

PROJECT DEVELOPMENT



AZTI (ES) and **INGENET** (ES) will develop a tool for the calculation of Product Environmental Footprint, while AZTI (ES) and **HCMR** (GR) will be responsible for guiding aquaculture companies, **CULMAR** (ES), **FORKYS** (GR) and **SKIRONIS** (GR), in the validation of the tool and the implementation of environmental improvements.

KU Leuven (BG) will be the partner responsible for the development of an effective environmental communication system all levels: business-to-business, business-to-consumer and business-to-administration.

ENVIRONMENTAL IMPROVEMENT

The project will integrate **environmental improvements in all key aspects of the aquaculture production chain:** the selection of the place, the ingredients of the feed, management tools, mortality controls of fish, fish handling and processing or bio-waste management.

COORDINATOR



CONTACT

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PARTNERS



Budget:

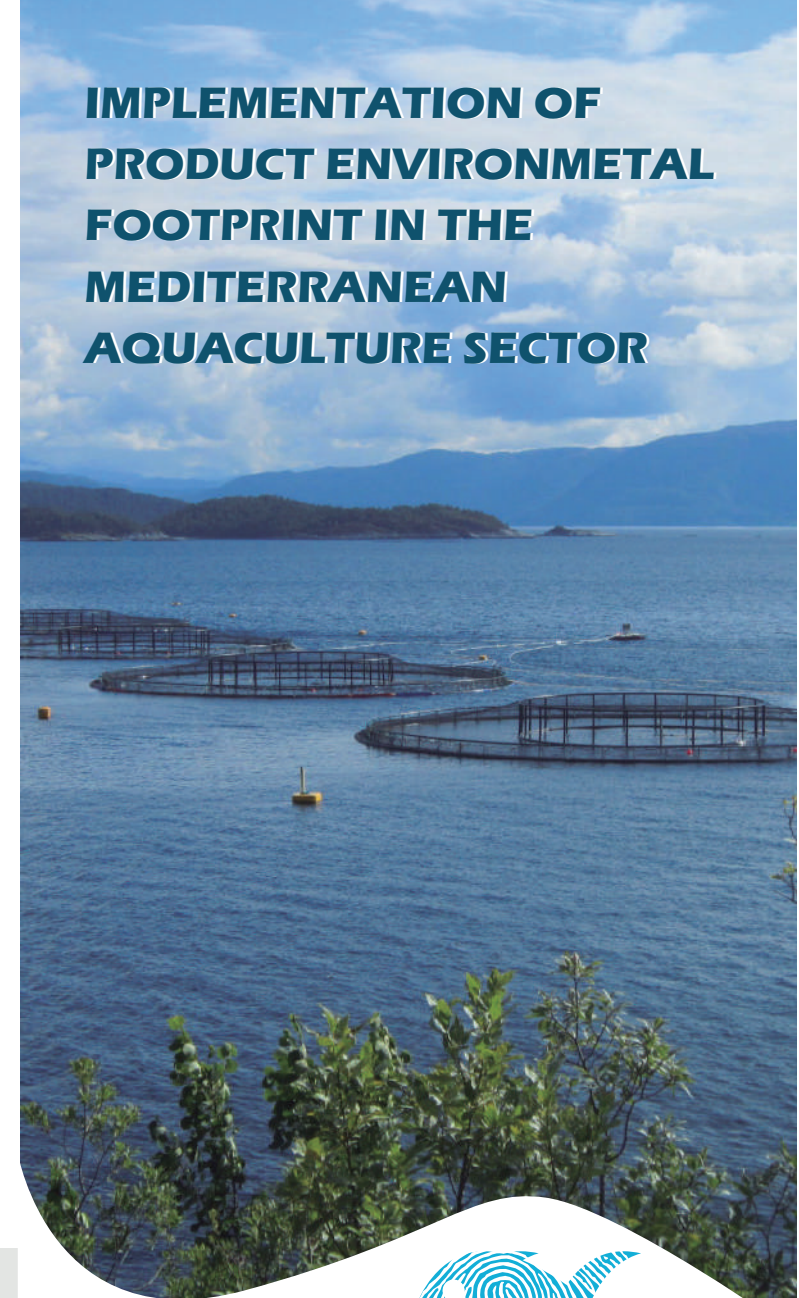
1.754.332 €
60 % Co-financed by the UE

Duration:

