

## Co-sponsored Symposia Resolutions

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## Resolutions approved in 2024

### Applying the Ecosystem Approach to Fisheries Management in ABNJ

#### 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.

|                                     |                              |
|-------------------------------------|------------------------------|
| <b>Symposium Dates (yyyy-mm-dd)</b> |                              |
| <b>Start Date:</b> 2025-03-x        | <b>End Date:</b> 2025-03-x+3 |

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

| <b>City/Town</b> | <b>Country</b> |
|------------------|----------------|
| 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”<sup>1</sup>.

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

<sup>1</sup> <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<br><input type="checkbox"/> Celtic Seas<br><input type="checkbox"/> Faroes<br><input type="checkbox"/> Greater North Sea<br><input type="checkbox"/> Greenland Sea<br><input type="checkbox"/> Icelandic Waters<br><input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea<br><input type="checkbox"/> Norwegian Sea<br><input checked="" type="checkbox"/> Oceanic Northeast Atlantic<br><input type="checkbox"/> Western Mediterranean Sea | <input checked="" type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)<br><input type="checkbox"/> Indian Ocean, Eastern (FAO area 57)<br><input type="checkbox"/> Indian Ocean, Western (FAO area 51)<br><input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37)<br><input type="checkbox"/> Pacific, Antarctic (FAO area 88)<br><input type="checkbox"/> Pacific, Eastern Central (FAO area 77)<br><input checked="" type="checkbox"/> Pacific, Northeast (FAO area 67)<br><input checked="" type="checkbox"/> Pacific, Northwest (FAO area 61)<br><input checked="" type="checkbox"/> Pacific, Southeast (FAO area 87)<br><input checked="" type="checkbox"/> Pacific, Southwest (FAO area 81)<br><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)



|  |
|--|
| <p><b>Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)</b></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><b>Regional Sea Conventions</b></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><b>Arctic Networks</b></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><b>Scientific Intergovernmental Organizations (IGOs)</b></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><b>Other</b></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><b>Unique Identifier</b></p> <p>Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database</p> |
| 2024/SYM/SCICOM01  |

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

| Professional Officer (if relevant) | Supporting Officer (if relevant) |
|------------------------------------|----------------------------------|
| Anne Cooper                        | Camilla Scharff-Olsen            |

Fourth International Conference for Arctic Research Planning (ICARP IV) within Arctic Science Summit Week (ASSW) 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 | <a href="mailto:druckenmiller@colorado.edu">druckenmiller@colorado.edu</a> | 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 and 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 (SIIIECS); 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

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

|   |   |
|---|---|
| <input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea | <input type="checkbox"/> Pacific, Northeast (FAO area 67)       |
| <input checked="" type="checkbox"/> Norwegian Sea                     | <input type="checkbox"/> Pacific, Northwest (FAO area 61)       |
| <input type="checkbox"/> Oceanic Northeast Atlantic                   | <input type="checkbox"/> Pacific, Southeast (FAO area 87)       |
| <input type="checkbox"/> Western Mediterranean Sea                    | <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 checked="" type="checkbox"/> Protection of the Arctic Marine Environment Working Group (PAME) |
| <b>Scientific Intergovernmental Organizations (IGOs)</b>   |
| <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)                |
| <b>Other</b>   |
| <input type="checkbox"/> European Aquaculture Society (EAS)  |
| <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)                        |

| Other organizations not listed above (if relevant) |  |
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### ICES Secretariat to complete the information below

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

|   |
|---|
| <b>Resolution Parent (select one)</b>   |
| Symposia should generally select SCICOM |
| SCICOM                                  |

|   |   |
|---|---|
| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
| Eirini Glyki                              | Camilla Scharff-Olsen                   |



## MARE People and the Sea conference 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.

| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
|-------------------------------------|-----------------------------|
| <b>Start Date:</b> 2025-06-01       | <b>End Date:</b> 2025-06-05 |

