

Review of Conceptual Ecosystem
Model
Scientific and Statistical Committee

May 18, 2020

Status and Progress

Overall Model

Submodels

Connections

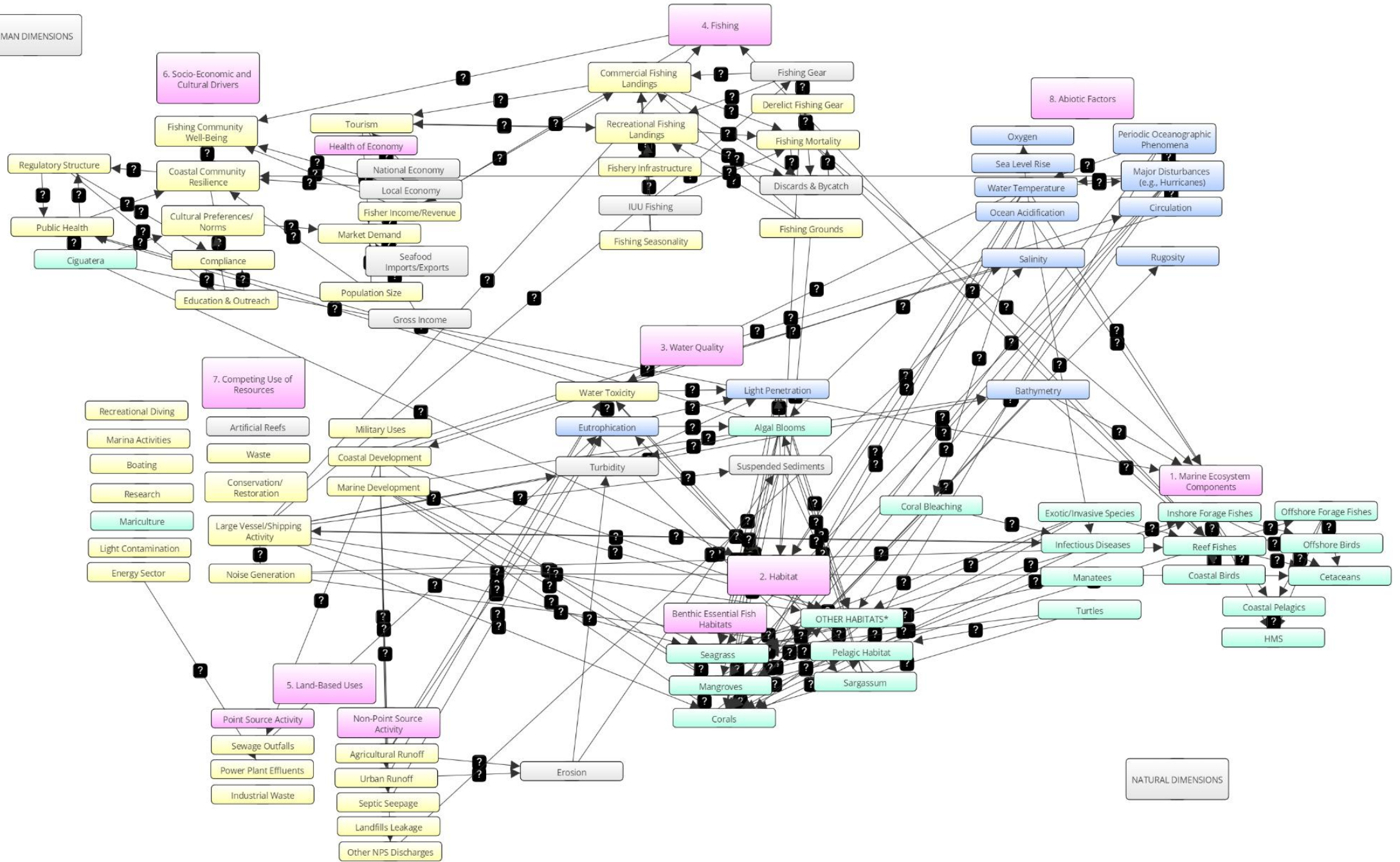
Mental Modeler

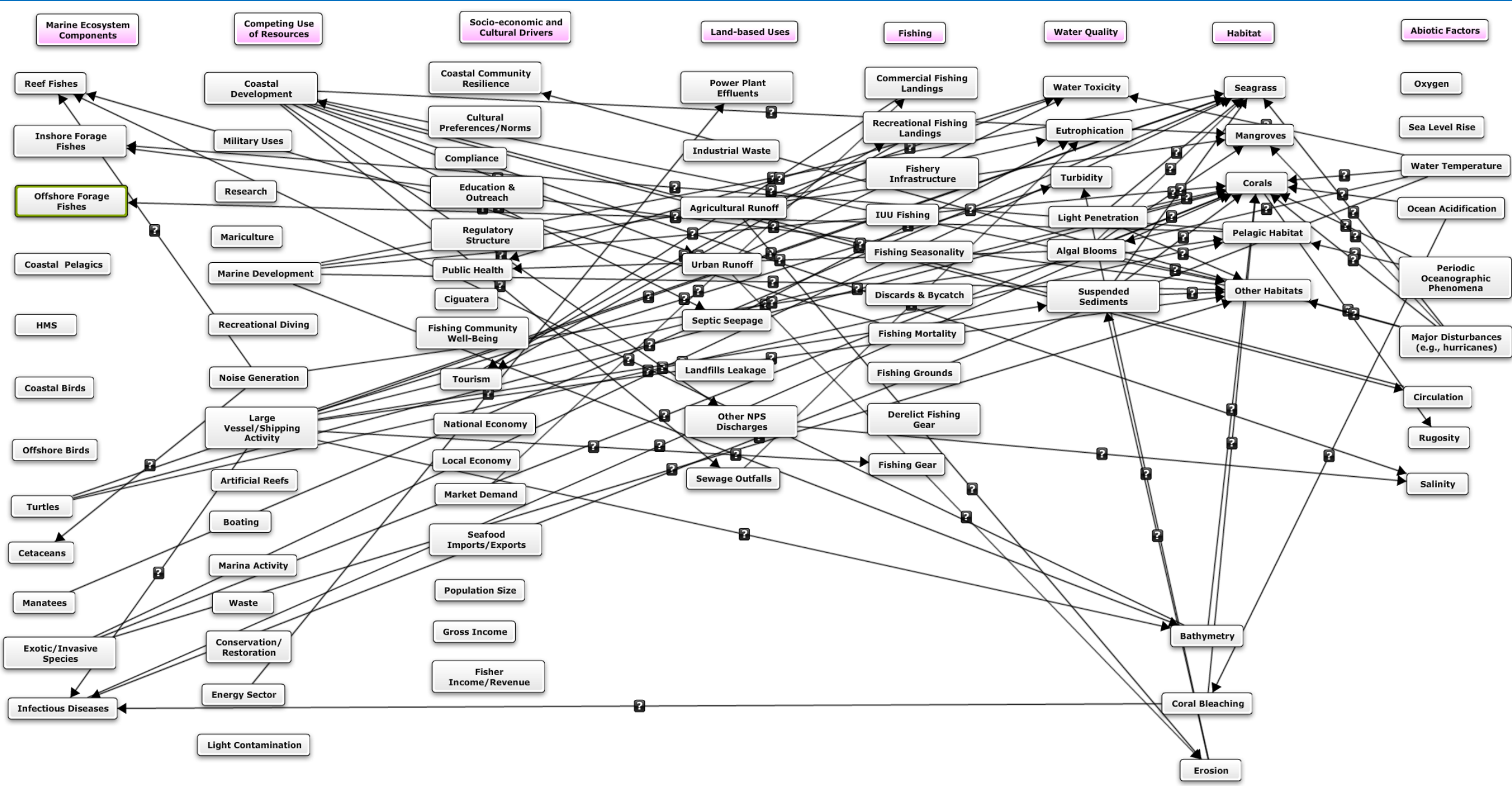
Integrated Arrows and Spreadsheets

Model has 8 Submodels

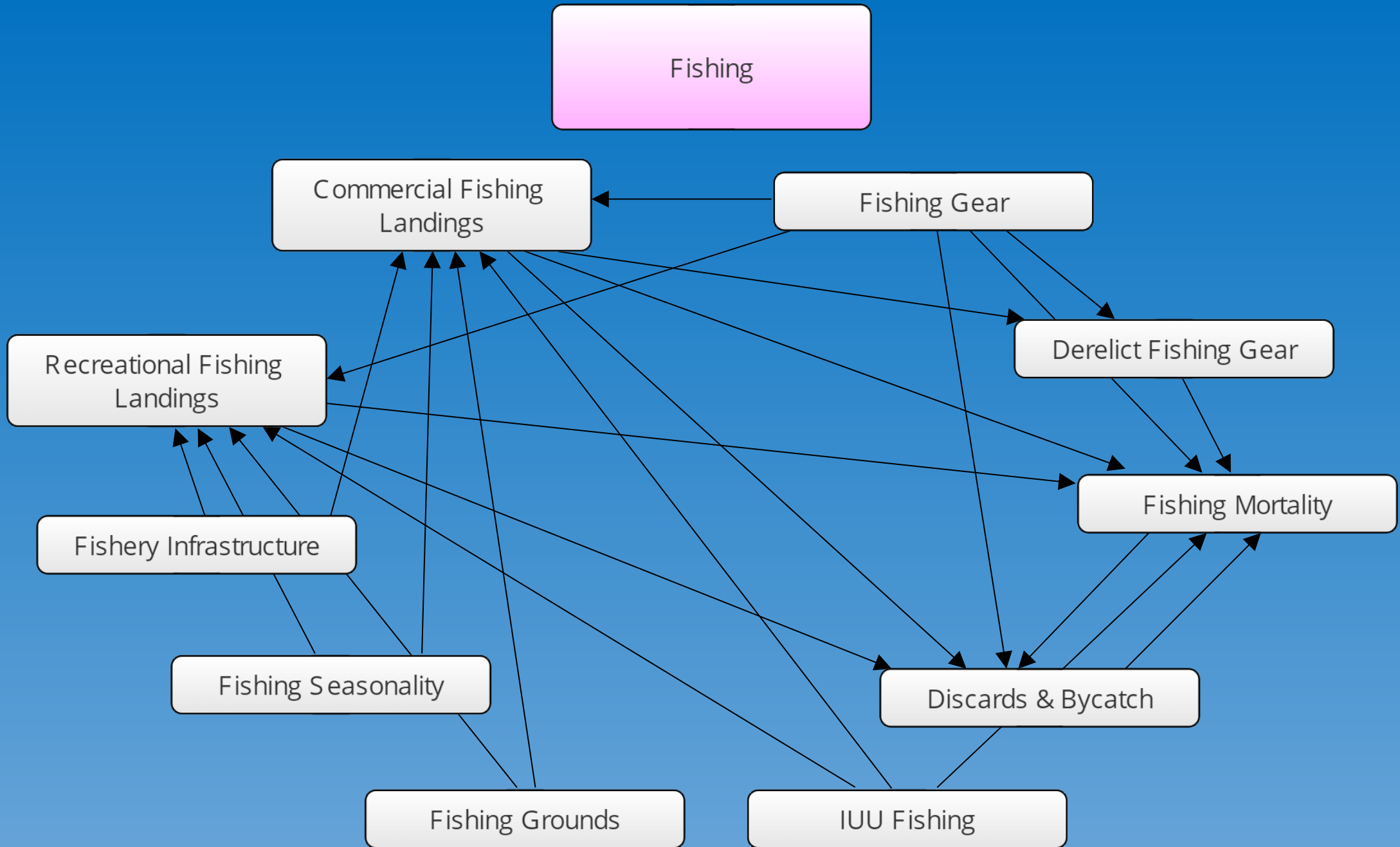
Submodels have variable number of components

- **Marine Ecosystem Components (12)**
- **Competing Use of Resources (15)**
- **Socio-economic and Cultural Drivers (16)**
- **Land-Based Uses (8)**
- **Fishing (10)**
- **Water Quality (6)**
