



Research Infrastructure Catalogue

For the first time AQUARIUS will bring together a **portfolio of 57 diverse research infrastructures**, ranging from satellites to research vessels, and from drones to laboratory research facilities (+ 10 Data Centers & Virtual Labs), in an online searchable catalogue.

Free on-site, remote and virtual access to these research infrastructures will be provided through **two transnational access funding calls**.



Infrastructure categories offered in AQUARIUS

- | | | |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------|
| 1 Research Vessels | 3 Fixed Marine Facilities (Databuoys, seafloor observatories) | 7 Drones |
| 2 Mobile Marine Observation Platforms (Gliders, AUVs, USVs, ROVs, Ferrybox systems) | 4 Experimental Research Facilities | 8 Satellite Services |
| 5 River and Basin Supersites | 5 Aircrafts | 9 +10 Data Centers & Virtual Labs |

Participating RIs:



To protect & restore marine & freshwater ecosystems & biodiversity

To make the sustainable blue economy carbon-neutral & circular

Transnational Access Funding Calls

Transnational access (TA) to AQUARIUS infrastructure will be provided via a competitive call process. Researchers across the marine and freshwater domains are invited to submit project proposals making use of multiple research infrastructure services and demonstrating how their project will contribute to at least one of the **EU Mission 'Ocean and Waters' objectives in one of the EU Mission Ocean Lighthouse Regions**.

Calls will be evaluated based on their scientific excellence and logistical ability to address the defined challenges. A dedicated user-friendly call access platform will provide an EU wide system for call applications, and to carry out the evaluation process and reporting on the successful projects.

TA Call 1 – Open: 11 November 2024 – 20 January 2025
TA Call 2 – Open: 2 September 2025 – 28 October 2025

Selected projects will be fully supported to use the research infrastructures in terms of travel costs, training and logistics.

Research infrastructure (RI)

- 1 Research Vessels 19u
- 2 Mobile Marine Observation Platforms (Gliders, AUVs, USVs, ROVs, Ferrybox systems) 12u
- 3 Fixed Marine Facilities (Databuoys, seafloor observatories) 12u
- 4 Experimental Research Facilities 8u
- 5 River and Basin Supersites 8u
- 6 Aircrafts 3u
- 7 Drones 2u
- 8 Satellite Services 1u
- 9 Data Centers & Virtual Labs +10u



To prevent & eliminate pollution of our ocean, seas & waters



Mission Ocean and Waters identifies four lighthouse regions each focusing on one of the three Mission challenge areas

Technical Training

AQUARIUS will offer a diversity of training opportunities to infrastructure users, early career scientists and to the wider marine and freshwater research community.

Successful projects will be offered a range of tailored training programmes to equip them with the necessary scientific and technical support to use the research infrastructures. Aimed at early career scientists, floating universities and open calls for AQUARIUS internship programmes will be launched. Finally, the AQUARIUS website 'technical training hub', will feature a range of relevant training materials including e-learning digital resources, tools, presentations and webinars, with a focus on data stewardship and training.

Open Science, Open Data

AQUARIUS will implement best practices in open science and open data, making all data FAIR (Findable, Accessible, Interoperable & Reusable), ensuring generated data, data products and knowledge become part of the leading European data infrastructures for long-term stewardship and wide access, and maximising the return on investment from AQUARIUS and the successful transnational access projects. Scientific teams of the awarded projects will be invited to make use of the Blue-Cloud Virtual Research Environment.

Maximising Impact

AQUARIUS, will maximize impact through effective and targeted dissemination, exploitation, and communication of project research and innovation activities and results. This will ensure uptake and application of AQUARIUS outputs by target stakeholders, and thus supporting the delivery of the EU Green Deal and relevant policy goals, including by enhancing and further integrating EU marine and freshwater research infrastructures services in support of the development phase of the EU Mission 'Restore our Ocean and Waters by 2030.'

FAIR DATA



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