

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



October 2026:

FISHGLOB: a collaborative infrastructure catalyzing research and management by bridging the gap between scientific monitoring and marine biodiversity conservation

Webinar Date/Time: October 22, 2026 11:00 US EDT (UTC-4)

[Register here](#)

Abstract

Large-scale biodiversity assessments and conservation applications require integrated and up-to-date datasets across regions. In the oceans, monitoring techniques such as scientific bottom-trawl surveys (SBTS) are fragmented, which affects knowledge exchange and usage. To address this, we created FISHGLOB, an infrastructure gathering SBTS and experts. In this presentation, we share the project history, achievements, challenges, and outlooks. We reflect on the infrastructure-building social and technical processes which will guide the development of similar infrastructures. We also review the already-extensive applications of the database to scientific and management questions, with the objective of inspiring colleagues to further engage with FISHGLOB.

Webinar Presenters:

Alexa Fredston, Interim FISHGLOB co-chair, University of California, Santa Cruz.

Alexa Fredston is a quantitative marine ecologist who uses a range of statistical and theoretical methods and all the ocean data she can find to advance foundational ecology, biodiversity conservation, and human well-being. She is an Assistant Professor in the Department of Ocean Sciences at the University of California, Santa Cruz. Dr. Fredston earned her PhD from the Bren School of Environmental Science and Management at the University of California, Santa Barbara, and graduated summa cum laude from Princeton University with a B.A. in Ecology and Evolutionary Biology. You can learn more about her research and its applications at www.alexafredston.com.

Juliano Palacios-Abrantes, FISHGLOB co-chair, independent researcher.

Is a marine scientist motivated to answer complex, real-life questions threatening the ocean and its social-ecological systems. He is particularly interested in how climate change is affecting the oceans and the management and conservation of marine resources. Juliano is committed to support policy-making and resource management decisions in Latin American countries, where he works with NGOs, governments and communities to foster ocean stewardship. Juliano earned his PhD from the Institute for the Oceans and Fisheries of The University of British Columbia in 2021. You can learn more about his research and its applications at www.julianopalacios.com.

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.