

Topics at the nexus of climate change, fisheries, and blue foods

A webinar series highlighting the impact of climate change on fisheries, aquaculture, and the communities who depend on them

January 2026: Increasing resilience and food security through inclusive fisheries governance in Greenland and Canada

Presentation 1: Achieving Arctic Indigenous Self-Sufficiency

The Arctic is experiencing climate change effects at a rate four times faster than the global average, which threaten the resilience and livelihoods of existing Arctic and Indigenous communities. We present on the outcomes of a co-produced research collaboration between the Climate Change Institute at the University of Maine and Innovation South Greenland, which explores the climate change impacts and the barriers to self-sufficiency in hunting and fishing communities in South Greenland. We define self-sufficiency to be “the ability to sustain oneself and livelihood, including but not limited to: the ability to earn income, the ability to access food, and the ability to practice culture.” Results highlight western and Danish imposed governance as the greatest barrier to self-sufficiency and climate adaptation in South Greenland. Food and economic accessibility and education were identified as important levers for increasing resilience. This research highlights the necessity of local and Indigenous co-management of Arctic resources for increasing self-sufficiency, adaptive capacity, and climate resilience in Arctic coastal communities. This research also highlights various steps toward co-production of indigenous knowledge across multiple cultural and international barriers. We hope to expand this work to build tangible frameworks for decolonizing current management structures and incorporating indigenous knowledge into co-management of Arctic socio-economic systems.

Webinar Presenter: **Jay Kim** is a PhD candidate at the University of Maine and research associate in the Coastal and Marine Economics lab at the Gulf of Maine Research Institute. Their research explores knowledge production of fisheries resilience under climate change. They utilize inter- and multi-disciplinary approaches to understand climate change impacts on socio-economic coastal systems through quantitative and qualitative methods. Their work focuses primarily on the American lobster fishery in the Gulf of Maine and South Greenland Indigenous fishing and hunting communities.

Presentation 2: Toward Fish Harmony: Governance Innovation for Regenerative Fisheries

Fish Harmony is set of proposed ideas and emerging partnership exploring how governance innovation might enable regenerative fisheries that sustain ecosystems, livelihoods, and blue food systems in a rapidly changing climate. This presentation engages the nexus of climate change, fisheries, and blue foods by framing harmony as the challenge of bringing governance into closer alignment with social–ecological realities. In Canada and elsewhere, climate change is revealing growing mismatches between how fisheries systems function in practice—across ecosystems, communities, markets, and cultures—and how they are governed through fragmented, static, and sector-bound institutions. Fish Harmony proposes regenerative fisheries as a system-level outcome that depends on whether governance arrangements reflect lived conditions, plural values, and real decision-making dynamics. Drawing on proposed regional case sites across Atlantic and Pacific Canada, the presentation outlines key governance gaps and introduces an evolving partnership-based approach focused on justice, community-centred institutions, knowledge pluralism, and economic alternatives, offering pathways for governing fisheries in closer harmony with climate-shaped blue food realities.

Webinar Presenter: [Evan J. Andrews](#) is a marine social scientist and governance researcher affiliated with Memorial University of Newfoundland. His work focuses on fisheries and ocean governance, with particular emphasis on regenerative and community-centred approaches in small-scale fisheries and coastal regions. He plays leadership roles in collaborative initiatives including Rethinking Transformation, Moving Together for Marine Conservation (M2C), and Too Big To Ignore (TBTI) Canada. Drawing on interactive governance and transdisciplinary research, his work examines how institutions, policy processes, and innovation spaces can better support equity, dignity, and community-embedded action in fisheries and ocean governance amid climate change, competing avenues for sustainable development, and marine conservation.



This webinar series is jointly hosted by the UN Ocean Decade Programs [Blue Food Futures](#), [Fisheries Strategies for Changing Oceans and Resilient Ecosystems \(FishSCORE\)](#), [Sustainability, Predictability, and Resilience of Marine Ecosystems \(SUPREME\)](#), [Sustainability of Marine Ecosystems through Global Knowledge Networks \(SmartNet\)](#), and [Fisheries and Marine Ecosystem Model Intercomparison Project \(FishMIP\)](#) and endorsed project [Basin Scale Events to Coastal Impacts \(BECI\)](#). This webinar series highlights current efforts and challenges at the climate-fisheries nexus. Presentations and discussions will range from data-driven efforts to better understand oceanographic and biological changes affecting fisheries, to how the results can be used to inform fisheries management, aquaculture, and sustainable food decisions, to the many ways people and broader communities are being impacted by and adapting to changes in marine ecosystems and marine resource use.