

Who are we, what we do

LEQUIA

- University of Girona (Catalonia, Spain): about **40 people**, annual turnover of **1.1 M€** (24% from private funds). Director: Dr Jesús Colprim (J.Colprim@lequia.udg.cat)
- **Research lines:**
- Technology transfer: **3 industrial patents**, **1 spin-off** (SISLtech; www.sisltech.net)
- Participation in several international projects.



Demonstration of innovative water solutions for reuse of water, recovery of valuable substances and resource efficiency in urban wastewater treatment
www.r3water.eu



Marie Curie Network of Initial Training

Sustainable and Integrated Urban Water System Management
www.sanitas-itn.eu



Green fertilizer upcycling from manure: Technological, economical and environmental sustainability demonstration
www.manureecomine.eu



Demonstrating integrated innovative technologies for an optimal and safe closed water cycle in Mediterranean tourist facilities
www.demeaumed.eu

What we can offer

LEQUIA expertize:

- **Biological nutrient removal and recovery.** Urban WWT through carbon, nitrogen and phosphorous removal. Treatment of side streams with advanced technologies: nitrification-anammox, phosphorus recovery, etc.
- **Bioelectrochemical systems (BES).** Bioremediation of groundwater polluted with inorganic nitrogen and sulphur compounds. Removal of GHC (nitrous oxide), organic matter and nitrogen (in MFCs).
- **Advanced adsorption and oxidation processes.** Advanced adsorption and oxidation processes. Testing and characterization of new adsorbent materials
- **Membrane bioreactors (MBR).** Operation, automatic control and optimization.
- **Environmental Decision Support Systems (EDSS)**

Waste-7 proposal

