australia
Kerrie Swadling	University of Tasmania	K.swadling@utas.edu.au	Australia
Sophie Pitois	Cefas	sophie.pitois@cefas.co.uk	UK
Sonia Batten	PICES	sonia.batten@pices.int	Canada
Akash Sastri	DFO	Akash.Sastri@dfo-mpo.gc.ca	Canada

Symposium Website URL (if known)

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Scientific Justification (max 1500 characters)

Describe the aims, objectives, and anticipated outcomes of the symposium and the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.

Zooplankton play a pivotal role in polar, temperate and tropical marine ecosystems as well as in global biogeochemical cycles. They function as prey for commercially harvested fish, as grazers of primary production, and as drivers of carbon and nutrient cycles. Their population and community dynamics, including their growth, mortality, distribution, and diversity, structure the ecosystem. Zooplankton species may be a target for commercial harvesting, including Antarctic krill and other

midwater species. Consequences of increasing exploitation of resources at lower trophic levels is still poorly understood and require urgent, multidisciplinary research. At the same time, a changing environment influences their dynamics. Climate change is profoundly impacting marine ecosystems through changes in zooplankton. A combination of new technologies and techniques, together with classical in situ and laboratory studies and targeted modelling studies, is required to understand changing ecosystems. In response to the need to understand zooplankton dynamics, their sensitivity to change, and the resultant effects on ecosystems, ICES and PICES are holding the 7th International Zooplankton Production Symposium as a forum to discuss zooplankton and their role in the global ecosystem.

Symposium Dates (yyyy-mm-dd)	
Start Date: 2024-03-17	End Date: 2024-03-21

Venue (specific place such as the conference centre)	Expected Number of Participants
Hotel Grand Chancellor	350

City/Town	Country
Hobart, Tasmania	Australia

Comments on dates, venue, location, and participants (max 500 characters)

For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.

This symposium was postponed to 2024 due to COVID-19. The venue is provisionally booked. It has 5 conference rooms, a capacity of 1000 people, and is close to a range of accommodation options of varying prices, the Waterfront, and the restaurant precinct. Hobart is the main centre of marine science in Australia, with several marine scientific organisations nearby including CSIRO, the Institute of Marine and Antarctic Science, and the Australian Antarctic Division.

The 6th Zooplankton Production Symposium 2016 in Bergen was attended by ca. 400 participants. The travel to Hobart might deter some European and North American participants, but we hope for a strong showing from Asian countries.

Symposium Programme (max 1500 characters)

Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.

This will be a 5-day symposium with a potential workshop day targeted towards students and ECS on the Sunday before the official start of the conference. Each morning will open with a keynote presentation followed by oral sessions. Theme sessions will be decided once the steering committee is in place later this year (by Oct 2022). There will be 1 or 2 poster sessions scheduled in the evening to promote mixing of the participants.

Potential overall schedule:

Sunday am - Workshops and training targeted at students and ECS

Sunday night – Icebreaker

Monday am - Opening ceremony

Mon night – Poster session 1
 Tue night – Poster session 2 (if needed)
 Wed am - Workshops
 Wed night – Afternoon excursion
 Thu night – Conference dinner
 Friday - Closing ceremony with prizes for posters and orals for students and ECSs

Potential daily schedule will start with a plenary talk, followed by theme session presentations.

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)

WGZE will have a strong input into the scientific content of the symposium

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The symposium is jointly organized and sponsored with PICES. Sophie Pitois, a chair of WGZE, will be one of the conveners. A Scientific Steering Group will be established with members nominated by the ICES Working Group on Zooplankton (WGZE), the relevant PICES Committees, and the local organising committee in Australia.

Organising this Symposium is one of the WGZE current ToRs; there will therefore be strong input to the scientific content from WGZE members, who will also be encouraged to submit proposals for theme sessions and workshops, attend the conference as participants, presenters and session chairs. Members of the WGZE will also be on the Scientific Steering Group.

Staff from the ICES Secretariat will participate in the symposium organising committee and in the panel selecting early career scientist travel grantees.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

The registration and abstract submission facilities, as well as the symposium website will be provided by PICES Secretariat.

