



Università
Ca'Foscari
Venezia

PROJECT ACRONYM AND TITLE: The marble routes: Capo Taormina Roman shipwreck Project

FUNDING PROGRAMME: Honor Frost Foundation Spring 2017 Grant Applications

CALL: Honor Frost Foundation Grant – Call Spring 2017

SCIENTIFIC FIELDS: Cultural heritage and digital humanities

HOST DEPARTMENT: Department of Human Studies

SCIENTIFIC RESPONSIBLE: Carlo Beltrame

FINANCIAL DATA:

Overall funding assigned to UNIVE

€ 11,500,00

ABSTRACT:

The aim of the project is to study the characteristics of the marble-carrying ships in Roman times and the identification of the transported marble through the documentation and study of the Capo Taormina shipwreck (Sicily) as an integral part of a larger project. Due to the particular morphology of the seabed and to the characteristics of the site, the shipwreck site will also offer the opportunity to test and develop underwater multi-image photogrammetric techniques. From a methodological point of view, aim of the project is to obtain and produce:

1. a 3D underwater photogrammetrical documentation test on the cargo of columns lying on a sloppy seabed;
2. a precise and impressive technique for 3D visualization with Rhinoceros which can be useful for both research and education purposes;
3. a method of reconstruction, in a 3D environment, of the cargos and ship-shapes from which one can export models in Model Maker and Autohydro environments to understand the displacement, the trim and the nautical properties/data of the ship.

The project will also allow training of students in the maritime archaeology course at the Ca'Foscari University.

The project is an opportunity not only to acquire new knowledge, but also to promote the underwater cultural heritage allowing physical and virtual access to the site by amateur divers and the general public.

Planned Start date

20th July 2017

Planned End date

19th July 2018

PARTNERSHIP:

1 Università Ca' Foscari Venezia

Italy

Coordinator