- **Habitat (5)**
- **Abiotic Factors (9)**









All interactions are read from the left-hand column 

	Fishing Gear	Derelict Fishing Gear	Fishing Mortality	Discards & Bycatch	Fishing Grounds	Fishing Seasonality	IUU Fishing	Fishery Infrastructure	Recreational Fishing Landings	Commercial Fishing Landings
Fishing Gear		0	0	0					0	0
Derelict Fishing Gear			0							
Fishing Mortality				0						
Discards & Bycatch			0							
Fishing Grounds									0	0
Fishing Seasonality									0	0
IUU Fishing			0						0	0
Fishery Infrastructure									0	0
Recreational Fishing Landings			0	0						
Commercial Fishing Landings			0	0						

Water Quality



Magnitude = 1,2,3 (Low, Medium, High) +/- = Direction of interaction

	Suspended Sediments	Algal Blooms	Light Penetration	Turbidity	Eutrophication	Water Toxicity
Suspended Sediments		0	0	3	1	1
Algal Blooms	1		0	3	0	3
Light Penetration	0	1		0	0	0
Turbidity	0	1	-3		0	0
Eutrophication	0	3	0	0		0
Water Toxicity	0	0	0	0	0	

Moving Forward:

Each submodel was assigned to an SSC member

Overview

Brief summary of the submodel

Current status

Connections: directions, signs, magnitudes

Pending discussion

Recommendations



Lead Discussion