ICES is requested to:

1- Provide 10,000 euros to support travel and subsistence of early career scientists.

2- ICES Secretariat staff to provide input on general coordination of the symposium and scientific input to the program in collaboration with PICES, the local organising committee, and the Scientific Steering Group.

3- Permit the use of ICES logo on all symposium documentation and advertising

A representative of the Secretariat will be invited to the conveners monthly online meetings. Attendance of ICES Secretariat staff at the conference as well as the ICES leadership or a national delegate to open the conference is highly desirable.

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

A Conference fee will be imposed to cover the lion's share of the expenses. Additional funding will be sought from the co-sponsoring partners and from other local and national sponsors.

The budget is currently being developed...

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

Publication intended (specify): The ICES Journal of Marine Science is requested for the publication of the proceedings. Conveners agree to the 15-month turnaround schedule for publication.

No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

We are excited to announce the 7th Zooplankton Production Symposium for March 2024 in Hobart, Australia. Since our last symposium in 2016, new technologies have been developed to aid the collection of zooplankton information, leading to further understanding on the impact of climate change and other anthropogenic pressures on pelagic environments. Zooplankton enthusiasts are invited to share their latest research on areas of science related to the role of zooplankton in marine ecosystems around the world, from polar to tropical environments.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Sharing evidence	Priority 2: Choose an item.

ICES Science Plan Priorities (select up to two if relevant to this resolution)	
Priority 1: Ecosystem science	Priority 2: Observation and exploration

Additional Comments (if required, max 500 characters)
 Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

Geographic Focus (select one or more)

Non-geospecific
 Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
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Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

United Nations Organisations and Programmes

- European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC)
- Food and Agriculture Organization of the United Nations (FAO)
- International Maritime Organization (IMO)
- International Sea bed Authority (ISA)
- Secretariat of the Convention on Biological Diversity (CBD)
- UN Environment (UNEP)
- UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)

European Commission and its Agencies

- European Commission (EC)
- European Environment Agency (EEA)
- European Fisheries Control Agency (EFCA)
- Joint Research Council (JRC)
- Regional Coordination Groups (RCGs)
- Statistical Office of the European Communities (EUROSTAT)

Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)

- General Fisheries Commission in the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- North Atlantic Salmon Conservation Organization (NASCO)
- North East Atlantic Fisheries Commission (NEAFC)
- Northwest Atlantic Fisheries Organization (NAFO)

Regional Sea Conventions

- Baltic Marine Environment Protection Commission (HELCOM)
- Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)

Arctic Networks

- Arctic Monitoring and Assessment Programme (AMAP)
- Conservation of Arctic Flora and Fauna (CAFF)
- International Arctic Science Committee (IASC)
- Protection of the Arctic Marine Environment Working Group (PAME)

Scientific Intergovernmental Organisations (IGOs)

- Mediterranean Science Commission (CIESM)
- North Atlantic Marine Mammal Commission (NAMMCO)
- North Pacific Marine Science Organization (PICES)

Other

- European Aquaculture Society (EAS)
- Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	

ICES Secretariat to complete the information below

<p>Unique Identifier Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database.</p>
2022/SYM/SCICOM04

<p>Resolution Parent (select one) Symposia should generally select SCICOM.</p>
SCICOM

Professional Officer (if relevant)	Supporting Officer (if relevant)

<p>Secretariat Comments (max 500 characters) Only include essential comments that can be made public and must stay with the resolution.</p>

Oceans Past 2024: Historical perspectives on human-ocean interactions: deep understandings for informing ocean futures (10-14 June 2024)

Resolution Form: Symposium

Review the ICES Symposium Guidelines for Conveners before submitting this resolution form. Once approved, all resolution information on this form will be publicly available on the ICES website.



