

Advanced course on

Water Quality Management

25th June to 30th June, 2023

Goals of dex summer school

Transfer of scientific background, advanced knowledge and actual experience on methodologies and technologies for water quality management in order to meet the UN SDGs, especially SDG 6, supported by new scientific research results. Special emphasis will be given to the European Water legislation. The course will markedly contribute to transfer a common professional language promoting international networking of (young) water professionals and enhance teamwork.

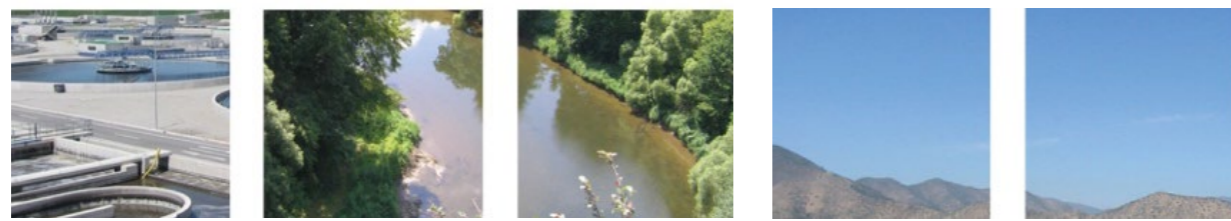
2023

The dex summer school started in 2009 and was successfully continued since then with more than 200 young water professionals from 15 countries. The 2023 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, 25 June 2023

17:00 Arrival at accommodation in Gepoltskirchen

19:00 – 22:00 Dinner with dex professors

Monday, 26 June 2023

08:30 – 09:00 Introduction

Prof. Dr.-Ing. F.W. Günthert, Deutscher Expertenrat (dex) (DE)

09:00 – 09:30 Introduction

Dr.hc. U. Kubinger, VTA (AT)

09:30 – 12:00 Urban Water Management – global aspects

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

13:00 – 16:00 Rehabilitation of a river system – case study Emscher

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

Barbecue evening

Tuesday, 27 June 2023

08:30 – 11:00 Sewerage Master Plan

Prof. Dr. T. Ertl, Boku Wien (AT)

11:00 – 12:30 Primary and secondary settling tanks and sludge mass balance

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

13:30 – 16:30 Activated sludge process design

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

Get together with Austrian specialities

Wednesday, 28 June 2023

08:30 – 09:30 Fast detection methods for pathogens and antibiotic resistant bacteria in wastewater

PD Dr. M. Seidel, TU München (DE)

09:30 – 12:30 Laboratory work – sludge parameters and microscopical analyses

Prof. Dr.-Ing. R. Hilliges, HS Augsburg (DE), PD Dr. M. Seidel, TU München (DE)

A. Gabriel, MSc., VTA (AT)

13:30 – 15:30 Energy considerations and GHG emissions of WWTPs

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

Professional excursion to WWTPs

Thursday, 29 June 2023

08:30 – 12:00 Membrane technology

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

13:00 – 16:00 Phosphorous elimination and recovery from wastewater

Prof. Dr.-Ing. M. Barjenbruch, TU Berlin (DE)

Afternoon excursion: Cultural Linz

Friday, 30 June 2023

08:00 – 11:00 Sludge treatment and disposal

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

11:00 – 13:00 Anaerobic waste- and process water treatment

Prof. Dr.-Ing. K.-H. Rosenwinkel, Leibnitz Uni Hannover (DE)

13:00 – 13:30 Closing ceremony

Registration

Please register until 27th May 2023
(by fax or e-mail), using the attached form.

Costs

Total costs for fee and accommodation are € 450.-
The fee includes full board, the bus transfer to the accommodation
and excursions.

Accommodation in double bedrooms
from 25th June to 30th June 2023.
Single bedrooms are available at additional costs.

Confirmation of registration will be sent after
payment of € 450.- 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. K.-H. Rosenwinkel, PD Dr. M. Seidel,
Prof. Dr.-Ing. B. Teichgräber, Prof. Dr.-Ing. M. Wichern



**I herewith register for the dex summer school
from 25th June to 30th June 2023 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 450.- (no VAT) will be
transferred to the bank account Commerzbank (Germany):
dex
BIC COBADEFFXXX
IBAN DE91 7004 0041 0333 4380 00

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

Registrations will be accepted until 27th May 2023

