

Workshop 7

Water Reuse for Agricultural and Urban Landscape Irrigation: German, European and International Perspectives

BMBF funding program 'WavE'

16 March 2025, 14:00 - 17:00

Meeting Room 2.4.1 – 2.4.3

This interactive workshop will foster a discussion among leading experts and workshop participants regarding opportunities and challenges for water reuse practices that exhibit significant growth in the recent past - urban landscape and agricultural irrigation.

- Actual status of European Water Reuse Regulation (2020/741) (Regulation on minimum requirements for water reuse) as well as the regulation implementation in Germany (DWA-M 1200) and other Member state
- Short impulse lectures to highlight lessons learned regarding opportunities and implementation challenges of water reuse practices and risk management strategies considering experiences from Germany. **You will get insights in very extensive studies not only on classical pathogenesis as well as in handling of trace organic chemicals and their risk-based assessment.**
- Moderated panel / plenum discussion with European and international experts on how existing challenges regarding these water reuse practices could be best overcome.
- Questions and comments from the workshop participants are welcome to enrich these discussions.

Our panel of experts from research and engineering practice will present ongoing research related to non-potable reuse of municipal wastewater effluents for landscape and agricultural irrigation, which is part of the around 60 million Euro research program 'Water Reuse Technologies (WavE)' funded by the German Federal Ministry of Research (BMBF (www.bmbf-wave.de/en)).

Program:

PART 1 (duration: 1h 15 min)

Urban / Non potable reuse – Opportunities and challenges

Moderator: Thomas Track / DECHEMA (TransWavEplus)

14:00 Impulse lectures - Experiences & Lessons learned (10/20 min):

- The EU Water Reuse Regulation: Ensuring Safety through Risk Management (**10 min**)
Roberta Maffetone / Joint Research Centre (JRC), European Commission, Belgium
- Implementing non-potable reuse regulations in Germany (DWA-M 1200) & German Reuse projects (Nutzwasser & TrinkWave Transfer) (**ca. 20 min**)
Jörg E. Drewes / Technical University of Munich, Germany

14:30 Panel discussion and Q&A (**45 min**):

- **Roberta Maffetone** / Joint Research Centre (JRC), European Commission, **Belgium**
- **Jörg E. Drewes** / Technical University of Munich, **Germany**

15:15 *Coffee break* (duration: 30 min)

PART 2 (duration: 1h 15 min)

Agricultural and urban reuse – Opportunities and challenges

Moderator: Jörg E. Drewes / Technical University of Munich

15:45 Impulse lectures – Experiences & Lessons learned (10 min each):

- *Project Flextrat (10 min)*
Thomas Wintgens / RWTH Aachen University
- *Project Hypowave+ (10 min)*
Martina Winker / ISOE
- *Project PU2R (10 min)*
Jens Haberkamp / FH Münster
- *Project TrinkwaveTransfer (10 min)*
Regina Gnirss / Berliner Wasserbetriebe

16:15 Panel discussion and Q&A (45 min):

- **Stevo Lavrnic** /University Of Bologna, **Italy**
- **Jörg Helmschrot** /WASANet Windhoek, **Namibia**
- **Thomas Wintgens** / RWTH Aachen University, **Germany**
- **Martina Winker** / ISOE, **Germany**
- **Jens Haberkamp** / FH Münster, **Germany**
- **Regina Gnirss** / Berliner Wasserbetriebe, **Germany**

17:00 Adjourn