



Circular Competence Training for Aquaculture Waste Management using VR and AR tools

HOW CIRCU-TECH IS ADVANCING CIRCULAR AQUACULTURE?

The CIRCU-TECH project was created to tackle the key challenges limiting the sustainability and public trust of the European aquaculture sector. It responds to:

- Supporting major EU policies (Green Deal, Strategic Guidelines for Sustainable EU Aquaculture, Farm to Fork strategy, EU New Circular Economy Action Plan, A Circular Blue Economy for the Mediterranean) by developing a roadmap for the sector’s transition toward a more sustainable and circular model.
- Enhancing training opportunities through a targeted programme focused on circular practices and sustainable waste management in aquaculture.
- Raising awareness and building expertise in circular waste management by equipping aquaculture professionals with practical knowledge, tools and innovative solutions to reduce environmental impact.
- Encouraging a sustainability-oriented mindset by showing industry stakeholders the long-term business, environmental and social benefits of circular and eco-design practices.
- Enhancing the public image of aquaculture by improving transparency showcasing the sector’s commitment to sustainability and safety.

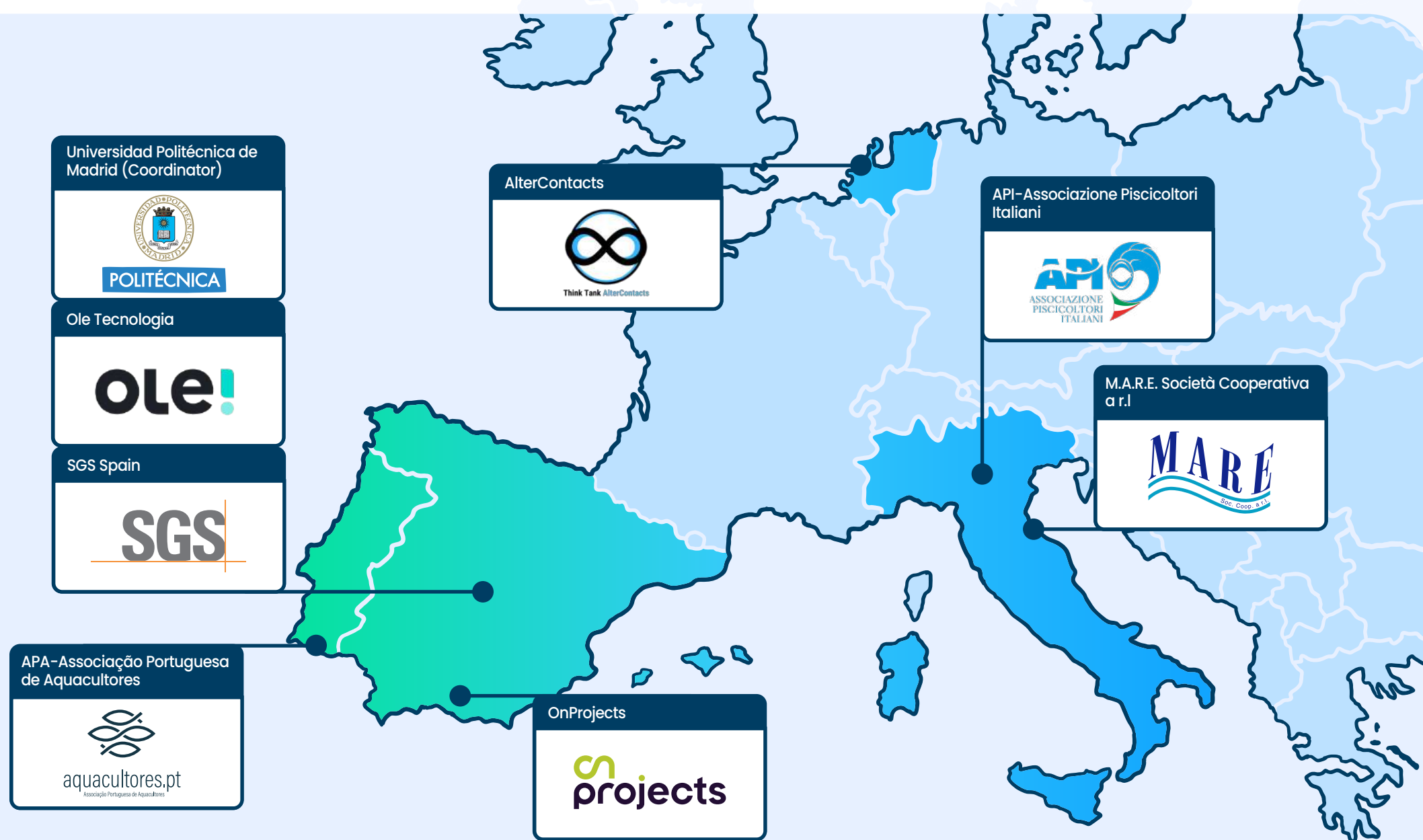
ABOUT US

CIRCU-TECH is a three-year European project (2024 – 2027), funded by the Erasmus+ programme and led by the Universidad Politécnica de Madrid (Spain).