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

| <b>City/Town</b> | <b>Country</b>  |
|------------------|-----------------|
| 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 boatripe 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<br><input type="checkbox"/> Barents Sea<br><input type="checkbox"/> Bay of Biscay and the Iberian Coast<br><input type="checkbox"/> Black Sea<br><input type="checkbox"/> Celtic Seas<br><input type="checkbox"/> Faroes<br><input type="checkbox"/> Greater North Sea<br><input type="checkbox"/> Greenland Sea<br><input type="checkbox"/> Icelandic Waters<br><input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea<br><input type="checkbox"/> Norwegian Sea<br><input type="checkbox"/> Oceanic Northeast Atlantic<br><input type="checkbox"/> Western Mediterranean Sea | <input type="checkbox"/> Atlantic, Southwest (FAO area 41)<br><input type="checkbox"/> Atlantic, Western Central (FAO area 31)<br><input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)<br><input type="checkbox"/> Indian Ocean, Eastern (FAO area 57)<br><input type="checkbox"/> Indian Ocean, Western (FAO area 51)<br><input type="checkbox"/> Mediterranean and Black Sea (FAO area 37)<br><input type="checkbox"/> Pacific, Antarctic (FAO area 88)<br><input type="checkbox"/> Pacific, Eastern Central (FAO area 77)<br><input type="checkbox"/> Pacific, Northeast (FAO area 67)<br><input type="checkbox"/> Pacific, Northwest (FAO area 61)<br><input type="checkbox"/> Pacific, Southeast (FAO area 87)<br><input type="checkbox"/> Pacific, Southwest (FAO area 81)<br><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)

|   |
|---|
| <p><b>Regional Fisheries Organisations and Management Organizations (RFOs/RFMOs)</b></p> <p><input 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 type="checkbox"/> North East Atlantic Fisheries Commission (NEAFC)</p> <p><input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)</p> |
| <p><b>Regional Sea Conventions</b></p> <p><input type="checkbox"/> Baltic Marine Environment Protection Commission (HELCOM)</p> <p><input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR)</p>  |
| <p><b>Arctic Networks</b></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><b>Scientific Intergovernmental Organizations (IGOs)</b></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><b>Other</b></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) |  |
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**ICES Secretariat to complete the information below**

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

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

|   |   |
|---|---|
| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
| Eirini Glyki                              | Barbora Valachova                       |

## Small Pelagic Fish: Key Resources for Social and Ecological Systems

### 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.

| <b>Symposium Dates (yyyy-mm-dd)</b> |                              |
|-------------------------------------|------------------------------|
| <b>Start Date:</b> spring 2026      | <b>End Date:</b> spring 2026 |

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

| <b>City/Town</b> | <b>Country</b> |
|------------------|----------------|
| 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.

