



TO DEVELOP, PROMOTE AND SUPPORT THE CONCEPT OF CIRCULAR AQUACULTURE

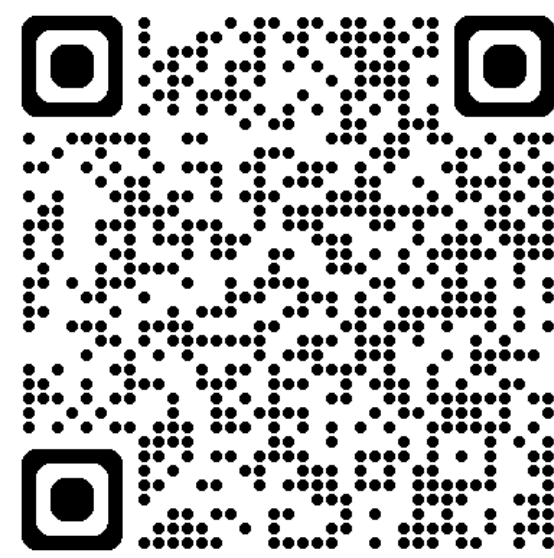
WHY AQUALOOP?

Due to effective feed conversion ratios (FCR), food from **aquaculture is seen as the most promising and resource efficient source of healthy protein and lipids** (omega-3 fatty acids) that will contribute to feeding the ever-expanding global population.

Worldwide aquaculture production is increasing at an impressive rate, but not in the **South Baltic region**, due to environmental, legal, economic and social restrictions. The present state of aquaculture production in the South Baltic region will continue to permit the expansion of non-sustainable fish production in other parts of the world, unless new production methods that support **circular economy and blue biotechnology** are broadly adopted.

PURPOSE: The objective of the Aqualoop project is **to develop, promote, and support the concept of circular aquaculture in the South Baltic region** for the green transition, with a focus on **nutrient loop containment with by-products production** towards responsible consumption.

SOLUTION: The foreseen actions are designed **to develop and showcase original, innovative solutions, prepare present and future employees, business sector and customers for the circular aquaculture**. The collaboration of universities, municipalities, associations and SMEs reflects the strong interest and **link between research, education, awareness raising and application** in industry. This partnership is essential in developing and implementing a **circular economy-based practices**.



Circular aquaculture South Baltic pilots

Cooperation with partners and joint development of tailored solutions for boosting human resource capacities through the development of **3 cross border pilots**, testing innovative methods and tools, demonstrations and communication.



University of Gdańsk, TARAS facilities

Pilot 1: Testing Algae Applications in Recirculating aquaculture systems (RAS) to improve aquaculture circularity potential in the SB region



University of Rostock, NEMATIC facilities

Pilot 2: Increasing the nutrient efficiency of commercial aquaculture through increased application of circular economy concepts



Klaipeda University, FISHVISA facilities

Pilot 3: Development of the Fish-Shrimp-Vegetables integrated system of aquaponics to showcase the potential of circular economy principles in RAS

Stakeholders

school youth, students, public authorities, policy makers, professionals: *farmers, fish-farmers, aquatic animal breeders, aquaculture enterprises, bioeconomy enterprises, fish feed enterprises... YOU!*

Partners

LP University of Rostock, DE, University of Gdańsk, PL, Klaipeda University, LT, Gulborgsund Municipality, DK, Fish Market Development Association, PL, Scandinavian Aquasystems AB, SE, VKST, DK

Associated partners

Polish Trout Breeder Association, PL, Danish Aquaculture, DK, Nutrition and Food Part of Bioenergie Lüchow, GmbH & Co. KG, DE, Aquafarm Lübesse GmbH & Co. KG, DE, Förde Garnelen GmbH, DE, Association Klaipeda Region, LT, Active Youth, LT, Association Modern Aquaculture, LT



Circular aquaculture training pool

Training activities for **school youth, students and professionals** in innovative aquaculture methods, **exchanging knowledge and experience** related to human resource capacities for the circular aquaculture sector.



Program participants at the University of Gdańsk and Klaipeda University

AquaLoop Cross-Border Student Exchange Program



Program participants at the University of Rostock and University of Gdańsk



Circular aquaculture stakeholder support

Investigating **best practices**, experiencing the **cross-sector cooperation** possibilities and forming **international networks** with organizations pursuing the same mission.



AquaLoop study visits and meetings



AquaLoop workshops and consultations



Showcasing & raising awareness on sustainable food production

Photos credit: AquaLoop partners and associated partners

Interreg



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