

AT A GLANCE

TITLE:

Biotechnologies for Human Health and Blue Growth

CONSORTIUM:

6 partners

COORDINATOR:

Università degli Studi di Palermo, Italy

PROGRAMME:

Cooperation Programme INTERREG V-A Italy- Malta

DURATION:

1st of June 2018 – 31st of May 2021

TOTAL COST:

€ 2,371,592

EU CONTRIBUTION:

€ 1,828,681

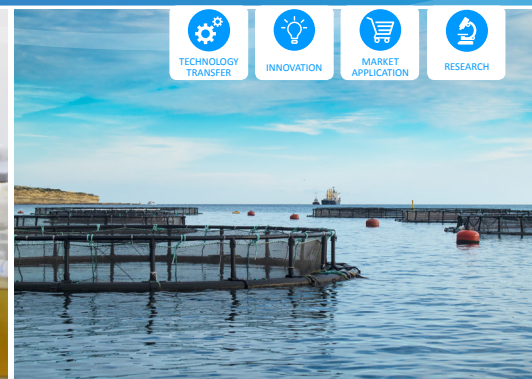
The BYTHOS project has received funding from the European Union's INTERREG V-A Italy-Malta Programme 2014-2020 under project code C1-1.1-9



Biotechnologies for Human Health and Blue Growth

BYTHOS PARTNERS

- 1 Università degli Studi di Palermo (Italy)
- 2 Comune di Lipari (Italy)
- 3 Distretto Turistico Pescaturismo e Cultura del Mare (Italy)
- 4 University of Malta (Malta)
- 5 Ministry for the Environment, Sustainable Development and Climate Change (Malta)
- 6 AquaBioTech Limited (Malta)



BYTHOS

The main objective of BYTHOS is the creation of a joint lab space in Sicily and Malta where researchers and experts in biotechnology, business and industry will come together increasing synergic action between academia and enterprise. The lab will provide technologies, tools and expert skills in order to increase investment in innovation and biotechnology research for human health and blue growth.

Through the creation of a joint lab in the two areas, the project aims to develop products using bioactive molecule (BAM) extracted from fish waste and use the remaining part to produce eco-innovation fish feed, contributing to achieve a zero waste.

- Promoting synergy between research and business sector
- Produce bioactive molecule-based (BAM) based products from fish waste for the human health sector
- Obtain zero-waste in the fishery and food services sector



Objectives of Bythos

- Set up a joint lab with 'spaces' in Malta and Sicily where academia and industries can meet to promote integration between research and enterprise.
- Define biotechnology procedures for the production and commercial exploitation of a range of innovative, stakeholder-driven products for human health sourced from fish waste.
- Contribute to generating jobs and business opportunities and increase investment in research and innovation in the economies of Sicily and Malta.
- Minimize the quantity of fish waste from the fishing sector and food service sector zero waste.

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TYPE:

Research SME

LOCATION:

Mosta, MALTA G. C.

CAPABILITIES:

R&D / Consultancy / Innovation

EXPERTISE:

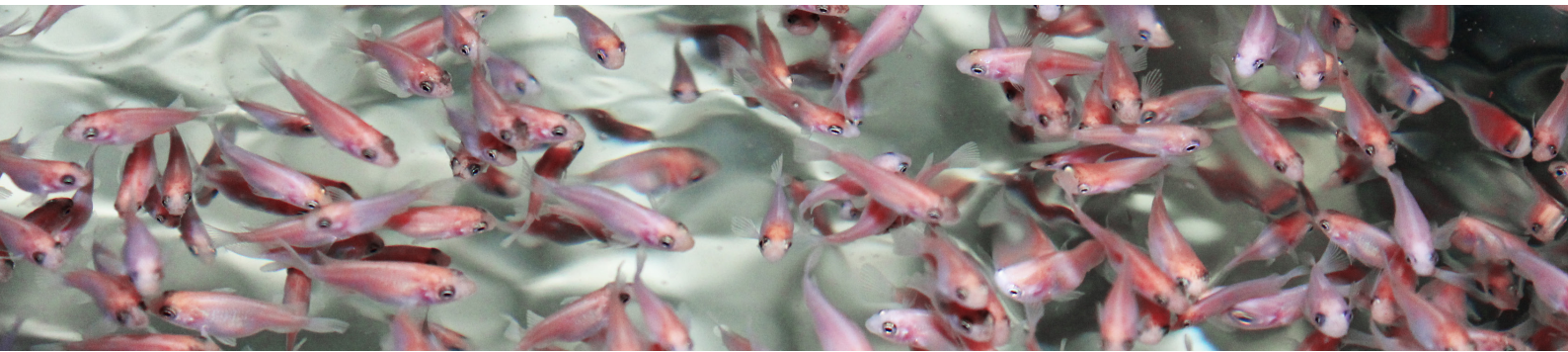
Aquaculture / Marine Research
Blue Growth / Aquatic Environment



Who we Are

AquaBioTech Group is an international aquaculture and fisheries consulting company strategically located in the Mediterranean, on the island of Malta. It operates globally, with clients and projects in over fifty-five countries. Staff are recruited from across the globe, enabling communication with clients in thirteen languages.

AquaBioTech Group undertakes a variety of aquaculture, fisheries, marine surveying, aquatic environmental, financial, and technical projects, performed with its selected, worldwide partners.



Our role in the Bythos project

AquaBioTech Group's main tasks within the Bythos project include:

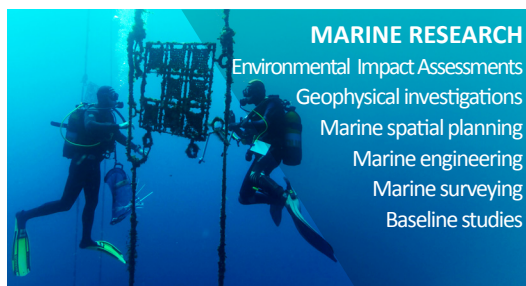
- Use fish waste for the production of eco-innovation fish feed formulations to achieve zero waste
- Test the quality of the eco-innovation fish feed produced on farmed fish species in our aquaculture facilities
- Provide a market analysis to ensure the sustainability of the commercial exploitation of the eco-innovation fish feed

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 / hydroponics
Wastewater treatment
Energy efficiency
Sustainability
Innovation

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