AT A GLANCE

TITLE:
Protein4Impact
CONSORTIUM:
18 partners
COORDINATOR:
CENTRALESUPELEC (FR)

DURATION:
February 2025 – January 2028
MAX. GRANT AMOUNT:
€ 5,273,375
ABTG'S BUDGET:
€ 168,750

protein4impact

Impact of alternative protein sources to improve nutrition

Funded by the European Union

Protein4Impact has received funding from:
HORIZON-CL6-2024-FARM2FORK-01-7, GA number 101182324

Protein4Impact PARTNERS

1. CENTRALESUPELEC (FR) (Coordinator)
2. UNIVERSITAET HOHENHEIM (DE)
3. VENUSROUZES LABSOLUTIONS (BG)
4. UNIWA PANEPISTIMIO DYTIKIS ATTIKIS (EL)
5. NTUA ETHNICON METSOVION POLYTECHNION (EL)
6. UNIVERSIDADE DO MINHO (PT)
7. DANMARKS TEKNISKE UNIVERSITET (DK)
8. ENEA - AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE (IT)
9. CARTIF FUNDACION CARTIF (ES)
10. GOLEM - GESELLSCHAFT FUR INTEGRIERTE MIKROELEKTRONISCHE KOMPLETTLOESUNGEN GMBH (AT)
11. AQUABIOTECH LIMITED (MT)
12. NORDIC DIASPORA FORUM (SE)
13. KYPRIAKOS SYNDESMOS KATANALOTON (CY)
14. GRANT GARANT SRO (CZ)
15. CNR - CONSIGLIO NAZIONALE DELLE RICERCHE (IT)
16. AGRICLIMA CONSULTING AB (SE)
17. IDENER RESEARCH & DEVELOPMENT AGRUPACION DE INTERES ECONOMICO (ES)
18. CONSORZIO PER L'INNOVAZIONE E LA BIOECONOMIA (IT)

Protein4Impact

PROTEIN4IMPACT is an innovative project funded by the Horizon Europe programme, which aims to evaluate the nutritional, health, safety, and environmental impacts of novel protein foods from unconventional sources like agri-food by-products, fungi, bacteria, insects, and (micro and macro) algae.

By optimizing production processes and testing feasibility at industrial scales, PROTEIN4IMPACT seeks to enhance sustainable protein alternatives and assess their acceptance in global markets, supporting a healthier, environmentally friendly food future.

Objectives of Protein4Impact

- Develop and improve alternative proteins into novel food products with enhanced quality.
- Simulate industrial-scale protein production scenarios for economic and regional evaluation.
- Explore market potential of alternative protein sources aligned with Farm to Fork strategy.
- Assess social impact, consumer acceptance, and cultural relevance of alternative proteins.
- Evaluate environmental benefits, risks, and trade-offs of alternative proteins for sustainable diets.
- Manage and share project data following FAIR principles and integrate with EOSC.

www.aquabt.com

AT A GLANCE

TYPE:
Research SME

LOCATION:
Mosta, MALTA G. C.

CAPABILITIES:
R&D / Consultancy / Engineering

EXPERTISE:
Aquaculture / Marine Research
Blue Growth / Aquatic Environment

AquaBioTech Group

Who We Are

AquaBioTech Group is an international consulting, engineering and R&D company with over 25 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.

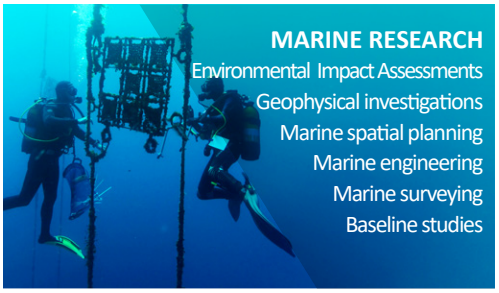
The vast majority of the organisation's work is related to the marine or aquatic environment, encompassing aquaculture developments, market research/intelligence through project feasibility assessments, finance acquisition, project management, technology sourcing, technical support and training.

Our Role in the Protein4Impact Project

AquaBioTech Group will lead Task 3.6: Development and testing of fish feeds using alternative proteins. We will test selected proteins as novel feed ingredients for aquaculture performing feed trials at semi-industrial scale in recirculating aquaculture system (RAS). We will analyse Growth Performance of fish fed with different formulations developed within the project. We'll assess weight gain, feed conversion rate, and overall fish health, including the impact on gut microbiota, to investigate the effect of novel protein incorporation in aquafeeds.

The impact on water quality in RAS will also be determined to ensure the compliance with the 'do no significant harm' principle. The efficiency of water reuse in RAS will be quantified, verifying compliance with the capability to reuse up to 90% of water and evaluating the reduction of the environmental impact resulting from this water management approach.

Our Research Activities



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