

Mexico Baja California Sur blue and brown
shrimp – bottom trawl/cast net
Fishery Improvement Project (FIP)

**Action 1. Conduct a Management
Strategy Evaluation.**

One Year Progress Report

October 2025

Task 2. Organize research workshops with the inter-institutional group to identify both short- and long-term management objectives.

Task 3. Conduct a management strategy evaluation for the brown and blue shrimp fishery in the Mexican Pacific.

Throughout the year, significant progress has been made in coordination with fisheries authorities, particularly with the Mexican Institute for Fisheries and Aquaculture Research (IMIPAS). Under the established collaboration agreement, several technical meetings and workshops have been held with academics, consultants, and IMIPAS researchers to jointly define the short- and long-term management objectives for the shrimp fishery.

As a result of these discussions, the first objective was defined as the development of a dynamic biomass stock assessment model, which has already been completed and is currently under scientific review for publication. Due to confidentiality policies, the manuscript cannot be shared until it is officially accepted.

The second objective focuses on improving the stock assessment through a length-structured model, which has already been implemented and applied to support the 2025–2026 shrimp season opening recommendation.

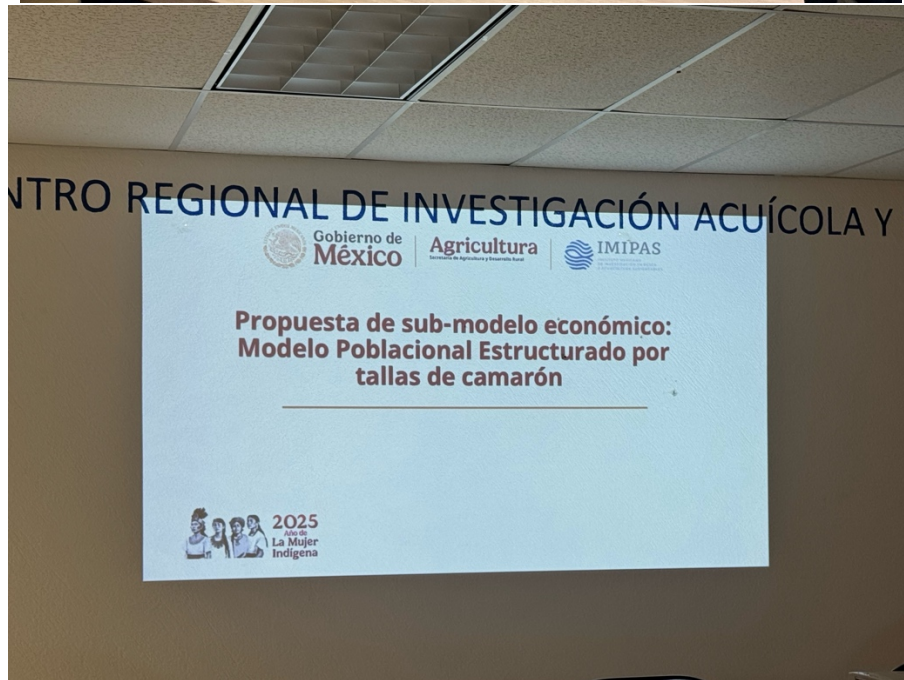
As the next step, the fishery will advance toward the implementation of the Woods Hole Assessment Model (WHAM)—a state-space assessment framework that integrates time- and age-varying processes via random effects and links to environmental covariates. To support this, a training workshop will be held from November 10–21, 2025, at CIBNOR in La Paz, Baja California Sur, Mexico, with the participation of IMIPAS researchers, academic experts, consultants, and the FIP implementer.

