



PICES Science Board (SB) Meeting 2023 (October 27 – 28)

Information Preparation Form for Expert Groups (EG)

For submission to the Parent Committee **by September 22nd** to ensure complete information for SB and the Governing Council (GC) decisions.

To be completed by Chairs of Expert Groups (EG's): For Study Groups and Working Groups whose term will end at PICES-2023, please submit the completed form to your **Parent Committees Chair(s)** ([see here](#)), and cc: Sanae.Chiba@pices.int **by September 22nd**.

EG Identification

EG name	WG 43: Joint PICES/ICES Working Group on Small Pelagic Fish
Chair name(s)	Ryan Rykaczewski (USA) and Akinori Takasuka (Japan)
Date of group meetings after ISB-2023 (May)	WG43 Business Meeting Online on September 13 (Wednesday) / 14 (Thursday)

The following information will be reviewed/approved by Parent Committee Chairs to present at the PICES Science Board 2023 (October 27 - 28)

1. Achievement

Please **very concisely** describe how each TOR item has been achieved by SG or WG activities. Add rows if needed.

List of TOR Items	How did you achieve the TOR items?
1. Review recent progress on understanding how various drivers (environmental and/or anthropogenic) impact the population dynamics of SPF in different ecosystems and whether and how potential drivers shift with changes in ecosystem state.	WG co-chairs (in collaboration with members, including those of the ICES sibling committee) published a review article on research developments: Peck, MA, J Alheit, A Bertrand, IA Catalán, S Garrido, M Moyano, RR Rykaczewski, A Takasuka, and CD van der Lingen. 2021. Small pelagic fish in the new millennium: a bottom-up view of global research effort. Progress in Oceanography 191:102494, doi:10.1016/j.pocean.2020.102494.
2. Create a networking environment for international and multidisciplinary collaboration to foster the establishment of similar study frameworks and comparative analyses of SPF across different social-ecological systems based on updated time-series data sets of climate indices, environmental factors and tipping points, fisheries biology and ecophysiological information (feeding, growth and survival), and inter-model comparisons.	A networking environment was created based on the kick-off meeting of the joint PICES-ICES working group. Discussions have continued at the activity-group level. “Task Force 1 - Ecological Process Knowledge (EPK)” and “Task Force 2 - Translating Process Knowledge (TPK)” including the following activity groups. Task Force 1 Activity 1: Critical review, evaluation and testing of hypotheses Activity 2: Life cycle closures - bottlenecks and gaps in knowledge Activity 3: Drivers of spatial distribution and phenology Activity 4: Food-web dynamics Activity 5: Internal and external drivers of growth, reproduction, and survival Activity 6: Survey design and monitoring Activity 7: Improving short-term forecasts and/or long-term projections Activity 8: Improvements to management



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<p>3. Identify, prioritize, and coordinate research most needed to advance our knowledge and capacity to predict the population dynamics of SPF at both short (seasonal to inter-annual) and long (decadal to centennial) time scales.</p>	<p>The achievements of the activity groups were summarized during the post-symposium meeting in fall 2022 (see below) to identify, prioritize, and coordinate research topics which potentially contribute to predicting future trends of population dynamics of SPF.</p>
<p>4. Provide recommendations for strategies of marine ecosystem monitoring and fisheries management of SPF which will contribute to sustainable ecosystem-based fisheries management, through biophysical, ecosystem and/or socio-economic models.</p>	<p>Recommendations for ecosystem monitoring, priorities for coordinated international research, and strategies for sustainable management will be included in the introductory editorials of the two special issues that are in preparation.</p>
<p>5. Organize a joint ICES/PICES symposium on SPF, tentatively scheduled for late 2021, that builds upon the 2017 symposium in Victoria, Canada, and showcases integrative analyses of this working group. Additionally, working group members will propose, coordinate, and convene topic sessions at PICES Annual Meetings and ICES Annual Science Conferences focused on key questions and recent advances in SPF science.</p>	<p>Symposium on “Small Pelagic Fish: New Frontiers in Science and Sustainable Management” was held at Calouste Gulbenkian Foundation in Lisbon, Portugal, during November 7–11, 2022 (rescheduled from 2021 to 2022). The post-symposium meeting was held in Lisbon during November 12–13, 2022. In addition, the group members convened several sessions and workshops at the Annual Meetings. The events were conducted by the joint ICES/PICES Working Group in cooperation with FAO.</p>

2. New Publication(after ISB-2023 in May)

2. 1. Please list the citation(s) of publications for each category and **submit the required manuscripts/reprints** with this form. Note that requirement and reporting processes vary depending on the publication categories.

