



Chromium in Asopos Groundwater system: Remediation technologies and measures (LIFE+ CHARM)

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

Service employed: *Soil and groundwater experts*

Duration: *2011-2015*

The groundwater system of Asopos River presents high concentrations of hexavalent chromium [Cr(VI)] and as a result there is an increased public concern, since part of the groundwater is used for water abstraction for human consumption and most of it for irrigation purposes. One interesting issue related to the groundwater quality of the specific groundwater system is related to the possible increased natural levels of chromium in the water, which makes it a more difficult task to tackle, with respect to the determination of rational threshold values (TVs) and proposal of appropriate remediation technologies and measures.



We participated in the LIFE+ Environment Policy and Governance 2010: Chromium in Asopos Groundwater system: Remediation technologies and measures (CHARM). During this assignment our responsibilities include: a) the evaluation of geogenic Cr(VI) in Greek groundwater aquifers and in Asopos river basin, b) the design and implementation of a wide groundwater and soil sampling in Northern Greece and Asopos river basin, c) the evaluation of potential Cr(VI) anthropogenic sources in Asopos river basin and c) the preparation of deliverables.