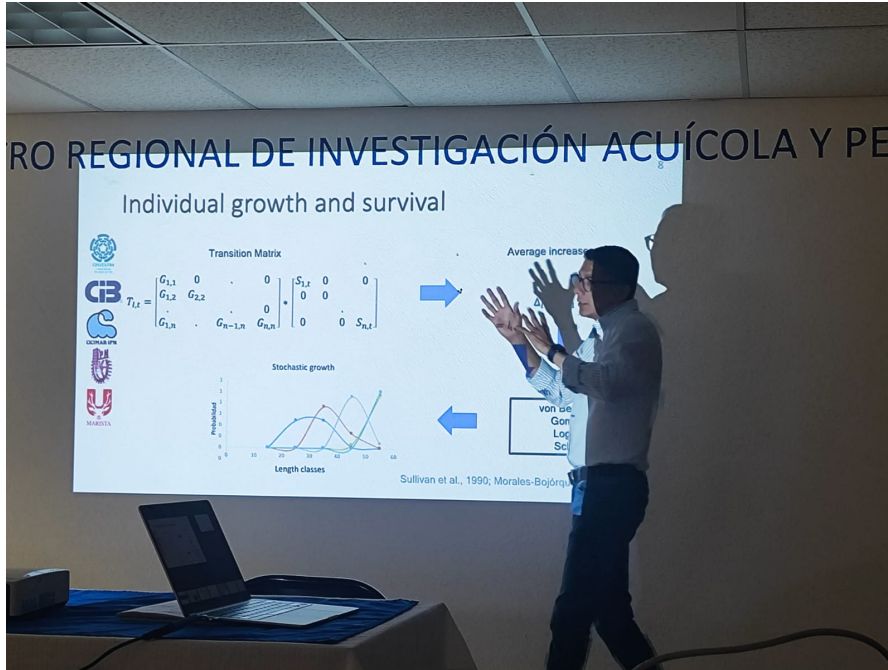
These coordinated efforts will provide a robust suite of stock assessment and management tools for the Mexican Pacific shrimp fishery, strengthening science-based decision-making and ensuring long-term sustainability.

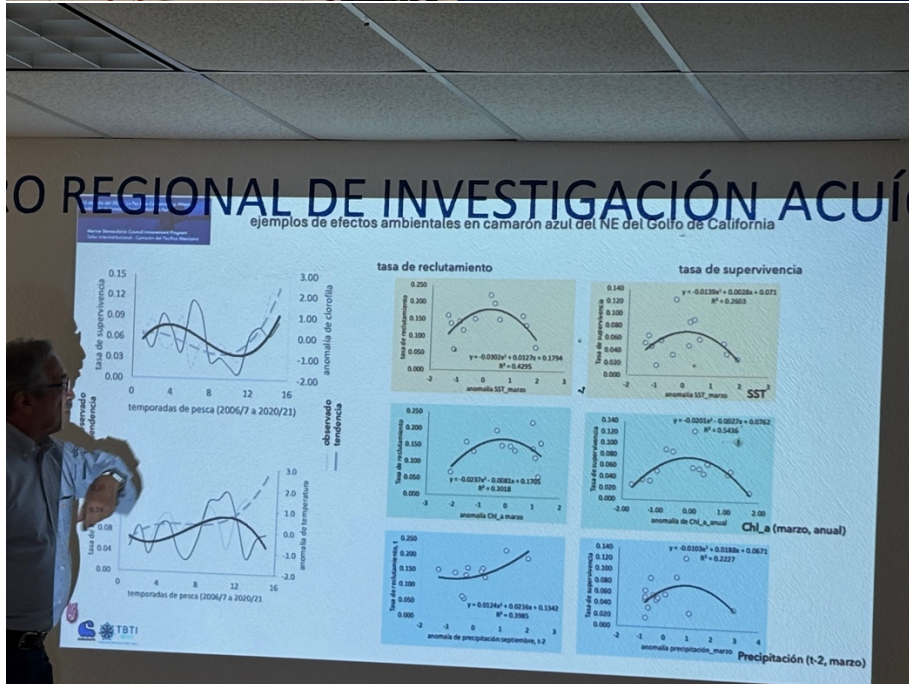
Evidences.

Images are included showing the different meetings and workshops held among fisheries authorities, researchers, academics, and consultants, where short- and long-term management objectives for the brown and blue shrimp fisheries were developed and discussed.









The official presentation of the length-structured model was led by Dr. Enrique Morales Bojórquez, Director of Pacific Fisheries at IMIPAS, highlighting its relevance as a science-based tool for sustainable shrimp management in the Mexican Pacific.