<p>Resolution Term (yyyy-mm-dd) Select a 2-year term. Start date is January 1 of the year before the symposium. End date is December 31 of the symposium year.</p>		
<table border="1"> <tr> <td>Start Date: 2023-01-01</td> <td>End Date: 2024-12-31</td> </tr> </table>	Start Date: 2023-01-01	End Date: 2024-12-31
Start Date: 2023-01-01	End Date: 2024-12-31	

Symposium Title (max 280 characters)
Oceans Past 2024: Historical perspectives on human-ocean interactions: deep understandings for informing ocean futures.

Symposium Conveners (max 5)			
Full Name	Institute	Email	Country
Ruth Thurstan	University of Exeter	r.thurstan@exeter.ac.uk	UK
Gesche Krause	Alfred Wegener Institute Helmholtz Center for Polar and Marine Research	gesche.krause@awi.de	Germany

Symposium Website URL (if known)
www.oceanspast.org

Scientific Justification (max 1500 characters)
Describe the aims, objectives, and anticipated outcomes of the symposium <u>and</u> the relevance of the symposium to the ICES Science, Advisory, and/or Strategic Plans.
<p>Aims: The Oceans Past Initiative (OPI) works to understand the past interactions of maritime societies with marine ecosystems, their influences upon ecosystem dynamics and health and repercussions on human systems. This goal aligns with ICES Science Plan to advance "understanding of marine ecosystems [and] effects of human activities" and generate "evidence on the state and sustainable use of our seas".</p> <p>Objectives: OP2024 will cover scales of past exploitation/consumption patterns of living marine resources; changing human-ocean interactions through time and their social-ecological consequences; targets for ecosystem-based management; societal benefits gained from healthy marine ecosystems, and; trajectories and repercussions of management interventions on marine social-ecological systems. We will showcase efforts to enhance data availability and access in line with best practice by groups such as ICES Data Centre.</p> <p>Outcomes: OP2024 will continue the successful run of interdisciplinary meetings that bring together a growing global network of researchers to generate a fuller system understanding of our interactions with oceans through time, outcomes, and likely future trajectories of marine system health and societal needs.</p> <p>Relevance: OP2024 informs several ICES Science Priorities: Ecosystem Science [advancing understanding of marine ecosystem dynamics], Impacts of Human Activities [quantifying effects of human activities on marine ecosystems and services], Observation and Exploration [tracking past changes and extending datasets], Seafood Production [quantifying past production and corresponding impacts on resilience] and Sea and Society [mapping societal benefits of marine ecosystems through time].</p>

Symposium Dates (yyyy-mm-dd)	
Start Date: 2024-06-10	End Date: 2024-06-14

Venue (specific place such as the conference centre)	Expected Number of Participants
University of Exeter's Cornwall Campus	70

City/Town	Country
Penryn, Cornwall	United Kingdom

Comments on dates, venue, location, and participants (max 500 characters)
For example, if any of the symposium details are tentative, provide potential dates (month/year), expected duration (# of days), venue(s) and location(s) under consideration.
Dates for OP2024 are tentative but are most likely to take place in June 2024, as this aligns well with term dates (for conference room availability on campus) and avoids peak holiday season (for accommodation availability in Penryn and Falmouth). If this month is unavailable, we will aim for May or early July of that same year. Expected duration is 5 days.

Symposium Programme (max 1500 characters)
Briefly describe the symposium programme, including any pre- or post-symposium workshops, training, early career activities, and other coordinated events.
The symposium programme will include the following sessions, each with a series of oral/poster presentations followed by a moderated group discussion.
<ul style="list-style-type: none"> - Charting past exploitation and consumption of living marine resources through time - Changing human-ocean interactions and their social and ecological consequences - Past oceans and present-day targets for ecosystem-based management - Understanding the societal benefits gained from healthy marine ecosystems, past and present - Trajectories and outcomes of management interventions for sea and societies - Past oceans for future policy - Transformations in marine resource utilisation and valuation (i.e., technical development of fishing technologies, aquaculture, etc.): role and effects on social-ecological system perspectives
<p>Training and ECR activities:</p> <ul style="list-style-type: none"> - Historical data archiving: best practices for enhancing availability and access of your data - Mixed methods approaches: analysis of qualitative and quantitative data - Early Career Session: enhancing interdisciplinary networks - Early Career Session: generating cross-disciplinary mentorship opportunities - Early Career Session: interdisciplinary working and publishing - tips and tricks - Early Career Awards: Best talk, Best poster, Best interdisciplinary approach (prize will be a book or similar)
<p>Workshops: The lead convenor will explore opportunities with the WGHIST chairs for hosting the annual meeting of the ICES Working Group on the History of Fish and Fisheries immediately before or after the conference to maximise attendance at both meetings.</p>