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**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<br><input checked="" type="checkbox"/> Aegean-Levantine Sea<br><input type="checkbox"/> Arctic Ocean<br><input checked="" type="checkbox"/> Atlantic, Northeast (FAO area 27)<br><input checked="" type="checkbox"/> Azores<br><input checked="" type="checkbox"/> Baltic Sea<br><input checked="" type="checkbox"/> Barents Sea<br><input checked="" type="checkbox"/> Bay of Biscay and the Iberian Coast<br><input checked="" type="checkbox"/> Black Sea<br><input checked="" type="checkbox"/> Celtic Seas<br><input type="checkbox"/> Faroes<br><input checked="" type="checkbox"/> Greater North Sea<br><input checked="" type="checkbox"/> Greenland Sea<br><input checked="" type="checkbox"/> Icelandic Waters<br><input checked="" type="checkbox"/> Ionian Sea and the Central Mediterranean Sea<br><input checked="" type="checkbox"/> Norwegian Sea<br><input checked="" type="checkbox"/> Oceanic Northeast Atlantic<br><input checked="" type="checkbox"/> Western Mediterranean Sea | <input type="checkbox"/> Arctic Sea (FAO area 18)<br><input checked="" type="checkbox"/> Atlantic, Antarctic (FAO area 48)<br><input checked="" type="checkbox"/> Atlantic, Eastern Central (FAO area 34)<br><input checked="" type="checkbox"/> Atlantic, Northwest (FAO area 21)<br><input checked="" type="checkbox"/> Atlantic, Southeast (FAO area 47)<br><input checked="" type="checkbox"/> Atlantic, Southwest (FAO area 41)<br><input type="checkbox"/> Atlantic, Western Central (FAO area 31)<br><input checked="" type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)<br><input checked="" type="checkbox"/> Indian Ocean, Eastern (FAO area 57)<br><input checked="" type="checkbox"/> Indian Ocean, Western (FAO area 51)<br><input checked="" type="checkbox"/> Mediterranean and Black Sea (FAO area 37)<br><input type="checkbox"/> Pacific, Antarctic (FAO area 88)<br><input checked="" type="checkbox"/> Pacific, Eastern Central (FAO area 77)<br><input checked="" type="checkbox"/> Pacific, Northeast (FAO area 67)<br><input checked="" type="checkbox"/> Pacific, Northwest (FAO area 61)<br><input checked="" type="checkbox"/> Pacific, Southeast (FAO area 87)<br><input checked="" type="checkbox"/> Pacific, Southwest (FAO area 81)<br><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)<br><input checked="" type="checkbox"/> Food and Agriculture Organization of the United Nations (FAO)<br><input type="checkbox"/> International Maritime Organization (IMO)<br><input type="checkbox"/> International Sea bed Authority (ISA)<br><input type="checkbox"/> Secretariat of the Convention on Biological Diversity (CBD)<br><input type="checkbox"/> UN Environment (UNEP)<br><input checked="" type="checkbox"/> UN Education, Scientific, and Cultural Organization – Intergovernmental Oceanographic Commission (UNESCO-IOC) |
| <b>European Commission and its Agencies</b><br><input type="checkbox"/> European Commission (EC)<br><input type="checkbox"/> European Environment Agency (EEA)<br><input type="checkbox"/> European Fisheries Control Agency (EFCA)<br><input type="checkbox"/> Joint Research Council (JRC)<br><input type="checkbox"/> Regional Coordination Groups (RCGs)<br><input type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)  |

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

| Other organizations not listed above (if relevant) |  |
|--|--|
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|   |  |
|---|--|
|   |  |
| <b>ICES Secretariat to complete the information below</b> |  |

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

|   |
|---|
| <b>Resolution Parent (select one)</b>   |
| Symposia should generally select SCICOM |
| SCICOM                                  |

|   |   |
|---|---|
| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
| Sarah Millar                              | Ena Briesemeister                       |

## 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                        | <a href="mailto:Kai.Myrberg@syke.fi">Kai.Myrberg@syke.fi</a>       | Finland |
| Jari Haapala           | Finnish Meteorological Institute                     | <a href="mailto:jari.haapala@fmi.fi">jari.haapala@fmi.fi</a>       | Finland |
| Maren Voss             | Leibniz Institute for Baltic Sea Research Warnemünde | <a href="mailto:voss@io-warnemuende.de">voss@io-warnemuende.de</a> | Germany |
| Vibeke Huess, Denmark. | Danish Meteorological Institute                      | <a href="mailto:vibeke.huess@dmi.dk">vibeke.huess@dmi.dk</a>       | Denmark |
| Anda Ikauniece, Latvia | Latvian Institute for Aquatic Ecology                | <a href="mailto:anda.ikauniece@lhei.lv">anda.ikauniece@lhei.lv</a> | 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.

| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
|-------------------------------------|-----------------------------|
| <b>Start Date:</b> 2023-08-21       | <b>End Date:</b> 2023-08-25 |

| <b>Venue</b> (specific place such as the conference centre) | <b>Expected Number of Participants</b> |
|---|--|
| Scandic Marina Congress Center                              | c 400                                  |

| <b>City/Town</b> | <b>Country</b> |
|------------------|----------------|
| 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)**

