



## New demonstrative pilot plant for purification of waste water with oils, fats and hydrocarbons. (PURIWAT)

### SUMMARY

The main goal of the project PURIWAT is the development of a demonstrative pilot plant capable of remove fats, oils and hydrocarbons from waste water through the development of a filter based in a new elastomeric material and a biodegradation system.

These waster, after been absorbed by the developed material, will be degraded by the microorganisms system, being easily separed applying pressure.

Therefore, after the recovery of the organic waste, water will be useful for watering, reducing the water use and the generation of sewage and solid wastes.

Once the filtering system would be implemented at Los Arcos' WWTP and after a phase of testing and optimizing, the desired removing efficiency will be between 94-97% of these wastes, achieving a water treatment volume of 5000 dm<sup>3</sup>/h.

PURIWAT project will contribute to European environmental policy of water improvement and maintenance (European Directive 2000/60/EC).

### PARTNERS

Centro Tecnológico Lurederra (España)\*

Servicios de Montejurra S.A. (España)

Ingeniería Navarra Mecánica S.A. (España)

JSC BIOCENTRAS. (Lituania)

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**START DATE:** September 2013

**DURATION:** 42 months

**BUDGET:** 1 238 408 €