Its mission is to support the transition of European aquaculture towards a more circular and sustainable model by designing a VR/AR-based training program that upskills aquaculture professionals in circular waste management practices.

MEET THE CIRCU-TECH CONSORTIUM

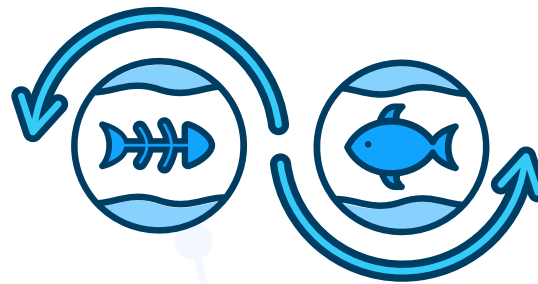
The consortium involves 8 partners from 4 different countries, covering diverse geographical scope within the EU, as Southern Europe (Spain, Portugal, and Italy), and Central Europe (the Netherlands) are represented:



OBJECTIVES

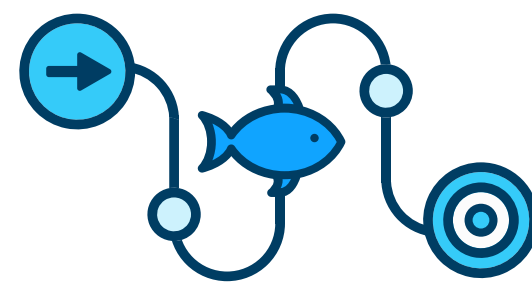
- 01 Promote the adoption of circular and sustainable models in aquaculture to reduce environmental impacts associated with waste management.
- 02 Implement climate-resilient and environmentally sustainable waste management practices in the aquaculture sector.
- 03 Enhance the flexibility of VET opportunities by combining traditional methods with advanced digital learning tools.
- 04 Design a vocational training programme aligned with industry needs, focusing on circular and eco-design practices in aquaculture.
- 05 Equip aquaculture professionals with relevant skills and knowledge to meet the evolving demands of the aquaculture labor market.

WHAT TO EXPECT FROM THE PROJECT?



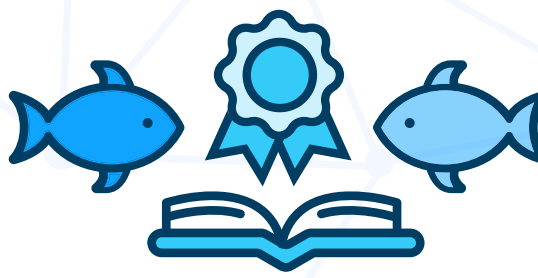
Circular aquaculture waste management model

a practical framework for implementing circular practices in aquaculture facilities.



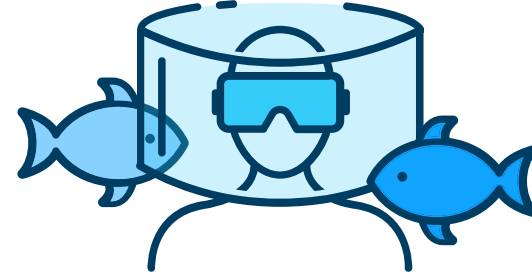
Roadmap of a transformation plan for European aquaculture

toward a more sustainable and circular model.



Collection of best practices

specific to aquaculture waste management.



Targeted training programme

with VR/AR tools.

IMPACT

Local

- Promote knowledge exchange and innovation in aquaculture waste management.
- Strengthen local networks focused on circular and sustainable practices.
- Encourage the adoption of eco-design and circular approaches on farms.

National

- Enhance professional skills and awareness in circular aquaculture.
- Align training with emerging market needs in the aquaculture sector.
- Support the development of national strategies and future initiatives.

European

- Drive the transition to a sustainable, circular aquaculture model across Europe.
- Influence policy and stimulate investment in innovative waste management solutions.
- Contribute to the European Skills Agenda by fostering blue economy careers.

Contact and Acknowledgements

More info at:



www.circu-tech.eu



Circutech | EU Project



Co-funded by
the European Union

Project N. 2024-1-ES01-KA220-VET-000249427
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Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.