



# Water Research Centre Stuttgart

The water research centre (wfz) is an engineering oriented, interdisciplinary facility for water research. Its goals are to concentrate skills in the field of water and to assess solutions for the manifold water problems together with national and international partners in water management.

## Goals & Strategies:

Research on consequences of climate change

Precipitation

Ground water

Urban areas and technical water and wastewater systems

Management Strategies

Integrated Water Resource Management (IWRM)

Hydro power and design of water bodies

Technical infrastructures

Behaviour & Transport of substances

Transport in porous media

Sorption and substance conversion processes

Transport of substances in sewer systems

## Methods :

Experimental work

Physical models

Laboratory-, Pilot- and full-scale Plants

Stochastic & numeric modelling

Hydrology

Fluid dynamics and transport processes in rivers, sewers and porous media

Analysis and measurements related to effects

In-Vitro Tests

Chemical & physical default parameters, heavy metals and organic trace substances

## Aquatic Environment

## Urban Areas

## Education and advanced training

Education of future professionals is one of the main assignments of universities, as well as for the water research centre. The facilities, research possibilities and the enormous intellectual potential improve the education and training capabilities of the water research centre.

## Facilities

- Experimental halls
- Laboratories
- Wastewater Treatment Plant for Research and Education
- Test field for small wastewater treatment plants
- Multimedia Lab
- Computer-Cluster

## Further activities

Organisation of national and international conferences, e.g.

- The impact of climate change on water utilisation, *July 2009*
- Kick-off-conference for the 5th World Water Forum, *November 2008*

## Expertises and consulting

Universities generate the knowledge of tomorrow. With this and the scientific background of the involved institutes, consulting activities can be carried out in the wide fields of water and wastewater.

## Managing Directors:

Prof. Dr.-Ing. Heidrun Steinmetz Prof. Dr.-Ing. Silke Wieprecht

*Institute for Sanitary Engineering, Water Quality & Solid Waste Management* *Institute of Hydraulic Engineering*

Bandtäle 2  
70569 Stuttgart

Pfaffenwaldring 61  
70569 Stuttgart

## For further information

[www.wfz.uni-stuttgart.de](http://www.wfz.uni-stuttgart.de)

[info@wfz.uni-stuttgart.de](mailto:info@wfz.uni-stuttgart.de)