

## AT A GLANCE

### TITLE:

ActFast

### CONSORTIUM:

31 partners

### COORDINATOR:

ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA (IT)

### DURATION:

June 2025 – May 2029

### MAX. GRANT AMOUNT:

€ 5,060,047.50

### ABTG'S BUDGET:

€ 169,899.80



Actions for Climate Transition by  
developing Future Aquaculture Strategies  
and Technologies

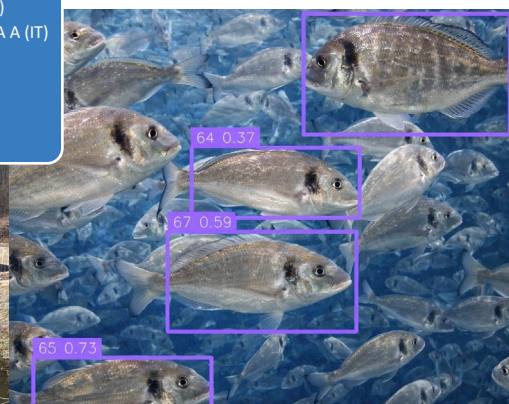
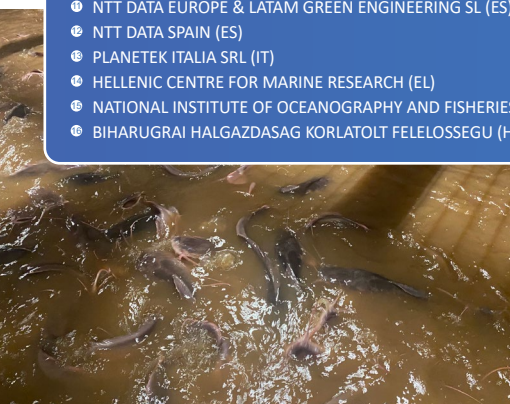


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the European Union

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### ActFast PARTNERS

- ① ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA (IT) (Coordinator)
- ② FEDERATION EUROPEENNE DES PRODUCTEURS AQUACULTURE (FR)
- ③ AQUABIOTECH LIMITED (MT)
- ④ NOFIMA AS (NO)
- ⑤ INSTITUT DE RECERCA I TECNOLOGIA AGROALIMENTARI (ES)
- ⑥ ACONDICIONAMIENTO TARRASENSE ASSOCIACION (ES)
- ⑦ FUNDACION AZTI (ES)
- ⑧ CENTRE INTERNATIONAL DE HAUTES ETUDES AGRONOMIE (FR)
- ⑨ MEDITERRANEAN AGRONOMIC INSTITUTE OF ZARAGOZA / INTERNAT (ES)
- ⑩ CENTRO INTERNAZIONALE DI ALTISTUDI AGRONOMICI (IT)
- ⑪ NTT DATA EUROPE & LATAM GREEN ENGINEERING SL (ES)
- ⑫ NTT DATA SPAIN (ES)
- ⑬ PLANETEK ITALIA SRL (IT)
- ⑭ HELLENIC CENTRE FOR MARINE RESEARCH (EL)
- ⑮ NATIONAL INSTITUTE OF OCEANOGRAPHY AND FISHERIES (EG)
- ⑯ BIHARUGRAI HALGAZDASAG KORLATOLT FELELOSSEGU (HU)
- ⑰ BIHARUGRAI HALGAZDASAG KORLATOLT FELELOSSEGU (HU)
- ⑱ PHILOSOFISH ANONYMI ETAREIA (EL)
- ⑲ G20 STORITVE DOO (SL)
- ⑳ NATUREDULIS S.R.L. (IT)
- ㉑ BENCHMARK GENETICS NORWAY AS (NO)
- ㉒ SKRETETING AQUACULTURE RESEARCH CENTRE AS (NO)
- ㉓ FEPROMODEL (ES)
- ㉔ KOZEP ES KE LET EUROPAI AKVAKULTURAKOZPONTOK EG (HU)
- ㉕ INNOVA SRL (IT)
- ㉖ SLIM GANA SUARL (Tunisia)
- ㉗ CROMARIS DIONICKO DRUSTVO ZA MARIKULTURU (HR)
- ㉘ ISTITUTO SUPERIORE PER LA PROTEZIONE E LA RICERCA A (IT)
- ㉙ GARANT - TIERNÄHRUNG GESELLSCHAFT MBH (AT)
- ㉚ WATER INSTITUTE - H2O SCITECH (PL)
- ㉛ MAGYAR AGRAR- ES ELETTUDOMANYI EGYETEM (HU)



## ActFast

ActFast is dedicated to identifying, validating, and demonstrating climate change adaptation and mitigation solutions tailored for European aquaculture. ActFast's mission is to help European aquaculture thrive in the face of climate change.