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Priority 1:</b> Sharing evidence | <b>Priority 2:</b> Identifying needs |
|-------------------------------------|--------------------------------------|

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

|  |  |
|--|--|
| <b>Priority 1:</b> Observation and exploration | <b>Priority 2:</b> 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).

| <b>ICES Ecoregions and Adjacent Ecoregions</b>   | <b>Areas outside ICES Ecoregions and Adjacent Ecoregions</b>  |
|--|---|
| <input type="checkbox"/> Adriatic Sea<br><input type="checkbox"/> Aegean-Levantine Sea<br><input type="checkbox"/> Arctic Ocean<br><input type="checkbox"/> Atlantic, Northeast (FAO area 27)<br><input type="checkbox"/> Azores<br><input checked="" type="checkbox"/> Baltic Sea<br><input type="checkbox"/> Barents Sea | <input type="checkbox"/> Arctic Sea (FAO area 18)<br><input type="checkbox"/> Atlantic, Antarctic (FAO area 48)<br><input type="checkbox"/> Atlantic, Eastern Central (FAO area 34)<br><input type="checkbox"/> Atlantic, Northwest (FAO area 21)<br><input type="checkbox"/> Atlantic, Southeast (FAO area 47)<br><input type="checkbox"/> Atlantic, Southwest (FAO area 41)<br><input type="checkbox"/> Atlantic, Western Central (FAO area 31) |

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

|   |
|---|
| <input type="checkbox"/> Convention for the Protection of the marine Environment of the North-East Atlantic (OSPAR) |
| <b>Arctic Networks</b>  |
| <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)                           |
| <b>Scientific Intergovernmental Organisations (IGOs)</b>  |
| <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)  |
| <b>Other</b>  |
| <input type="checkbox"/> European Aquaculture Society (EAS)   |
| <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)                                       |

| <b>Other Organisations(s) not listed above (if relevant)</b> |  |
|--|--|
| Finnish Environment Institute (Syke)                         |  |
| Finnish Meteorological Institute (FMI)                       |  |
|  |  |
|  |  |
|  |  |

### ICES Secretariat to complete the information below

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

|  |
|--|
| <b>Resolution Parent (select one)</b>    |
| Symposia should generally select SCICOM. |
| SCICOM                                   |

| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
|---|---|
| Eirini Glyki                              | -                                       |

|  |
|--|
| <b>Secretariat Comments (max 500 characters)</b>   |
| Only include essential comments that can be made public and must stay with the resolution. |
| <br><br><br><br><br><br><br><br><br><br>   |

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 and 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.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
| <b>Start Date:</b> 2023-11-22       | <b>End Date:</b> 2023-11-23 |

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

|                  |                |
|------------------|----------------|
| <b>City/Town</b> | <b>Country</b> |
| Reykjavík        | Iceland        |

|  |
|--|
| <b>Comments on dates, venue, location, and participants (max 500 characters)</b>   |
| 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. |
| <br><br><br><br><br>   |

|  |
|--|
| <b>Symposium Programme (max 1500 characters)</b>   |
| 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<br>The Scientific Steering Committee has decided on tentative themes for the symposium which has been announced in connection with call for abstracts. They are:<br>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).

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

| <b>Other Organisations(s) not listed above (if relevant)</b> |                                     |
|--|-------------------------------------|
| The University of the Arctic (UArctic)                       | UiT the Arctic University of Norway |
| the Polar Institute of Wilson Center                         | the Nature Institute of Greenland   |
| GRID-Arendal, the Center for the Ocean and the Arctic        | the Government of Iceland           |
| Nordic Council of Minister                                   |                                     |
|  |                                     |

**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/SCICOM02

**Resolution Parent (select one)**

Symposia should generally select SCICOM.

SCICOM

| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
|---|---|
| Eirini Glyki                              | -                                       |

**Secretariat Comments (max 500 characters)**

Only include essential comments that can be made public and must stay with the resolution.

