



Project Information Sheet

Project full name (CLEANLEACH)

Programme area:	CIP-Ecoinnovation
Coordinator:	Dr. Rafaela Cáceres IRTA, Spain E-mail: coordinator@cleanleach.eu Tel: +34 902789449 ext. 1213
Partners:	Institut de Recerca i Tecnologia Agroalimentàries – IRTA, Spain Buresinnova S.A., Spain Naturalea Conservació, SL, Spain Salix River & Wetland services limited, UK
Website:	http://www.cleanleach.eu
Benefits (max. 150 characters incl. space):	Greening EU plant nurseries means higher competitiveness Technology adaptable to any EU country Recovery of water and nutrients (closed loop approach)
Keywords:	Leachate, plant nursery, wetland
Sector:	Green Business
Type of solution	technology
Duration:	10/10/2013– 09/04/2016
Budget:	€ 1,448,250 (EU contribution: 50%)
Contract number:	ECO/12/332862

Summary

CLEANLEACH aims to replicate and deploy a plant for treatment of leachates for plant nurseries in EU countries. It also looks for other applications related to architecture (green roof, hanging gardens), hydroponic systems, bioengineering and waste water treatment. The treatment plant has been developed by IRTA; through the project implementation some technological variations of the system will make it more efficient and better monitored. The participation of 3 SMEs ensures the market replication: Buresinnova (www.buresinnova.com), Naturalea (www.naturalea.eu) and Salix (www.salixrw.com). The technology, which can be adjusted to the conditions of any EU country, will be replicated in Spain and UK locations during the 30 months implementation of the project (Oct. 2013 - April 2016). Support from ESWE (European Soil and Water Engineering Group) and ENA (European Nurserystock Association) will ensure a broad European market replication. A Life Cycle Assessment will be conducted to provide a first approach of the environmental assessment of the technology. Other advantages: creation of natural habitats for birds, invertebrates and amphibian, and the improvement of landscape quality.

Expected and/or achieved results

- Expected market potential: market size of 800M € and 6,000 customers, after 8 years of market replication.
- Expected payback time: 5-8 years.
- Removal of contaminants from nursery leachates: 100% nitrate removal; 89% potassium removal
- Water management: i) 100% water recycling; ii) cleaning water
- Lowering Carbon footprint: Carbon fixation by plants in wetland

The information sheet will be published in the [Eco-Innovation website](#). The EACI reserves the right to edit the information sheet for content and length