

in the North Pacific

Phoebe Woodworth-Jefcoats
NOAA Fisheries

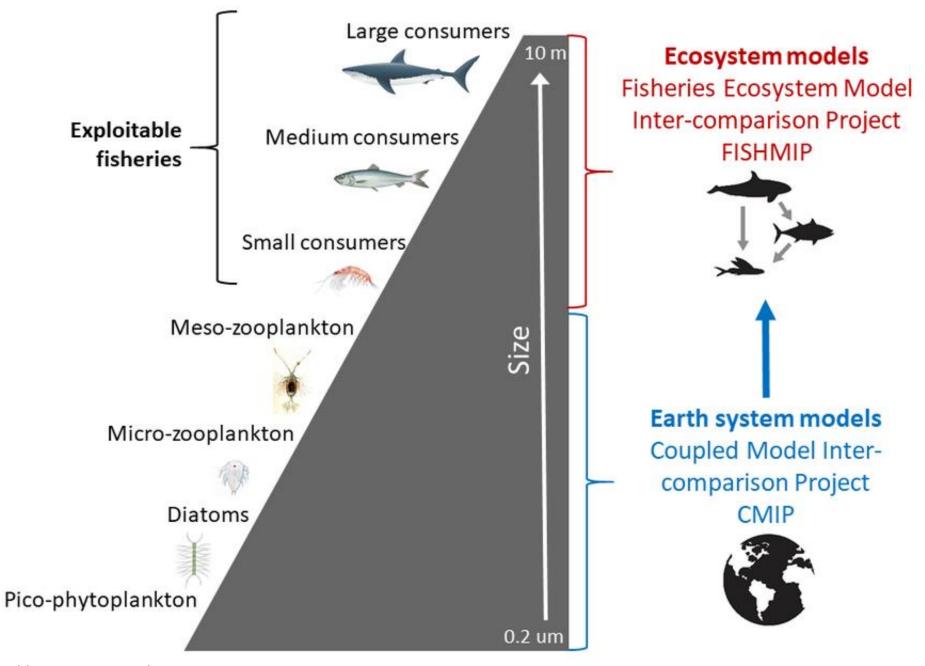
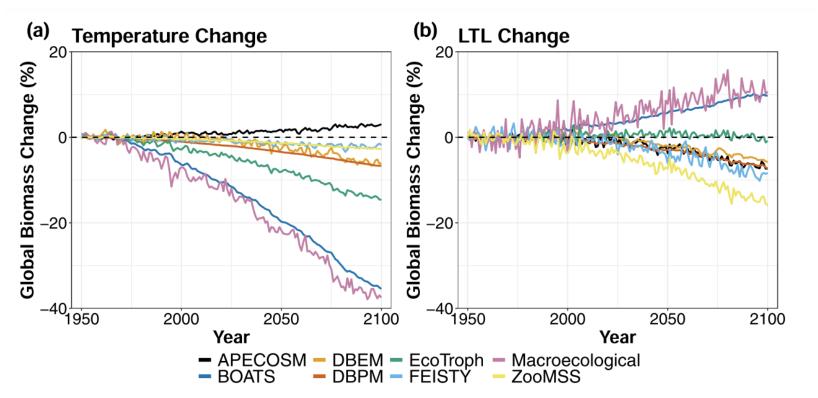
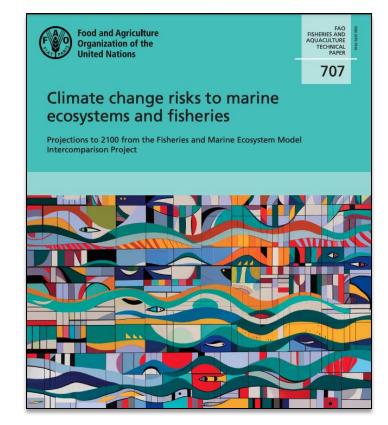


Figure from https://fishmip.org/about.html Boyce et al. 2021

FishMIP Goals

Understand model differences | Facilitate model development | Offer insight into climate effects on marine resources

