

WARBO SUMMER SCHOOL

8 -10 october

Lisbon, Geology Department, FCUL

Building C6, room 6.2.56



Day 1—Wednesday, October 8th

9.00 Introduction table

Sebastião Teixeira (APA/ARH)

José Martins Carvalho (TARH)

Daniel Nieto (OGS—Italy)

Maria do Rosário Carvalho (DG—FCUL)

10.00 Daniel Nieto (OGS) – “The WARBO Project” (presentation on the objectives and detailed explanation of the test sites)

10.40 Coffee break

11.20 Grazia Martelli (Udine) – “Geological context of the Pianura Friuliana”

12.00 Carmela Vaccaro (Ferrara) – “Geological and geochemical context of the Low Plain”

13.00 -14.00 Lunch break

14.00 Jorge Espinha (FCUP) - “Hydrogeology of the unsaturated zone.”

14.50 Daniel Nieto (OGS) – “Technology involved for the geological characterization of the test sites in the WARBO project”

15.30 Coffee break

16.00 Mauro Piccolo (Eurekos) – “Geophysical monitoring of the artificial recharge in Meretto”

16h40 Abu Zeid Nasser (Ferrara) - “Use of geoelectrical methods for the characterisation and monitoring of alluvial aquifers: the case of Life-WARBO test site”

Day 2—Thursday, October 9th

9.00 Fernando Santos (FCUL) – “Recharge evaluation using Geophysics. Possibilities and limits.”

9h50 Pietro Teatini (Padova) - “Modelling the recharge of the phreatic aquifer at Mereto”

10h30 Andrea Comerlati (Padova) - “Fresh-water recharge of the saline aquifer at Copparo. Results of a density-dependent numerical model.”

11h10 Coffee Break

11.40 Daniel Nieto (OGS)—Geophysics demonstration

12.20 Maria do Rosário Carvalho (FCUL) – “Geochemical modelling on the artificial recharge projects: case study Copparo.”

13.00-14h00 Lunch Break

14.00 José Paulo Monteiro (UAIG)

14.50 Tiago Carvalho (TARH)—“Hydrogeological conceptual site modelling for the artificial recharge in the WARBO project.”

15h30 Coffee break

16.00 Grazia Martelli (Udine)—“Impacts of the artificial recharge on the groundwater quality in a deep unconfined aquifer.”

16.40 Carmela Vaccaro (Ferrara) – “Impacts of the artificial recharge on the groundwater quality of confined aquifers in the Po river delta”

Day 3—Friday, October 10th

9.00 João Paulo Lobo Ferreira (LNEC) - “Quantitative aspects of artificial recharge. Case study: Gabardine.”

9.50 Teresa Leitão (LNEC) - “Artificial recharge enhancement to prevent seawater intrusion in the coastal aquifer of Korba-Mida (Tunisia).”

10.30 Enrique Fernández Escalante (Tragsa, IAH MAR Commission).—“Managed Aquifer Recharge (MAR) in MED area. The Spanish case.”

11.10 Coffee Break

11.40 Fabio Botti (BottiElio)—“Developed wells in the context of the WARBO project.”

12.20 Stefano Farina (Copparo) – “The importance of the artificial recharge as a multi-level project for a municipality.”

13.00 Daniel Nieto and José Martins Carvalho—WARBO conclusions.

Presence confirmation required to

rita.carvalho@tarh.pt

(up to october 3rd)

More information on WARBO project in

warbo-life.eu

