



WaterReuse  
LIFE12 ENV/ES/000184



## IMPROVING WATER MANAGEMENT EFFICIENCY AT INDUSTRIES WITH ORGANIC LOAD

### COORDINATING BENEFICIARY

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### ASSOCIATED BENEFICIARY

**CTC:** [Centro Tecnológico Nacional de la Conserva y Alimentación](#)

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### OBJECTIVE:

WaterReuse aims to apply, validate and disseminate a sustainable system to reuse of process water. Development of a effective treatment of waste water with high level of organic contaminants and efficient use of energy which allows REUSE water from process effluent. Environmentally sustainable system, achieving the reduction of Carbon and Water Footprint.

### DESCRIPTION:

Using the best available technologies (BATs) for the treatment of industrial wastewater with high organic load and not suitable for a conventional biological treatment. Combination of electrochemical oxidation, membrane filtration and photocatalysis, using renewable energy sources like solar panels. An intelligent control system base on mathematical modeling process will manage energy source and performance of prototype. The aim of intelligent control system is to optimize process operation to minimize energy costs and maximize water reuse.

### INDUSTRIES:

Chemical Industry

Agrofood industry (milk, juices, pickles, sweet,...)

Others industries

### MORE INFORMATION

<http://www.waterreuse.eu>