

## 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) and is supported by new scientific research results.

Progress in this trans-disciplinary field of expertise relies on a common professional language which will promote international human networking of (young) water professionals and enhance team working.

## 2012

The DEX summer school was very successful with 27 young water professionals from 12 different countries, it was decided to repeat the course with small broken changes in 2012 We add one day with drinking water.

The contents of the last course covers: Advanced scientific background, actual knowledge and practical aspects, modern methods and technologies for wastewater treatment, sludge-handling, drinkingwater and disposal.

## Participants

Post graduate and doctoral students (civil/environmental engineering or similar), young water professionals from consulting companies, expert companies from all of Europe.

Special emphasis on young professionals from the new EU and accession countries in Central and Eastern Europe (sponsoring of fee possible). Maximum ~25 participants.

## Fourth dex summer school

2012

Rottenbach / Austria

### Advanced course on waste water treatment and drinkingwater

#### Sunday, July 15

17:00 Arrival at Geboltskirchen  
19:00 – 22:00 Dinner with dex professors

#### Monday, July 16

8:30 – 09:00 Introduction  
Prof. Dr. Norbert Matsché  
(TU Wien, A)  
9:00 – 12:00 Activated sludge process  
design, nitrification, denitrification,  
phosphorus removal  
Prof. Dr. Norbert Matsché  
(TU Wien, A)  
13:30 – 17:30 laboratory work  
Prof. Dr. Norbert Matsché  
Dr. B. Auer (VTA / A)

#### Tuesday, July 17

8:30 – 12:15 Secondary settling tank and  
sludge mass balance  
Prof. Dr.-Ing F. Wolfgang Günthert  
(UniBw München, D)  
13:30 – 16:00 Sludge treatment and disposal  
Prof. Dr.-Ing H. Kroiss  
(TU Wien, A)  
Afternoon: professional excursion to  
(Mauthausen treatment plant)

#### Wednesday, July 18

8:30 – 11:00 Masterplan ( GEP )  
Dr.Th. Ertl (BoKu Wien, A)  
11:00 – 12:30 Rehabilitation of sewers  
Dr. Th. Ertl ( BoKu Wien, A)  
13:30 – 15:15 Sewersystems in rural areas  
Prof. Dr.-Ing M. Barjenbruch  
(TU-Berlin, D)  
15:30 – 18.00 Wastewater treatment in rural  
areas and developing countries  
Prof. Dr. R. Haberl  
(BOKU-Wien, A)

Barbecue evening

#### Thursday, July 19

8:30 – 11:30 Resource based sanitation  
Prof. Dr.-Ing J. Londong  
(Bauhaus-Uni. Weimar, D)  
12:30 – 14:30 Odour in sewers and wwtp`s  
Prof. Dr.-Ing F.-B. Frechen  
(Uni-Kassel ,D)  
Afternoon excursion: Cultural Linz  
Prof. Londong, Prof. Frechen  
Dipl.-Ing. Robert Hoßfeld

#### Friday, July 20

8:30 – 11:45 Drinking-Water  
Dr.-Ing.habil.S.Krause  
(Uni-Bw., D)  
11:45 – 12:30 Waterbackpack (PAUL )  
Prof. F-B.Frechen  
(Uni -Kassel, D)  
13:30 – 14:30 Closing ceremony