

CONTAMINATION OF GROUNDWATERS BY HALO-ORGANICS
THE EU PROJECT "FOKS"
INTEGRATED APPROCHES FOR STUDYING AND CLEARING

During the conference "Contamination of groundwater by halo-organics. The EU Project FOKS. Integrated approaches for studying and clearing", the Province of Treviso will focus on the methodologies taken and the results obtained in its hydrogeological investigation of the FOKS pilot area (City of Arcade). This daily session will be an opportunity to study the IPT (Integral Pumping Tests) methodology in depth as well as discuss over the new techniques of passive sampling used for the groundwater of the pilot area. The legal aspects of the decision-making process in public bodies as to groundwater contamination will also be analysed.

The discussion over the behaviour of halo-organics in groundwater will also include their chemical characteristics and the description of clearing techniques with concrete examples, mainly based on those taken within the Veneto region.

29th September 2011
PROGRAMME

- 9:00 a.m. Registration of the participants
- 9:30 a.m. An example of a EU project dealing with the environment
Leonardo Muraro – President of the Province of Treviso
- 9:40 a.m. The Province of Treviso on groundwater: THE "CENTRAL EUROPE – FOKS" PROJECT (FOKS project, introduction, project description and fields of study covered by the other partners)
Veronica Tornielli – Province of Treviso
- 10:00 a.m. Activities taken within the pilot area of Arcade
Roberto Pedron – Sinergeo S.r.L. (Technical Consultant for the Province of Treviso in the framework of the FOKS project)
- 10:25 a.m. Groundwater monitoring in the FOKS pilot area: new techniques and results
Silvia Bertoldo – Sinergeo S.r.L. (Technical Consultant for the Province of Treviso in the framework of the FOKS project)
- 10:45 a.m. Coffee Break
- 11:10 a.m. Chlorinated solvents in groundwaters: sample conservation and main analytical techniques
Antonio Serena and Moreno Morello – Studio ASA (Analytical Laboratory entrusted by the Province of Treviso in the framework of the FOKS project)
- 11:35 a.m. Contamination of groundwater: legal issues related to clearing obligations and poisoning offence
Angelo Merlin – Sinthema Professionisti Associati, Professor of Environmental Law at the University of Venice - Master in "Characterisation and clearing of contaminated sites"
- 12:00 p.m. Present and future possible contamination of groundwater. Legal definition and technical guidelines for a risk assessment. Approach methodology and decision-making process at the Province of Treviso.
Simone Busoni – Director of the Environmental Unit for the Province of Treviso

- 12:30 p.m. Lunch Break
- 2:00 p.m. Contamination of groundwater by chlorinated solvents
Giovanni Pietro Beretta – University of Milan, Department of Earth Sciences "Ardito Desio"
- 2:40 p.m. Planning groundwater clearing interventions
Gianni Andreottola – University of Trento, Department of Civil and Environmental Engineering
- 3:10 p.m. Chlorinated solvents in groundwater: punctual contamination sources or background level. Examples of technical and political approaches at the Province of Treviso
Daniela Fiaccavento – Treviso Unit of the Veneto Region Environmental Department (ARPAV)
- 3:40 p.m. New approaches to the clearing of groundwater contaminated by chlorinated solvents in various hydrogeological alluvial environments: comparison between various experiences and results
Andrea Sottani – Sinergeo S.r.L. (Technical Consultant for the Province of Treviso in the framework of the FOKS project)
- 4:10 p.m. Clearing of groundwaters contaminated by chlorinated solvents: a concrete example
Raul Mucciolella – Geostream S.r.L.
- 4:40 p.m. Discussion
- 5:15 p.m. End of the session
Alberto Villanova – Councillor of the Environment for the Province of Treviso