Start 01/07/2018
End 31/12/2021

The *LIFE Environment and Resource Efficiency Program* is the financial instrument of the European Union to support projects related to the environment and the conservation of nature, promoting sustainable development.

IMPLEMENTATION OF PRODUCT ENVIRONMENTAL FOOTPRINT IN THE MEDITERRANEAN AQUACULTURE SECTOR



Life AQUAPEF

Effective implementation of the PEF
in the aquaculture sector



LIFE17 ENV/ES/000193

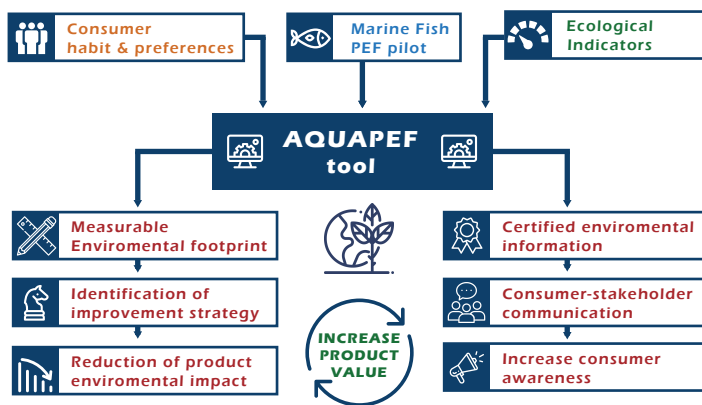


INTEGRATIVE METHODOLOGY TO FACILITATE THE DATA COLLECTION, CALCULATION, VERIFICATION AND COMMUNICATION OF THE ENVIRONMENTAL FOOTPRINT OF AQUACULTURE PRODUCTS



OBJECTIVE

LIFE AQUAPEF will validate and demonstrate the effectiveness of the PEF methodology as a tool for environmental improvement of aquaculture products.



PEF: Product Environmental Footprint

“ The Product Environmental Footprint evaluates the environmental impacts along the entire life cycle of a given product or service. This methodology provides harmonized information which allows companies to focus environmental improvement strategies on the main causes and origins of the impact.

EXPECTED RESULTS

01. Creation of a **group of expert agents** of all the value chain of Mediterranean aquaculture.
02. **New life cycle inventory database** for the Mediterranean aquaculture sector.
03. **An easy-to-use tool** for calculating the footprint environmental impact of aquaculture products.
04. **List of actions and strategies** for improvement of the Mediterranean aquaculture sector.
05. **New ecological indicators** to complement the Environmental Footprint of fishing product.
06. **Implementation of environmental improvements in three aquaculture farms:** multi-trophic aquaculture strategies, new feeding methods and bio-waste management.
07. **Reduction of 7,695 t of CO₂ eq.**, around 2,531 m³ of water, 13,300 t of waste and recovery of 200 t of biological waste during the project.
08. Development of **new environmental communication strategies** to enhance the competitiveness of aquaculture companies.
09. **A reliable and effective communication plan** that drives the demand for sustainable aquaculture products. It is expected that more than 5,000 consumers interact with the project.
10. **Promotional material and awareness** for aquaculture companies and national associations.
11. **Replication of the model in 8 aquaculture farms:** 5 sea bass and sea bream farms in Spain, Greece and Italy; 2 salmon farms from the United Kingdom and Ireland and 1 turbot farm in the northwest of Spain.