Acronym(s) of ICES Expert Groups, Strategic Initiatives, Steering Groups, Operational Groups, and Other Groups Contributing to the Symposium (optional)

WGHIST

DIG (to be approached)

SIHD (to be approached)

Contributions by ICES Representatives (max 1500 characters)

How will ICES representatives contribute to the planning and organisation of the symposium? For example, members of the ICES community may be conveners, session chairs, serve on the planning board, scientific and organising committees, assist with the selection of plenary speakers, awards, and early career support. Additionally, if ICES representatives are already involved in the symposium, please provide this information.

The lead convener will explore opportunities for ICES representatives to be involved in the following:

- A session chair or keynote speaker on the 'Applications of historical data to marine management policy: challenges and opportunities'
- Assistance with the selection of researchers for Early Career Support and to ensure parity of support across disciplines, member states, gender...
- Help with identifying training sessions/subjects of potential interest to ECRs would be much appreciated - we will also have feedback from the Oceans Past 2022 conference ECR sessions to learn from.
- Involvement on the conference planning board, if time and of interest.

Resource Request (max 1500 characters)

Before completing this section, conveners should read the ICES Symposium Guidelines for Conveners outlining the types of financial, coordination, and technical support that can be provided by ICES. List below all items requested of ICES to support this symposium. This must include specifics of any financial request, assistance with early career support applications, symposium registration, advertising, and/or website and virtual conference hosting, plans to use the ICES logo, etc. Clearly identify and describe requests that will require any time of ICES Secretariat staff such as coordination and technical support. This information is required so that the ICES Secretariat can assess its ability to fulfil these requests.

We seek support from ICES and other professional organizations for financial support to 1) subsidise attendance costs of early career researchers from ICES-member countries, 2) support an early career network event and 3) support an early career keynote speaker to attend. 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.

We therefore request 10,000 Euros from ICES to strengthen the participation of early career researchers and ECR keynote speakers. These funds will be used to: 1) subsidise registration, subsistence and accommodation costs for ECRs from ICES member countries (5000€), 2) support an ECR networking event during the conference (3000€) and, 3) subsidise travel costs for an early career keynote speaker to attend (2000€).

We also seek support from the ICES Comms team in advertising the conference across social media channels and the ICES website, and in identifying courses or events that may be of interest to

Oceans Past conference attendees e.g., ECS training courses/organisers that have previously received positive feedback.
Finally, we seek the use of the ICES logo on symposium websites, social media and communications to early career scientists.

Additional Funding Sources (max 1500 characters)

List all current, pending, and to be requested support from other sources.

The majority of conference costs will be borne by participant registration fees and by the vast majority of participants self-funding their travel and accommodation.

Fisheries Society of the British Isles - to be requested

University of Exeter - to be requested

In-kind support from currently funded projects e.g., ERC Synergy Project SEACHANGE, based at Exeter.

If the timeline permits, fellowship applications (such as the European Research Council Consolidator Grants) will include a request for conference support.

Plans for Publication of the Proceedings

Specify potential publication outlet(s) below. For specific information on publishing proceedings in the ICES Journal of Marine Science (IJMS), refer to the ICES Symposium Guidelines.

- Publication intended (specify):
 No publication intended

General Information

Resolution Status (select one)

New resolution

This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council.

Amendment to an approved resolution

This is a change to a currently active resolution that has been previously approved. Common amendments include changes to conveners, updates to symposium dates and venue, and term extensions following unavoidable delays.

