

## Workshop 1: Climate-Ready Fisheries Management: Reviewing Effective Strategies for Developing Decision Support Tools

November 8<sup>th</sup>, 9:00 am – 5:20 pm, Oshidori Room

### Abstract

Building networks to share knowledge and capacity is essential to understand, forecast, manage, and adapt to climate-driven changes in marine ecosystems and their associated fisheries. The UN Decade of Ocean Science for Sustainable Development (Ocean Decade; 2021-2030) provides a unique opportunity to convene global partners to address challenges associated with climate change, marine ecosystem health, and food security. The Ocean Decade Programme ‘Sustainability of Marine Ecosystems Through Global Knowledge Networks’ (SmartNet), jointly sponsored by PICES and ICES, works with S-CCME and other Programmes to advance the ‘climate-fisheries’ nexus within the Ocean Decade. In this workshop, we will explore decision support tools needed to implement effective fisheries management and adaptation strategies in a changing climate. We invite a broad array of participants, across international and management organizations, to: (1) explore the various mechanisms used to integrate environmental information into ecosystem-based fisheries management; and (2) review the existing tools/systems, gaps and pathways forward for climate-ready fisheries management (including data streams, models, information infrastructure, communication avenues, co-development practices, governance frameworks). This workshop will build upon the PICES-2024 workshop on the ‘science-policy interface’ and the ICES-2025 theme session on ‘climate-ready fisheries’. An outcome of this Workshop will be a white paper outlining effective strategies for supporting international climate-ready fisheries management.

Potential Outcome: A ‘Food-for-Thought’ paper outlining case studies and recommending ‘effective practices’ to support international climate-ready fisheries management.

0900-0910	<b>Introductions</b> (Convenors; Workshop structure and objectives)
0910-0930	<b>ICES-2025 ASC Session Review:</b> Summary and synthesis of ICES ASC Theme Session C: ‘Climate-ready fisheries management in the UN Ocean Decade’
0930-0955	<b>Invited Speaker Beth Fulton (virtual or recorded):</b> ‘Tools, frameworks, sharing information = How Australian fisheries are tackling climate change’
0955-1015	<b>Karen Hunter:</b> ‘Development and application of a resilience framework to assess climate consideration in Canadian fisheries management’
1015-1035	<b>Lindsey Kraatz and Maureen Trnka:</b> ‘Revitalizing U.S. fisheries science and management for shifting ecosystems: A focus on regional adaptation and scenario planning’
1035-1055	COFFEE
1055-1115	<b>Marria Peduto:</b> ‘Examining the role of advocacy coalitions in Bering Sea fisheries management’
1115-1135	<b>Heather Welch:</b> ‘Fishermen as ecosystem sentinels’
1135-1200	<b>Panel Discussion:</b> Targeted discussion with speakers and workshop participants
1200-1230	<b>Discussion</b> of Breakout Group Themes and Goals, <u>for example:</u> A. Identification of gaps and barriers to implement climate-ready fisheries management B. Opportunities and challenges for climate-informed management

1230-1400	LUNCH ON YOUR OWN
1400-1500	<b>Breakout Groups</b> on 2-3 Themes (TBD) --- conversation café approach
1500-1530	Reconvene in <b>W1 Plenary</b> for Breakout Group Reports & Discussion
1530-1550	COFFEE
1550-1700	<b>Discussion</b> of Workshop highlights and outline for white paper on ‘Effective strategies for supporting international climate-ready fisheries management’
1700-1720	<b>Planning Next Steps &amp; Network Development</b>
1720	WORKSHOP ENDS

### **Panel Discussion Topics: TBD**

### **Breakout Group Themes:**

- Identification of gaps and barriers to implement climate-ready fisheries management
- Opportunities and challenges for climate-informed management
- Others?

### **Pre- or Post-Meeting Questionnaire:**

- What decision support tools are being used in climate-ready fisheries management and how can they be accessed?
- What is the role of National Agencies, RFMOs, Inter-Governmental Organizations, UN Ocean Decade in coordinating international fisheries management?