

Online Seminar of the BMBF Funding Measure WavE Innovative Approaches to Grow Water Reuse Applications

28 April 2021, 10 – 12 am CEST

Sufficient supply of water of adequate quality is essential for human wellbeing as well as for sustainable regional development and for an intact environment. Excessive use and pollution and a still growing water demand worldwide represent major challenges concerning the availability of water resources. With water stress rising due to climate change impacts, achieving an increase in water availability through reuse and desalination is not only crucial for semi-arid and arid regions but also for traditionally more moderate climates.

The Webinar will **feature innovative approaches and solutions for the reuse of treated municipal wastewater as an alternative resource** to increase water availability and minimize the competition between different sectors such as municipalities, agriculture, and industry.

These solutions were developed in projects under the funding measure “Future-oriented Technologies and Concepts to Increase Water Availability by Water Reuse and Desalination – [WavE](#)” sponsored by the German Federal Ministry of Education and Research (BMBF).

Free of charge - [Registration](#)

Programme:

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| 09:50 | Web Conference room is open |
| 10:00 | Welcome: C. Jungfer/DECHEMA e.V./D
Introduction: J.E. Drewes/TU Munich (Moderator) |
| 10:15 | Offline and online flow cytometric monitoring of microbiological changes in reuse water along the treatment train (MULTI-ReUse)
A. Nocker /IWW Water Centre |
| 10:35 | Opportunities for resource efficient water reuse using hydroponic systems (HypoWave)
A. Bliedung/(former) TU Braunschweig |
| 10:55 | Nature-based hybrid solutions using sequential managed aquifer recharge (SMART) for non- and potable water reuse (TrinkWave)
U. Hübner/TU Munich |
| 11:15 | Non-potable water reuse in Namibia using modified waste stabilization ponds using different pretreatment technologies (EPoNa)
S. Lackner/TU Darmstadt |
| 11:35 | Discussion |
| 11:50 | Adjourn |