<p>A. PICES Publication (report BEFORE published) <i>PICES Science/Technical Report (example), Journal Special Issue (example)</i></p>	
<p>Required process</p>	<p>Recommended by SB => Approved by Governing Council => Posted on PICES website when published</p>
<p>What to submit</p>	<p>A copy of “manuscript” to reporting Parent Committee and Secretariat</p>
<p>(citation) Special Issues of Marine Ecology Progress Series (MEPS) and Canadian Journal of Fisheries and Aquatic Sciences (CJFAS) are now being prepared based on the papers submitted from the symposium (November 2023, Lisbon, Portugal).</p>	<p>(note)</p>
<p>B. Products of collaboration with other organizations (report AFTER published) <i>Booklet/Report published by collaboration with other organizations, e.g. IOC, SCOR (example)</i></p>	
<p>Required process</p>	<p>Acknowledged by SB then Governing Council => Posted on PICES website</p>
<p>What to submit</p>	<p>A copy of the “product” to reporting Parent Committee and Secretariat</p>
<p>(citation) None</p>	<p>(note)</p>
<p>C. Peer-reviewed Journal Paper (report AFTER published)</p>	
<p>Required process</p>	<p>Acknowledged by SB then Governing Council => Posted on PICES website</p>
<p>What to submit</p>	<p>A copy of the “PDF” reprint or “DOI” to reporting Parent Committee and Secretariat</p>



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(citation) None	(note)
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2.2. Final Report Plan

WGs and SGs are subject to submit the draft final report to its Parent Committee(s) and Secretariat to review within one year after the term end. Please briefly describe the plan and progress of your Final Report.

Format of Final Report	Progress	Expected timing of draft submission
WG: PICES S&T Report , Peer Journal Review Paper or other format. SG: Recommendation, MOU etc. Special Issues of Marine Ecology Progress Series (MEPS) and Canadian Journal of Fisheries and Aquatic Sciences (CJFAS) are now being prepared based on the papers submitted from the symposium (November 2023, Lisbon, Portugal).	MEPS 5 papers accepted 14 papers under review CJFAS 6 papers accepted 6 papers under review	These two special issues are expected to be published in 2024.

3. Requests for SB Recommendation

3.1. Proposal for new Expert Groups (Study Group, Working Group, Advisory Panel, Section)

Please **submit a complete EG proposal**, including proposed TORs, and proposed membership.

Name of EG	Chair(s) & e-mail	Proposed Parent Committee	Note
Not at this time			We are discussing a proposal for new Expert Group in 2024. Existing members of the working group are also involved in discussions of the next international symposium on small pelagic fish that is tentatively scheduled for 2026 in La Paz, Mexico.

3.2 Extension of Term

Does your EG change/revise any of these?			
Extension of Term	No	(If yes) How long do you need to extend? • <u>WG & SG</u> : 6 months, 1 year or other duration(specify)?	(note)

If your EG requests an extension of the term, please specify above and fill out (if applicable) all the following items from 3.3 to 5. If NO, jump to 5.

3.3. Change of members (new member request, stepdown of current member)



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Please list suggested additional members to aid GC in appointing additional members to meet your requirements and current members who plan to step down. Note: your requests at ISB-2023 were submitted to GC and waiting for official approval by the respective National Delegates. **The appointment process will be quicker if you identify the candidate(s).**

Country	Name and organization	e-mail	Basis of the need (generation/gender balance, additional members from a specific country, etc.)
	(Pls identify for a swift appointment)		

3.4. Proposal for co-sponsored Capacity Building events

Please list the proposed event(s), e.g. summer school, training sessions, workshop etc., and **submit the detailed proposal** with this form, which includes a detailed description of the event(s) and breakdown/rationale of the funding requests.

Event title/type	Date	Location	Amount and rational of fund requested
			(CA\$)



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3.5. Proposal for Travel Support *please read the criteria before requesting

Limited fund for partial travel support is available **ONLY** for:

- EG members (Chairs and ECOPs are prioritized) who convene or are invited to the sessions/workshops relevant to EG activities at an international conference other than the PICES Annual meeting.

