



**AEDyR**  
ASOCIACIÓN ESPAÑOLA DE  
DESALACIÓN y REUTILIZACIÓN

Conference and Exhibition on  
**DESALINATION FOR THE ENVIRONMENT**  
**CLEAN WATER AND ENERGY**

**April 23–26, 2012**  
**Barcelona, Spain**

**CALL FOR PAPERS**





## OBJECTIVES

Water and energy are the issues of this millenium. This conference on desalination for the environment will be devoted to advances towards providing fresh water for all, at affordable cost and at economical energy requirements. With limited and depleting natural sources, desalination can supplement some of the critically lacking amounts of water needed for sustainable development. Its place in the water cycle will be discussed.

The conference will overview the most recent developments in desalination technology, its cost and extent of application, including socio-economic and environmental issues. It will bring together research scientists, decision makers, managers, design engineers and operators from water companies, industries, government departments, consulting firms, research institutes and universities.

The place of industry, research and government decision making in this booming market will be addressed.

Why and how should desalination be integrated into the national or regional water management plans, ensuring socio-economic and environmental benefits, will be the focal point of the conference.



## TECHNICAL PROGRAM

### **Socio-economic and environmental issues**

- Water scarcity and environmental implications
- Desalination and water resource management
- Desalination projects, financing schemes
- Cost of desalination and water treatment
- Desalination and environmental impact
- Concentrate handling

### **Processes, problems, technological advances**

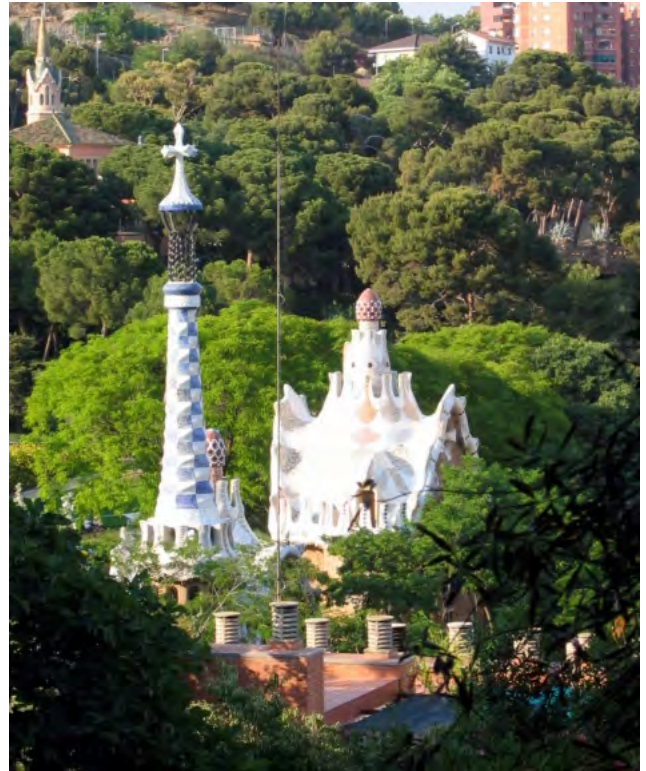
- Feedwater pretreatment for desalination
- Seawater desalination by reverse osmosis
- Brackish water desalination
- Nanofiltration, ultrafiltration, microfiltration in water treatment processes
- Removal of specific compounds
- Membrane performance and maintenance
- Pre-treatment and Post-treatment of desalinated water
- Recent developments in desalination
- Advanced wastewater treatment
- Desalination and renewable energy sources
- Energy recovery technology
- Thermal seawater desalination
- Corrosion and scaling
- Materials selection

## LOCATION

Barcelona is the capital, most populous city of the Autonomous Community of Catalonia and the second largest city in Spain. It is the eleventh-most populous municipality in the European Union and sixth-most populous urban area. Barcelona is Europe's largest city on the Mediterranean coast.

It is located on the Mediterranean coast between the mouths of the rivers Llobregat and Besòs and is bounded to the west by the Serra de Collserola ridge.

Barcelona is recognised as a global city because of its importance in finance, commerce, media, entertainment, arts and international trade. Barcelona is a major economic centre with one of Europe's principal Mediterranean ports, and Barcelona International Airport is the second largest in Spain after the Madrid-Barajas Airport. Founded as a Roman city, Barcelona became the capital of the Counts of Barcelona. After merging with the Kingdom of Aragon, it became one of the most important cities of the Crown of Aragon.



Besieged several times during its history, Barcelona is today an important cultural centre and a major tourist destination and has a rich cultural heritage. Particularly renowned are architectural works of Antoni Gaudí and Lluís Domènech i Montaner that have been designated UNESCO World Heritage Sites. The headquarters of the Union for the Mediterranean are located in Barcelona.

The € 230 million El Prat de Llobregat desalination, which will supply Barcelona with 200,000 m<sup>3</sup>/d of potable water, was officially opened on 22 July 2009.

The seawater reverse-osmosis plant, constructed by Degremont in joint venture with DRACE Medioambiente, will ease the threat of water restrictions in the Spanish city by producing 24% of the water consumed by the 4.5 million population.

## INTERNATIONAL EXHIBITION

Space is available for firms wishing to exhibit their products and activities.

For information and reservation please contact the European Desalination Society office



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