

## PhD in Geosciences -XXXIII cycle

# SIAT - Integrated system UAV /UTV with remote control for the pollutants dispersion evaluation in the coastal environment for reclamation purposes

### Industrial partner



Serveco Srl is a leading company in environmental services that has made innovation its flag.

*Within the PhD project they will collaborate in the integration of the UAV / UTV components that must constitute the polluting substances sampling system.*

### International partner



The LETG of Rennes is a laboratory created in 1996 by the CNRS and focuses on environmental geography.

*Within the PhD project they will collaborate in the study of the areas affected by the environmental disaster of the Amoco Cadiz.*

## Description of Activities

The research activity aims to develop an integrated UAV-UTV system that is able to identify and alert the user to the presence of pollutants distributed by the movements of the sea along the coastline and to send a UTV for a first sampling for the purposes monitoring, definition of the areas involved and planning of remediation interventions.



The test areas chosen are located on the Apulian Adriatic coast and on the Ionian coast of Basilicata. They are located in marine protected areas where the potential anthropic impact deriving from the presence of pollutants could damage the present ecosystem.

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