



Food and Agriculture
Organization of the
United Nations



10, JULY 2024



12:30–13:30 CEST



AR/ZH/ES/FR/RU/EN



PLENARY HALL

Impacts of climate change on marine fish biomass. What will the future look like?

Climate change impacts on marine fisheries resources are changing the distribution and productivity of marine species around the globe. Knowledge and model projections to estimate fish biomass gains and losses can be crucial for climate resilient fisheries management and adaptation planning.

The purpose of this event is to launch FAO Fisheries and Aquaculture Technical Paper 707 on **Climate change risks to marine ecosystems and fisheries. Projections to 2100 from the Fisheries and Marine Ecosystems Model Intercomparison Project**. The publication presents medium- (2050) to long-term (2100) projections of marine biomass under different climate scenarios, for all countries and territories.

The results are based on state-of-the-art modelling approaches produced by a global network of marine ecosystem modelers who joined forces through an inter-comparison exercise of all existing models around the world, to obtain best case projections and associated uncertainties. The elements presented in the report are expected to feed the countries' efforts to update their Nationally Determined Contributions to achieve the Paris Agreement goals. The publication is intended for policymakers, fisheries managers and practitioners, academia, as well as national authorities engaged in climate negotiations, who will gain an insight into the potential futures for marine fisheries in a climate change era.

COFI36

The event will present the main results of this exercise and showcase how marine ecosystem models can inform climate action and policy making. It will also provide an overview of further steps to enhance reliability of modelling projections and strengthen the science-policy linkages.

Speakers

Prof. Manuel Barange

Assistant Director General and Director, Fisheries and Aquaculture Division, FAO

Prof. Julia L. Blanchard

Professor of Ecology and Biodiversity at the Institute for Marine and Antarctic Studies, Australia, and lead of the Fisheries and Marine Ecosystem Model Intercomparison Project (FishMIP).

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