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Orientation: Sustainable Use of Marine Resources  
Specialization Area: Management and Use of Resources  
Research Area: 2.7 Resource exploitation impact assessment



**PhD project: Landing Obligation Assessment Through Bioeconomical Modelling**

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**Summary:** Fisheries management in European waters is carried out through the Common Fisheries Policy (CFP). The CFP is reviewed and modified periodically. During the last review, agreed in 2013, important updates were introduced. One of the most important reforms was the landing obligation execution. The arrangement was approved in 2013 and it has been gradually implemented in European fleets. The policy will be completely implemented in 2019. The measure aims to perform fishing fleets, especially in mixed fisheries where different stocks are caught at the same time. Fishing firms are obligated to stop fishing activity when one of the stocks reaches the assigned quota. To avoid landing obligations negative implications, fishing firms could deploy strategies such as, for example, the use of more selective gears or fish in more specific fishing grounds.

The measure has important biological, economic and social consequences. While it is true that at biological level shifting the current stock situation by means of reaching maximum sustainability yield is the target, at economic and social fields the effects of the new policy are undetermined. Different experts as García et al. 2017, Simons et al. 2015 or Wise et al. 2015 have investigated about this new scenario through diverse bioeconomical modelling approaches.

The objective of the current investigation is to assess the economic impacts for this new policy scenario. It will be done developing bioeconomical models that allow us to assess changes in fishing strategy trends. We want to develop a model within the “Assessment for All” (a4a) framework, contributing to the enlargement of the a4a libraries.

