



## **CALL FOR PROJECT**

**7<sup>th</sup> JULY - 15<sup>th</sup> DECEMBER 2010**

**MEMBRANE TECHNOLOGIES**

**REAL TIME SYSTEM MANAGEMENT**

## Membrane Technologies

Membrane technologies include any process for water or wastewater treatment achieving filtration through a porous or permeable media made of polymeric, mineral or composite material.

The global membrane market for water applications will grow by 8.6% to over €10,5 billion in 2012. The objective is to foster the emergence of European champions with new technologies to secure a market essentially dominated today by US and Japanese equipment suppliers; and to develop European know-how and equipment in order to propose competitive European technologies for various applications including:

- seawater and brackish water desalination,
- waste water treatment and reuse,
- water softening or removal of organic substances
- disinfection for drinking water production.

## Technical criteria

1. Water quality should meet European standards as a priority, including the Water Framework Directive
2. Energy requirements are independent on sources: global energy requirements should be taken into account

## Real-Time system Management

Real time system management through online sensors networks, data management system, representation (map, link with GIS, etc.) and modeling, and wireless communication system. The goal is to enforce the European know-how and equipments in order to secure the management of water resources, water and wastewater works, secure the quality of the product delivered to end-users, improve the operation of networks and reduce the cost of construction...

## Technical criteria

1. Integrated solutions (adapted to existing systems) fitting to major European utilities needs
2. Cost-effectiveness for water utilities
3. Systems should have standardised interfaces with other data systems and provide 'interoperability'
4. Systems should be suitable for development into a large scale commercially viable product
5. Projects have to address at least one sub-topic, but can be cross-cutting

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## Call procedure and agenda

Info Day 31/05

Networking

Publication 7/07

Consortium

Deadline for  
Submission 20/08

Project 3 pages

Selection



Full Proposal  
15/11

Adjustments

**LABELLING**  
15/12

## General criteria

1. At least two companies of two different countries participating in ACQUEAU, SMEs and start-up as partners are encouraged to get involved
2. Project proposals should consider the scientific coherence of the project
3. Promote European based know-how and equipment
4. Capacity to innovate and to boost the local market
5. Technologies should address specific European needs
6. Filing a technical patent could be an asset

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