FishSET
Spatial Economics Toolbox for Fisheries

A new tool to better incorporate fisher behavior into fisheries management

Many modeling challenges exist. While predictive models are valuable tools for sustainable fisheries management and conservation, challenges to their development include preparing, integrating & updating many data sources, choosing appropriate models, and interpreting results.

FishSET's goal is to address these challenges to enable NOAA Fisheries economists and social scientists to better inform policy decisions by predicting how a variety of factors might influence fisher behavior.

FishSET is a comprehensive toolbox for combating the analytical and predictive challenges of modeling fisher behavior.

FishSET provides:

1. **Superior data organization, analysis, and integration** for spatial models.
2. **Best management practices** for data, modeling, and model comparison.
3. **Many models in a single toolbox** for ease of model comparision and use. Combines several fisheries economics modeling approaches in one toolbox.

For more information, please contact:

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In Alaska, FishSET will allow us to better understand the impacts of closed areas, catch shares, climate change, and bycatch avoidance on fisheries.

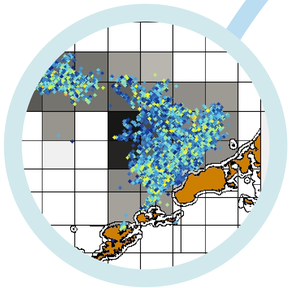
FishSET Supports Better Management

Fisheries management involves complex trade-offs in a changing environment. FishSET enables decision makers to better analyzepolicies so that they will be cost- effective and achieve the greatest protection for the lowest cost.

FishSET:

NOAA's powerful new toolbox for improving the conservation, protection, and managment of our oceans

What **tools** are in the FishSET toolbox?



Model Tools

Model Design and Selection Tool
Enables modeling of different combinations of variables and models

Modeling Tool
Runs standard, cutting-edge, and user-designed models

Model Comparison and Reporting Tool
Provides an extensive comparison of model performance and summarizes data, models, and results

Data Tools

Data Management and Integration Tool
Facilitates the development and integration of datasets for spatial modeling

Monte Carlo Tool
Simulates real fisheries data while preserving confidentiality, allowing better model testing and comparison

Data Analysis and Mapping Tool
Enables graphical and geographic data viewing and prepares data for spatial modeling

Policy Tool

Policy Simulation Tool
Predicts location choices and estimates policy impacts