



Project Number: LIFE14 ENV/IT/001050 – LIFE ECO-PULPLAST

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# LIFE ECO-PULPLAST NETWORKING ACTIVITIES REPORT

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## 1. Introduction and scope of Action D5 and deliverable D20

The aim of this action was to exchange information about project activities, discuss different approaches and establish new contacts for future collaborations.

Liaisons were established with the main stakeholders at national and European level, working to promote recyclability, reduce manufacturing environmental impact, foster technology transfer, develop policy measures, etc.

During the project, collaborations were started also with other initiatives and projects, both at national and European level, addressing sustainable industrial waste management, circular economy, products environmental footprint and sustainable manufacturing, with similar or complementary views and approaches with respect to those developed within LIFE ECO-PULPLAST.

In particular, exchange of information was established with EU projects funded by the main European programmes, such as H2020, FP7, LIFE, Italia/Francia "Marittimo".

All partners contributed to this activity by participating to exhibitions, events, workshops and face to face meetings.



## 2. Networking activities

Activities conducted during the development of Ecopulplast project can be divide in two main areas:

- a) Networking with other projects and initiatives
- b) Consensus building and stakeholders involvement

### 2.1. Networking with other projects and initiatives

This activity was run during the whole timespan of the project, starting from month seven and allowed to establish new contacts with other projects active in similar contents and future collaborations with the aim of the reduction of manufacturing environmental impact.

Networking was also done during the three main events organised by Ecopulplast Project Partners:

- the first project Workshop, held on September 30<sup>th</sup> 2016
- the second project Workshop, held on October 6<sup>th</sup> 2017
- the Final Conference, held on July 13<sup>th</sup> 2018

### EXHIBITIONS, CONFERENCES AND EVENTS

Ecopulplast Partners attended to many exhibitions and conferences in order to exchange viewpoints, promote replicability and create synergies:

- **ECOMONDO** - Rimini 09-10/11/2016 and 07-08/11/2017, the most important Italian exhibition regarding the green and circular economy
- **FAKUMA**, 17-20/10/2018, International trade fair for plastic processing
- **MIAC** – Lucca, 13/10/2017 The Life-Eco-Pulplast project was presented at MIAC 2017 during the COMIECO RECYCLING meeting, with the title: "The quality of paper for recycling for the competitiveness of the paper chain in Europe's circular economy".
- **IFAT** 2016, Munich 30/05-03/06 2016 - International Trade Fair for Water, Sewage, Waste and Raw Materials Management
- International exhibitions for plastics recycling - Essen – 27-28/06/2018
- **49<sup>th</sup> Aticelca Conference** – the Italian Paper Industry Congress – May 17<sup>th</sup> and 18<sup>th</sup>, 2018 at Padova. "Technologies and prospects for recycling heterogeneous plastics and cellulose form pulper waste", was the title of the presentation given by Simone Giangrandi, as part of the technical session on Circular Economy.





- **KAPPA 2016** - Dusseldorf / 19-26/10/16, International trade fair for plastic materials
- Visit of **Lithuanian delegation** in Selene – Lucca – 29/03/18 Lithuania’s life “capacity building” study visit to Italy
- Visit of **Hungarian delegation** in Selene – Lucca – 24/04/18 Study trip to Italy of the Hungarian life “environment” team



- International meeting Zero Waste Municipalities and Communities – Capannori 27-29/10/2017
- **Life Platform meeting** – Athens 21-23/09/2017
- Training meeting Zero Waste - Capannori (LU), 22/04/17. The workshops dealt with important issues such as environmental education and the circular economy.
- Education Training sui 10 Passi Rifiuti Zero - Capannori (LU), 11/12/16 to present Ecopulplast project
- Workshop on waste valorization as raw material in packaging and agricultural material preparation – Pisa – 28/11/2016 – LIFE Eco-Pulplast was presented at the **final workshop of the FP7 project Leguval** – Valorisation of legumes co-products and by-products for package application and energy production from biomass.
- Life ECO-PULPLAST alla Conferenza su Rifiuti Zero - Bastia - 13/05/16 to present LIFE Eco-Pulplast project
- European Zero Waste Meeting - Lucca, 20-22/05/16 to present Ecopulplast project





