UNIONE EUROPEA
Fondo Sociale Europeo

Ministero dell'Istruzione dell'Università e della Ricerca

PON RICERCA E INNOVAZIONE

UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO

PhD in Geosciences – XXXIII Cycle

BERMA – Beach ERosion Mechanism Analysis: a study of sedimentary dynamics with a multidisciplinary approach along the Apulian coast.

Industrial Partner

ENSU environmental surveys

ENSU develops innovative geomatics survey methodologies to study the environmental dynamic, as well as for the management and planning of the coastal and continental environment.

Within the PhD project, they will collaborate in the implementation of LST (Terrestrial Laser Scanner) to construct backshore 3D models.

International Partner

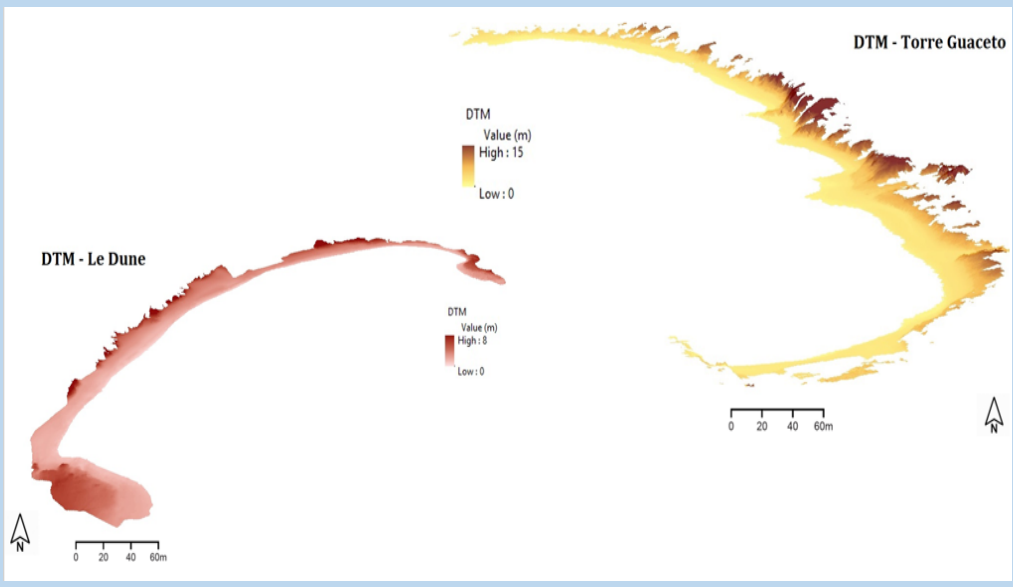
CEREGE is a joint research centre that develops applied geomatic equipment and techniques related to geoenvironmental and dynamic coastal issues.

cerege
CENTRE EUROPÉEN DE RECHERCHE ET D'ENSEIGNEMENT DES GÉOSCIENCES DE L'ENVIRONNEMENT

Within the PhD project, they will collaborate in the construction of the seabed 3D model by using LIDAR (Light Detection and Ranging) images.

Description of activities

The implementation of LST allows acquiring spatial coordinates of a large number of points by measuring the distance between the instrument and the study object and creating a set of three-dimensional points that allow reconstructing a 3D model of the study areas.



Development of backshore 3D models of Torre Guaceto (BR) and Le Dune – Porto Cesareo (LE) beach deriving from LST measure campaigns and data processing.

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PhD course in Geosciences

DIPARTIMENTO DI SCIENZE DELLA TERRA E GEOAMBIENTALI