



# Portuguese Water Partnership

The Portuguese contribution for  
a global and sustainable  
water development



MINISTÉRIO DO AMBIENTE  
E DO ORDENAMENTO DO TERRITÓRIO

An initiative sponsored by the Portuguese Ministry for Environment and Spatial Planning

# The Portuguese Water Partnership

Portugal has a diversified and mature fabric of private and public institutions dedicated to water. Several of those institutions have business or have developed close links abroad

Associated in a Portuguese Water Partnership synergies can be developed and the potential maximized.

The PWP is the institutional basis of a Portuguese Water Network made of public and private entities operating in the water sector in Portugal.

## Vision

The Portuguese contribution to a world in which water resources are used in a sustainable way and in which all have access to water supply and appropriate waste water treatment and disposal.

## Mission

To promote an effective cooperation among people, institutions and enterprises in order to convey abroad the Portuguese know-how and capacities in the water sector and to create opportunities at the international level in a framework of sustainable development projects in line with the Millennium Development Goals.

**Facilitate** and promote events, partnerships and joint initiatives between different partners on an international scale.

**Develop** and manage a knowledge platform, on a web-site, to support the Portuguese water network.

**Promote** the exchange of experiences and knowledge, through initiatives and training on professional and scientific areas.

**Contribute** to a new forum for innovation and sustainability related to projects, technologies and competences.



## Areas of Interest



## Recent achievements in the Portuguese Water Sector

### Water Resources Planning and Management

- ... new and forward-looking Water Law
- ... creation of river basin authorities
- ... new DSS supported licensing system
- ... new economic regime for water use
- ... environmental friendly hydropower plan

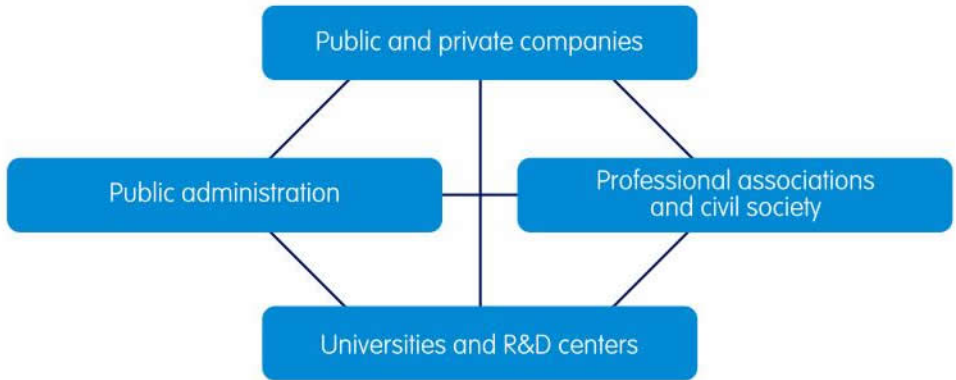
### Water Services and Regulation

- ... boom in service attendance and quality
- ... state of the art technology
- ... consistent policy for investment
- ... financial sustainability of water systems
- ... interesting “mix” of public and private
- ... sophisticated and effective regulation system

### Water Institutions and Governance

- ... river basin councils
- ... easy access to administration
- ... widespread e-government practices
- ... creation and empowerment of users’ associations
- ... partnership of central and local authorities
- ... delegation to municipalities and users

## The Partners



The Portuguese Water Partnership, as a network platform, brings together:

### **Public and private companies**

Design and consultancy companies, construction contractors, equipment suppliers, management and operation companies.

### **Universities and R&D centers**

Universities, research centres, state laboratories.

### **Public administration**

National Water Institute, River Basin Administrations, Water Services Regulator, Portuguese Institute for Cooperation, Portuguese Agency for Investment and Trade.

### **Professional associations and civil society**

Professional and technical associations, non-governmental development associations, water users associations, sectoral economic associations.





## The action “puzzle”

### 1. Networking

With priority involvement of countries in which the water sector is going through reform and there is a demand for cooperation

Establish a Portuguese based  
Water Network

Foster the sharing of knowledge and  
the exchange of experiences

### 3. Sharing

At the national and international levels, among partners and with foreign and international counterparts

### 2. Opportunity seeking

In the framework of sustainable development and in the context of collaborative and innovative action

Create new opportunities for the  
development of projects and initiatives

Implement a forum of reflection that contributes  
to the discussion of the emerging challenges

### 4. Innovating

Providing an effective contribution of a think tank on the threats, challenges and opportunities of water resources management

Visit our Website and be part of the network

[www.H2on-ppa.com](http://www.H2on-ppa.com)

A Portuguese network to facilitate joint initiatives in the water sector worldwide.

Visit these and more projects on our Website.



#### **Water Safety Plan: One of WHO Case Studies**

Implement methodologies of risk assessment and risk management throughout from the catchment to the water reservoirs, including the identification of existing risks in the Águas do Cávado water supply system to the public health. Setting up management processes to control and minimize risks, providing a more effective control of the drinking water quality. Verification of the WSP in relation to water quality and quantity monitoring for the building up of an ongoing body of evidence in compliance with the water quality targets. Continual improvements of the system and assurance of conformity to customer and public health.



#### **Public-Public Partnerships in Water Services: Another Step Forward**

As recommended in the Water Supply and Wastewater Sanitation Strategic Plan (PEAASAR 2007 - 2013), and as a complementary solution to the multimunicipal water utilities solution, these public-public partnerships are aimed at: Increasing the efficiency and effectiveness of water and sanitation services by ensuring integration and streamlining of investments in retail services with those already made in bulk water distribution and drainage systems. Promoting an organization method in the sector in a voluntary and active way, mainly through the promotion of water services management entities with adequate dimensions and technical skills business oriented. Ensuring financial sustainability and the application of the user-pays principle.



#### **Water Quality Modeling of Volatile and Semi-Volatile Organic Compounds**

Evaluate the effect of some volatile organic compounds (VOC's), and semi-volatile organic compounds (SVOC's), from motor recreational navigation on the water quality of Castelo de Bode reservoir, which is the main source of public water supply to a system that serves approximately 2.5 million people.



#### **Water Supply Master Plan for Maputo Concession Area**

Contribute for the definition of the best approach aimed at improving the quality of service provided by the water supply system in the Metropolitan Area of Maputo: Planning Tool to aid Águas de Moçambique (AdM) activities. Supporting Tool for the decision making process on issues related to service expansion priorities within the concession area. Development of the criteria established on the periodic review document.



#### **River basin management DSS**

Design web-based technological platforms to support water management at a river basin scale useful for European Water Framework Directive implementation. Development of software solutions to give operational access to modeling tools and databases in a web environment. Implementation of hydrological, hydrodynamics and water quality models. Design a systems analysis tool for user-friendly evaluation of measures efficiency under different water management scenarios.

For further information, mail us to: [info@h2on-ppa.com](mailto:info@h2on-ppa.com) or visit [www.h2on-ppa.com](http://www.h2on-ppa.com)