

## AT A GLANCE

**TITLE:**  
SEAGROW

**CONSORTIUM:**  
7 partners

**COORDINATOR:**  
Oir na Farraise Teoranta - Ireland

**DURATION:**  
October 2025 – 31<sup>st</sup> September 2028

**MAX. GRANT AMOUNT:**  
€ 1,427,742.73

**ABTG'S BUDGET:**  
€ 56,179.28

# SEAGROW

Seaweed in Ecosystem Enhancing  
Aquaculture for Growth and Sustainability

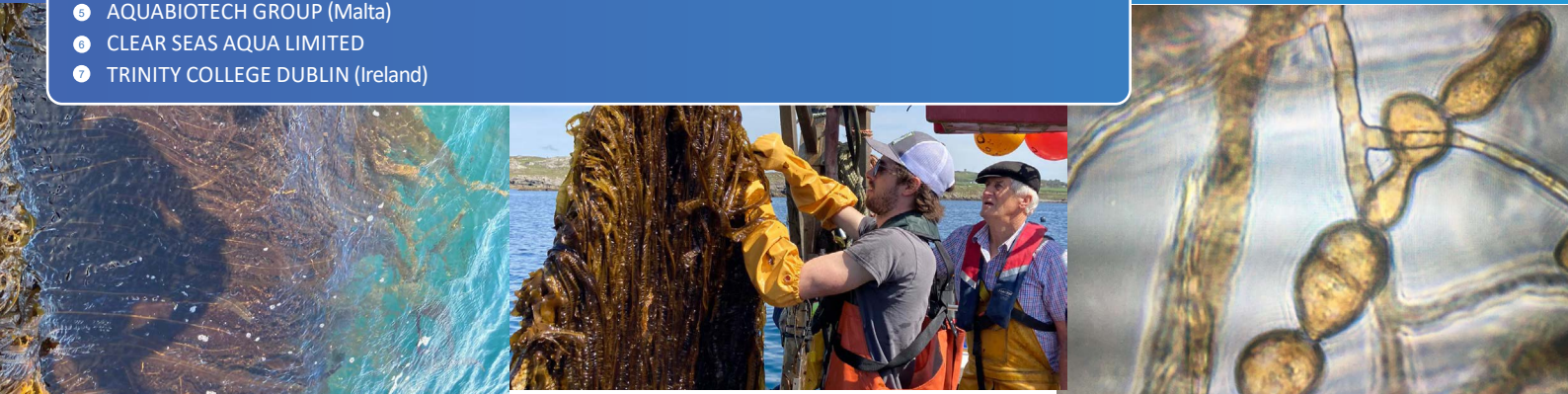


Co-funded by  
the European Union

SEAGROW has received funding from: European Maritime, Fisheries and Aquaculture Fund (EMFAF), GA number 101241416

### SEAGROW PARTNERS

- 1 OIR NA FARRAIGE TEORANTA (Coordinator) (Ireland)
- 2 ASSOCIACAO PARA O DESENVOLVIMENTO DO ATLANTIC INTERNATIONAL RESEARCH CENTRE (Portugal)
- 3 DRAGOZET ALEKSANDRA (SEA GOING GREEN) (Netherlands)
- 4 FONDATSIA VIA PONTICA (Bulgaria)
- 5 AQUABIOTECH GROUP (Malta)
- 6 CLEAR SEAS AQUA LIMITED
- 7 TRINITY COLLEGE DUBLIN (Ireland)



## SEAGROW

SEAGROW is aimed at demonstrating how large-scale regenerative ocean farming can work as a viable business model delivering measurable ecosystem benefits. The partners are deploying an innovative seaweed farming system in Ireland, delivering ecosystem benefits assessed by Trinity College Dublin. Changes in water nutrients and biodiversity due to Regenerative Ocean Farming (ROF) will be investigated to investigate its sustainability and the ecosystem service provided. An Integrated Multi-Trophic Aquaculture (IMTA) test site will also evaluate interactions between seaweed and scallop farming.

The project aims at de-risking the full-scale development of a farm that will be completed by 2031 and will produce 5,000 tonnes of seaweed per year. SEAGROW wants to drive ROF sector growth through key outputs, including ROF standard operating and ecosystem assessment protocols. The project includes the development of an ecosystem credits system, and an assessment of ROF compatibility with Marine Protected Areas (MPAs). These will provide policy decision support and recommendations for enhanced ROF, and an EU market development strategy.

## Objectives of SEAGROW

- Develop, deploy, operate and harvest a regenerative seaweed farm in Ireland.
- Develop feasibility study for regenerative aquaculture pilot in the Black Sea.
- Design, deploy and operate a combined seaweed and shellfish IMTA test site in Ireland.
- Identify and quantify the impacts (positive and negative) of seaweed farming on the diversity and functioning of coastal ecosystems.
- Quantify the role of seaweed farming on coastal carbon and nutrient dynamics.
- Design a standardised ecological impact assessment methodology.
- Develop a decision support tool for assessing potential carbon sequestration and nutrient uptake by seaweed farms.
- Support the business case for ROF through market development strategies.
- Assess regulatory barriers to ROF including viability of colocation within Marine Protected Areas.
- Promote entrepreneurship in the regenerative ocean farming community.
- Provide feedback to policymakers to develop regenerative ocean farming in Europe.
- Develop a labelling system (ecolabelling) based on these new metrics to promote seaweed cultivation and its benefits.

## 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 SEAGROW

AquaBioTech Group will carry out the Life Cycle Assessment of the farm in Ireland and will assess the policy barrier with a special focus on Mediterranean Countries.

## 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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