

The i-ScubaDiving research project is developing an innovative crowdsourcing platform that transforms underwater exploration into an experience for everyone. Using simple underwater cameras, divers can create and share 3D and virtual reality environments of sites such as shipwrecks and reefs, making the underwater world widely accessible.

Scan to visit the i-ScubaDiving platform:



www.iscubadiving.eu



info@iscubadiving.eu



The i-ScubaDiving (Operation code: KMP 6-0082362) is implemented within the framework of the Action "Investment Projects for Innovation" and is co-financed by the European Union (EU) and National Resources through the "Central Macedonia" Program, NSRF 2021-2027. The project started in May 2022 and will be completed in September of 2025. The project budget amounts to €399,910.23 and the Public Expenditure to €371,939.58.



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MINISTRY OF CULTURE AND SPORTS
GENERAL DIRECTORATE OF ANTIQUITIES AND CULTURE HERITAGE
EPHORATE OF UNDERWATER ANTIQUITIES



Co-funded by
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Underwater Exploration Platform

Create
Explore
Share

www.iscubadiving.eu

The Platform

i-ScubaDiving is a pioneering platform for both amateur and experienced divers.

It enables users to create and share 3D models, photos, videos, and texts on a global GIS map. At the same time, the platform allows the creation of Virtual Reality (VR) environments, offering even non-divers the chance to explore unique underwater landscapes.

Who can use the platform

- Professional divers
- Amateur divers & enthusiasts
- Creators & educators
- Diving centers
- Marine research teams

Services

3D Reconstruction

Create realistic digital replicas from real underwater images and videos. These 3D models preserve marine life, shipwrecks, reefs, and archaeological sites for research, conservation, and education – as well as for recreation.

Photomosaic

Stitch multiple images into detailed, panoramic high-resolution views that reveal large-scale underwater landscapes with precision.

Crowdsourcing Platform & VR

Upload geospatial data (photos, videos, 360° panoramas, 3D models) to a global GIS map. The integrated VR function creates immersive environments for education, research, and virtual diving experiences.

User Capabilities

- Share photos and videos with the diving community.
- Create photomosaics or 3D models with a simple action camera.
- Design VR environments for educational or recreation.
- Upload and store geospatial data on a global map.

Educational Material

- Site Creation
- Crowdsourcing & VR
- 3D Reconstruction
- Photomosaic
- Underwater Imaging Process & Best Practices
- Imaging for 3D Representations