

Policy objectives

Optimal policy

Bayesian optimization

System state metrics

Policy parameters

Policy

- Restrictions (e.g., location, season, tax)

Fishing fleet

- Agent-based model
- Social network
- Internal quota market
- Fish aggregating devices

External market

- Sales price

Environment

- Meteorological conditions
- Ocean conditions
- Bathymetry
- Bed type

Ocean ecology model

- Spatial
- Biomass