



# MEDIWAT Project

Kick-off meeting  
Palermo, 23-25 September 2010

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## I. Communication Component

- Meeting (joint meeting in **Mallorca** with **AQUAGEST**)
  - ✓ Available solutions
  - ✓ Pilots on quality stress
- Translation to Spanish/Catalan
- Final conference proceedings: collaboration
- .....

## II. Management component

- Administrative management and coordination
- Scientific coordination

## III. Master plans

- State of the art in the participating islands

*Activities: First trip to Mallorca-August 2010. Meeting with AQUAGEST and the General Director of Water Resources of Balearic Islands Government.*

- Elaboration of strategic master plans

(Jointly with AQUAGEST and Balearic Islands Government)


## IV. Analysis and assessment

- **Overview of available solutions (UB) - 2010-10-01/2011-11-30**

Deliverables:

- 1) State of the art on existing tools (report)
  - 2) Catalogue of Exploitable European projects (report)
  - 3) Selection of previous results (studies)
- Local/regional assessment of solutions
  - Web-database advisory-platform implementation

## V. Pilot projects

- On quantity stress
- **On quality stress**
  - **Assessment : AQUAGEST Pilot project in Mallorca**
    - Activities : First trip to Mallorca August 2010.*
      - . Meeting with AQUAGEST.*
      - . Visit to WWTPs with storage ponds for wastewater reuse.*
  - **Monitoring of Pilots in Catalonia** 
- On demand management

# Pilots on water quality stress in Catalonia

- The intended work UB should be devoted to study decentralized treatment systems and modifications of the existing small technologies to be capable to perform as decentralized systems.
- The technologies and systems available in the UB team domain are (A) Infiltration-percolation, (B) Constructed wetlands (SSHF) and (C) Pre-built type constructed wetlands (vertical and horizontal)

Systems a) and b) are available at different sizes and, as used for example in France, can be adapted to serve small communities, hotels, camping places, and similar.

Systems c) are at present under development through an agreement with a private firm, and are modular, which allows greater flexibility to work with.

# Pilots

## 1) Pilot SSHF-CW for tertiary wastewater treatment and reuse (Montcada i Besos)





## 2) . Modular SSHF CW for urban/domestic wastewater treatment (2 pilots)

. Modular SSVF + SSHF CW for swine wastewater treatment in small farms (1 pilot)



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