



WE-NEED WatEr NEEDs, Availability, Quality and Sustainability

Final Conference and International Workshop
June 12, 2019

Politecnico di Milano, Auditorium, Building “Casa dello studente”, Via Pascoli 53

8:30 – 9:00 Registration

09:00 – 09:30 ► MONICA RIVA, Politecnico Milano, WE-NEED Coordinator
Introduction and Overview of WE-NEED
09:30 – 10:00 ► ISHAI DROR, Weizmann Institute of Science
Measurements of transport and fate of emerging contaminants in soil and aquifer environments
10:00 – 10:30 ► SUSANNA LOURIERO, Universidade de Aveiro
Mixture toxicity predictions to address groundwater contamination
10:30 – 11:00 ► GUILLEM SOLE MARI, Universitat Polytècnica De Catalunya
Lagrangian methods for reactive transport in heterogeneous porous media

11:00- 11:30 Coffee Break

11:30 – 12:00 ► MARTINA SIENA, Politecnico Milano
Geostatistical characterization and groundwater-flow model calibration in the Bologna aquifer system
12:00 - 12:30 ► DANIEL FERNANDEZ GARCIA, Universitat Polytècnica De Catalunya
A physically-based risk analysis framework for the sustainable use of water in the Bologna Aquifer
12:30 – 13:00 ► LUCA ALBERTI, Politecnico di Milano (Invited)
Overview of AMIIGA-Interreg.

13:00-14:00 Lunch

14:00 – 14:30 ► LAURA GUADAGNINI, Universitat Polytècnica De Catalunya (Invited)
Geological Features and uncertainty issues at the WE-NEED sites
14:30 – 15:00 ► EMANUELA BIANCHI JANETTI, Politecnico Milano
Natural springs’ protection and groundwater management under uncertain conditions: The Cremona Aquifer
15:00 – 15:30 ► GIULIA CERIOTTI, Politecnico di Milano (Invited)
Sources and fate of geogenic arsenic in groundwater: a focus on the case study of Lecco
15:30 – 16:00 ► XAVIER SANCHEZ VILA, Universitat Polytècnica De Catalunya (Invited)
Overview of AQUAPUR
16:00 – 16:30 ► PHILIPPE ACKERER, CNRS Strasbourg (Invited)
Climate change: when the near future is more uncertain than the far future
16:30 – 17:00 ► OPEN DISCUSSION AND CLOSURE

17:00 - 19:00 PhD Poster Session* and “Aperitivo”

Participation is free of charge. For organizational reasons, you are kindly asked to register to the workshop by sending an email to martina.siena@polimi.it. Since there is a limited number of places, registrations will be accepted on a first come, first served basis and will close either when the maximum number is reached or on May 30, 2019.

* PhDs working in the area of “Flow and Transport Processes in Porous/Fractured Media” are encouraged to submit a poster and to present and discuss their current research. Award: an award certificate, including a voucher of the value of 300€ (to be used as contribution for an open access publication on an ISI Journal). For additional information please contact martina.siena@polimi.it