

AQUAculture infrastructures for EXCELlence in European fish research 3.0



FISH
RESEARCH



SHELLFISH
RESEARCH



MACROALGAE
RESEARCH



TRANSNATIONAL
ACCESS



NETWORKING
ACTIVITIES

AT A GLANCE

PROGRAMME: European Union Horizon 2020

TYPE OF ACTION: Research and Innovation Action

DURATION: November 2020 – October 2025 (60 months)

COORDINATOR: Institut national de recherche pour l'agriculture, l'alimentation et l'environnement (INRAE), France

CONSORTIUM: 22 partners in 13 countries

TOTAL BUDGET: €9.9 Million

THE CHALLENGE

Aquaculture now provides over half of seafood for human consumption worldwide. The sector continues to grow annually to meet global demand, and is the fastest growing animal production sector. However, within the EU, aquaculture production is still lagging, with a high dependency on imported fish remaining. Shifting consumer preferences, growing welfare concerns, new standards, and climate change are also affecting the industry. The sector's sustainable growth can only be achieved through efficient and responsible production of high-value fish products. For the EU to maintain its global leadership in aquaculture research and sustainable development of the sector, better translation of research excellence into innovation and industrial growth is needed.

PROJECT OBJECTIVES

AQUAEXCEL3.0 aims to further boost the EU aquaculture sector by expanding the Transnational Access programme to support more external research teams collaborating with its high-quality facilities, providing free training courses on the latest topics and ensuring research is aligned with industry needs. **AQUAEXCEL3.0** builds on the previous **AQUAEXCEL** (FP7) and **AQUAEXCEL²⁰²⁰** (H2020) projects and aims to develop new tools to keep pace with rapid scientific development and add value to existing tools and resources to benefit all users. It continues to have fish as its main target, but also includes shellfish, macroalgae, marine worm and insect research to push towards lower trophic level aquaculture.

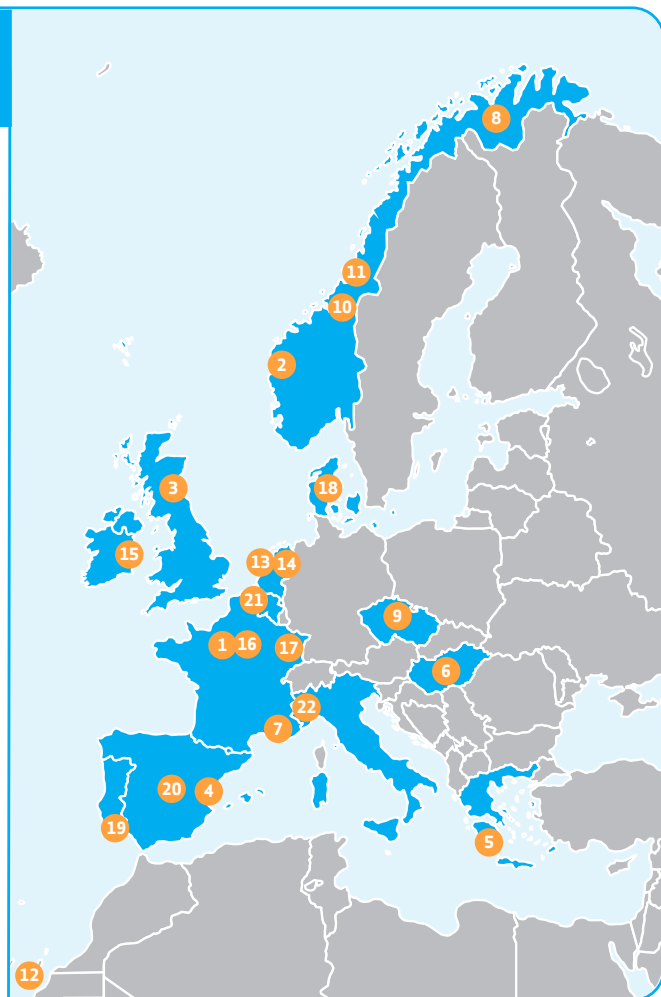
EXPECTED RESULTS

- ✓ Online portal providing information on project results which will integrate and harmonize access to 40 top class Research Infrastructure resources.
- ✓ Facilitate up to 200 Transnational Access projects which will consolidate the global leadership of EU aquaculture research.
- ✓ Partnership with the EU aquaculture industry to boost research and advance the EATiP Strategic Research agenda.
- ✓ Technician mobility programme to support Research Infrastructure managers and technicians.
- ✓ Further develop awareness of Research Infrastructures as innovation tools for the aquaculture sector.
- ✓ A laboratory to simulate aquaculture experiments *in silico*.
- ✓ Innovative experimental models using the latest biotechnologies.
- ✓ New procedures to monitor and improve experimental fish welfare.
- ✓ Four free distance learning training courses based on new key results and knowledge from the latest innovative aquaculture results.
- ✓ Industry brokerage events to transfer results from a variety of Transnational Access research projects.

CONSORTIUM

The consortium comprises 22 partners based in 13 European countries, who are considered leaders in their respective domains of expertise.

- 1 Institut national de recherche pour l'agriculture, l'alimentation et l'environnement (INRAE)
- 2 Havforskningsinstituttet (IMR)
- 3 The University of Stirling (UoS)
- 4 Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC)
- 5 Hellenic Centre for Marine Research (HCMR)
- 6 Hungarian University of Agriculture and Life Sciences (HAKI)
- 7 Institut Français de Recherche pour l'Exploitation de la Mer (Ifremer)
- 8 Nofima AS (NOFIMA)
- 9 Jihočeská univerzita v Českých Budějovicích (JU)
- 10 Norges Teknisk-Naturvitenskapelige Universitet (NTNU)
- 11 SINTEF OCEAN AS (SO)
- 12 Universidad de Las Palmas de Gran Canaria (ULPGC)
- 13 Wageningen University (WU)
- 14 Stichting Wageningen Research (WR)
- 15 ERINN Innovation Limited (ERINN)
- 16 INRA Transfert S.A. (IT)
- 17 Université de Lorraine (UL)
- 18 Danmarks Tekniske Universitet (DTU)
- 19 Centro de Ciências do Mar do Algarve (CCMAR)
- 20 Instituto Español de Oceanografía (IEO)
- 21 European Aquaculture Technology and Innovation Platform (EATiP)
- 22 Università Degli Studi Di Torino (UNITO)



CONTACT US

Coordination: Marc Vandeputte, INRAE, marc.vandeputte@inrae.fr

Project Management: Nesrine Mezghrani, INRAE Transfert, nesrine.mezghrani@inrae.fr

Communication & Press: Jane Maher, ERINN Innovation, jane@erinn.eu

 @AQUAEXCEL3
aquaexcel.eu



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 871108 (AQUAEXCEL3.0). This output reflects only the author's view and the European Commission cannot be held responsible for any use that may be made of the information contained therein.

Designed and developed by
ERINN Innovation