

First Announcement & Call for Abstracts



First European Symposium on Remediation Technologies and their Integration in Water Management

September, 25-26, 2012
Barcelona, Spain

Comprising:

5th European Conference on
Permeable Reactive Barriers & Reactive Zones (PRB/RZ-2012)

Intermediate External Conference of the
FP7 SQUAREHAB project

Final Conference of the
FP7 UPSOIL project

Supported by the SCARCE project

OVERVIEW

Diverse plenary and parallel sessions with oral presentations and a poster session will be offered jointly by:

PRB/RZ-2012

Permeable reactive barriers (PRBs) and reactive zones (RZs) are recognised technologies for the *in situ* improvement of the groundwater quality. Both technologies aim to realise a local stimulation of pollutant removal processes to prevent further migration of pollutants. The newest trends in this field will be presented.

AQUAREHAB is an EU financed large scale FP7 research project that started 1st May 2009 with 19 project partners (GA No. 226565). Project title: Development of rehabilitation technologies and approaches for multipressured degraded waters and the integration of their impact in river basin management.
aquarehab.vito.be



UPSOIL is a collaborative FP7 project (GA No. 226956, 15 partners) that started October 2009, entitled: Sustainable soil upgrading by developing cost effective, biogeochemical remediation approaches.
www.upsoil.eu

SCARCE is a Spanish CONSOLIDER-INGENIO project that aims to understand the effects of global change on rivers being submitted to multiple stressors.
www.idaea.csic.es/scarceconsolider



AIM



The quality of natural water resources is a major concern for the coming decades. According to the EU Water Framework Directive, the quality of groundwater and surface water needs to be improved in Europe.

Over the past 20 years a variety of innovative remediation technologies have been developed as alternatives for dig & dump and pump & treat approaches. For instance in-situ technologies like Permeable Reactive Barriers (PRBs) and Reactive Zone (RZs) based on biotic as well as abiotic remediation processes have been studied and implemented to cope with different pollutants and pollutant mixtures in groundwater. An ongoing search for new materials, additives and concepts widens the application areas.

To include the impact of remediation technologies in water management, knowledge on their sustainability, the associated costs, and their impact on the water quality in the wider environment and in time is required. Efforts in these directions have been made during recent years and will be presented and discussed during the conference.

Water management in Europe is being developed at river basin scale with the main focus on surface water. The integration of groundwater in the overall water management approach is a challenge for the near future. Barriers and potential approaches to come to the integration of groundwater and surface water in one water management approach will be addressed during the conference.

This symposium is relevant for scientists, policy makers (local, country and European level), consultants, site owners, water managers and remediation companies who are working on or involved in (ground)water issues. The purpose is to bring together pioneers and experts from all over the world to exchange information and new experience.

GENERAL INFORMATION

Date

September 25-26, 2012

Venue

The conference will be held at the 'Institute d'Estudis Catalans' located in the centre of Barcelona.

Carrer del Carme 47, 09001 Barcelona.



Accommodation

Information will become available at our website www.vito.be/english/events/

Registration

Fee per person:

Early registration* * Before July 15, 2012	360 EUR (incl 21 % VAT)
Late registration	480 EUR (incl 21% VAT)
AQUAREHAB members*	170 EUR (incl 21% VAT)

This fee includes documentation, coffee breaks and 2 lunches.

You can register on-line at our website:

www.vito.be/english/events/.

Conference dinner

The participants are encouraged to join the conference dinner, which will be organised on Tuesday evening.

Conference dinner 60 EUR (incl 21% VAT)

Language

The official language of the conference is English.

ABSTRACTS/TOPICS

Call for abstracts

Scientists, engineers, business professionals and regulatory personnel involved in remediation, rehabilitation and/or management of (ground) water are invited to submit abstracts for oral and poster presentations. Abstracts can be submitted on-line at our website www.vito.be/english/events/.

Publications

Oral presenters will be invited to submit a short paper. Detailed information for the preparation of this manuscript will be provided together with the notice of acceptance. All accepted abstracts and papers will be published in an ISBN-registered proceeding of the conference.

Schedule

Abstracts due: May 4th, 2012

Notification of acceptance: before June 15th, 2012

Topics

The conference will address scientific and engineering aspects on the following topics:

- In-situ plume and source zone treatment
- New developments and concepts in the PRB and RZ technologies for groundwater treatment
- Development of innovative/alternative reactive materials
- Wetlands/bufferzones for treatment of diffuse pollutions
- Ex-situ water treatment technologies
- Laboratory scale and field experiences
- Modelling and design of remediations
- Monitoring
- Legal and cost/benefit issues
- Impact of technologies on a larger scale
- Impact of technologies in time (longevity)
- River basin management

ORGANISATION

International Scientific Committee

Dr. Ann Van Griensven, UNESCO-IHE (The Netherlands)
AQUAREHAB representative

Dr. Leen Bastiaens, VITO (Belgium)
AQUAREHAB & UPSOIL representative
PRB/RZ representative

Dr. Janusz Krupanek, Institute for Ecology of Industrial Areas (Poland)
UPSOIL representative

Dr. Markus Ebert, University of Kiel (Germany)
RUBIN & PRB/RZ representative

Dr. Marco P. Papini, University of Rome (Italy)
PRB/RZ representative

Alícia Navarro-Ortega, IDAEA-CSIC (Spain)
SCARCE representative

Local Organising Committee

Leen Bastiaens, VITO, Belgium (chair)

Vicens Marti, CTM, Spain

Griet Dierckx, VITO, Belgium (secretary)

With support of the SCARCE project

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