

AT A GLANCE

TITLE:

PRACTI-RAS : Practical Training for aquaculture educators in recirculating aquaculture systems

CONSORTIUM:

2 partners

COORDINATOR:

AquaBioTech Group (ABT)

DURATION:

May 2022- October 2023

TOTAL BUDGET:

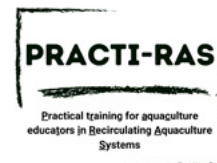
€ 60,000

TOTAL CONTRIBUTION:

€ 60,000

ABTG BUDGET:

€37,100



ERASMUS+ Partnerships for cooperation and exchanges of practices: Small-scale partnerships in vocational education and training

Project PRACTI-RAS Co-funded by the Erasmus+ Programme of the European Union
Project Reference: 2021-2-MT01-KA210-VET-000048404



PRACTI-RAS

There is a need to close the gap between traditional aquaculture vocational education and training (VET) and the rapidly changing needs of aquaculture industry. RAS has already become a key technology in the European aquaculture industry, both for current and novel species, and RAS facilities require that their staff to hold a different skill set compared to traditional aquaculture technologies. To ensure the industry members of the future have the most relevant training it is vital to first train their teachers in the new RAS advancements.

The PRACTI-RAS objective is to deliver an intensive and specific pilot e-training and onsite program in Recirculating Aquaculture Systems (RAS) to 'train-the-teacher'. Target beneficiaries will gain competencies in innovative digital and land-based Recirculating Aquaculture System technology, ensuring teacher, trainer, and student skills match the needs of changing labour market. Unlike courses currently offered by universities and private consulting firms, PRACTI-RAS course will be specific to RAS aquaculture and will be conducted primarily on-site at a RAS specialist company. It will be taught by the same personnel who design, produce and operate commercial and research RAS designs. This provides the most up-to-date knowledge and connects learners directly with industry for an integrated experience.

Objectives of PRACTI-RAS

- Adapt vocational education and training to labour market needs in RAS Aquaculture, overcoming skills mismatch and addressing the needs of the labour market through cooperation between educational institutions and business.
- Contribute to innovation in vocational education and training in aquaculture and make RAS courses more accessible to VET students and early career professionals.
- Increase the flexibility of opportunities in vocational education and training for local, European, and international students through developing continuous training for VET teachers, trainers and other education staff.

AT A GLANCE

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 20 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 PRACTI-RAS Project

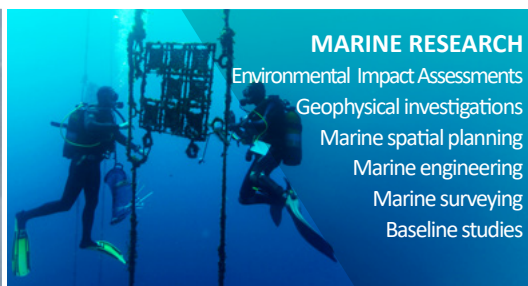
- Lead the project as project coordinator.
- Create theoretical and hands-on training modules in specific RAS technologies and their uses in production and research.
- Deliver 8 hours of self paced online content and a 5 day intensive training hosted at ABT Innovia for the benefit of Val Skoler AS educational institution teachers. The course content will be developed by RAS engineers, fish health experts, and water quality specialists.
- Disseminate the action and promote the course to reach future participants.

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