

## Project Details

Project reference:	LIFE14 ENV/IT/001050
EU programme:	LIFE 2014 - Environment and Resource Efficiency
Full title:	Local circular ECOmomy by an innovative approach for recycling paper industry PULper waste into new PLASTic pallets
Acronym:	LIFE ECO-PULPLAST
Duration:	30 months
Start Date:	01-SEP-2015
End Date:	28-FEB-2018
Total budget:	1,244,978.00 €
EU Funding:	746,986.00 €
Project website:	<a href="http://www.life-ecopulplast.eu">www.life-ecopulplast.eu</a>

### Project partners

The logo for selene, featuring the word "selene" in a stylized, light blue, cursive font.

Coordinator

The logo for LUCENSE, featuring a small black icon above the word "LUCENSE" in a bold, black, sans-serif font.

Serv.eco

Beneficiaries



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



ECOPULPLAST

*Local circular ECOmomy by an innovative approach  
for recycling paper industry PULper waste  
into new PLASTic pallets*

[www.life-ecopulplast.eu](http://www.life-ecopulplast.eu)

## Project context

Paper is the most recycled product in Europe, with a rate of 72%. Although the transformation chain of the recovered paper is highly optimised, recovered paper contains a share of materials, mostly composed of mixed plastics, that cannot be reused and are discarded to constitute the **pulper waste**.

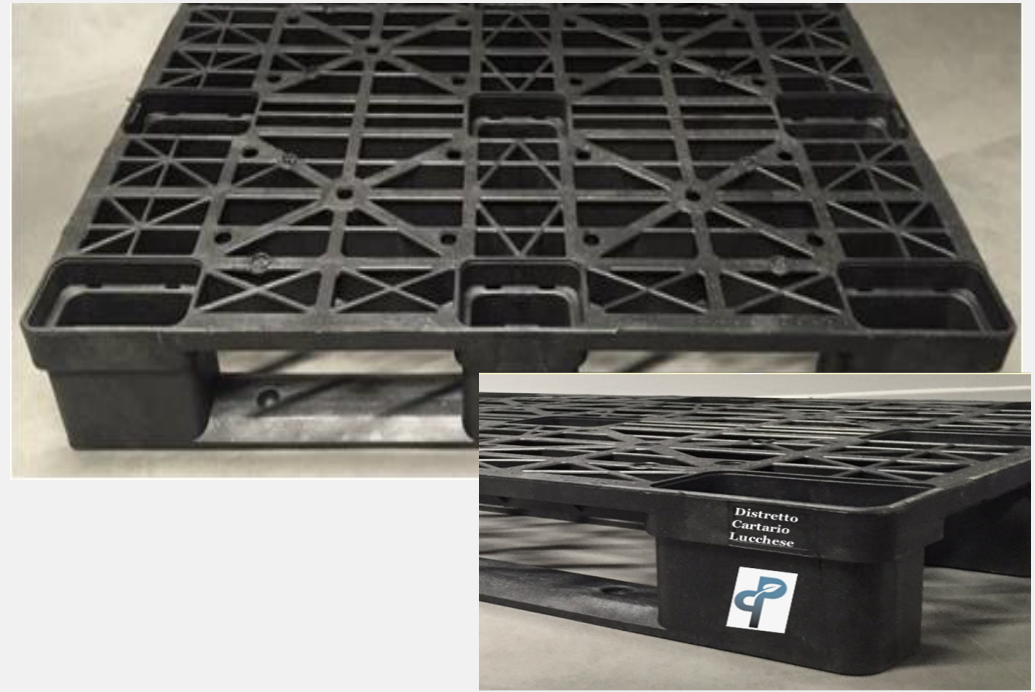
The Lucca paper district alone produces 100.000 ton/year of pulper waste, conferred to landfill and incinerators, with significant and no more sustainable environmental and economic impacts.

## Project Objectives

The LIFE ECO-PULPLAST project aims at demonstrating the possibility to **recycle pulper waste** – the industrial waste of paper mills that use recovered paper – in the manufacturing of **eco-sustainable plastic pallets**.

The technical and economic feasibility of an innovative technology to recycle pulper waste into new plastic compounds and products will be demonstrated during the project lifetime, with the realization and testing of a demonstration production line especially designed for the characteristics and peculiarities of pulper waste.

The new plastic eco-pallets shall be reused locally by the same paper district that generates the material waste in the first place, thereby creating a **local Circular Economy**.



## Project actions

- Design, realization and testing of a demonstration site for the processing of pulper waste and the production of plastic eco-pallets;
- testing and evaluation of the different process phases of the prototype line and required upgrades and improvements;
- development of a complete business plan to assess the economic viability of the application at full industrial scale;
- evaluation and periodic update of the environmental, economic and social impacts;
- development of a business model to assess the replicability and transferability of the technology to similar contexts;
- dissemination and promotion of the project approach and outcomes at national and European level.