One-Sentence Summary (max 280 characters)

Describe the central purpose of this resolution written for non-experts for use on the ICES website and social media. Use active voice, plain language with simple words that convey meaning, and avoid jargon.

The Oceans Past Conference brings together scientists and humanities researchers from around the world to better understand our past interactions with oceans, the changes that subsequently occurred and the consequences for ecosystems and human health, with the aim to inform future policy.

ICES Advisory Plan Priorities (select up to two if relevant to this resolution)

Priority 1: Choose an item.

Priority 2: Choose an item.

ICES Science Plan Priorities (select up to two if relevant to this resolution)**Priority 1:** Impacts of human activities**Priority 2:** Sea and society**Additional Comments (if required, max 500 characters)**

Restrict comments to those that are required to understand and review this resolution and for which there is no existing box on the form (e.g., request for a special resolution term duration).

Geographic Focus (select one or more) **Non-geospecific**

Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).

ICES Ecoregions and Adjacent Ecoregions	Areas outside ICES Ecoregions and Adjacent Ecoregions
<input type="checkbox"/> Adriatic Sea <input type="checkbox"/> Aegean-Levantine Sea <input type="checkbox"/> Arctic Ocean <input type="checkbox"/> Atlantic, Northeast (FAO area 27) <input type="checkbox"/> Azores <input type="checkbox"/> Baltic Sea <input type="checkbox"/> Barents Sea <input type="checkbox"/> Bay of Biscay and the Iberian Coast <input type="checkbox"/> Black Sea <input type="checkbox"/> Celtic Seas <input type="checkbox"/> Faroes <input type="checkbox"/> Greater North Sea <input type="checkbox"/> Greenland Sea <input type="checkbox"/> Icelandic Waters <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea <input type="checkbox"/> Norwegian Sea <input type="checkbox"/> Oceanic Northeast Atlantic <input type="checkbox"/> Western Mediterranean Sea	<input type="checkbox"/> Arctic Sea (FAO area 18) <input type="checkbox"/> Atlantic, Antarctic (FAO area 48) <input type="checkbox"/> Atlantic, Eastern Central (FAO area 34) <input type="checkbox"/> Atlantic, Northwest (FAO area 21) <input type="checkbox"/> Atlantic, Southeast (FAO area 47) <input type="checkbox"/> Atlantic, Southwest (FAO area 41) <input type="checkbox"/> Atlantic, Western Central (FAO area 31) <input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58) <input type="checkbox"/> Indian Ocean, Eastern (FAO area 57) <input type="checkbox"/> Indian Ocean, Western (FAO area 51) <input type="checkbox"/> Mediterranean and Black Sea (FAO area 37) <input type="checkbox"/> Pacific, Antarctic (FAO area 88) <input type="checkbox"/> Pacific, Eastern Central (FAO area 77) <input type="checkbox"/> Pacific, Northeast (FAO area 67) <input type="checkbox"/> Pacific, Northwest (FAO area 61) <input type="checkbox"/> Pacific, Southeast (FAO area 87) <input type="checkbox"/> Pacific, Southwest (FAO area 81) <input type="checkbox"/> Pacific, Western Central (FAO area 71)

Close Links to Other Organisations (if relevant)

Select scientific cooperation, agreements, partnerships, and other close links from the list below. Other links can be specified at the bottom of this table, but restrict your list to pertinent organisations that are closely associated with this resolution.

