



Innovation Demonstration for a Competitive and Innovative European Water Reuse Sector

Context

The ability of Europe's water suppliers to respond to increasing water stress by taking advantage of water reuse opportunities is restricted by low public confidence in solutions, inconsistent approaches to evaluating costs and benefits of reuse schemes, and poor coordination of the professionals in this field.

Objectives

In DEMOWARE, altogether nine case study sites all over Europe and Israel were investigated with regard to innovative water reuse schemes to tackle legislative and technological barriers at the EU level.

Activities

- Demonstration of water reuse technologies at nine test fields all over Europe and Israel
- Performance of low-cost fit-for-purpose disinfection alternatives, risk assessment and life cycle analyses
- Design and full implementation of a soil aquifer treatment scheme for indirect potable reuse in El Port de la Selva (Northern Spain) in cooperation with Veolia Water Solutions Iberica (VWSI)
- Realisation of regular field campaigns with local partners to analyse the site-specific requirements for the implementation of water reuse schemes
- Recording of data concerning the local hydrochemistry and the fate of hygienically relevant microorganisms and anthropogenic trace compounds
- Implementation of quantification methods in the scope of microbial risk assessment



Duration: 1/2014 – 4/2017

Project Volume: 10.5 M€ (840 k€ KWB)

Contact

DR. ULF MIEHE, ulf.miehe@kompetenz-wasser.de
Kompetenzzentrum Wasser Berlin gGmbH

Partners
Fundació CTM Centre Tecnologic, Spain (coordination) and 28 partners from 10 European countries and Israel including Kompetenzzentrum Wasser Berlin

Financial Support



demoware.eu