

# PROJECT OBJECTIVE

Enhancing biodiversity protection, reducing pollution, and promoting sustainable aquaculture in the cross-border area by developing and implementing an innovative algae-based technology that integrates wastewater from recirculating aquaculture systems (RAS) into large-scale algal biomass production and optimized carp feed solutions, thereby improving environmental performance and fish and human health.



**ROMD00586**

## Partnership

LPI – ALEXANDRU IOAN CUZA UNIVERSITY OF  
IASI, (RO)

PP2 – Moldova State University, (MD)

**PILOT PROJECT FOR  
ENVIRONMENTALLY  
FRIENDLY ALGAL  
BIOMASS  
PRODUCTION FOR  
FISH NUTRITION**

**ALGAE4FISHRO-MD**





## PROJECT RESULTS

- 2 Reports on the determination of the physico-chemical parameters of the water in RAS
- 1 Study on optimal nutritional solutions for algae cultivation
- Purchase of specialized laboratory equipment
- Development of New Technologies for Cultivating *Chlorella vulgaris* and *Spirulina platensis* Algae on Wastewater from RAS Fish Growth and Utilization of Algal Biomass
- 1 Report on practical application of intensive algal cultivation methods utilizing RAS wastewater
- 1 comprehensive algal cultivation guide
- 1 Detailed Analysis on the Impact of Algae Utilization in Carp Feeding
- 1 common action plan on cultivation of algae in RAS wastewater and their utilization in aquaculture

**TOTAL BUDGET:** 320.553,55 EUR

**EU FUNDING:** 288.498,18 EUR

**PROJECT START:** 28.05.2025

**PROJECT END:** 27.11.2026

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