No close links to other organisations

<p>United Nations Organisations and Programmes</p> <ul style="list-style-type: none"> <input type="checkbox"/> European Inland Fisheries and Aquaculture Advisory Commission (EIFAAC) <input type="checkbox"/> Food and Agriculture Organization of the United Nations (FAO) <input type="checkbox"/> International Maritime Organization (IMO) <input type="checkbox"/> International Sea bed Authority (ISA) <input type="checkbox"/> Secretariat of the Convention on Biological Diversity (CBD) <input type="checkbox"/> UN Environment (UNEP) <input type="checkbox"/> UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC)
<p>European Commission and its Agencies</p> <ul style="list-style-type: none"> <input type="checkbox"/> European Commission (EC) <input type="checkbox"/> European Environment Agency (EEA) <input type="checkbox"/> European Fisheries Control Agency (EFCA) <input type="checkbox"/> Joint Research Council (JRC) <input type="checkbox"/> Regional Coordination Groups (RCGs) <input type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)
<p>Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)</p> <ul style="list-style-type: none"> <input type="checkbox"/> General Fisheries Commission in the Mediterranean (GFCM) <input type="checkbox"/> International Commission for the Conservation of Atlantic Tunas (ICCAT) <input type="checkbox"/> North Atlantic Salmon Conservation Organization (NASCO) <input type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC) <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)
<p>Regional Sea Conventions</p> <ul style="list-style-type: none"> <input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM) <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)
<p>Arctic Networks</p> <ul style="list-style-type: none"> <input type="checkbox"/> Arctic Monitoring and Assessment Programme (AMAP) <input type="checkbox"/> Conservation of Arctic Flora and Fauna (CAFF) <input type="checkbox"/> International Arctic Science Committee (IASC) <input type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME)
<p>Scientific Intergovernmental Organisations (IGOs)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Mediterranean Science Commission (CIESM) <input type="checkbox"/> North Atlantic Marine Mammal Commission (NAMMCO) <input type="checkbox"/> North Pacific Marine Science Organization (PICES)
<p>Other</p> <ul style="list-style-type: none"> <input type="checkbox"/> European Aquaculture Society (EAS) <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)

Other Organisations(s) not listed above (if relevant)	

ICES Secretariat to complete the information below

Unique Identifier

Include the auto-generated identifier when the approved resolution is added to the resolution database.

2022/SYM/SCICOM03

Resolution Parent (select one)

Symposia should generally select SCICOM.

SCICOM

Professional Officer (if relevant)

Supporting Officer (if relevant)

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Secretariat Comments (max 500 characters)

Only include essential comments that can be made public and must stay with the resolution.

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Resolutions approved 2016

Marine Socio-Ecological Systems - MSEAS 2020: Navigating global change in the marine environment with socio-ecological knowledge (3-7 June 2024)d

DUE TO COVID-19 VIRUS OUTBREAK, THE SYMPOSIUM HAS BEEN POSTPONED; PLEASE VISIT THE [ICES SYMPOSIA WEBPAGE](#) FOR INFORMATION AND NEW DATES.

2016/3/SSGIEA07 A Symposium on “**Marine Socio-Ecological Systems - MSEAS 2020: Navigating global change in the marine environment with socio-ecological knowledge**” will be held in 2020, in Yokohama, Japan with Rich Little (Australia, SPICES), Marloes Kraan (Netherlands, ICES), Mitsutaku Makino (Japan, PICES), Doug Lipton (US, ICES) and Keith Criddle (US, PICES) as Conveners.

A Scientific Steering Group will be established to assist the Conveners in planning the Symposium, with suggested participation of Jan Jaap Poos (Netherlands), Olivier Thebaud (France), Alan Haynie (USA), Jörn Schmidt (Germany), Ingrid van Putten (Australia), Evangelia Drakou (Netherlands), Eva Plaganyi (Australia), Katell Hamon (Netherlands), Sophie Gourguet (France).

Symposium coordinators: Alex Bychkov (PICES), Alondra Sofia Rodriguez (ICES)