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.

| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
|-------------------------------------|-----------------------------|
| <b>Start Date:</b> 2025-07-08       | <b>End Date:</b> 2025-07-10 |

| <b>Venue</b> (specific place such as the conference centre)                                  | <b>Expected Number of Participants</b> |
|--|--|
| The Institute of Marine Research (a part of The Swedish University of Agricultural Sciences) | 50                                     |

| <b>City/Town</b> | <b>Country</b> |
|------------------|----------------|
| Lysekil          | Sweden         |

| <b>Comments on dates, venue, location, and participants (max 500 characters)</b>   |
|--|
| <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> |

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.

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)**

|                                     |   |
|-------------------------------------|---|
| <b>Priority 1:</b> Assuring quality | <b>Priority 2:</b> Incorporating innovation |
|-------------------------------------|---|

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

|  |   |
|--|---|
| <b>Priority 1:</b> Observation and exploration | <b>Priority 2:</b> 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   | Areas outside ICES Ecoregions and Adjacent Ecoregions   |
|---|---|
| <input type="checkbox"/> Adriatic Sea<br><input type="checkbox"/> Aegean-Levantine Sea<br><input type="checkbox"/> Arctic Ocean<br><input type="checkbox"/> Atlantic, Northeast (FAO area 27)<br><input type="checkbox"/> Azores<br><input type="checkbox"/> Baltic Sea<br><input type="checkbox"/> Barents Sea<br><input type="checkbox"/> Bay of Biscay and the Iberian Coast<br><input type="checkbox"/> Black Sea<br><input type="checkbox"/> Celtic Seas<br><input type="checkbox"/> Faroes<br><input type="checkbox"/> Greater North Sea<br><input type="checkbox"/> Greenland Sea<br><input type="checkbox"/> Icelandic Waters<br><input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea<br><input type="checkbox"/> Norwegian Sea<br><input type="checkbox"/> Oceanic Northeast Atlantic<br><input type="checkbox"/> Western Mediterranean Sea | <input type="checkbox"/> Arctic Sea (FAO area 18)<br><input type="checkbox"/> Atlantic, Antarctic (FAO area 48)<br><input type="checkbox"/> Atlantic, Eastern Central (FAO area 34)<br><input type="checkbox"/> Atlantic, Northwest (FAO area 21)<br><input type="checkbox"/> Atlantic, Southeast (FAO area 47)<br><input type="checkbox"/> Atlantic, Southwest (FAO area 41)<br><input type="checkbox"/> Atlantic, Western Central (FAO area 31)<br><input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)<br><input type="checkbox"/> Indian Ocean, Eastern (FAO area 57)<br><input type="checkbox"/> Indian Ocean, Western (FAO area 51)<br><input type="checkbox"/> Mediterranean and Black Sea (FAO area 37)<br><input type="checkbox"/> Pacific, Antarctic (FAO area 88)<br><input type="checkbox"/> Pacific, Eastern Central (FAO area 77)<br><input type="checkbox"/> Pacific, Northeast (FAO area 67)<br><input type="checkbox"/> Pacific, Northwest (FAO area 61)<br><input type="checkbox"/> Pacific, Southeast (FAO area 87)<br><input type="checkbox"/> Pacific, Southwest (FAO area 81)<br><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)

|   |
|---|
| <input type="checkbox"/> Northwest Atlantic Fisheries Organization (NAFO)   |
| <b>Regional Sea Conventions</b>   |
| <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) |
| <b>Arctic Networks</b>  |
| <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)                           |
| <b>Scientific Intergovernmental Organisations (IGOs)</b>  |
| <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)                               |
| <b>Other</b>  |
| <input type="checkbox"/> European Aquaculture Society (EAS)   |
| <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)                                       |

| <b>Other Organisations(s) not listed above (if relevant)</b> |  |
|--|--|
| 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>**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.

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.

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).

