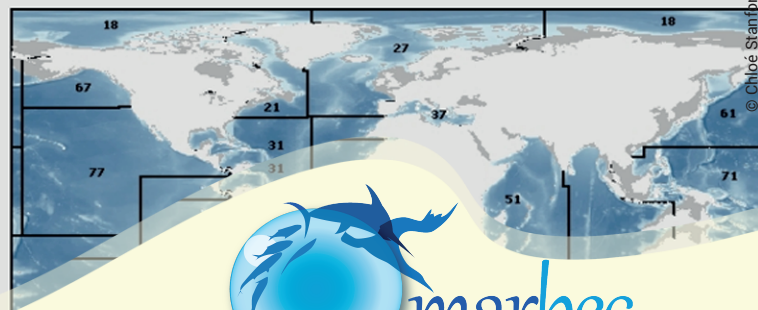


Fish biomass
(extraction)Marine biotic
changeMarine
biodiversityEcosystem
Quality

Les Jeudis de l'UMR

JEUDI 23 MARS 2023 / 13H15 **Chloé STANFORD-CLARK**, Doctorante INRAE Montpellier

Developing the fisheries impact pathway: integrating the impact of fishing activities on marine ecosystems in Life Cycle Assessment

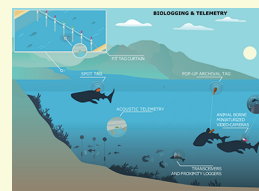
I am a PhD student in my third year, in the UMR ITAP team ELSA and this Thursday I will present an overview of my thesis.

Life Cycle Assessment (LCA) is a tool that can be used to evaluate the environmental impact of anthropogenic products and activities. Fishing is a globally important source of nutrition and employment, but exploitation of this biotic resource is no longer sustainable, and over-fishing has become one of the main drivers of biodiversity loss in the oceans. Life Cycle Impact Assessment (LCIA) is a part of the LCA framework which is still developing, particularly for marine impacts. This includes the creation of new impact pathways such as the impact of fishing on biodiversity, which has recently been developed using a methodology based on the population dynamic Schaefer model. The aim of my thesis is to develop this new fisheries impact pathway to have a more realistic evaluation of the impacts of fishing activities on the marine ecosystem, operational within the framework of LCA. This includes integrating ecosystem dynamics into the evaluation, coupling an adaptation of the ecosystem model Ecopath with Ecosim with LCIA modelling.

> accès zoom

<https://umontpellier-fr.zoom.us/j/96426860643>
ID de réunion : 964 2686 0643

> prochainement



Jeudi 30 mars 2023 : Johann Mourier
(Professeur Junior, UM, MARBEC)
"Le biologging au service de l'écologie comportementale marine et de la conservation"

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