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

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

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),](#) and [Sustainability of Marine Ecosystems through Global Knowledge Networks (SmartNet)](#).

This webinar series highlights current efforts and challenges along the spectrum of the climate-fisheries nexus. Presentations and discussions will range from data-driven efforts being undertaken around the world 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 the way these changes impact marine ecosystems and marine resource use.

March 2024 Webinar: Monitoring for Management

Presentations

1. [Global Fishing Watch Marine Manager](#)

Global Fishing Watch Marine Manager is a freely available, innovative technology portal, founded by Dona Bertarelli. It provides near real-time, dynamic, and interactive data on ocean conditions, biology, and human-use activity to support marine spatial planning, marine protected area design and management, and scientific research. By monitoring the quality, efficiency and impact of long-term protections, Marine Manager aims to ensure robust and science-based management of protected areas and acknowledge the vital contributions they make to our ocean.

To learn more visit https://globalfishingwatch.org/marine-manager-portal/

Webinar Presenter: **Anna Sanders** leads the development and management of Global Fishing Watch's innovative products, including Global Fishing Watch Marine Manager. Her team works closely with ocean stakeholders to understand their needs and co-create data-driven management tools to support the sustainable use of our oceans. Anna has led small and large global teams pioneering technology-based solutions to address ocean conservation and maritime security. As a distinguished U.S. Coast Guard officer, Anna provided daily intelligence briefings to the commandant, led strategic efforts in Arctic policy and geospatial intelligence, directed more than 20 international fisheries intelligence operations throughout the Pacific Ocean, and brought global attention to illegal fishing practices through capacity building and advocacy.

2. [Protection and Sustainable Use of Marine Areas (SustainMare)](#)

SustainMare analyses and classifies the use of and the pressures on marine spaces in such a way, that a scientifically sound basis is created for decisions by politics, authorities and the economy.

A broad-based transdisciplinary research approach is chosen. More than 250 researchers in two pilot projects and five research networks are investigating the ecological, economic and social impacts of human use and pollution in North and Baltic Sea with a specific focus on the German Exclusive Economic Zone and German coastal waters.

The provision of concrete options for action and consistent implementation of measures for knowledge transfer and data provision are intended to ensure the subsequent use of the results in politics and society. The aim of the research mission is to develop options for sustainable use of marine resources and ecosystem services that will support the achievement of the EUs target of a Good Environmental Status (GES).

This work is a UN Ocean Decade endorsed project, hosted by Ocean Decade Programme SMARTNET. For more information about the project, visit: *https://oceandecade.org/actions/protection-and-sustainable-use-of-marine-areas-sustainmare/*

Webinar Presenter: **Corinna Schrum** has a broad interdisciplinary expertise in coastal research. She has studied dynamics of various coastal systems, including adjacent seas, mediterranean seas, enclosed seas and estuaries addressing topics such as air-sea, land-ocean and ocean-shelf coupling. Using coupled modelling together with a broad range of observations as a primary research tool, she studies dynamics and decadal to multi-decadal variability of shelf systems. A significant part of Schrum´s research efforts went into the development of coupled models, resulting in one of the first regional coupled atmosphere-ice-ocean models, a NPZD-hydrodynamic model, an End-to-End ecosystem model and a coupled ground water-sea water model. Current focus of her research is the impact of multiple drivers on matter transport, marine ecosystems and organisms and the predictability potential for marine resources.

Schrum guided the compilation of a number of modeling databases and observational based gridded products, which have found their way into a wider research community and are distributed to the users via the ICES working group WGOOFE and through the coastDat model database.

SUPREME

SUstainability, Predictability and REsilience of Marine Ecosystems

Blue Food Futures

Smart Net

FishSCORE 2030

Fisheries Strategies for Changing Oceans and Resilient Ecosystems