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



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.

| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
|-------------------------------------|-----------------------------|
| <b>Start Date:</b> 2024-08-26       | <b>End Date:</b> 2024-08-30 |

| <b>Venue</b> (specific place such as the conference centre) | <b>Expected Number of Participants</b> |
|---|--|
| Bella Centre  | 3500                                   |

| <b>City/Town</b> | <b>Country</b> |
|------------------|----------------|
| 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.

|  |
|--|
| <p><b>One-Sentence Summary (max 280 characters)</b></p> <p>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.</p> <p>Aqua24 will highlight the latest aquaculture research and innovation to underpin the continued growth of the sector and the science to inform decision-making.</p> |
|--|

|  |                                    |
|--|------------------------------------|
| <b>ICES Advisory Plan Priorities (select up to two if relevant to this resolution)</b> |                                    |
| <b>Priority 1:</b> Sharing evidence  | <b>Priority 2:</b> Evolving advice |

|   |                                    |
|---|------------------------------------|
| <b>ICES Science Plan Priorities (select up to two if relevant to this resolution)</b> |                                    |
| <b>Priority 1:</b> Seafood production   | <b>Priority 2:</b> Sea and society |

|   |
|---|
| <p><b>Additional Comments (if required, max 500 characters)</b></p> <p>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).</p> <p>None.</p> |
|---|

**Geographic Focus (select one or more)**

|  |
|--|
| <p><input checked="" type="checkbox"/> <b>Non-geospecific</b></p> <p>Select non-geospecific when the resolution is not closely focused on a specific geographic region (e.g., symposium focused on techniques or processes).</p> |
|--|

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

|  |
|--|
| <p><b>Other</b></p> <p><input checked="" type="checkbox"/> European Aquaculture Society (EAS)</p> <p><input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)</p> |
|--|

| <b>Other Organisations(s) not listed above (if relevant)</b>    |  |
|---|--|
| World Aquaculture Society (WAS)                                 |  |
| European Aquaculture Technology and Innovation Platform (EATIP) |  |
|   |  |
|   |  |

**ICES Secretariat to complete the information below**

|   |
|---|
| <p><b>Unique Identifier</b></p> <p>Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database.</p> |
| 2023/SYM/SCICOM04   |

|  |
|--|
| <p><b>Resolution Parent (select one)</b></p> <p>Symposia should generally select SCICOM.</p> |
| SCICOM   |

| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
|---|---|
| Anne Cooper                               | -                                       |

|   |
|---|
| <p><b>Secretariat Comments (max 500 characters)</b></p> <p>Only include essential comments that can be made public and must stay with the resolution.</p> |
|   |

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)  |                             |
|-------------------------------|-----------------------------|
| <b>Start Date:</b> 2024-02-19 | <b>End Date:</b> 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)   |
|---|
| <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><b>22 December 2022</b></p> <p>Save the date</p> <p><b>24 May 2023</b></p> <p>Opening of registration</p> <p>Call for abstract proposals</p> <p>Call for side events and workshops</p> |

**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**

|   |
|---|
| <b>Resolution Status (select one)</b>   |
| <input checked="" type="checkbox"/> <b>New resolution</b><br><p>This resolution has not been previously approved by the Advisory Committee (ACOM), Science Committee (SCICOM), and/or ICES Council</p>  |
| <input type="checkbox"/> <b>Amendment to an approved resolution</b><br><p>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.</p> |

|   |
|---|
| <b>One-Sentence Summary (character limit: 280)</b>  |
| 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. |

|  |                                    |
|--|------------------------------------|
| <b>ICES Advisory Plan Priorities (select up to two if relevant to this resolution)</b> |                                    |
| <b>Priority 1:</b> Sharing evidence  | <b>Priority 2:</b> Evolving advice |

|   |  |
|---|--|
| <b>ICES Science Plan Priorities (select up to two if relevant to this resolution)</b> |  |
| <b>Priority 1:</b> Seafood production   | <b>Priority 2:</b> Impacts of human activities |

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|---|
| <b>Additional Comments (character limit: 500) (optional)</b>  |
| 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) |
| <br><br><br><br><br><br><br><br><br><br>  |

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

**Other**

- European Aquaculture Society (EAS)
- Integrated Marine Biosphere Research project (IMBeR)

