

Research Plan

“Study of land cover variability using remote sensing data in internal and coastal areas characterized by salinization of marine origin and/or induced by deep geofluids ascending along tectonic structures.”

The research plan for the project above includes different activities to be carried out in the office and in the field among which the most relevant are the following:

1. Study of land cover variability using remote sensing data where water or soil salinization have been detected both in coastal (Adriatic coast) and internal areas (Northern Apennines). Salinization may be related to saltwater intrusion in aquifers along the coast and to geofluids ascent along faults and fractures in the Northern Apennines.
2. Elaboration and collection of all available data (3 months).
3. Field checks of the remotely sensed data to assess the validity of the remote sensing data and of their elaborations (1 month).
4. Elaboration of future trends of land use change by means of model's development based on statistical and numerical techniques (8 months).