



## Training on Natural Systems for Drinking Water Treatment

4-5 October 2010

UNESCO-IHE, Delft, The Netherlands

### The TECHNEAU Project and Consortium

TECHNEAU is one of the largest EC projects working on developing both new technologies and strategies to ensure safe and healthy drinking water. In both industrialized and developing countries, there is a growing concern about the ability of traditional drinking water supply systems and existing technologies to cope with present and future demands and threats.

In January 2006 the TECHNEAU project was started to face these challenges during a five-years period. The project is divided into seven technical work areas, providing new and improved technologies, monitoring tools and risk management practices for the whole water supply chain. Stakeholders are targeted from the whole drinking water sector to cover all aspects of the water supply system and to include water utilities, water authorities, research institutes, water technology suppliers and NGOs.

### The TECHNEAU consortium consists of:

#### Universities

Riga Technical University (LV), NTNU (N), UNESCO-IHE (NL), University of Surrey (UK), RWTH Aachen (D), Chalmers University of Technology (S), TU Delft (NL), FU Berlin (D), Indian Institute of Technology Delhi (IND IIT)

#### Research and Technology Institutes

Kiwa Water Research (NL), SINTEF (N), KWB (D), EAWAG (CH), TZW (D), WRc (UK), LNEC (P), Water Research Commission (SA), Anjou Recherche Veolia (FR), Institute of Freshwater Ecology and Inland Fisheries/ Forschungsverbund Berlin e.V. (D), Mekorot (IL), Swartz Water Utilisation Engineers (S/ZA), National Institute of Public Health (CZ)

#### Technology providers / SME

EUCETSA (B), BDS (NL), ALPHA M.O.S. (FR), S::can (A), Aqualyng (N), Opalium (FR), bbe Moldaenke (D), Vermicon (D)

### Contact for general information on TECHNEAU

Dr. Theo van den Hoven (KWR, The Netherlands)  
Email: [theo.van.den.hoven@kwr.nl](mailto:theo.van.den.hoven@kwr.nl)

### Training on Natural Treatment Systems

As a part of EU TECHNEAU project Work Area 8 Dissemination and Training, together with Kompetenzzentrum Wasser Berlin (KWB), Germany, UNESCO-IHE is organizing a 2-day training on "Natural Systems for Drinking Water Treatment" in which results of EU TECHNEAU project activities on natural treatment systems will be shared. Additionally, some key experts from Germany and The Netherlands will give guest lectures on bank filtration and artificial recharge

### Additional information on Training on Natural Treatment Systems can be obtained from:

Dr. Saroj Sharma  
UNESCO-IHE, Delft, The Netherlands  
Email: [s.sharma@unesco-ihe.org](mailto:s.sharma@unesco-ihe.org)

### Registration and Contact

**Date:** 4-5 October 2010

**Venue:** UNESCO-IHE, Delft, The Netherlands

**Participation fee:** Free (for participants from EU TECHNEAU Project Partners), Euro 100 for others

For registration please fill the attached registration form and send it to the address below by email, fax or post.

#### Contact person:

Dr. Saroj Sharma,  
UNESCO-IHE, Institute for Water Education  
Westvest 7  
26111 AX,  
Delft, The Netherlands  
Tel. +31 15 2151 772,  
Fax: +31 15 2122921  
Email: [s.sharma@unesco-ihe.org](mailto:s.sharma@unesco-ihe.org)



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**Training Programme**

**Day 1: Monday, 4th October 2010**

- 8:00 - 9:00**      **Registration**
- 9:00 - 10:00**    **Opening**
- Welcome by UNESCO-IHE
  - Introduction to EU TECHNEAU project and EU TECHNEAU Training
- 10:00 - 10:30    Tea/Coffee Break
- 10:30 - 11:00**    **Introduction to Natural Systems for Water Treatment**  
*Dr. Saroj Sharma (UNESCO-IHE)*
- 11:00 - 12:30**    **River Bank Filtration: Siting, Design and Experiences in Germany**  
*Prof. Thomas Grischek (University of Applied Sciences, Dresden)*
- 12:30 - 14:00    Lunch Break
- 14:00 - 15:30**    **Aquifer Recharge via Infiltration Ponds: General Design and Practical Experiences in Germany**  
*Dr. Gesche Gruetzmacher (KWB)*
- 15:30 - 15:45    Tea/coffee Break
- 15:45 - 17:30**    **Experiences with BF/ARR/ Dune Infiltration in The Netherlands**  
*Prof. Pieter van Stufzand (KWR)*
- 19:00**            **Dinner at UNESCO-IHE**

**Day 2: Tuesday, 5th October 2010**

- 8:45 - 10:30**    **The Bank Filtration Simulator – a Simple Tool for Simulating BF systems**  
*Michael Rustler (KWB)*
- 10:00 - 10:45    Tea/Coffee Break
- 10:45 - 12:30**    **The TECHNEAU Decision Support System for Bank Filtration Systems**  
*Michael Rustler (KWB)*
- 12:30 - 14:00    Lunch Break
- 14:00 - 15:30**    **EU TECHNEAU Experiences with River Bank Filtration in India**  
*Christoph Sprenger (FUB)*
- 15:30 - 15:45    Tea/coffee Break
- 15:45 - 16:45**    **Removal of Organic Micropollutants during Subsurface Passage**  
*Dr. Gesche Gruetzmacher (KWB)*
- 16:45 - 17:30**    **Framework for Feasibility Assessment of Bank Filtration System**  
*Dr. Saroj Sharma (UNESCO-IHE)*
- 17:30 - 18:00**    **Closing and Distribution of Certificates**



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**REGISTRATION FORM**

**Title:** .....

**Name:** .....

**Academic Qualification:** .....

**Email:** .....

**Current Position:** .....

**Organization:** .....

**Address:** .....

**Country:** .....

**Telephone:** .....

**Fax:** .....

**Website:** .....

**Dinner on 4 October 2010:** Yes/ No

**Vegetarian:** Yes/ No