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THE CHALLENGE

One of the main challenges for the aquaculture sector is efficient and sustainable resource management. In recent years, two areas have gained special attention—water and energy efficiency—both essential elements for aquaculture management. Using water and energy resources efficiently, while pursuing technological innovation and high-quality education, can develop a sustainable aquaculture sector. Moreover, sustainable aquaculture requires ongoing human resource development and capacity building in terms of water and energy management, particularly for remote-based learners.

PROJECT OBJECTIVES

EWEAS aims to improve water and energy efficiency in aquaculture facilities through improved management practices and use of environmentally safe and cost-effective solutions. To achieve this, **EWEAS** will create a new training course designed to upskill aquaculture workers with the knowledge and skills to reduce excessive water and energy consumption, minimise ecological footprint, understand the different concepts of energy usage costs, and perform self-assessment by 'learning from doing'.

The e-learning training tool that **EWEAS** will deliver is free-to-use and will facilitate the exchange of good practices among aquaculture professionals, who often work in remote areas, making face-to-face training more difficult.

AT A GLANCE

PROGRAMME: ERASMUS+ (2014-2020)

KEY ACTION: Cooperation for Innovation and the Exchange of Good Practices

ACTION: Strategic Partnerships

TOTAL BUDGET: €264,459

DURATION: December 2018 - May 2021
(30 months)

COORDINATOR: SGS Tecnos, Spain

CONSORTIUM: 5 Partners from 5 Countries:
Spain, Italy, Latvia, Slovenia and Ireland



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EXPECTED RESULTS

The **EWEAS** project is expected to significantly contribute towards a sustainable and more competitive European aquaculture sector at local, regional, national and multi-national level. The project is designed to improve knowledge on efficient use of resources, reduce water and energy consumption, minimise environmental impacts at fish farm facilities, and improve the overall sustainability and competitiveness of the sector in Europe.



CONTRIBUTION TO SUSTAINABLE DEVELOPMENT GOALS

Efficient use of natural resources is at the centre of sustainable development worldwide. The **EWEAS** project is expected to contribute to 7 of the 17 UN Sustainable Development Goals (SDGs); **Zero Hunger**, **Quality Education**, **Industry, Innovation & Infrastructure**, **Responsible Consumption & Production**, **Climate Action**, **Life Below Water** and **Partnership for the Goals**.

In particular, the project addresses sustainable practices directly linked to the operational and educational component of fish farming activities. **EWEAS** aims to train aquaculture workers through the development of an innovative e-learning platform which will help them develop practical skills for operating and managing fish farm systems in an efficient and sustainable way.

CONSORTIUM

- 1 **SGS (Madrid, Spain)**
- 2 **API (Verona, Italy)**
- 3 **BEFO (Riga, Latvia)**
- 4 **KGZS - Zavod KR (Kranj, Slovenia)**
- 5 **AquaTT (Dublin, Ireland)**



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