Supporting Information

Priority: Policy and decision-makers responsible for activities that affect the marine environment must weigh how to adapt to or mitigate the impacts of human activity across a range of spatial and jurisdictional scales (global, national, regional to local) and time frames (near-term, long-term, infinite). The marine environment as a source of foods, energy, minerals, environmental services, and vector for maritime transit is an essential component of the world economy. Investments in “blue growth” are escalating across the globe, supported by well-established economic sectors (shipping, fishing and seafood processing, coastal aquaculture, coastal tourism, conventional exploitation of oil and gas, etc.) and emerging sectors (kinetic and thermal energy, deep-sea oil, gas, and mineral resources, blue-water aquaculture, marine biotechnologies, etc.). The challenge is to enable current and future growth of maritime activities, while ensuring their long-term sustainability from ecological, economic and social points of view. This challenge implies managing human impacts on marine ecosystems and, in turn, managing the impacts of ecological changes on coastal populations, industries and society at-large. This requires extension of traditional disciplinary and interdisciplinary scientific methods and development of new trans-disciplinary approaches to better integrate policy and decision making systems and to better account for risk and uncertainty, evolving social preferences, and environmental justice. Development of new decision support tools that are robust to the current uncertainties in our understanding and limits to the predictive ability of social-ecological system models has been identified by the World Economic Forum and OECD as one of the most important emerging areas of science. This was also the focus of the MSEAS 2016 symposium, which sought to establish an inter-disciplinary, international dialogue on how to include human dimensions within research, science and management efforts intended to support the long-term management of marine and coastal ecosystems.

Considerable progress has been made in characterizing the options available to policy and decision makers, visualizing synergies and tradeoffs of activities in the marine environment. Central challenges include: identifying the spectrum of economic, social and ecological values and objectives of society, and understanding the hierarchical dynamic nature of the human and biophysical systems, all in the context of high u

certainty. Simulation models offer a way to evaluate the robustness of alternative adaptive decision-making systems in the context of a highly uncertain decision-making environment.

Building on the success of the MSEAS 2016 symposium, MSEAS 2020 will bring together experts from around the world, from a range of disciplinary areas to focus on the science to support integrated planning and decision making for the marine environment. It will characterize the spectrum of “user specifications” for decision support from relevant policy-makers, from local to national scales; match these needs with the most appropriate assessment and evaluation approaches; and identify the major multidisciplinary and technical challenges that need to be addressed in order to deliver robust policy and decision making systems for different decision making contexts (e.g., local government, regional planning, national/international policies) in the marine environment.

In summary, the objectives of this symposium will be to:

1. Provide a focused international forum for the presentation and discussion of frontier research on marine social-ecological systems.
2. Foster closer collaboration among biophysical, economic and social, decision-support researchers and policy-makers.
3. Review the theoretical and technical strengths and weaknesses of current social-ecological models.
4. Identify short-term opportunities for increased cross fertilization of cross-disciplinary/cross-domain approaches and longer-term strategic research directions, including potential case studies.

Scientific justification: The symposium will focus on the integrated assessment of multiple ocean uses across sectors, including: fisheries, renewable energy, coastal development, oil and gas, transport, and the need for conservation. Emphasis will be on the methodological and empirical challenges involved in including the human dimensions in integrated ecosystem assessments. As was highlighted during MSEAS 2016, exploring tools to specifically evaluate coupled social-ecological systems is sorely needed, is timely, and is just beginning to be done.

Understanding these complex social-ecological systems is a challenging new area of research that combines multidisciplinary, interdisciplinary and transdisciplinary components. The integrated marine focus is relatively new, as previous research efforts have either been terrestrially focused or dealt primarily with single sectors.

Resource requirements: Primary funding will be achieved through registration fees, as is typical. The conveners will seek additional sponsorship from participating institutions and other agencies which have active interest in the topic. These funds will be used to support keynote speakers, participation of postgraduate students and early career scientists, and to support publication.

Participants: There is increasing global interest in this topic which we expect to be reflected in participation from scientists and practitioners from Asia, Europe, North America, and Australasia. In addition, the scope of the symposium with its multi-disciplinary and multi-sectoral focus will ensure considerable interest. We would anticipate that around 200-250 delegates will attend.

Secretariat facilities: The conveners requested PICES support for advertisement, pre-planning, development of a web page and management of registration, and the general organisation of the symposium. ICES support is thus requested for advertising mainly.

Financial: The conveners humbly request ICES to contribute €10,000 to fund travel support for early career scientists. (approved by SCICOM pending Council allocation of funding in November 2018)

Linkages to other organizations: Linkages to other organisations will pursued, including PICES, IMBER, IIFET, Belmont Forum, Future Earth and others

Publication proceedings After communication with the local organizer, the journal 'Fisheries Science' has been approached for the proceedings
