

## The TECHNEAU Project and Consortium

In both, industrialised and developing countries, there is growing concern about the ability of traditional drinking water supply systems and existing technologies to cope with present and future demands and threats.

To face these challenges, the TECHNEAU project was started in January 2006 for a five-years period. The broad goal of TECHNEAU is to analyse the present water situation in different regions of the world and to rethink current water supply options.

Targeting stakeholders from the drinking water sector including water utilities, water authorities, research institutes and water technology suppliers. TECHNEAU will provide new and improved technologies, monitoring tools and management practices for the whole water supply chain.

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 (SZA), 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

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Project-website: [www.techneau.eu](http://www.techneau.eu)

## Background of the workshop

Water supply in Europe faces opportunities as well as challenges promoting the application of advanced treatment technologies such as membrane filtration. This technology can improve drinking water quality and tackle pollutants of concern such as disinfection by-product precursors or trace organics.

Although membrane filtration is now applied in an increasing number of installations there is still room for improvement with respect to operational issues. Furthermore, baseline recommendations for a good operational practice have to be developed.

This workshop in the frame of TECHNEAU Work Area 5 "Operation and Maintenance" envisages to present operational experiences and recent results from application-oriented research on ultra- and nanofiltration for drinking water production in Europe.

The event shall provide a platform for an open exchange of information on current issues between operators, research institutes, consultants, membrane suppliers and project contractors.

A range of European speakers will cover the following topics:

- Operational experiences in different European regions
- Integration of membrane filtration in water treatment systems
- Trace contaminants removal
- Nanofiltration of anaerobic groundwater and natural organic matter rich surface water
- Future perspectives of membrane technology in drinking water production



## Ultra- and Nano-filtration in Water Treatment

Workshop on "Operational experience and research results"

Aachen, December 14<sup>th</sup>-15<sup>th</sup>, 2006



Contract-No. 018320



[www.techneau.eu](http://www.techneau.eu)

## Programme for the Workshop December 14<sup>th</sup>, 2006 Morning Session

### December 14<sup>th</sup>, 2006

- 9.00h *Opening lecture*  
Thomas Melin,  
RWTH Aachen University (D)
- 9.15 - 9.45h *The use of ultrafiltration in the public drinking water supply in Germany*  
Pia Lipp, TZW (D)
- 9.45 - 10.15h *Integration of membrane filtration into water treatment systems*  
Jonathan Clement, Black and Veatch Consulting (NL)
- 10.15 - 10.45h Coffee Break
- 10.45 - 11.15h *Nanofiltration of natural organic matter rich surface water in Norway*  
Thor Thorsen and Ingo Machenbach, SINTEF (N)
- 11.15 - 11.45h *Drinking water production from groundwater with anaerobic nanofiltration*  
Bas Rietman, Vitens (NL)
- 11.45 - 12.15h *Results of investigations about trace contaminants removal by reverse osmosis and nanofiltration in drinking water production*  
Andreas Loi-Brügger, IWW (D)
- 12.15 - 13.15h Lunch

## Programme for the Workshop Dec 14<sup>th</sup> Afternoon Session and December 15<sup>th</sup>, 2006

- 13.15 - 13.45h Construction and first operational experiences of the ultrafiltration plant Roetgen (Aachen)  
Walter Dautzenberg,  
WAG Nordeifel (D)
- 13.45 - 14.15h *Operational experiences of the Clay Lane Ultrafiltration Plant*  
N.N., Veolia Water (UK)
- 14.15 - 14.35h Coffee Break
- 14.35 - 15.05h *The IWVA Torreele water re-use plant: operational experiences 2002-2006*  
Emmanuel Van Houtte, IWVA (B)
- 15.05 - 15.35h *Future perspectives of membrane technology in drinking water production*  
Stefan Panglisch, IWW (D)
- 15.35 - 16.15h Open discussion with an expert panel
- 16.15 - 16.30h *Closing*  
Ingo Machenbach, SINTEF (N)
- 16.30h Snacks and Drinks

### December 15<sup>th</sup>, 2006

- 9.00h - 13.00h Excursion to the ultrafiltration drinking water plant in Roetgen (Aachen)

## Registration and Contact

**Date:** December 14<sup>th</sup> and 15<sup>th</sup>, 2006  
**Time:** 9.00-16.30h, Dec. 14<sup>th</sup>, 2006  
9.00-13.00h, Dec. 15<sup>th</sup>, 2006

**Venue:** Guesthouse of the RWTH Aachen University  
Melatener Str. 31  
52074 Aachen  
Germany

**For registration please fill in the form on the TECHNEAU website: [www.techneau.eu](http://www.techneau.eu) → events before December 7<sup>th</sup>, 2006.**

**If you want to participate at the excursion on December 15<sup>th</sup>, 2006 please tick off the respective field in the registration form.**

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**For booking a hotel room in Aachen, please refer to the web page of the Aachen Tourist Service: [www.aachen-tourist.de](http://www.aachen-tourist.de)**