

SoilCare project BSc / MSc / PhD Research Information

Research level

MSc

Research Title

Estimating soil erosion partners with means of satellite remote sensing, field spectroscopy, GIS, climate change data and in situ measurements.

Abstract

The project will assess the impacts of a changing climate, land use, soil moisture, hydrology and vegetation cover on the quantity of erosion processes.

Objectives of the research

The main objectives of the research are the following:

- Incorporate data from climate change models in soil erosion modelling
- Incorporate Land Use/Land Cover data from satellite remote sensing and UAV drone in soil erosion modelling
- Incorporate field spectroscopy data in soil erosion modeling
- Predict changes in soil erosion partners

SOILCARE study site

Chania, Crete, Greece

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