

AGENDA

Wednesday, March 21

- 9:30 - 10:30. Opening of the Workshop
Possible Attendees (to be confirmed):
. Mr. Manuel Bustos (Major of Sabadell)
. Mr. Avelino González-González (European Union Officer)
. Dr. Gregori Vázquez (Rector's Delegate UPC)
. Mr. Joan Samitier (Vice-rector UB)
. Supporting companies and institutions representatives (CASSA, Agbar, ACA, CUADLL).
- 10:30 - 11:30 Opening speech: Sustainable yield of water resources.
Prof. Jacob Bear (GABARDINE)
- 11:30 - 12:00 Coffee break
- 12:00 - 12:30 Overview on the GABARDINE Project. **Prof. Martin Sauter**
- 12:30 - 13:00 Water reclamation technologies for safe artificial aquifer recharge - Overview on the RECLAIM WATER Project. **Prof. Thomas Melin**
- 13:00 - 14:00 Presentations on chemical and biological water quality parameters: (RECLAIM WATER)
- Targeted organic compounds in water reclamation. **Dr. Mathias Ernst** (20')
- Detection of antibiotic resistance genes and pathogenic micro organisms in reclaimed water by quantitative PCR and FISH. **Dr. Elisabeth Grohmann** (20')
- 14:00 - 15:30 Lunch
- 15:30 - 16:00 Quantification of chemical and biological reaction rates in AR operation.
Dr. Xavier Sanchez-Vila (GABARDINE)
- 16:00 - 16:30 Integration Methodology and DPSIR concept for AR projects.
Dr. Serge Brouyère (GABARDINE)
- 16:30 - 17:00 Decision support for planning and management of AR systems.
Dr. Bernd Rusteberg (GABARDINE)
- 17:00 - 17:30 Coffee break
- 17:30 - 18:00 AR operational tools. **Dr. Alfredo Pérez-Paricio**, Catalan Water Agency
- 18:00 - 19:00 Socio-economic aspects of water reclamation and aquifer recharge.
- From public perception to service delivery: why has maturity failed to soften opinions on water recycling? **Dr. Paul Jeffrey** (RECLAIM WATER) (20')
- The Gaza strip case. **Dr. Tamimi** (GABARDINE) (20')
- 20:30 Cocktail at Teatre Principal de Sabadell

Thursday, March 22

- 09:00 - 10:00 Artificial Storage and Recovery system: Test site experiences and laboratory experiments.
- The Cyprus case. **Dr. Dimitris Glekas** (AQUASTRESS) (15')
- Progress of the Salisbury Aquifer Storage Transfer and Recovery storm water project. **Dr. Rudi Regel** (RECLAIM WATER) (15')
- Batch and laboratory column tests. **Dr. Bjoern Jensen** (RECLAIM WATER) (15')
- 10:00 - 10:40 Risk assessment of AR methodologies. (RECLAIM WATER)
- The HACCP system applied to the aquifer recharge. **Mrs. Irena Kopac** (15')
- Risk assessment framework for artificial groundwater recharge at Wulpen (Belgium) Reclaim Water Case Study. **Mr. Davide Bixio** (15')
- 10:40 - 11:00 Coffee break
- 11:00 - 11:30 Modelling example of AR practices: seawater intrusion.
Dr. Jacob Bensabat (GABARDINE)
- 11:30 - 12:00 Vadose zone assessment and modelling: examples of some practical applications.
Dr. Teresa Leitão (GABARDINE)
- 12:00 - 12:30 Hydrogeochemical modelling approaches and tracer tests applied to AR.
Dr. Irina Gaus (RECLAIM WATER)
- 12:30 - 14:00 Round Table: Conventional resources vs. non-conventional: envisaging the future from a sustainable point of view.
Speakers:
- Mr. Avelino Martínez (AEAS): chairman
- Prof. François Brissaud (University of Montpellier II)
- Mr. Avi Aharoni (RECLAIM WATER)
- Prof. Jacob Bear (GABARDINE)
- Dr. Damià Barceló (CSIC)
- Dr. Joao-Paolo Lobo-Ferreira (GABARDINE)
- 14:00 - 15:30 Lunch
- 15:30 - 16:15 An overview of modelling approach to AR. **Prof. Jesús Carrera** (CSIC)
- 16:15 - 16:45 Alternative water resources. Water quality and treatment technology perspective.
Dr. Adriano Joss (RECLAIM WATER)
- 16:45 - 17:00 Joint Workshop attendees farewell.
- 17:00 - 19:00 Joint meeting of WP leaders from both projects. Potential synergies and joint work.
- 20:30 Conference Dinner at Vapor Llonch Restaurant.
Transfer is included by bus from conference venue

Friday, March 23

Technical Visit:

(Full Day including lunch)

08:30 – 17:00 Departure & arrival: Catalonia Verdi Hotel (conference venue). The visit includes:

- Visit to the RECLAIM WATER Spanish test site, Sabadell
- Visit to the GABARDINE Spanish test site, Castellbisbal
- Visit to the ASR system of Cornellá (AGBAR)