ARCHAEOLOGICAL MAPS OF MENORCA In 1996, the Amics del Museu de Menorca (Friends of the Museu de Menorca) Association initiated a research project aimed at the study and conservation of underwater cultural

UNDERWATER

heritage of Menorca's coast.



continuous plundering of underwater heritage, and the lack of trustworthy information on the state of conservation of the relatively few known submerged archaeological

and historical sites around the island's coastline, opted to initiate the creation of these underwater archaeological maps. It was then that this Menorcan institution posed the Friends of the Museu de Menorca the need to execute a long-term scientific project designed to compile a catalogue of underwater sites around the Menorcan coastline. The project's stakeholders include the Island Council of Menorca's (CIMe) Department

of Culture, through its Heritage Services Department, which provides economic support to the project, the Museu de Menorca, offering its facilities and scientific expertise for the project, and Amics del Museu de Menorca, which coordinates underwater research

In the late 1990s, the Island Council of Menorca (CIMe), faced with increased public and private construction projects affecting the coastline, alarming news regarding the

tasks.

PROJECT GOALS The research project's principal goals include the following: 1) Create an underwater archaeological map of the island.

3) Protect, conserve and carry out scientific study of the sites included in the prospecting

4) Raise awareness among the Menorcan community regarding the island's underwater cultural heritage and the importance of its archaeological and historical value, so as

2) Evaluate the state of conservation of its underwater cultural heritage.

to avoid its destruction and plundering.

or historical objects.

CIMe's Heritage Services Department.

WHO TAKES PART IN THE PROJECT

positioning device (GPS).

research.

work.

archaeological or historical objects (historical documents, bibliography, press clippings...). 3) Toponymy. The study of place names of the island's coastline offers clues regarding coastal locations where shipwrecks or maritime accidents took place, as well as around prime anchoring sites. 4) Oral sources. Interviews with divers and fishermen, who can provide valuable

cause shipwrecks, or reveal ideal coastal areas for anchorage.

information on locations they have observed or regarding recovered archaeological

5) Study of the island's prevailing winds and currents, as well as its coastal orography. Such research provides information that helps locate geographical features that can

Having gathered and analysed this information, we can determine which coastal locations we wish to study, and in such, compose a programme for prospection and

Prospection work involves the visual inspection of a coastal area or location for study, without the execution of any type of extraction of the sea floor, and the analysis, in situ, of any discovered remains. Only in certain exceptional cases are objects extracted from the sea floor, and when deemed necessary, only with previous authorisation from

During dives, photos and video recordings are taken of the sites and their remains. The information gathered is utilised to determine the type of site discovered and its chronology, while also serving to compare with data that will be obtained on future dives to help assess their state of conservation. Sites are located by means of a global

are sent to CIMe's Heritage Services Department for inclusion in the catalogue of The final phase, and one of the most important, involves the dissemination of the results

The third step involves recording all the data obtained in the previous two steps in an

- archaeological file. These files, together with the annual report on completed tasks,
- In 2011, the underwater archaeological maps project was included in the "National Plan for the Protection of Underwater Cultural Heritage" backed by the Spanish Ministry of Culture and associated with the National Museum of Underwater Archaeology. TASKS CARRIED OUT AND RESULTS OBTAINED At the research project's onset, information only existed on 24 underwater sites; one in inland waters and 23 around the Menorcan coast. As present, 400 locations have been documented with archaeological and/or historical data. The chronology of these sites ranges from the 5th century BC to present day, and their typology corresponds essentially to: 1) Derelicts, any sunken ship or aircraft. All the derelicts we have been able to document

correspond to boats shipwrecked near our coast, although at the Illa de l'Aire islet

2) Docks, moorings and anchorages. Sites used as ports or for shelter during periods of

3) Isolated finds. Objects are often discovered, primarily anchors, that are not associated with other archaeological or historical remains. They are simply materials that are

In addition to these prospections, underwater archaeological excavation has been

1) The Binissafúller derelict, in Sant Lluís. This site was excavated in the 1970s and subsequently inspected and re-excavated between 2006 and 2016. The more recent

ribs, are not the basis of the ship's structure and are attached to the strakes, and

the request of CIMe's Heritage Services Department. The 2018 campaign received

collaboration from the Underwater Archaeology Centre of Catalonia (CASC).

serve as the body of the vessel. It was a Punic merchant ship that carried out wine trade expeditions from port to port. It was not a ship that sailed smaller coastal trade routes, but instead sailed trade routes organised by commercial agents. 2) The Calescoves mooring. These efforts were carried out between 2017 and 2018 at

there is a sunken German World War II bomber.

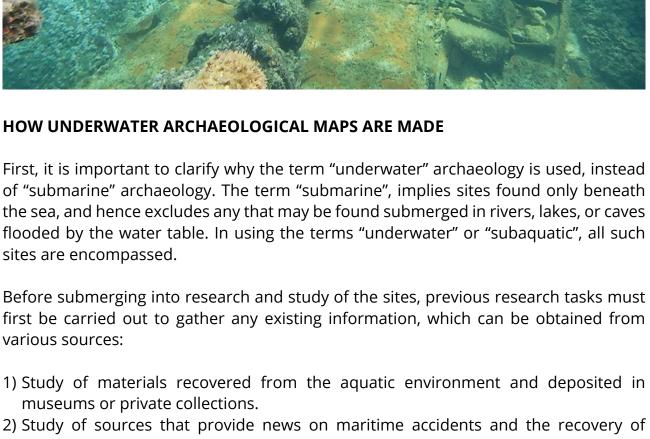
extreme weather.

carried out at two sites:

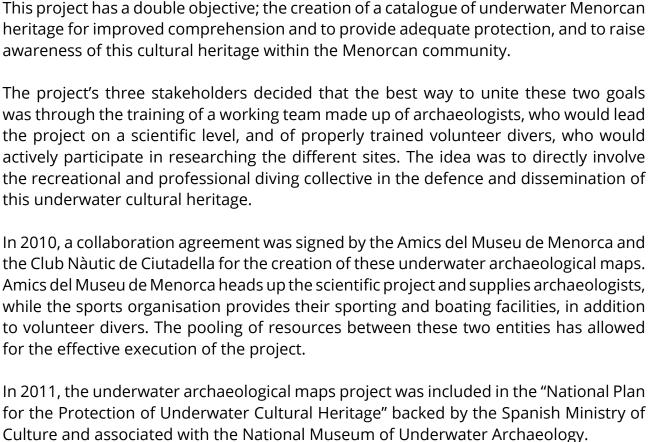
occasionally lost by ships.

The 2017 campaign included the execution of all the photogrammetry of the cove's sea floor, so as to evaluate the sites with the highest concentration of archaeological

materials and determine the best option to keep boats anchoring in this small natural



archaeological and historical sites of the island of Menorca for their protection. obtained throughout the project. This dissemination is carried out on two different levels; through participation in archaeological conferences, where our results are presented to the scientific community, and through informative and educational materials intended to inform the Menorcan community regarding the island's underwater heritage.



archaeological efforts allowed for the dating of the site to between 375 and 350 BC, involving a vessel transporting between 400 and 450 wine-filled amphorae. Numerous grape seeds were recovered from inside these amphorae. With regard to naval architecture, it is neither Greek nor Roman, but instead shows Punic construction techniques. It utilised the shell-first shipbuilding technique, in which the frame, or

