ARE FUGITIVE FISH ESCAPING FROM MANAGEMENT?

A multi-stakeholder approach to tackle escape events

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GLORiA 2 GLObal change Resilience in Aquaculture

aquaculture europe 22

During the implementation of GLORiA² project, a series of needs were raised by the stakeholders (aquaculture companies, fishing sector, other scientific bodies, regional and national administrations) which require to continuously develop actions to improve our knowledge about the impacts of escapes both in the environment and in the value chain; from the moment the cages suffer a technical failure to that moment when the fish is purchased by the final consumer (Fig.1).

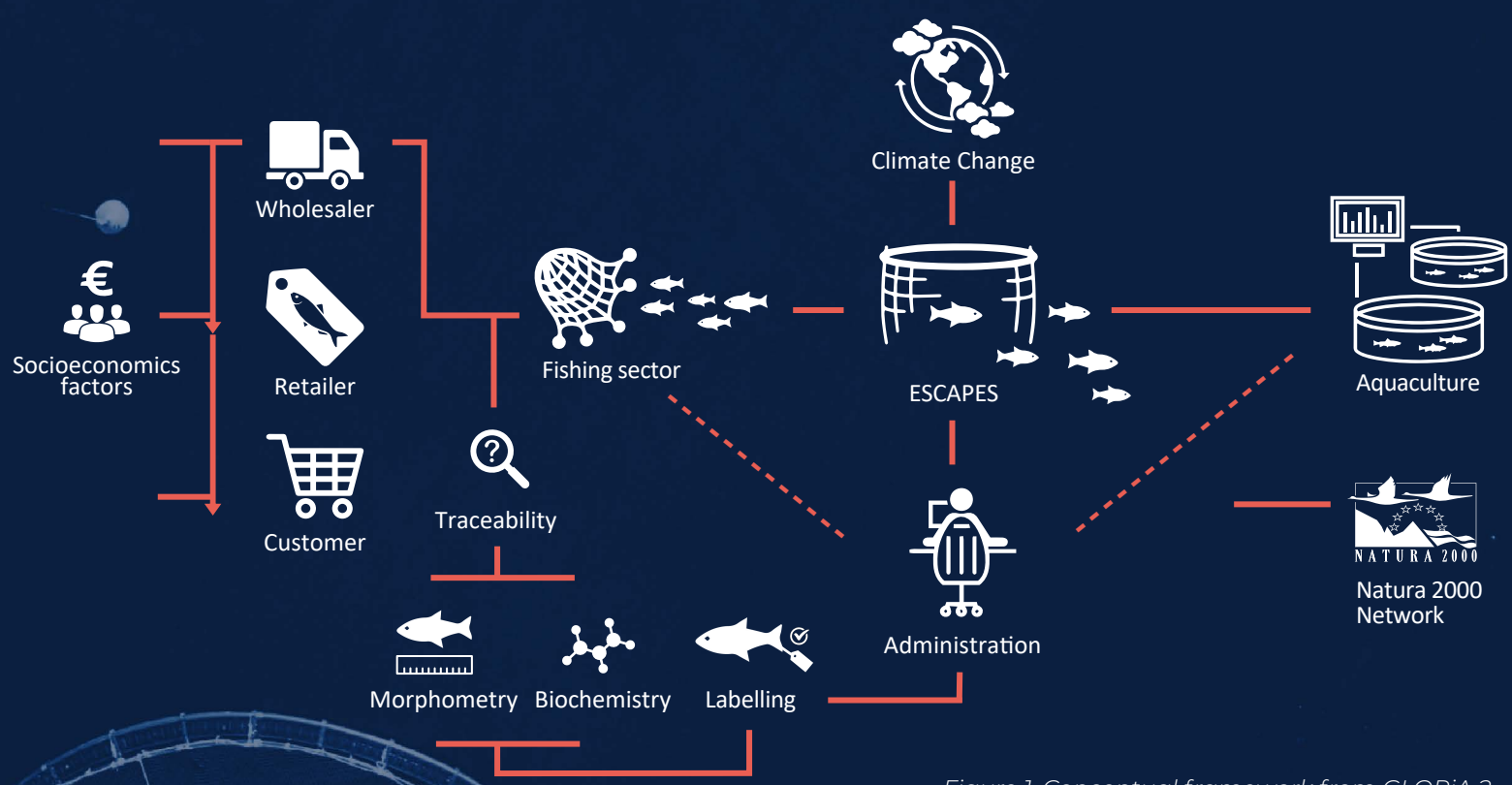

Figure 1. Conceptual framework from GLORiA 2

GLORiA² project goals

1 Encourage participatory management through the creation of working groups at regional and national levels.

2 Use state-of-the-art computer vision and analysis technologies to improve the identification of escaped fish at the fish market and therefore their traceability.

3 Improve, through morphometric and physiological biomarkers, the traceability of escaped fish entering value chains in order to ensure food safety for consumers.

4 Analyse the level of fraud in products shared by aquaculture and extractive fishing, proposing measures related to labelling in order to allow correct identification..

5 Predicting future incidence of fish escape events and their interactions with marine coastal ecosystems.

6 Analyse social preferences about escaped fish management measures and their implications for fresh fish market prices, improving food security and environmental sustainability.

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