



## Technology Enabled Universal Access to Safe Water (TECHNEAU)

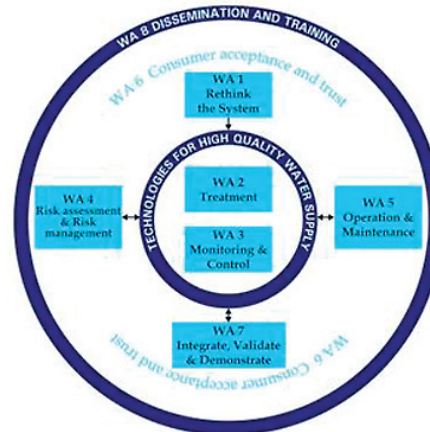
Through co-financing the Integrated Project TECHNEAU, the European Commission has decided to stimulate the development and application of innovative and cost effective European strategies and technologies for safe drinking water supply. TECHNEAU is co-financed within the scope of the EU 6th Framework Programme and is conducted by a consortium of 30 universities, research institutes and technology suppliers from Europe and developing countries. The mission of TECHNEAU is to achieve practical breakthroughs in technology solutions for drinking water supply by an integrated and coordinated approach in close cooperation with the water sector, technology providers and the international scientific community.

The KWB actively participated to the construction of the project in 2005 and is involved in several work packages. The main research activities focus on Managed Aquifer Recharge and Compact units for decentralized supply. In 2006, the KWB has coordinated the WA2 on water treatment technologies.

The project on Managed Aquifer Recharge aims to develop an operational system of combined treatment processes to lower costs for water production. Managed aquifer recharge e.g. bank filtration are planned to be used as pre-treatment step and conventional treatment methods will be added in minimised configuration. Simulation tools such as bank filtration simulator, reaction models and simplified management models will be used for optimisation and for operational planning purposes.

The work package on Compact units for decentralized supply aims at i) identifying and testing simple, low-cost water treatment technology suitable for small communities in developed and developing countries; and ii) developing technologies for “polishing” of water quality either as decentralised satellite treatment or at point-of-entry/point-of-use.

Integrated Project co-funded by the European Commission under the Sustainable Development, Global Change and Ecosystems Thematic Priority Area.



Picture 1 MAR systems installation at Palla Field Site (Courtesy of Freie Universität Berlin)

Picture 2 2nd General Assembly Techneau, Jan 07 – The Netherlands

Picture 3 General structure of the project TECHNEAU

Duration: 01/2006 – 12/2010

Project volume: 19.1 Million Euro; grant from the EU: 13.2

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### The partners



And 29 other partners including:



Project subsidised by the European Commission

