

The Project

i-blueCulture offers realistic "dry" dive experiences providing digital access to the underwater environment to all citizens, tourists and researchers. Through i-blueCulture, the user can navigate and move with precision in virtual underwater landscapes of ancient and historical shipwrecks using multimedia devices on land (e.g. in a museum or an information center) or at sea (e.g. on a cruise ship above the wreck). Beyond its recreational and educational contribution, i-blueCulture also offers a low-cost surveillance system for the protection of Underwater Cultural Heritage sites from looting and other similar threats.

Main Outputs

- A cost-effective 3D reconstruction methodology for underwater sites.
- Two "dry dive" applications for visitors.
- Low-cost surveillance system for underwater monuments.



<https://i-blueculture.iti.gr>



Pilot Shipwrecks

i-blueCulture will present 3 Byzantine Shipwrecks located in the bay of Vasilikos at the island of Peristera close to Alonissos and are found at an approximate depth of 55 to 60 meters. The shipwrecks date back to the 10th, 11th, and 12th centuries AD and carried large cargoes comprising of 3000 - 4000 amphorae.

Moreover, the cargo ship "CHRISTOFOROS" that was built in Scotland in 1950 and sank in 1983 at a depth of 43 meters in the bay of Panormos, Skopelos will be available for "dry" diving. The ship transported 2,600 tons of cement from Volos to Piraeus heading towards its final destination in Algeria. It is a modern shipwreck in excellent condition, that was until recently inaccessible even to divers since it was located within the limits of an underwater archaeological site.



i-blueculture system