

## **National Innovation System of Water in Germany**

#### **Publication**

Report

#### Citation

Borowietz, Mirjam; R. Andreas Kraemer 1998: National Innovation System of Water in Germany. Paper in the Research Project "Interactions between the Management of the Urban Water Cycle and Environmental Technologies in a Sustainable Development Perspective". Berlin.

Borowietz, Mirjam; R. Andreas Kraemer 1998: National Innovation System of Water in Germany. Paper in the Research Project "Interactions between the Management of the Urban Water Cycle and Environmental Technologies in a Sustainable Development Perspective". Berlin.

## Language

English

## **Authorship**

R. Andreas Kraemer Mirjam Borowietz

## **Funding**

European Commission, <u>Directorate-General Research</u> (DG Research), International

#### Year

1998

## **Dimension**

38 pp.

## **Project**

Research, Development and Water Management Systems in the Context of Sustainable Development

## **Project ID**

960

#### **Table of contents**

- 1 Introduction to the German Water NIS
- 2 Institutional Elements of the Water NIS in Germany
- 2.1 Authorities and Support Mechanism
- 2.1.1 National Authorities
- 2.1 .2 State (Lander) Authorities
- 2.1.3 Research Institutions
- 2.2 Main Industrial Institutions and Consultants
- 2.2.1 Water Utilities
- 2.2.2 Technology Supplier
- 2.2.3 Consultants
- 2.3 Main Intermediary Institutions
- 2.3.1 Public and Professional Associations
- 2.3.2 Education and Training
- 2.3.3 Standardisation
- 3 Decision-Making about Water Technology in Germany
- 3.1 The Co-ordination of Science and Technical Efforts
- 3.1.1 R&D Collaboration
- â c 3.1.2 Innovation and Diffusion
- 3.2 History of Water Technology in Germany
- 3.3 Technology Development Process form the Actors Perspectives
- 3.3.1 Technology Development Process form the Government's Perspective
- â□¢ 3.3.2 Technology Development Process form Water Industries Perspectives
- 3.3.3 Attitude of Public towards Science and Technology
- 3.4 Soft versus Hard Innovations
- 3.5 The Basis for Public Contracts
- 4 Objectives and Programmes of Water-Related Technology Policy in Germany
- 4.1 Objectives of German Innovation Policy in the Water Field
- 4.2 Main Programmes
- 5 Financial Mechanisms for Water-Related Innovation
- 5.1 Financial Input for the Innovation Process
- 5.1.1 Public Financing
- 5.1.2 Private Financing
- 6 Outcome: Invention, Innovation on the Market and Diffusion
- 6.1 Invention, Innovation, Adaptation and Diffusion
- 6.2 Expor[ Performance of the German Water Industry
- 6.2.1 Export Performance of Technology Producers
- 6.3 Performance Indicators such as Patents
- 7 Summary
- 8 Bibliography
- Case studies

Water saving â□□ technology and management

Influencing Farming practices in Water protection zones

Pilot project Lübeck

R&D in the Berlin waterworks

Table

- Table 1: Sector specific major research organisations
- Table 2: Associations of Consulting Engineers
- Table 3: PtWI promotion for the different special fields in million DM
- Table 4: Financial support through the Deutsche Ausgleichsbank
- Table 5: Patents applications by applicants of the respective country for treatment of water and sewage
- **Figure**
- Figure 1: Comparison of German, French and UK Exports of Water and Wastewater Technology

# Keywords

<u>Water</u>

**Source URL:** https://www.ecologic.eu/13277