

Organisation

The workshop is jointly organized by the German Federal Institute of Hydrology (BfG), the International Centre for Water Resources and Global Change (ICWRGC), the UNESCO-IHP's International Initiative on Water Quality (IIWQ) in conjunction with the Water-JPI project FRAME and its partner institutions, BRGM (French Geological Survey), IRSA (Institute of Aquatic Research, Italy), TUM (Technical University of Munich, Germany), NIVA (Norwegian Institute of Water Research) and ISS (National Institute of Health, Italy).

Venue and dates

The workshop will be hosted at the German Federal Institute of Hydrology, Am Mainzer Tor 1, 56068 Koblenz, Germany from the 6th to 8th March 2018.

Contact

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Workshop "Assessment and Management of Indirect Potable Reuse"

6–8 March 2018 in Koblenz

Rationale

The practice of the purposeful addition of highly treated reclaimed water after passage through an environmental buffer to augment a drinking water supply is referred to as planned or intentional indirect potable reuse (IPR). IPR provides options to maintain sufficient water quantities for communities in the future and is crucial to achieving sustainable development goals of the UN 2030 agenda. However, the application of IPR technologies is still limited by a perceived higher risk and regulatory constraints.

Objectives

This workshop aims to review innovations in regulation, treatment and assessment techniques and management options in the field of IPR, as well as the direction of future developments. Thereby the main focus is to initiate a discussion with stakeholders, decision-makers and scientists involved in IPR at a cross-border level, giving also the opportunity to consider related challenges and enhance opportunities for collaboration in the future.

Workshop topics

- **Water quality assessment**
 - Pathogens
 - Chemicals of emerging concern and transformation products
 - *In vitro* and *in vivo* bioassays
 - Antibiotic resistance
 - Modelling strategies
- **Innovative treatment processes**
 - Ozonation, activated carbon
 - Sequential biofiltration
 - Sequential managed aquifer recharge

- **Regulatory frameworks and public perception**
 - Experience in California, Australia
 - EU initiatives on water reuse
 - Innovative policy approaches
 - Hazard identification
- **Potable Water reuse in practice**
 - Koksijde, Belgium
 - Windhoek, Namibia
 - Port de la Selva, Spain
 - United States

Participants

The workshop is targeted to scientists and engineers from the fields of water reuse, wastewater treatment and drinking water production as well as policy experts for water quality. Keynotes on the main topics will be provided by international experts.

Registration

Please register by visiting www.frame-project.eu before 9th February 2018.

Posters are welcome, please provide the title during registration.

There are no workshop fees. Bursaries are available to cover transport and accommodation for participants from developing countries, please visit the project website for more details.

www.frame-project.eu

Programme summary

For a detailed programme, please visit www.frame-project.eu.

Monday, 5th March 2018

19:00 Get-together dinner
(Restaurant Weindorf, Koblenz)

Tuesday 6th March 2018

09:00 – 10:45 Registration and introduction
Overview: WHO guidelines for potable water reuse – David Cunliffe
(South Australia Health)

11:15 – 14:45 Session 1: Water reuse in practice,
Torrelee, Belgium – Emmanuel van Houtte (IWVA, Belgium); Windhoek,
Namibia – Pierre van Rensburg
(Department of Urban and Transport Planning, City of Windhoek)

15:00 – 17:30 Session 2: Innovative techniques
and modelling in approaches to
water reuse

19:30 Dinner

Wednesday, 7th March 2018

09:00 – 10:30 Session 3: Regulation and assessment

11:00 – 12:30 Session 4: Water Quality - Emerging
contaminants

14:30 Afternoon programme: Boat tour
on the Rhine River from Koblenz to
Boppard

Thursday, 8th March 2018

09:00 Appropriate technologies for IPR in
developing countries – Karl Linden
(U. Colorado, USA)

09:30 – 12:15 Session 5: Future visions for CEC
assessment

12:15 End of workshop

