

I herewith register for the dex summer school  
from 30<sup>th</sup> June to 04<sup>th</sup> July, 2025  
in Rottenbach This registration is binding.

Title or function

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First and family name, company, address

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Country/ postcode/ city

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E-mail/ mobile phone

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The total amount of EUR 500 - (no VAT) will be  
transferred to the bank account Sparkasse (Germany):

Klaus Jilg

BIC NOLADE21ROS

IBAN DE84 1305 0000 1260 1011 06

Please indicate your name and the reference  
„dex summer school” on your transfer order.

Place/ date/ signature

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Please send your registration form via  
e-mail to [info@expertenrat.org](mailto:info@expertenrat.org)

**Registrations are limited to 25 participants and will be  
accepted until 27<sup>th</sup> May 2025. First come first served**

11<sup>th</sup> dex summer school 2025 Rottenbach / Austria  
[www.expertenrat.org](http://www.expertenrat.org)

Advanced course on

# Water Quality Management

30<sup>th</sup> June to 04<sup>th</sup> July, 2025

## **\*\*Primary Goal of the DEX Summer School (2025):\*\***

The DEX Summer School 2025 primarily aims to support knowledge surrounding the newly ratified EU- Urban Waste Water Directive (UWWD) from November 5, 2024. This program equips participants with the advanced knowledge and practical skills needed to comply with this directive, promoting effective water quality management across Europe.

## **\*\*Goals and Structure:\*\***

The summer school focuses on sharing advanced methodologies and recent research for water quality management in line with European water legislation, especially the Water Framework Directive. By creating a common professional language, it enhances international networking among young water professionals and strengthens collaborative teamwork across disciplines.

## **\*\*Approach:\*\***

Since 2009, the DEX Summer School has gathered over 200 young water professionals from 15 countries, maintaining a curriculum of core lectures enriched with emerging topics. The 2025 program includes renowned academics with both scientific and practical expertise, providing an unparalleled educational experience.

## **\*\*Course Content:\*\***

Topics include, Advanced scientific background, Latest technologies for water and wastewater management, Practical aspects of sewer systems, wastewater treatment, sludge processing, and energy management

## **\*\*Participants:\*\***

Geared toward post-graduate students and young professionals in engineering and related fields, the program emphasizes participation from the new EU member states and Eastern Europe, helping develop a skilled, globally connected workforce.

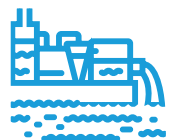


Sunday, 29 June 2025

**17:00** Arrival at accommodation in Gepoltskirchen

**19:00 – 22:00** Dinner with dex professors

DAY 1: Monday, 30 June 2025



## Legal requirements and basic principles of wastewater and stormwater management



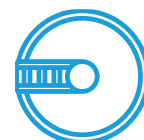
- 08:30 – 09:00** Introduction  
Prof. Dr.-Ing. F.W. Günthert, Uni Bw München (DE)
- 09:00 – 09:30** Introduction  
Dr.hc. U. Kubinger, VTA (AT)
- 09:30 – 12:00** The new EU Urban Wastewater Treatment Directive (UWWTD) and basic design principles for wastewater treatment  
Prof. Dr.-Ing. Norbert Jardin
- 13:00 – 16:00** Integrated urban drainage and stormwater management  
Dipl.-Ing., Dipl.-Umweltwiss. Andreas Obermayer UNITECHNICS

*Barbecue evening*

DAY 2: Tuesday, 01 July 2025



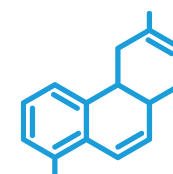
## Wastewater treatment technologies



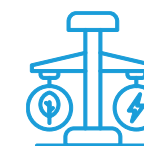
- 08:30 – 10:00** Primary and secondary settling tanks – design, operation and modelling  
Univ-Doz. Dr. Miklós Patziger Budapest University of Technology and Economics (HUN)
- 10:00 – 12:30** Laboratory work – sludge parameters, biosensors & microscopical analyses  
Prof. Dr.-Ing. R. Hilliges, HS Augsburg (DE), PD Dr. M. Seidel, TU München (DE)  
A. Gabriel, MSc., VTA (AT)
- 13:30 – 16:30** Aerobic wastewater treatment – activated sludge, granular sludge and biofilm systems  
Prof. Dr.-Ing. M. Wichern, Ruhr-Uni Bochum (DE)

*Get together with Austrian specialities*

DAY 3: Wednesday, 02 July 2025



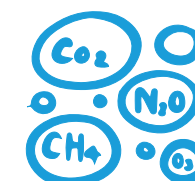
## Anaerobic Wastewater und Sludge management



- 08:00 – 10:00** Anaerobic wastewater and process water treatment  
Prof. Dr.-Ing. K.-H. Rosenwinkel, Leibnitz Uni Hannover (DE)
- 10:00 – 12:00** Sludge management  
Prof. Dr.-Ing. N. Dichtl, TU Braunschweig (DE)
- 13:00 – 15:00** Phosphorous recovery  
Prof. Dr.-Ing. A. Weideler, TH Nürnberg Georg Simon Ohm (DE)

*Afternoon excursion: Professional excursion to WWTPs*

DAY4: Thursday, 03 July 2025



## Enhanced wastewater treatment, resource recovery and optimization (Energy, GHG emissions...)



- 08:30 – 10:30** Enhanced nutrient and micropollutant removal  
Prof. Dr.-Ing. M. Barjenbruch, TU Berlin (DE)
- 10:30 – 12:30** Membrane technology and water reuse  
Prof. Dr.-Ing. F.-B. Frechen, Uni Kassel (DE)
- 13:30 – 15.30** Optimizing energy efficiency and GHG emissions of WWTPs  
Prof. Dr.-Ing. J. Krampe, TU Wien (AT)

*Afternoon excursion: Cultural Linz*

DAY 5: Friday, 04 July 2025



## Alternative wastewater treatment concepts and global perspective



- 08:30 – 11:00** “Resource oriented sanitation”  
Prof. Dr.-Ing. Silvio Beier
- 11:00 – 13:00** Urban Water Management – global aspects  
Prof. Dr. techn. H. Kroiss, TU Wien (AT)
- 13:00 – 13:30** Closing ceremony

