

The TECHNEAU Project and Consortium

Training Seminar on Risk Management



Project Background

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 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.

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

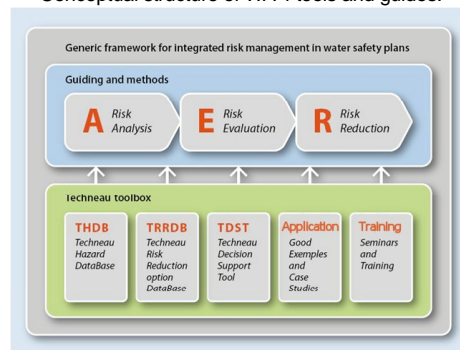
Dr. Theo van den Hoven: theo.van.den.hoven@kiwa.nl

Contact for information on Risk Assessment & Management

Ass. Prof. Thomas Pettersson: thomas.pettersson@chalmers.se

In Work Area 4 (WA 4) Risk Assessment and Risk Management (RA/RM) strategies for integrated risk management in Water Safety Plans (WSP) are developed together with guiding manuals and hands-on tools tailor-made to water utility personnel aiming at carry out integrated risk assessments within water supply systems.

Conceptual structure of WA 4 tools and guides.



One tool in the TECHNEAU RA/RM Toolbox is the training seminars on risk management where knowledge acquired within WA 4 are disseminated in three different regions (North Europe, South Europe and Southern Africa). The first set of seminars on risk assessment was held during 2008. The second set of seminars are focusing on risk management and are held during 2010. Both sets of seminars are designed as two-day workshops including lectures on risk assessment practice and hands-on training exercises. Experts from TECHNEAU (WA 4) are engaged together with local water experts and stakeholders. The seminars are aimed at operators, researchers, regulators and technology suppliers.

This is the first training seminars on risk management that take place in Pretoria, South Africa. The other two seminars will be held in Göteborg, Sweden, and Barcelona, Spain. This seminar will highlight the water situation and risks in water supply systems in Southern Africa. The seminar will be run by Chalmers and organized by WRC and Chris Swartz Water Utilisation Engineers, with support from the European Commission.



Training Seminar on Risk Management of Drinking Water Systems in Southern Africa

WP 4.5 seminar, Pretoria, South Africa 18-19 October 2010

ContractNo. 018320



WP 4.5 Training Seminar on Risk Management

PROGRAM Pretoria seminar, 18-19 Oct 2010

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Monday 18 October

- 08.00 Welcome address and introduction to the seminar
Thomas Pettersson, Jo Burgess, Chris Swartz
- 08.10 South(ern) Africa examples on risk management practice - examples from the participants
Philip de Souza
- 08.40 Overview of risk assessment and Water Safety Plans - Tools from TECHNEAU and example from the Upper Mnyameni system
Chris Swartz
- 09.10 Decision-making strategies
Lars Rosén, Chalmers
- 09.40 Risk management tool; TECHNEU risk reduction option database
Thomas Pettersson
- 10.10 *Coffee/Tea*
- 10.30 Risk management tool; TECHNEU decision support method
Thomas Pettersson
- 11.30 Starting up the risk management exercise
Thomas Pettersson, Chris Swartz
- 12.30 *Lunch*
- 13.00 Group work on exercise
- 15.30 *Coffee/Tea*
- 15.45 Summing-up today's task and planning for Day 2
Thomas Pettersson, Chris Swartz
- 16.00 Closing Day 1



Tuesday 19 October

- 08.00 Reflection on yesterday's exercise
Thomas Pettersson, Chris Swartz
- 08.30 Group work on exercise
- 10.00 *Coffee/Tea*
- 10.30 Group task work and preparations for group work presentations
- 12.30 *Lunch*
- 13.00 Presentation and discussion of group work
- 15.00 Overview of advanced risk management tools
Andreas Lindhe
- 15.45 Closing the seminar (with *Coffee/Tea*)

Registration and Contact

Date: 18-19 October 2010

Time: 08:00-16:00 / 08:00-16:00

Venue: Maru Boardroom (3rd Floor),
Marumati Building,
Water Research Commission
491 Eighteenth Avenue, Rietfontein,
Pretoria, South Africa

Participation fee: R 500 (excl VAT) (including lunch)

Registration until 14 October 2010.

For information or registration contact Linda van Zyl on cswartzing@dotspot.co.za or Tel: +27 44 691 1242

For accommodation information, please refer to www.jaklodge.co.za/wmenu.php or www.wheretostay.co.za/g/pretoria/

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