

PRESENTATION

Name : Marija
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Status/position: PhD student

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RESEARCH

After she successfully wrote her Master thesis which dealt with the advantages of geophysical prospection in Early Prehistoric site of Ciota Ciara cave in Piemonte (Italy), Marija Obradović has continued her research on the possibilities and transformation of applied geophysics in prospection tool, rather than just documenting tool. In January of 2012 she started her PhD which focuses on the implementation of geophysical and topographical 3D surveys in order to determine geological and environmental aspects of ancient land and to create a digital documentation and models for future analysis and observations, which can be easily shared and presented to other professionals or general public with outstanding visual impact. The study is also important for the possibility to detect undiscovered voids, channels or even caves, because it offers insight into environmental and archaeological potential of karst landscapes and in the planning of field research projects in limestone areas. The study includes the prospection by means of georadar, electrical resistivity, passive seismic tomography, 3D laser scanner and fotogrammetry. Data treatment will be performed using different computer programs designed for the every of the techniques implemented. Programs included by this research are RES2DINV, RES3DINV, AutoCAD, EVS, GRED3D, Cyclon, MeshLab and Blender.

KEY WORDS

PERIOD: Applicable on all periods

GEOGRAPHY: Italy, North-Adriatic region

SPECIALITY: Applied geophysics, 3D prospection, laser scanner, 3D modeling.