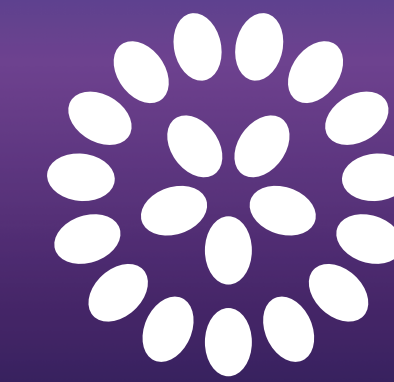
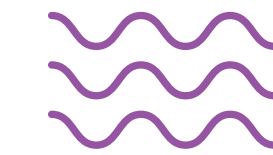


# AQUANAUI: Navigating Grand Challenges and their Mitigation using Aquatic Experimental RIs



**OSCAR**  
Open Science Clusters' Action  
for Research & Society

The AQUANAUI project aims to create an interactive atlas of aquatic mesocosm-based experimental research. Data, publications, reports and information generated by the AQUACOSM consortium and other mesocosm facilities worldwide will be integrated into a single, accessible platform incorporating Open Knowledge Maps' AI-driven visual discovery tools.



**ENVRI**  
Environmental Sciences



**LSRI**  
Life Sciences

## Challenge

Experimental mesocosms, which offer controlled but realistic environments, are critical for studying the impact of global change stressors. However, despite their significance, the extensive yet fragmented resources available in mesocosm-based research remain difficult to access and leverage.

## Solution

An open and FAIR interactive atlas integrating technical information and geolocation of aquatic mesocosm facilities worldwide with respective publications and reports. With searchable GeoMaps as well as interactive Knowledge Maps and Streamgraphs, AQUANAUI will help researchers navigate complex information with ease, using cutting-edge visualisation techniques, AI and knowledge synthesis methods.

## Scientific Impact

By consolidating data and information from diverse RIs, the platform will leverage and enhance the AQUACOSM consortium and related RIs, securing the reusability and interoperability of existing data collections and better exploration of existing RIs in the future.

## Partners

Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Open Knowledge Maps (OKMaps), Wikidata.

<https://www.oscars-project.eu/projects/aquanavi-navigating-grand-challenges-and-their-mitigation-using-aquatic-experimental-ris>