

AquaTech4Feed

Novel sustainable aquaculture technologies for
the production of innovative feeds for
improved fish stocks

About the Project

The aim of AquaTech4Feed is to formulate novel fish feed from alternative proteinaceous biomass sources, such as algae, duckweed, insects and microbiomes (bioflocs) in order to improve fish production and product quality. AquaTech4Feed will develop a novel sustainable aquaculture production process based on the production of proteinaceous feed utilizing aquaculture wastewater and wastes.

The production process will consist of a closed recirculation system for recycling of nutrients and water for improved biosafety. New technologies and methods will be applied in order to ensure that the novel feeds are safe to be utilized in the feeding process. The project includes feeding trials with lumpfish, salmon and sea bream in order to assess fish production and to define production and quality benchmarks. The project of a duration of 36 months will be implemented from 8 partners from 6 countries (Greece, Malta, Germany, Italy, Spain and Ireland) consisted of 2 SMEs, 3 research institutes, and 3 universities. More specifically the partners participating in this project are: (1) Hellenic Agricultural Organization - Demeter (HAO), Greece, (2) G-Fish (SME), Greece, (3) L-Università ta' Malta (UM), Malta, (4) Istituto Sperimentale Italiano Lazzaro Spallanzani (SPA), Italy, (5) Bantry Marine Research Station (BMRS), Ireland, (6) Teagasc Food Research Centre (Teagasc), (7) University of Almeria (UAL), Spain and (8) ATB Potsdam (ATB), Germany.



Project Overview

The Cofunded Call | 2020

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Keywords:

novel feed,
nutrient recycling,
aquatic plants,
insects,
bioflocs.

Priority Area:

Exploring improvements in
fisheries and aquaculture.



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