Meeting Title	Date/Location	Recipient name & contact	Amount and rational of fund requested (CA\$)

3.6. Request of Open Access Fee of Peer-reviewed Journal Paper

***Please request only after submission to the journal.**

The limited fund is available for the papers which are most relevant to EG achievement, e.g. synthesis of the group’s study. **PICES and EG names must be acknowledged.** Please submit a copy of the “manuscript” with this form. The GC approval will be void if the manuscript is not accepted.

Citation	Open access fee: CA\$)

3.7. Change of Chairs and Revision of Term, TOR, Action Plan etc.

Please fill out the table and submit the **revised TOR and/or Action or Implementation Plan** with this form when applicable.

Does your EG change/revise any of these?			
Chair	No	(if yes) Name of chair who steps down: Name, country, contact of new chair:	(note)
TOR	No	(if yes) Please submit the revised TOR and clarify the points of changes.	(note)
Action or Implementation Plan	No	(if yes) Please submit the revised Plan and clarify the points of changes.	(note)

3.8 Any other Request and/or Proposal for SB Recommendation



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4. ECOP Survey

Please list the names of **ECOP members of your EGs**. This is to respond to AP-ECOP requests (at SB-2022) to update demographic information on ECOP representatives in PICES Expert Groups.

ECOP Definition: "An **ECOP** is someone who self-identifies as an early career professional in the beginning of their career, with ten years or less of professional experience."
(GC2022/S/11)

5. List of Participants at the Pre-PICES-2023 Online Business Meeting

EG Members (name only)		
Jennifer L. Boldt, Francis Juanes, Chris Rooper (Canada), Motomitsu Takahashi, Akinori Takasuka (Japan), Fei Chai (China), Sukyung Kang, Jung Jin Kim (Korea), Matthew Baker, Noelle M. Bowlin, Richard David Brodeur, Ryan R. Rykaczewski (USA)		
Observers = non-EG members		
Name	Affiliation	Contact email address
Dongwha Sohn Heejoong Kang	National Institute of Fisheries Science	Colleagues of Sukyung Kang (sukyungkang@korea.kr)

- end of the form -



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Reporting Committee List – SB2023

See each link for the information on Expert Group and the contact information of EG and Committee chairs.

Shaded = Expert Groups to complete their term at PICES-2023.

Reporting Committee	Will Report on These EGs at SB-2023	Other Parent Committee(s)
FUTURE	AP-ECOP: Early Career Ocean Professionals	SB
	WG49: Climate Extremes and Coastal Impacts in the Pacific	
	*Final Report Progress only: WG41	HD
BIO	S-MBM: Marine Birds and Mammals	
	WG47: Ecology of Seamounts	
	WG48: Towards best practices using Imaging Systems for Monitoring Plankton (WGISMP)	
FIS	S-CCME: Climate Change Effects on Marine Ecosystems	BIO, POC
	WG45: PICES/ICES - Impacts of Warming on Growth Rates and Fisheries Yields (GRAFY)	
	WG43: PICES/ICES - Small Pelagic Fish	HD
HD	WG44: PICES/ICES - Integrated Ecosystem Assessment for the Northern Bering Sea - Chukchi Sea	FIS
	WG51: Exploring Human Networks to Power Sustainability	
	*Final Report Progress only: WG41	FUTURE
MEQ	S-HAB: Ecology of Harmful Algal Blooms in the North Pacific	
	AP-NIS: Marine Non-indigenous Species	
	WG42: Indicators of Marine Plastic Pollution	
POC	S-CC: Carbon and Climate	BIO
	WG46: Ocean Negative Carbon Emissions (ONCE)	BIO
	WG50: Sub-mesoscale Processes and Marine Ecosystems	
MONITOR	AP-CREAMS: CREAMS/PICES Program in East Asian Marginal Seas	POC
	AP-NPCOOS: North Pacific Coastal Ocean Observing Systems	TCODE
TCODE	SG-DATA: encouraging Data Awareness and increased Transmission and Accessibility	
SB	SG-GREEN: Generating Recommendations to Encourage Environmentally-Responsible Networking	FUTURE
	AP-SciCom: Science Communications	FUTURE
	SG-ARC: the Arctic Ocean and the Pacific Gateways	FIS, MONITOR