

# Conceptual Model

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## **Recovery times and synchronized spatial management of Fisheries**

### **Motivation**

Identify a question for which the use of a model would help you to answer it. Select a question that has the following characteristics. The model would involve at least 3 sub model It would be interesting to perform sensitivity analysis for at least two parameters At least one sub-model should include either an ODE or a spatial model Provide some rationale for why this is an important question to answer and why a model is needed (1-2 paragraphs)

1. Identify the characteristics of submodes that you will use - spatial or lumped, dynamic or static, deterministic or stochastic, physically based/abstract?
2. Identify the goal of your model - what is the question that it will be used to answer; for which types of users
3. Design a figure to illustrate your conceptual model
4. Determine the inputs, outputs that will be used for each submodes