

## OBJECTIVES

**LIFE COLRECEPS** Project aims to the implementation of a demonstration pilot plant for the recycling of expanded polystyrene (EPS) waste to obtain new pearls of EPS. These pearls will be used to manufacture new products based on recycled EPS.

This Project addresses an environmental problem such as the accumulation of large amounts of EPS waste in landfills, which is not biodegradable and because of its low density occupies large volume.

In addition, the life cycle of EPS waste will be closed, giving and added value to this waste due to the EPS recycled procurement.



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**COLRECEPS**



European Program Life+



Collected Recycling EPS

## **COLLECTION and RECYCLING of EXPANDED POLYSTYRENE (EPS) in the urban zone of Valladolid**



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The Project is funded by the LIFE financial instrument of the European Commission

# THE PROJECT

LIFE COLRECEPS Project (LIFE12 ENV/ES/000754) has been approved in 2012 LIFE Programme. LIFE is the EU's financial instrument supporting environmental and nature conservation projects throughout the EU.

Technological Center CARTIF, Turqueplast, Grupo El Árbol (Distribución y Supermercados) and Quercus IDI, have launched this Project to recycle and close the life cycle of EPS waste, to provide new products based on EPS recycled to be further used in the industrial sector.

All partners are located in Valladolid, so the Project COLRECEPS will focus on that area.

The Project duration is three years and three months, starting on 01/10/2013 and ending on 30/12/2016.



Valladolid

# ACTIONS

- Obtain a reliable and detailed data of the amount of EPS waste generated in the urban zone of Valladolid
- Develop an optimized logistic model for the collection, storage and transportation of EPS waste
- Design and construction of a demonstration pilot plant of EPS waste recycling
- Viability study of the industrial implementation
- Environmental Monitoring and Assessment (Life Cycle Assessment and Carbon Footprint)



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