

AT A GLANCE

TITLE:
ActFast
CONSORTIUM:
31 partners
COORDINATOR:
ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA (IT)

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June 2025 – May 2029
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€ 5,060,047.50
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€ 169,899.80



Actions for Climate Transition by
developing Future Aquaculture Strategies
and Technologies

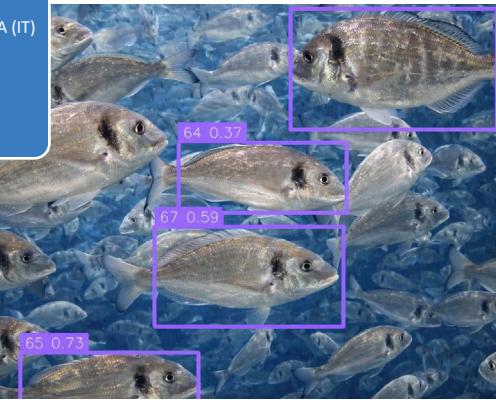


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ActFast PARTNERS

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- ③ AQUABIOTECH LIMITED (MT)
- ④ NOFIMA AS (NO)
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- ㉚ WATER INSTITUTE - H2O SCITECH (PL)
- ㉛ MAGYAR AGRAR- ES ELETTUDOMANYI EGYESUM (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 demonstrating 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



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TYPE:
Research SME

LOCATION:
Mosta, MALTA G. C.

CAPABILITIES:
R&D / Consultancy / Engineering

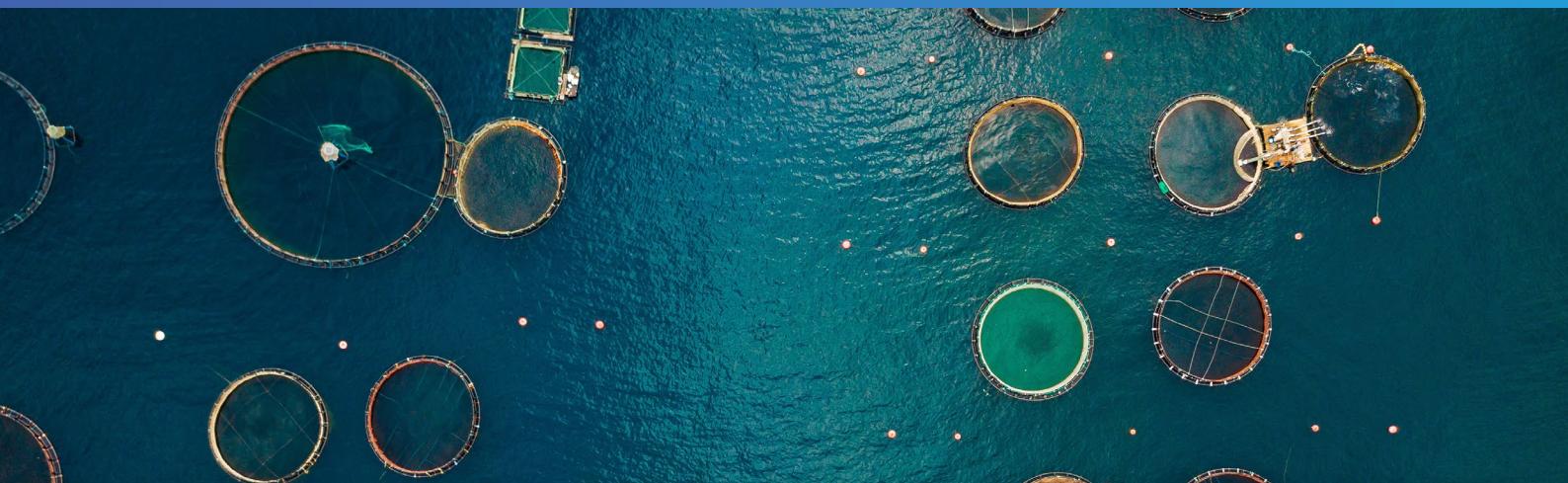
EXPERTISE:
Aquaculture / Marine Research
Blue Growth / Aquatic Environment



Who We Are

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



AquaBioTech Group

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