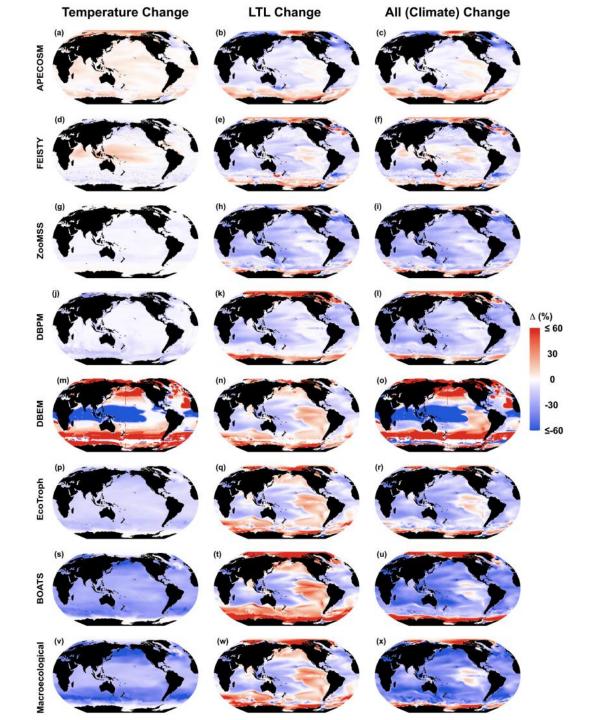


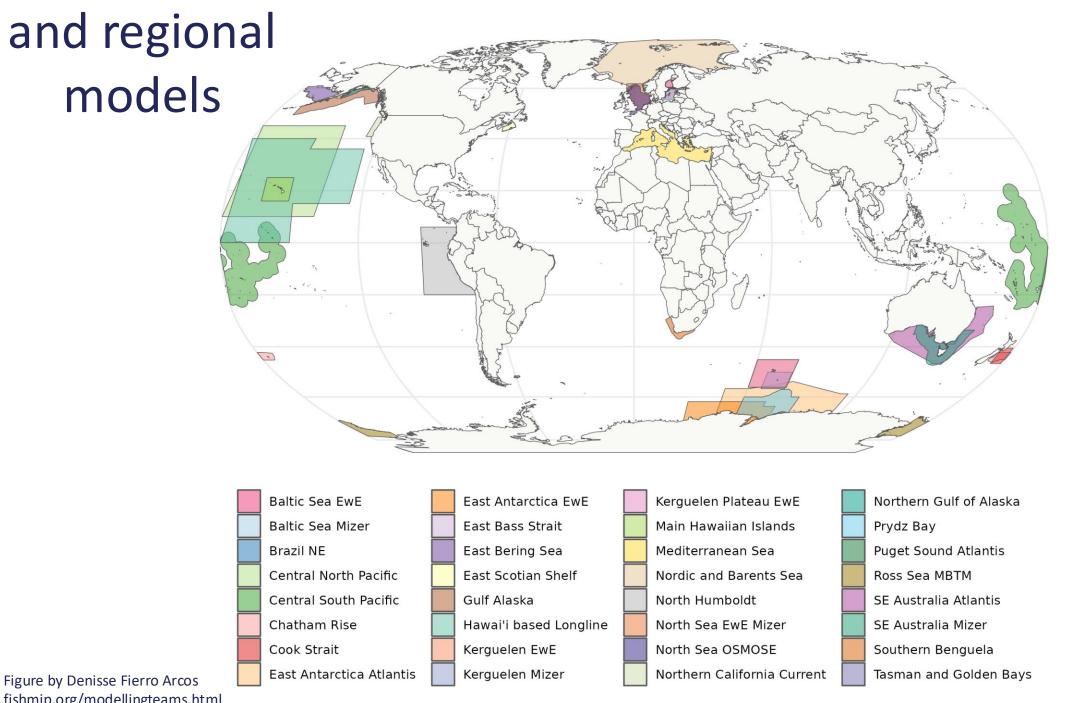


(L) Heneghan et al. 2021 10.1016/j.pocean.2021.102659

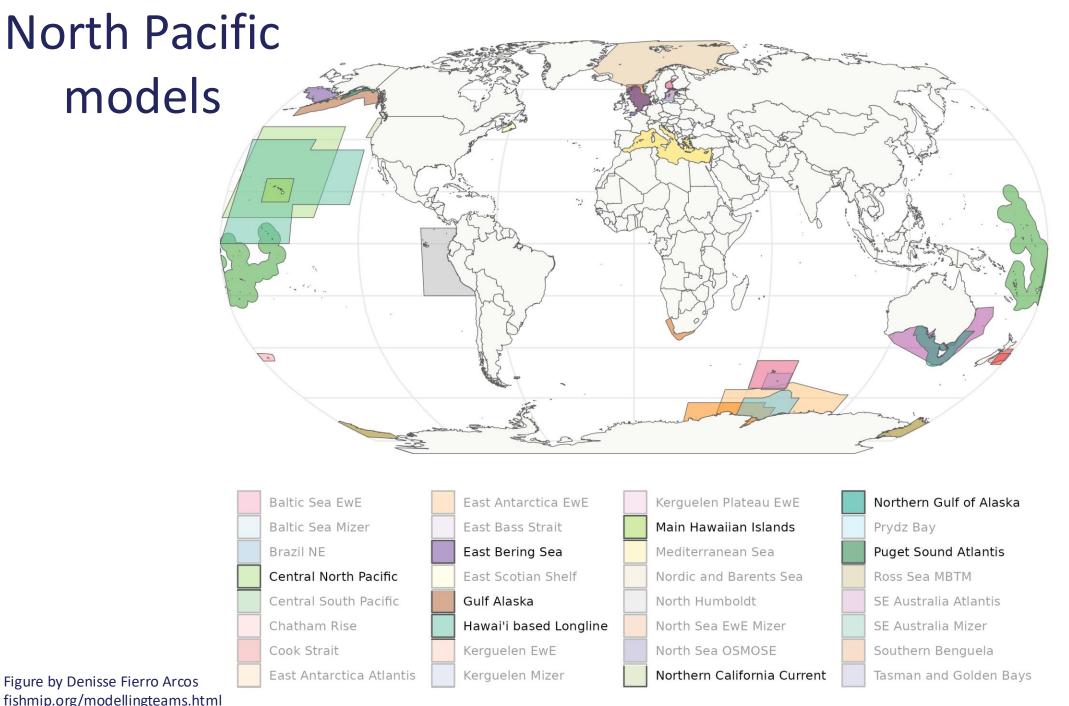
(R) openknowledge.fao.org/items/097908c4-e2ad-428a-9350-e15e5dcd11f4

Growing suite of global models





fishmip.org/modellingteams.html



fishmip.org/modellingteams.html

How to join:

Four key steps to contribute to FishMIP experiments Regional modelling team

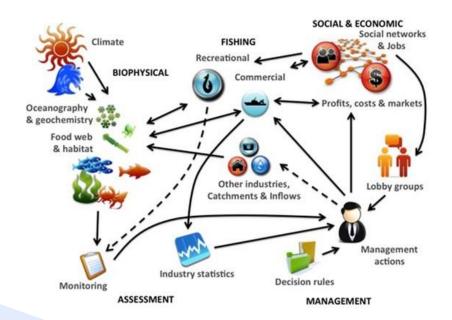


1. Let us know and set up your account on the ISIMIP server





2. Access climate and fishing inputs



3. Run core simulations described in the protocol





4. Save outputs following guidelines and upload them to the ISIMIP server

fishmip.coordinators@gmail.com

Source: Camilla Novaglio & Kelly Ortega Cisneros

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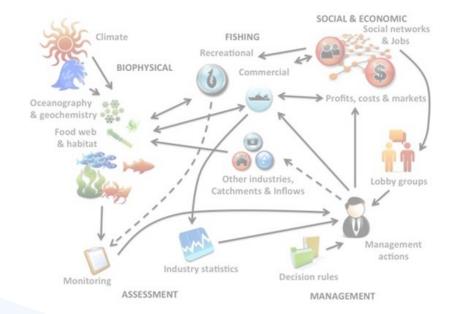
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Late Nov 2024



