



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

## **SwitchFloc – Boosting sustainability of European aquaculture through Biofloc Technology**

Half of the seafood consumed is farmed. However, today's industrial aquaculture faces problems such as high water use, disease risk, and reliance on fishmeal and fish oil. Supported by the Marie Skłodowska-Curie Actions programme, the SwitchFloc project aims to make aquaculture more sustainable through biofloc technology. This technology recycles carbon and nitrogen waste into beneficial biomass, reduces water needs, and boosts animal health. Specifically, it combines research and training from various fields, focusing on species that already thrive in biofloc systems, as well as on new species. The project will also train a new generation of aquaculture experts who can lead low-impact and efficient production.

**Coordinator:** Universitat Politècnica de Valencia

**Beneficiary:** Università degli Studi di Padova

**UNIPD Supervisor:** Angela Trocino

**Department:** Department of Agronomy, Food, Natural resources, Animals and Environment

**Total Contribution:** euro 3 195 594,00

**Project Duration in months:** 48

**Find out more:** <https://cordis.europa.eu/projects/en>