**Other organizations not listed above (if relevant)**

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**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

| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
|---|---|
| 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.

| <b>Symposium Dates (yyyy-mm-dd)</b>              |  |
|--|--|
| <b>Start Date:</b> Click or tap to enter a date. | <b>End Date:</b> Click or tap to enter a date. |

| <b>Venue</b> (specific place such as the conference centre) | <b>Expected Number of Participants</b> |
|---|--|
| FRAM centre   | 100                                    |

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

|   |
|---|
| <input type="checkbox"/> Statistical Office of the European Communities (EUROSTAT)                                  |
| <b>Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)</b>                                   |
| <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)   |
| <b>Regional Sea Conventions</b>   |
| <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) |
| <b>Arctic Networks</b>  |
| <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)                |
| <b>Scientific Intergovernmental Organisations (IGOs)</b>  |
| <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)                               |
| <b>Other</b>  |
| <input type="checkbox"/> European Aquaculture Society (EAS)   |
| <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)                                       |

| Other Organisations(s) not listed above (if relevant) |  |
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**ICES Secretariat to complete the information below**

|  |
|--|
| <b>Unique Identifier</b>   |
| Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database. |
| 2022/SYM/SCICOM05  |

|  |
|--|
| <b>Resolution Parent (select one)</b>    |
| 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.

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
| <b>Start Date:</b> 2024-03-17       | <b>End Date:</b> 2024-03-21 |

|   |  |
|---|--|
| <b>Venue</b> (specific place such as the conference centre) | <b>Expected Number of Participants</b> |
| Hotel Grand Chancellor                                      | 350                                    |

|                  |                |
|------------------|----------------|
| <b>City/Town</b> | <b>Country</b> |
| 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).

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

| Other Organisations(s) not listed above (if relevant) |  |
|---|--|
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### 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/SCICOM04

#### 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.

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.



| 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. |                             |
| <b>Start Date:</b> 2023-01-01  | <b>End Date:</b> 2024-12-31 |

| Symposium Title (max 280 characters) |
|--------------------------------------|
|                                      |

Oceans Past 2024: Historical perspectives on human-ocean interactions: deep understandings for informing ocean futures.

| <b>Symposium Conveners (max 5)</b> |   |                         |                |
|------------------------------------|---|-------------------------|----------------|
| <b>Full Name</b>                   | <b>Institute</b>  | <b>Email</b>            | <b>Country</b> |
| 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        |

| <b>Symposium Website URL (if known)</b>                    |
|--|
| <a href="http://www.oceanspast.org">www.oceanspast.org</a> |

| <b>Scientific Justification (max 1500 characters)</b>  |
|--|
| <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><b>Aims:</b> 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><b>Objectives:</b> 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><b>Outcomes:</b> 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><b>Relevance:</b> 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> |

| <b>Symposium Dates (yyyy-mm-dd)</b> |                             |
|-------------------------------------|-----------------------------|
| <b>Start Date:</b> 2024-06-10       | <b>End Date:</b> 2024-06-14 |

| <b>Venue</b> (specific place such as the conference centre) | <b>Expected Number of Participants</b> |
|---|--|
|   |  |

|  |    |
|--|----|
| 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.

- 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

Training and ECR activities:

- 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)

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.

