

AT A GLANCE

TITLE:

PrAectiCe

CONSORTIUM:

16 partners

COORDINATOR:

Hochschule Karlsruhe (Germany)

DURATION:

November 2022 – May 2026

TOTAL BUDGET:

€ 6,985,277

EU CONTRIBUTION:

€ 6,985,277



Potentials of Agro-ecological practices in East Africa with a focus on Circular water-energy-nutrient systems.

PrAectiCe CONSORTIUM

- 1 Hochschule Karlsruhe (Germany)
- 2 Steinbeis ZI GMBH (Germany)
- 3 AquaBioTech Group (Malta)
- 4 Prototipi Ltd (Nigeria)
- 5 Gotteborgs University (Sweden)
- 6 Makerere University (Uganda)
- 7 Uganda Martyrs University (Uganda)
- 8 Univerza v Mariboru (Slovenia)
- 9 Ministry of Agriculture, Livestock and Fisheries (Kenya)
- 10 Regional Universities Forum for Capacity Building in Agriculture (Uganda)
- 11 National Agricultural Research Organization (Uganda)
- 12 Maseno University (Kenya)
- 13 Sustainable Agriculture Tanzania (Tanzania)
- 14 AQUAGRI (Portugal)
- 15 Alliance for Food Sovereignty in Africa (Uganda)
- 16 Africa Agribusiness Academy (Kenya)

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PrAectiCe

PrAectiCe will provide a novel Agro-Ecology indicator set for East Africa, aimed at helping smallholder farmers in their agro-ecological transition. The project goes beyond the existing indicator frameworks by putting the “concept into action” with a decision support tool for Agro-Ecology advisors supporting the selection of the best suited combination of agro-ecological farming practices in a local context. In addition, it puts a focus on circular water-energy-nutrient systems of integrated aqua-agriculture, an agroecological practice with high potential for efficient farming with minimal climate impacts, which has not been sufficiently explored in previous indicator work.

Objectives of PrAectiCe

- Mapping and profiling of best existing agroecological (AE) practices in different climatic zones in East Africa
- Identification of existing barriers and drivers on farm, national and regional level to define transition pathways and strategies to further develop existing AE practices.
- Creating an agroecological indicator framework that covers integrated aqua-agriculture - PrAectiCe indicator framework
- Developing a decision support tool for identifying best agroecological practices
- To validate the decision support tool on integrated aqua-agriculture systems through three living labs in different climate zones in East Africa based on a water-energy-nutrient nexus circular approach
- Awareness raising, capacity building and knowledge transfer on Agro-Ecology in East Africa, - strengthening transdisciplinary research and integrated scientific support for relevant AU and EU policies and priorities
- Increasing opportunities for women and youth due to tailored training opportunities and business models

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 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 PrAEctiCe project

AquaBioTech Group’s main tasks in the PrAEctiCe project include:

- Assist and support in the development of the three integrated aqua-agriculture living labs in Kenya, Uganda (Aquaponics) and Tanzania
- Stakeholder mapping and co-creation activities
- Leading the mapping of integrated aqua-agriculture in East Africa
- Leading the installation and operation of smart sensors for integrated aquaculture/aquaponics management

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

Contact

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