

## AT A GLANCE

**TITLE:**

CIPROMED

**CONSORTIUM:**

16 partners

**COORDINATOR:**

Dr Christos I. Rumbos, University of Thessaly (UTH)

**DURATION:**

May 2023-April 2026

**TOTAL BUDGET:**

€ 4,738,918.81

**EU CONTRIBUTION:**

€ 4,054,641.69


**CIPROMED**

 Circular and Inclusive utilisation  
of alternative PROteins in the  
MEDiterranean value chains

### CIPROMED CONSORTIUM

- University of Thessaly (Greece)
- Deutsches Institut für Lebensmitteltechnik e.V. (Germany)
- University of Bologna (Italy)
- University of Turin (Italy)
- Italian National Research Council (Italy)
- Technion -Israel Institute of Technology (Israel)
- Institut für Lebensmittel-und Umweltforschung e.V. (Germany)
- AlgaEnergy S.A.(Spain)
- nextProtein (Tunisia)
- SPAROS (Portugal)
- Flying Spark (Israel)
- AquaBioTech (Malta)
- ELVIZ S.A.(Greece)
- TALOS (Cyprus)
- Stolzenberger Bakery (Germany)
- Green Development and Innovation Association (Morocco)

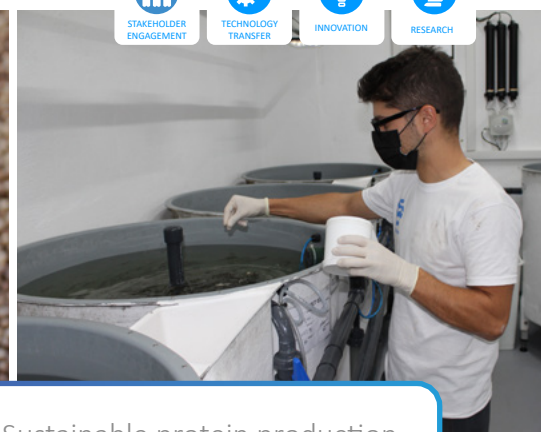
This project has received funding from PRIMA (Partnership for Research and innovation in the Mediterranean area) programme, supported under Horizon 2020.

STAKEHOLDER  
ENGAGEMENTTECHNOLOGY  
TRANSFER

INNOVATION



RESEARCH



- Sustainable protein production
- Mediterranean food safety

## CIPROMED PROJECT

Current European agricultural production systems are heavily dependent on protein imports to cover mainly the nutritional needs of livestock animals and fish. The ability of agricultural production systems to rely on locally produced resources can increase their stability. Most farming systems produce a huge amount of residues and side-streams. CIPROMED aims to apply, validate and scale up an integrated array of processes, recovering a significant amount of proteins from agro-industrial side-streams, protein fractions of insects, microalgae and legume biomass. This project aims to reduce the risk for the Mediterranean countries of being dependent on imported protein sources and increase the stability and resilience of agri-food production systems.



## Objectives of CIPROMED

- Developing protocols for new protein production value chains.
- Assessing protocols for insect rearing and heterotrophic microalgae cultivation.
- Developing the best conditions for the mass production of autotrophic microalgae biomass with a high protein content.
- Assessing the environmental impact and economic implications of the new products and technologies developed.
- Optimising economically and environmentally sustainable extraction of downstream products from legumes, insects, and microalgae.
- Increasing the acceptability of the alternative protein utilisation.
- Strengthening the farming of low-impact species (poultry and fish) and the production of sustainable feeds containing alternative sources of protein.

## AT A GLANCE

**TYPE:**

Research SME

**LOCATION:**

Mosta, MALTA G. C.

**CAPABILITIES:**

R&D / Consultancy / Engineering

**EXPERTISE:**

Aquaculture / Marine Research  
Blue Growth / Aquatic Environment



## Who We Are

**AquaBioTech Group** is an international consulting, engineering and R&D company with over 20 years of experience in aquaculture, fisheries and other aquatic sciences. Located in the center of the Mediterranean on the island of Malta, although operating globally with clients and projects in over fifty-five countries.

The vast majority of the organisation's work is related to the marine or aquatic environment, encompassing aquaculture developments, market research/intelligence through project feasibility assessments, finance acquisition, project management, technology sourcing, technical support and training.



## Our role in the CIPROMED Project

**AquaBioTech Group's** main tasks in the CIPROMED project include:

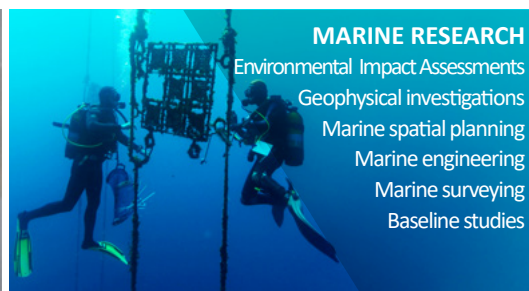
- Conducting feeding trials using diets with pure alternative proteins in their blends
- Assessing digestibility of new feed in in vivo trials
- Formulating compound feeds that cover animal requirements
- Performing challenge tests with relevant pathogens

## Our Research Activities



**AQUACULTURE R&D**

Fish & shellfish hatchery technology  
Health & disease prevention  
Nutraceutical development  
new species development  
Aquatic nutrition research  
Production techniques



**MARINE RESEARCH**

Environmental Impact Assessments  
Geophysical investigations  
Marine spatial planning  
Marine engineering  
Marine surveying  
Baseline studies



**WATER TECHNOLOGIES R&D**

Recirculation Aquaculture Systems  
Aquaponics  
Wastewater treatment  
Energy efficiency  
Sustainability  
Innovation

**AquaBioTech Group**

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