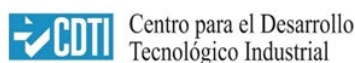




TECNICAS REUNIDAS

INVESTIGACIÓN DE TECNOLOGÍAS DE TRATAMIENTO, REUTILIZACIÓN Y CONTROL PARA LA SOSTENIBILIDAD FUTURA DE LA DEPURACIÓN DE AGUAS

PROJECT FACT SHEET



Open call	INNPRONTA
Funding body	CDTI
Duration	2011-2014
Budget	€15,470,000
Partners	

PROJECT DESCRIPTION

The general aim of the ITACA project was to conduct research into new concepts in industrial or urban waste-water purification technologies, in order to efficiently and sustainably convert the current treatment process into a strategy for reuse; exploitation of substances, by-products and waste; and energy recovery, thus minimising the impact on the natural environment. Parallel research was also considered into advanced systems for the measurement, automation and control of the treatment and recovery processes were considered. This will give way to a centralised management system that will automatically and autonomously decide the sequence and control of the new treatments and the target effluents under study.

SCOPE OF TR'S WORK

TR participated actively in several lines of research within the ITACA project, which can be grouped into the following areas:

- Development of new membrane and nano-material technologies to maximise the efficiency and selectivity of filtration technologies.
- Preparation of Accumulators, adsorbents/absorbents and desorbents for the selective extraction of rare metals and earths.
- Application of bio-treatments to break down emerging/priority compounds
- Recovery of waste and/or by-products to minimise waste.