

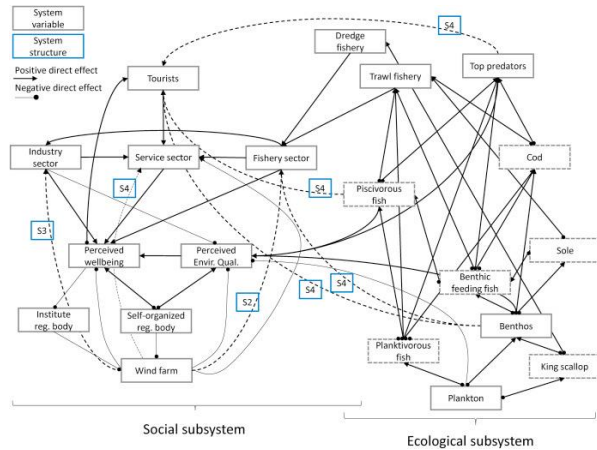
Research topic: Studying socio-ecological barriers to off-shore wind energy (JW4A)

- Research line: Sustainability modelling for the ecological transition
- Research group: Sostenipra

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Supervisors:

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Off-shore wind Energy development is a key strategy for the energy transition in Europe, however it brings many impacts over the surrounding socio-ecological system. **These impacts need to be better understood if they are to be included in prospective energy modelling and decision-making.**

In this thesis, the student will work in one of our case studies of off-shore wind Energy development. They will **identify the main components of the socio-ecological system and analyze how different scenarios of wind Energy might impact them.**

The student will work within **JustWind4All**, a **EU funded project** in which we develop more robust and fit-for-purpose methods for the sustainability analysis of the role of wind energy in the energy transition in Europe.

Main goal: Analyze the impact of wind energy development scenarios over the local socio-ecological system

MAIN TASKS:

- 1) Literature review about impacts of off-shore wind energy in coastal areas
- 2) Mapping the socio-ecosystem components and their relations, might include collaboration in fieldwork
- 3) Analyze the impacts of off-shore wind Energy over the socio-ecosystem components for different wind Energy scenarios
- 4) Write a peer-review paper for submission in a peer-review journal.