

## 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.

2013

*The first dex summer school in 2009 was very successful with 27 young water professionals from 12 different countries. It was decided to repeat the course with changes of the program in 2013.*

The contents of the course covers: Advanced scientific background, actual know-ledge and practical aspects, sewer systems, modern methods and technologies for wastewater treatment, sludge-handling 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.

## Fifth dex summer school

2013

Rottenbach / Austria

### Advanced course on waste water treatment

#### Sunday, July 14

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

#### Monday, July 15

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)

#### Tuesday, July 16

8:30 – 12:15 Planning and Construction of  
waste water treatment systems  
13.30-16.00 -design data  
-planning and construction  
Prof. Dr.-Ing Norbert Jardin  
Ruhrverband - D  
Afternoon: professional excursion to  
(Mauthausen treatment plant)

#### Wednesday, July 17

8:30 – 12:15 Secondary settling tank and  
sludge mass balance  
Prof. Dr.-Ing.F.Wolfgang Günthert  
Uni-Bw. München D  
13.30– 17.00 Sludge treatment and disposal  
Prof.Dipl.-Ing Dr techn.H.Kroiss  
Tu-Wien A  
Barbecue evening

#### Thursday, July 18

8:30 – 11:00 Masterplann ( GEP )  
Dr. Th. Ertl Boku Wien A  
11:00– 12.30 Sewer systems (pressure,vacuum)  
Prof. Dr.-Ing H. Eckstädt  
TU Rostock D  
13:30- 16:00 Wastewater treatment in rural  
areas and developing counties  
Prof.Dr.R.Haberl Boku Wien A

Afternoon excursion: Cultural Linz

#### Friday, July 19

8:30 – 11:00 Resource based sanitation  
Prof. Dr.-Ing J. Londong  
Bauhaus-Uni Weimar D  
11:00 – 13:30 Operation of WWTP  
Prof.Dipl.-Ing Dr.H. Kainz  
TU Graz A  
13.30 – 14.30 Closing ceremony