

Online Seminar of the BMBF Funding Measure WavE Managements of Concentrates in the Context of Water Reuse

26 April 2021, 2 – 4 pm CEST

Sufficient supply of water of adequate quality is essential for human physical wellbeing as well as for sustainable regional development and for an intact environment. Excessive use and pollution and the still growing water demand 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.

Salts and residuals - in addition to treated water - are the second major material stream in water reuse. The webinar will feature **innovative approaches and solutions for the management of concentrates**. Requirements for the utilization and disposal of salts and residues and as well as technologies for the treatment of highly concentrated (salt) streams will be addressed.

The 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:

- 13:50 Web Conference room is open
- 14:00 Welcome: **Christina Jungfer/DECHEMA e.V.**
Introduction: **Sven Geißen/TU Berlin (Moderator)**
- 14:15 Brines from industrial water recycling: New ways to resource recovery
(*HighCon*)
Malena Kieselbach/TU Berlin
- 14:35 Approaches and technologies to treat membrane concentrates (*KonTriSol*)
Sebastian Egner/TZW Karlsruhe and Xenia Mutke/Uni Duisburg-Essen
- 14:55 *Short break*
- 15:00 Recycling of industrial process brines (*Re-Salt*)
Yuliya Schießler/Covestro
- 15:20 *Guest lecture:* Re-designing the value and supply chain of water and minerals: A circular economy approach for the recovery of resources from brine generated by process industries (*Zero Brine*)
Dimitris Xevgenos/TU Delft
- 15:40 Discussion
- 16:00 Adjourn