

Advanced course on

# Water Quality Management

05<sup>th</sup> July to 10<sup>th</sup> July, 2020

## Goals of dex summer school

Transfer of scientific background, advanced knowledge and actual experience on methodologies and technologies for water quality management as it is required to implement European water legislation (Water Framework Directive), supported by new scientific research results. Progress in this trans-disciplinary field of expertise relies on a common professional language which will promote international networking of (young) water professionals and enhance teamwork.

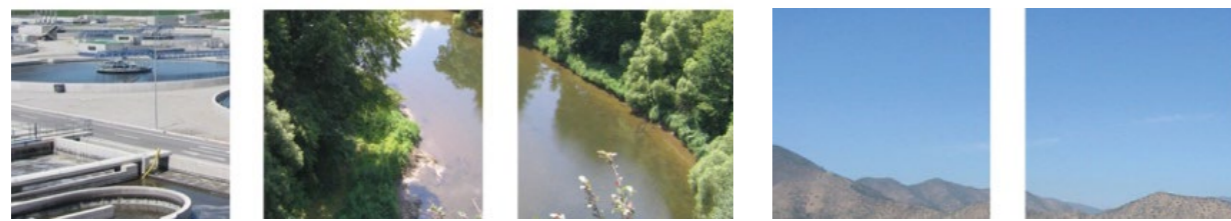
## 2020

The dex summer school started in 2009 and was successfully continued since then with more than 200 young water professionals from 15 countries. The 2020 program follows the strategy of maintaining basic lectures enriched with new topics of interest. All teachers are internationally well recognised academics with long term scientific and practical experience in the field of their lectures and beyond: A unique opportunity.

The content of the course includes: advanced scientific background, state-of-the-art technology, experiences and practical aspects for the design and operation of sewer systems, wastewater treatment plants, sludge treatment and energy management.

## Participants

Post-graduate and doctoral students (civil/environmental engineering or related), young water professionals from consulting companies, utilities, authorities and equipment suppliers from all over the world. Special emphasis on young professionals from the new EU member states and accession countries in Eastern Europe.



## Sunday, 05 July 2020

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

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

## Monday, 06 July 2020

**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** Sewerage Master Plan

Prof. Dr. T. Ertl (AT)

**13:00 – 16:00** Sewage disposal in rural areas and possibilities of rainwater management

Prof. Dr.-Ing. M. Barjenbruch (DE)

## *Barbecue evening*

## Tuesday, 07 July 2020

**08:30 – 10:30** Primary and secondary settling tanks and sludge mass balance

Prof. Dr.-Ing. F. W. Günthert, Uni-Bw München (DE)

**10:30 – 12:00** Activated sludge process design I

Prof. Dr.-Ing. M. Wichern, Ruhr-Uni Bochum (DE)

**13:00 – 16:00** Activated sludge process design II

Prof. Dr.-Ing. M. Wichern, Ruhr-Uni Bochum (DE)

## *Get together with Austrian specialities*

## Wednesday, 08 July 2020

**08:30 – 12:00** Laboratory work – sludge parameters and microscopical analyses

Prof. Dr.-Ing. R. Hilliges, HS Augsburg (DE), M. Grill, M.Sc., VTA (AT)

**13:00 – 15:30** Energy considerations for WWTPs

Prof. Dr.-Ing. J. Krampe, TU Wien (AT)

## *Professional excursion to WWTPs*

## Thursday, 09 July 2020

**08:30 – 12:00** Membrane technology

Prof. Dr.-Ing. F.-B. Frechen, Uni Kassel (DE)

**13:00 – 16:00** Sludge treatment and disposal

Prof. Dr.-Ing. N. Dichtl, TU Braunschweig (DE)

## *Afternoon excursion: Cultural Linz*

## Friday, 10 July 2020

**08:30 – 11:00** Rehabilitation of a river system – case study Emscher

Prof. Dr.-Ing. N. Teichgräber, EGLV (DE)

**11:00 – 13:00** Urban Water Management – global aspects

Prof. Dr. techn. H. Kroiss, TU Wien (AT)

**13:00 – 13:30** Closing ceremony

## Registration

Please register until 31<sup>st</sup> May 2020  
(by fax or e-mail), using the attached form.

## Costs

Total costs for fee and accommodation are € 390.-  
The fee includes full board, the bus transfer to the accommodation  
and excursions.

Accommodation in double bedrooms  
from 05<sup>th</sup> July to 10<sup>th</sup> July 2020.  
Single bedrooms are available at additional costs.

Confirmation of registration will be sent after  
payment of € 390.- has been received.

## Bank account

Commerzbank (Germany):  
dex  
BIC COBADEFFXXX  
IBAN DE91 7004 0041 0333 4380 00

## Venue

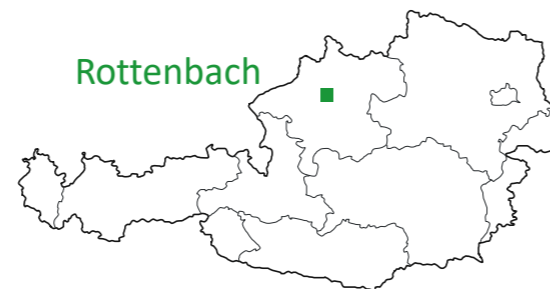
VTA Austria GmbH  
Umweltpark 1  
A-4681 Rottenbach / OÖ  
Austria

## Organiser

Deutscher Expertenrat (dex)  
www.expertenrat.org  
German Experts  
Association for Environmental  
Technology and Infrastructure

## Presenters

Prof. Dr.-Ing. M. Barjenbruch, Prof. Dr.-Ing. N. Dichtl, Prof. Dr. Th. Ertl,  
Prof. Dr.-Ing. F.-B. Frechen, Prof. Dr.-Ing. F.W. Günthert,  
Prof. Dr.-Ing. R Hilliges, Prof. Dr.-Ing. J. Krampe, Prof. Dr.techn. H. Kroiss,  
Prof. Dr.-Ing. B. Teichgräber, Prof. Dr.-Ing. M. Wichern



**I herewith register for the dex summer school**  
from 05<sup>th</sup> July to 10<sup>th</sup> July 2020 in Rottenbach  
This registration is binding.

Title or function

---

First and family name, company, address

---

---

---

Country/ postcode/ city

---

---

E-mail/ mobile phone

---

---

The total amount of EUR 390.- (no VAT) will be  
transferred to the bank account Commerzbank (Germany):  
dex  
BIC COBADEFFXXX  
IBAN DE91700400410333438000

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

Place/ date/ signature

---

Please send your registration form either  
by fax to +49-8092-854579 or by  
e-mail to [info@expertenrat.org](mailto:info@expertenrat.org)

**Registrations will be accepted until 31<sup>st</sup> May 2020**

