



TOTAL BUDGET: 2,322,837.00 €

EU CONTRIBUTION: 1,146,793.00 €

FUNDING ENTITY:



COORDINATOR:



BENEFICIARIES PARTNERS:



MORE INFORMATION:

www.life-biosol.eu
www.heliopurtech.com
www.aqualia.es
www.coldep.com
www.centa.es



With the contribution of the LIFE financial instrument of the European Community



BioSolWaRe - LIFE (LIFE13 ENV / FR / 000711):

Demonstration wastewater treatment system dedicated to freshwater reuse and recycling.

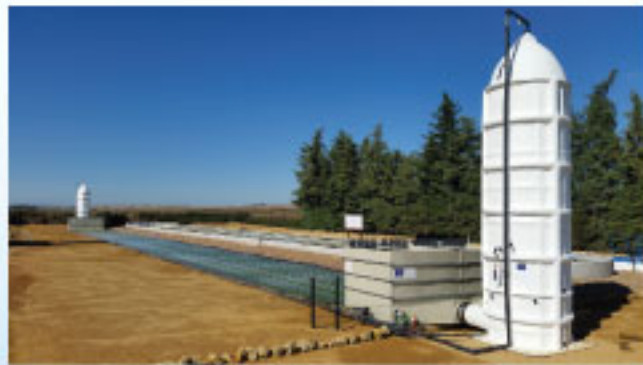
With a total duration of **54 months**, activities began on the **1st July 2014** and count with the participation of entities from **France and Spain**.

LIFE Project BioSol Water Recycling: a new concept for wastewater treatment and reuse, and bioenergy production.



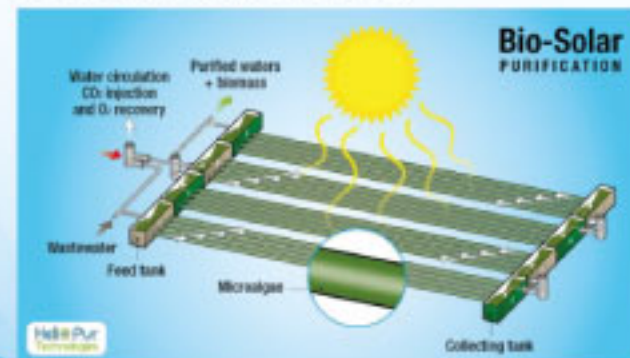
Project background

While Europe is considered to have adequate water resources, water scarcity and drought is an increasingly frequent and widespread phenomenon in the EU. According to recent estimates, at least 11% of Europe's population and 17% of its territory had been affected by water scarcity by 2007. This puts the cost of droughts in Europe over the past 30 years at 100 billion euros.



Project objectives

In this frame, the **BioSolWaRe-LIFE project** will develop and test an **innovative**, more **efficient** and **competitive** wastewater treatment method based on an **ecological process** called **bio-solar purification (BSP)** mainly addressed to **small and isolated** populations (10-10,000 inhabitants). This process uses biological (microalgae photosynthesis) and solar (photo-oxidation) technologies to **enable 80% water reuse, the recovery and valorisation of greenhouse gases and organic wastes**.



Expected results

The project expects to develop an operational pilot wastewater treatment plant that will:

- Allow fresh water savings through reclaimed water.
- Process **50 m³ per day** of purified and disinfected wastewater.
- Improve energy and carbon balances compared to existing wastewater treatment and reuse processes.

