Robotics in aquatic environments to promote STEM and environmental awareness

ABOUT- Scope and partnership

The RoboAquaria project aims to address climate crisis and foster in school communities environmentally sustainable behaviors with the use of Educational aquatic robots.

The project is in line with the horizontal priority "*Environment and fight against climate change*" and the priority "*Addressing digital transformation through the development of digital readiness, resilience and capacity*".

The consortium of the project is a collaboration among universities (Marche Polytechnic University-Leader, University of Aegean, University of Zagreb), educational & research centres (CARDET, Future in Perspective, INNOVADE, Ancybernetics) and schools (IC Solari, Primary school Osnovna škola Tituša Brezovačkog, ICS Largo Cocconi).

PROJECT RESUTLS

To achieve its scope, the project will develop the following outcomes:

- Methodological Framework for the Pilots, Guidelines for the Teachers and Validation; a report based on the design of pedagogical approaches that can be used to cultivate learner's sustainability competences.
- Toolkits and Lesson topics; guidelines to direct educators on how to build the Roboaquarium and implement an educational curriculum incorporating robotics and green skills.
- E-learning platform and Open Educational Resources (OERs); an open space with free pedagogical resources and augmented reality tools.
- Policy Recommendations; a collection of lessons learned, best practices, challenges and policy suggestions.

1st Transnational Partner Meeting

The RoboAquaria project's first transnational partner meeting was held by CARDET on May 24th 2023 at their premises in Nicosia, Cyprus.

Representatives from partner-organisations, institutes, and schools attended the meeting in person or virtually.

The meeting was an excellent opportunity to evaluate how the project activities were progressing and decide on the next course of action for accomplishing the project's goals. It also provided a solid framework for conducting the national research for the Methodological Guide.

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