FRB FONDATION POUR LA RECHERCHE SUR LA BIODIVERSITÉ

CESAB
CENTRE FOR THE SYNTHESIS AND ANALYSIS OF BIODIVERSITY

# FISHMIP-OSP

## The Ocean System Pathways (OSPs): a new scenario and simulation framework to investigate the future of the world fisheries


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Predicting the trajectories of marine social-ecological systems is complex. Since 2013, the FishMIP model intercomparison programme has produced global multi-model projections of climate impacts on marine ecosystems, contributing to IPCC, IPBES and FAO reports.

The **FISHMIP-OSP** project aims to extend this work to the projection of the future of global fisheries. It is based on the **Ocean System Pathways** (OSPs) scenarios that describe the past and future socio-economic contexts of pelagic and bentho-demersal fisheries as well as mariculture. **FISHMIP-OSP** will homogenise the data used to force and evaluate the models. It will develop standardised simulation protocols for the simulation of marine ecosystems and fisheries and evaluate historical simulations. Analysis of the OSP-based simulations will focus on climate justice, food security, North-South equity in fisheries, aquaculture development and biodiversity conservation.

The results of the project will inform policy development at FAO and contribute to future IPCC and IPBES reports.

**CESAB** *(CEntre for the Synthesis and Analysis of Biodiversity) is FRB's flagship program and an internationally renowned research center whose objective is to implement innovative work to synthesize and analyze existing data sets in biodiversity research.*

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