

Risk assessment of an uncontrolled waste landfill at Attica

Client: *National Technical University of Athens (NTUA)*

Service employed:
Soil and groundwater experts

Duration:
2011-2015

The purpose of this assignment was to strengthen the NTUA research team to evaluate the environmental risk of a currently inactive uncontrolled dumpsite of Attica that used to operate by 2010'. The geological background of the area is a karstic limestone that naturally has a high water permeability that significantly increase the risk of groundwater contamination, that is mainly used for irrigation.



For the purposes of this assignment, site visits in the wider area were conducted, inhabitants and municipal employees were interviewed and an extensive soil and groundwater sampling were carried out in order to examine whether the dumpsite received not only domestic but industrial waste as well, but also if groundwater has been contaminated by leachate so far, taking into account the vulnerable geological background.

