

R3Water 3rd Cross cutting issue workshop

"Innovations for water reuse, valuable recovery and resource efficiency"

WHEN: 16th November 2016, 10.30 – 13:30 CET

WHERE: iWater, Fira de Barcelona/ Spain
Room: 4.4
Address: Av. Joan Carles I, 64
08908 L'Hospitalet de Llobregat
Barcelona

<http://www.iwaterbarcelona.com/en/>

AGENDA

10:00 Registration

10:30 Welcome and introduction to R3Water

Uwe Fortkamp/ Klara Westling (IVL, Sweden)

10:45 Keynote: Lluis Sala (Consorci de la Costa Brava - CCB)

Examples of reuse of water, recovery of valuable and resource efficiency in the Costa Brava

11:10 R3Water technologies: Reuse of water

Chair: Sergio de Campos (ADASA, Spain)

- DosControl - Dosification concept for the control of reclaimed water disinfection
- AquaBio online measurement of *Escherichia coli* and total coliforms
- AQUATRACK online monitoring for pathogen bacteria and parasites like *Cryptosporidium* and *Giardia*

→ *Discussion: Reuse of water*

11:40 Coffee break

11:55 R3Water technologies: Resource recovery

Chair: Mona Arnold (VTT, Finland)

- Hydrothermal carbonisation (HTC)
- Product processing concept for incinerated sludge ash valorization including its high value use as construction material and fertilisers

→ *Discussion: Resource recovery*

12:20 R3Water technologies: Resource efficiency

Chair: Graeme Hitchen (Perlemax, UK)

- Perlemax aeration system and Perlemax system for biogas optimization
- Improved Anammox control system
- Model based predictive control
- OptimEDAR for aeration optimization
- Model based energy audit tool

→ *Discussion: Resource efficiency*

13:05 Final Discussion and wrap-up of the workshop

Uwe Fortkamp/ Klara Westling (IVL, Sweden)

13:30 End of the workshop

Snacks/ drinks

Possibility to have B2B meetings with technology owners (see registration form)