By combining climate intelligence, innovative feeds, health solutions, and circular farming systems, we empower aquafarmers to build resilient, sustainable, and low-carbon production that supports communities, protects ecosystems, and strengthens Europe's food security.



## Objectives of Protein4Impact

- Develop AI predictive tools on climate analyses to implement adaptive strategies that safeguard aquaculture production and infrastructure against environmental challenges.
- Improve the productive efficiency, health, and well-being of fish and molluscs afflicted by the climate change effects.
- Increase and diversify production in coastal and rural areas and reduce environmental footprint, by developing inland Freshwater Integrated Multi-Trophic Aquaculture (F-IMTA) and Marine IMTA systems and exploiting warmer winter to accelerate carp growth.
- Shrink the carbon footprint of European aquaculture by formulating and demonstrated novel, targeted diets enhancing feed efficiency, sustainability, and productivity in seabass, salmon and carp, and identify circular opportunities to enhance climate resilience within the planned ActFast actions



## AT A GLANCE

**TYPE:**

Research SME

**LOCATION:**

Mosta, MALTA G. C.

**CAPABILITIES:**

R&D / Consultancy / Engineering

**EXPERTISE:**

Aquaculture / Marine Research

Blue Growth / Aquatic Environment

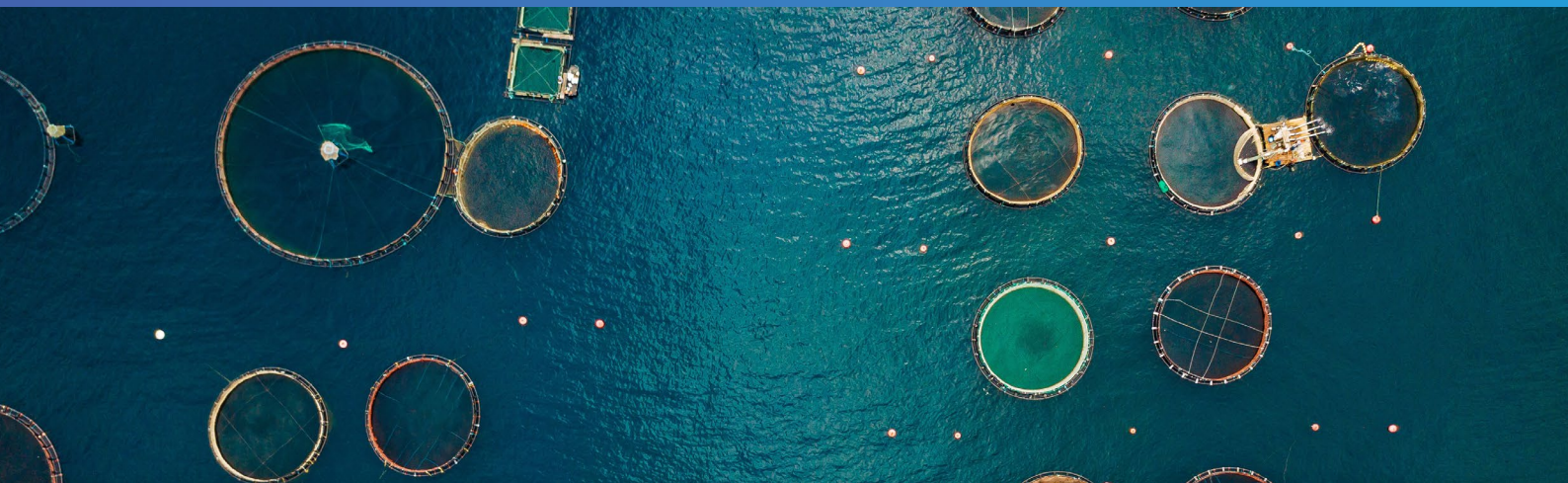


**AquaBioTech Group**

## 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 ActFast Project

AquaBioTech Group leads two tasks:

**Task 2.3:** Develop the use of AI-Driven cameras to detect fish behaviour and predict climate-related health issues in seabass.

**Task 4.2:** Developing and optimizing a freshwater IMTA system to produce trout, carp, African catfish and duckweed

## 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



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**Contact**

+356 2258 4100

info@aquabt.com

www.aquabt.com

AquabioTech Group

Central Complex  
Naggar Street  
Targa Gap, Mosta  
MST 1761  
Malta G.C.