

The TECHNEAU Project and Consortium

In both industrialised 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.

To face these challenges, the TECHNEAU project was started in January 2006 for a five-year 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 whole drinking water sector including water utilities, water authorities, research institutes, water technology suppliers and NGOs, 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

KWR Watercycle Research Institute (NL), SINTEF (N), KWB (D), EAWAG (CH), TZW (D), WRc (UK), LNEC (P), Water Research Commission (RSA), Anjou Recherche Veolia (FR), Institute of Freshwater Ecology and Inland Fisheries/ Forschungsverbund Berlin e.V. (D), Mekorot (IL), Chris Swartz Water Utilisation Engineers (RSA), 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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The Regional Technology Platforms

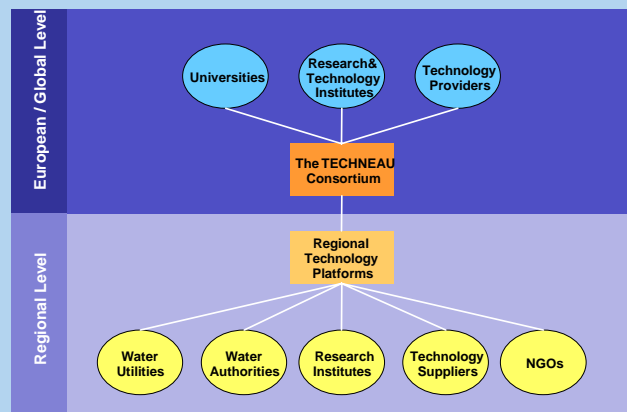
TECHNEAU results are to be shared at Regional Technology Platforms (RTPs), which are one-day workshops that focus on consultation of regional water experts and stakeholders. RTPs will enable intensive information exchange through personal contacts and dissemination of knowledge between the project team, operators, researchers, regulators and technology suppliers on a regional level.

The eighth RTP will take place in Tel Aviv, Israel. The conference will highlight the situation in water stress regions with focus on Israel and will discuss the challenges for the drinking water sector arising from climate change and increasing water scarcity.

The RTP will be supported by the European Commission and the Israeli National Water Company Mekorot.

A wide range of national and international speakers will cover the following topics:

- Challenges and strategies for water stress regions
- Endocrine disrupting compounds and other micropollutants
- Adapted treatment technologies for water stress regions
- Monitoring and control technologies for high water quality
- Water safety planning
- Modelling in water distribution



Advances in technology for safe drinking water under water scarcity conditions

8th Regional Technology Platform
Tel Aviv, June 9, 2010



www.techneau.eu
Contract-No. 018320



Programme for the RTP Tel Aviv, June 9, 2010

9.00h *Welcome address*
Bracha Limoni-Relis, Director Water Quality, Mekorot (IL)

9.10h *TECHNEAU and the global picture of drinking water research*
Theo van den Hoven, KWR (NL), Project coordinator

Challenges and strategies for water stress regions

9.20h *Challenges in water supply and integrated adaptive strategies for water stress regions*
Christian Kazner, RWTH Aachen (D), Coordinator WA I

9.40h *Micropollutants in the urban water cycle and removal options in advanced wastewater treatment - key results from the EU projects Poseidon and Neptune*
Hansruedi Siegrist, EAWAG (CH),
Coordinator of the FP6 NEPTUNE project

10.15h Discussion

Adapted treatment technologies for water stress regions

10.30h *Efficiency of drinking water treatment processes in removal of pharmaceuticals and EDCs*
Stephane Couturier, Veolia Environment,
Anjou Recherche (F), Member of WA II

10.50h Coffee Break

11.10h *The central filtration plant: the challenge of supplying high quality surface water in the era of sea water desalination in Israel*
Samir Hatukai, Mekorot (IL)

11.30h *Identification and quantification of odorous compounds in the National Water Carrier and the potential to remove them by activated carbon*
Yael Dubowski, Technion (IL)

11.50h *Treatment of brackish groundwater*
Bas Heijman, TU Delft (NL), Member of Work Area II

12.10 *MBR as pretreatment in seawater desalination*
Rami Messalem, Ben Gurion University (IL)

12.30h Discussion

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13.00h Lunch

Monitoring and control technologies for high water quality

14.30h *EDC toolbox and fish biomonitor - TECHNEAU tools to monitor drinking water quality*
Frank Sacher, TZW (D), Coordinator WA II

14.50h *Early warning biomonitoring systems in drinking water supplies*
Ram Porat, Chief Biologist Mekorot (IL)

15.10h *Quantitative evaluation of tracers for quantification of wastewater contamination of potable water sources*
Ovadia Lav, Hebrew University Jerusalem (IL)

15.30 Discussion

15.45 Coffee Break

Risk assessment / Risk Management

16.20h *The Water safety planning tool box developed within TECHNEAU*
Thomas Petterson, Chalmers University (S),
Coordinator WA IV

16.40h *Securing water quality in Israel*
Shai Ezra, Mekorot (IL)

17.00h Discussion

Modeling in water distribution

17.10h *Modeling of bacterial transport in a water distribution system: application of TECHNEAU tools in the model validation*
Talis Juhna, TU Riga (LV), Member of WA VII

17.30h *Modeling in management and operation of Mekorot water supply system*
Lea Kronaveter-Goldstein, Mekorot (IL)

17.50h Final Discussion and Summary

18.20h Closing

Registration and Contact

Date: June 9, 2010

Time: 9.00 - 18.30h

Venue: Metropolitan Hotel
15 Trumpeldor St.
Tel Aviv 63803
Israel
www.hotelmetropolitan.co.il

For registration and hotel booking, please refer to the TECHNEAU website: <http://techneau.org/index.php?id=149>

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