



MEDIWAT Project

Kick-off meeting
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Presentation of the institution



Universitat de Barcelona/university of Barcelona (UB) Public University, Catalonia, Spain

- The University of Barcelona (UB) was founded in 1450. Today it boasts of a student body of 84370 and a teaching staff of 4548 members. Degrees are offered in 73 different fields with numerous postgraduate programs as well as continuing education courses.
- The University of Barcelona (UB) is the largest of the six universities of Barcelona and of the ten in Catalonia. The UB is ranked the first Spanish university, and the twenty third European institutions, in scientific quality and productivity.
- The UB manages in average 150 European projects per year, for an amount of about 8,6 million euro a year.



-The University of Barcelona develops all its activities related to the research in Europe through its European Research Projects Office, a unit in charge of the promotion of EC programmes, technical assistance to the elaboration of proposals and management of projects with participation of researchers of the UB.

- Fundacio Bosch i Gimpera (FBG) is a foundation controlled by the UB. Institutional links between the two organisations are defined in their statutes. FBG is in charge of the administrative and financial management of UB's participation in European projects

Presentation of the Research Group

Hydrology Research Group Soil Science Unit Faculty of Pharmacy

-The Hydrology group is developing several research lines, mainly related to water resources, especially wastewater reclamation and reuse.

- The team has been engaged in several wastewater treatment, reclamation and reuse projects with private and public partners along its 30 years of existence; during the nineties, participated in several EU projects.

Present research items



- I. **Wastewater treatment and reclamation**
- II. **Rules and regulations for reuse**

I. Wastewater treatment and reclamation

- **Extensive treatments: wetlands, infiltration-percolation, lagoons. Pilot facilities available**
- **Intensive treatments: Physico-chemical, ring filters, MBR. Pilot facilities available**
- **Reclamation for reuse**
- **Disinfection: UV, PAA, ClO₂... . Pilot facilities available**

II. Rules and regulations for reuse

- **Good reuse practices**
- **Risk analysis**
- **Non-conventional water resources management**