**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)**



|  |                                    |
|--|------------------------------------|
| <b>Priority 1:</b> Impacts of human activities | <b>Priority 2:</b> 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<br><input type="checkbox"/> Aegean-Levantine Sea<br><input type="checkbox"/> Arctic Ocean<br><input type="checkbox"/> Atlantic, Northeast (FAO area 27)<br><input type="checkbox"/> Azores<br><input type="checkbox"/> Baltic Sea<br><input type="checkbox"/> Barents Sea<br><input type="checkbox"/> Bay of Biscay and the Iberian Coast<br><input type="checkbox"/> Black Sea<br><input type="checkbox"/> Celtic Seas<br><input type="checkbox"/> Faroes<br><input type="checkbox"/> Greater North Sea<br><input type="checkbox"/> Greenland Sea<br><input type="checkbox"/> Icelandic Waters<br><input type="checkbox"/> Ionian Sea and the Central Mediterranean Sea<br><input type="checkbox"/> Norwegian Sea<br><input type="checkbox"/> Oceanic Northeast Atlantic<br><input type="checkbox"/> Western Mediterranean Sea | <input type="checkbox"/> Arctic Sea (FAO area 18)<br><input type="checkbox"/> Atlantic, Antarctic (FAO area 48)<br><input type="checkbox"/> Atlantic, Eastern Central (FAO area 34)<br><input type="checkbox"/> Atlantic, Northwest (FAO area 21)<br><input type="checkbox"/> Atlantic, Southeast (FAO area 47)<br><input type="checkbox"/> Atlantic, Southwest (FAO area 41)<br><input type="checkbox"/> Atlantic, Western Central (FAO area 31)<br><input type="checkbox"/> Indian Ocean, Antarctic and Southern (FAO area 58)<br><input type="checkbox"/> Indian Ocean, Eastern (FAO area 57)<br><input type="checkbox"/> Indian Ocean, Western (FAO area 51)<br><input type="checkbox"/> Mediterranean and Black Sea (FAO area 37)<br><input type="checkbox"/> Pacific, Antarctic (FAO area 88)<br><input type="checkbox"/> Pacific, Eastern Central (FAO area 77)<br><input type="checkbox"/> Pacific, Northeast (FAO area 67)<br><input type="checkbox"/> Pacific, Northwest (FAO area 61)<br><input type="checkbox"/> Pacific, Southeast (FAO area 87)<br><input type="checkbox"/> Pacific, Southwest (FAO area 81)<br><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**

|  |  |
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| <b>United Nations Organisations and Programmes</b>   |  |
| <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) |  |
| <b>European Commission and its Agencies</b>  |  |
| <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)   |  |
| <b>Regional Fisheries Organisations and Management Organisations (RFOs/RFMOs)</b>  |  |
| <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)  |  |
| <b>Regional Sea Conventions</b>  |  |
| <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)                    |  |
| <b>Arctic Networks</b>   |  |
| <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)  |  |
| <b>Scientific Intergovernmental Organisations (IGOs)</b>   |  |
| <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)   |  |
| <b>Other</b>   |  |
| <input type="checkbox"/> European Aquaculture Society (EAS)  |  |
| <input type="checkbox"/> Integrated Marine Biosphere Research project (IMBeR)  |  |
| <b>Other Organisations(s) not listed above (if relevant)</b>   |  |
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**ICES Secretariat to complete the information below**

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| <b>Unique Identifier</b>   |
| Include the auto-generated identifier when the <u>approved</u> resolution is added to the resolution database. |
| 2022/SYM/SCICOM03  |

|  |
|--|
| <b>Resolution Parent (select one)</b>    |
| Symposia should generally select SCICOM. |
| SCICOM                                   |

|   |   |
|---|---|
| <b>Professional Officer (if relevant)</b> | <b>Supporting Officer (if relevant)</b> |
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| <b>Secretariat Comments (max 500 characters)</b>   |
| Only include essential comments that can be made public and must stay with the resolution. |
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## Resolutions approved 2016

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### Marine Socio-Ecological Systems - MSEAS 2020: Navigating global change in the marine environment with socio-ecological knowledge (Dates to be confirmed - 2024)

*DUE TO COVID-19 VIRUS OUTBREAK, THE SYMPOSIUM HAS BEEN POSTPONED; PLEASE VISIT THE [ICES SYMPOSIUM 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

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**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

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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.

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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.

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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.

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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.

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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.

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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)

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Linkages to other organizations: Linkages to other organisations will be pursued, including PICES, IMBER, IIFET, Belmont Forum, Future Earth and others

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Publication proceedings After communication with the local organizer, the journal 'Fisheries Science' has been approached for the proceedings

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