

INTERREG NEXT BSB 2021-2027 · BLUE AND SMART REGION

Smart Aqua Farming e-AQUAF

Joint solutions for sustainable, eco-friendly fisheries and aquaculture in the Black Sea Basin, using innovative technologies, AI and cross-border cooperation to reduce regional disparities.

SPECIFIC OBJECTIVE

RSO1.1 · Developing and enhancing research and innovation capacities and the uptake of advanced technologies

MAIN ACTIVITIES

- 1 Report on previous EU aquaculture projects** and an AI-powered partner and capitalisation recommendation system.
- 2 Market research study** on opportunities and risks of technological advancement in Black Sea aquaculture.
- 3 Mapping of aquaculture stakeholders** and a joint knowledge and policy framework for cross-border cooperation.
- 4 AQUA-SMART portal:** an open-source AI portal for Black Sea aquaculture with GIS and analytics.
- 5 e-aquaculture monitoring stations:** real-time environmental data for sustainable, high-quality operations.
- 6 Distance School of Aquaculture,** plus a joint scientific conference and publication.

EXPECTED OUTPUTS

1

jointly developed solution: the AQUA-SMART portal

1

joint pilot action: monitoring stations deployed

6

organisations cooperating across borders

PARTNERSHIP



Danube Delta National Institute for R&D (DDNI), Tulcea, Romania

LEAD



International Center for Agribusiness Research and Education (ICARE), Armenia



Institute for Youth Initiatives and Innovations (IYII), Bulgaria



Re:Invent Education NGO (RIE), Thessaloniki, Greece



Shota Rustaveli State University (BSU), Batumi, Georgia



Ukrainian Association of Business Support Centers (UABSC), Mykolaiv, Ukraine

PROJECT TITLE

Smart Aqua Farming (e-AQUAF) · BSB01009

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PARTNERS DDNI (RO) ICARE (AM) IYII (BG) Re:Invent Education (GR) BSU (GE) UABSC (UA)

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INTERREG NEXT BLACK SEA BASIN
2021-2027

Smart Aqua Farming

e-AQUAF

Observatory of Aquaculture of the Black Sea:
an open, AI-powered hub for sustainable
aquaculture, water quality and partner
intelligence across eight countries.

185+

projects indexed

8

partner countries

24/7

real-time monitoring



AI Partner Matching

Describe your idea; get ranked
consortium partners with explained
scores.



Capitalisation Search

Find past Black Sea Basin projects
worth building on and draft the
paragraph.



Real-Time Monitoring

Seven water quality parameters from
stations and Copernicus Marine, on a
GIS map and open API.



Partner Directory & Network

Profiles, projects library, network
graph and funding analytics.

PROJECT PARTNERS

 **DDNI Tulcea**

 **ICARE Yerevan**

 **IYII Bulgaria**

 **Re:Invent
Education**

 **BSU Batumi**

 **UABSC Mykolaiv**

VISIT THE OBSERVATORY

eaquaf.eu

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