



Name of project: MIDA – (Monitoraggio Integrato Discariche Abusive) , which stands for “Integrated Monitoring of Wrongful Dumps”

Year: 2016

Location: Italy

Client: SMA Campania SpA

Main project features:

The aim of the project was to locate and map the areas covered by waste based exclusively on satellite data (Pleiades, ErosB data and Sentinel 1-2). The surveyed area was about 1500 sqkm (“Terra dei Fuochi”). MAPSAT carried out an accurate photointerpretation and classification of areas subject to spill, providing, subsequently, to validate the surveys with citizens alert and surveys of SMA Campania stuff. At the end of the project mapsat realized a training course for SMA Campania technicians on the use of GIS tools and the results of the elaborations.

Main outputs:

(i) Multi-temporal mapping for the years 2012, first half of 2016 and second half of 2016; (ii) Change detection map; (iii) Trending maps with classes of significance level; (iv) Advanced geostatistical analysis on distribution and typology of landfills and assessment of the environmental impact; (v) periodic reports on the evolution of the phenomenon; (vi) On-site training course on Qgis, remote sensing data and interpretation of geostatistical data (200 hours).