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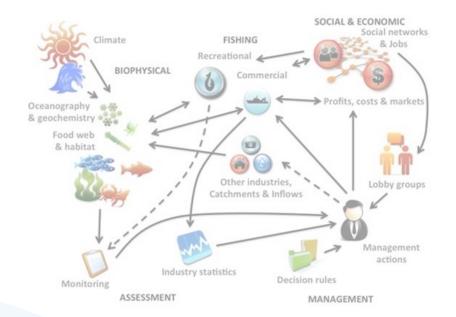


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March/April 2025





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Source: Camilla Novaglio & Kelly Ortega Cisneros

The Inter-Sectoral Impact Model Intercomparison Project

ISIMIP offers a framework for consistently projecting the impacts of climate change across affected sectors and spatial scales. An international network of climate-impact modellers contribute to a comprehensive and consistent picture of the world under different climate-change scenarios.

READ MORE





Protocol goal
Simulation climate forcing
Output repository



Data access tools
Simulation fishing forcing
Modeler community: FishMIP folks
are friendly and helpful

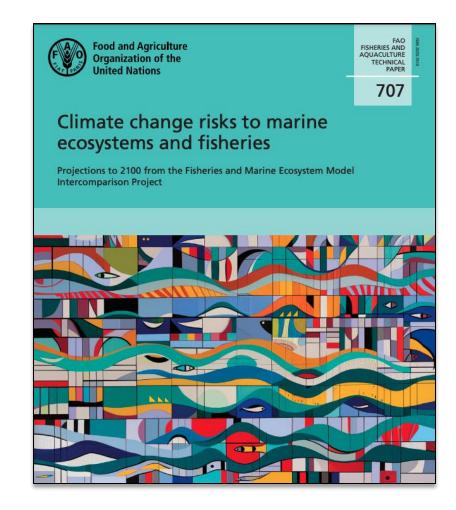
FishMIP Working Groups:

- WG1: Model improvement & data tools developing tools to assess the reliability of marine ecosystem model ensembles
- WG2: Socio-economic scenarios development, implementation, testing, and simulation of the Oceanic System Pathways (OSPs)
- WG3: Food security climate change impacts, risk, vulnerability assessments on food systems and food security
- WG4: Biodiversity protection explore the role of MPAs and other area-based fisheries management strategies
- WG5: Climate change mitigation explores the potential impacts of climate interventions on marine ecosystems

fishmip.org/workinggroups.html

Why participate?

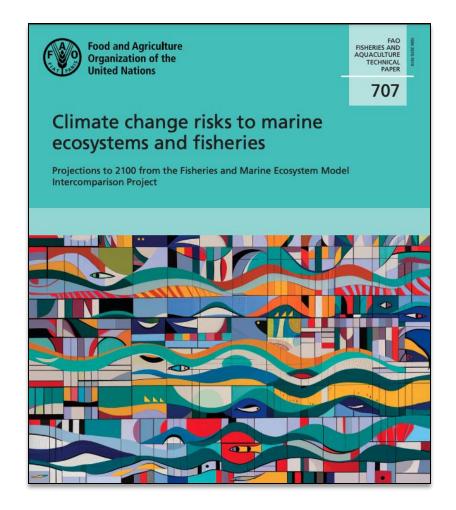
Your science will influence policy



Why participate?

Your science will influence policy

 Your efforts will advance our field (resulting in better policy)



Why participate?

Your science will influence policy

- Your efforts will advance our field (resulting in better policy)
- You will be joining a community of modelers



Fisheries & Marine Ecosystem Model Intercomparison Project

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