



New tertiary waste water treatment for organic micro-pollutants PPCPs (Pharmaceutical and Personal Care Products). (WATOP)

SUMMARY

The main goal of Project WATOP is the development of a demonstrative pilot plant for the removal of micro-pollutants proceeding from pharmaceutical and personal care products (PPCPs) from waste water by using a new technology based on the formulation of PAA/CD nano-resins (polyamidoamine cross-linked with cyclodextrine), aiming at improving water quality and management of water resources.

The main result of the project will be an active and self-regenerating purification filter composed of PAA/CDs capable of absorbing organic micro-pollutants from waste water, allowing thus achieving a new tertiary treatment both technically and economically feasible for European WWTPs.

After implementation of this tertiary treatment in the treatment plant of Estella and a testing and optimizing phase, removal yields between 82 and 94% of PPCPs from waste water are expected to be achieved.

WATOP project will contribute to European environmental policy for the maintenance and improvement of the aquatic environment (European Directive 2000/60/EC).

PARTNERS

Centro Tecnológico Lurederra (Spain)*

Servicios de Montejurra S.A. (Spain)

Ingeniería Lator, S.L. (Spain)

Cyclolab Ltd. (Hungary)

*Coordinator

START DATE: June 2012

DURATION: 42 months

BUDGET: 963.774€

