

Mission

Understanding geological and natural processes and human practices interacting with and influencing the human environment activities and life

Research topics

- Past and recent evolution of the Earth as the key to envisage and plan the sustainable development of the human environment
- Natural and anthropic hazards
- Natural resources
- Global and local environmental changes
- Man-environment interactions

Research activities

Geological processes for the knowledge and mitigation of natural hazards and for the assessment and exploitation of natural resources

Geological and geomorphological evolution of continental margins and adjoining marine areas for the mitigation of natural hazards

Soil and fluid geochemistry for environmental assessments

Contaminated site remediation and industrial waste recovery technologies

Exploitation and promotion of geological raw materials and safety of disused mining and industrial areas

Development and application of new technologies for the geo-structural and physical-mechanic characterization, monitoring and alert for the static control

Geotechnical analysis of deformation and rupture cases in soils and rocks originating from both geological and anthropic processes