- **Zero Waste Towns network conference** – Ljubljana, 22/04/16 to present the project LIFE Eco-Pulplast, the key objectives of the project that, aiming at promoting synergy between industry and research towards a circular economy system.
- **Zero Waste Conference “Passi concreti verso un distretto locale di economia Circolare”** - Capannori - 29/12/15 to present LIFE Eco-Pulplast project

LIFE ECO-PULPLAST a Passi concreti verso un distretto locale di economia Circolare



### PROJECT EXCHANGE

Ecopulplast Partners, during the development of the project, exchanged experiences on waste recycling with some other subjects/projects in order to networking with other European and Italian projects aiming at reduce and recycle waste materials.

FP7 LEGUVAL	<a href="http://www.leguval.eu">www.leguval.eu</a>	LEGUVAL targets the use and valorisation of co-products and by-products of processed grain legumes by the extraction of the proteinaceous fraction to be used as a raw material in packaging
Recall, CIP-Eco-Innovation	<a href="https://cordis.europa.eu/project/rcn/108932_en.html">https://cordis.europa.eu/project/rcn/108932_en.html</a>	RECALL proposes the first application of a recently proven new recycling process for post-consumer waste of Absorbent Hygiene Products (AHP), with improved economic sustainability and replicability in a joint-venture approach between the global leader of AHP products (P&G) and a European network of waste recycling SMEs.
LIFE PREFER	<a href="http://www.lifeprefer.it">www.lifeprefer.it</a>	PREFER - PRoduct Environmental Footprint Enhanced by Regions is a project aimed to test a new european methodology to assess the environmental footprint of products and services.
LIFE Multibiosol	<a href="http://www.multibiosol.eu">www.multibiosol.eu</a>	MULTIBIOSOL- Innovative fully biodegradable mulching films & fruit protection bags for sustainable agricultural practices. objective of this project is to demonstrate that sustainability and efficiency of agricultural practices can be achieved by introducing an innovative, economically viable and fully biodegradable plastic that eliminates waste completely



FP7 Dibbiopack	<a href="http://www.dibbiopack.eu/">www.dibbiopack.eu/</a>	Dibbiopack is going to develop packaging that will be used in the near future by food, pharmaceutical and cosmetic industries. In particular, it will develop multifunctional packages in a wide range of processes, which improve the structural and barrier properties, introduce smart features and increase sustainability using nanotechnology.
FP7 Whey-layer2	<a href="http://www.wheylayer.eu/">www.wheylayer.eu/</a>	The WHEYLAYER project researched and developed a biopolymer-coating based on whey protein for plastic films able to replace currently used expensive synthetic oxygen barrier and Water Vapour Transmission Rate
Eco Innovation Recycled pallet system	<a href="https://ec.europa.eu/environment/eco-innovation/projects/en/projects/recycledpalletsystem">https://ec.europa.eu/environment/eco-innovation/projects/en/projects/recycledpalletsystem</a>	Closed loop pallet system: production, implementation and recovery of pallet components made of mixed post-consumer plastics.
H2020 NewInnoNet	<a href="http://newinnonet.eu">http://newinnonet.eu</a>	The NEW_InnoNet project is an initiative to establish a European platform for stakeholders aiming to show how the concept of circular economy can be enhanced and stimulated through: reduction or elimination of waste; fostering systemic eco-innovation; generating new business opportunities.
H2020 ImpactPaperRec	<a href="http://impactpaperec.eu">http://impactpaperec.eu</a>	ImpactPaperRec is a European project to boost the Circular Economy by further increasing the separate collection of paper for recycling and promote appropriate schemes to avoid landfilling and incineration.
FP7 Bioboard	<a href="http://www.bioboard.eu">www.bioboard.eu</a>	Development of a tailor coating system based on the renewable material derived from agrofood and waste and its application for paperboard and cardboard.
Mushrooms espresso	<a href="http://www.funghiespresso.com">www.funghiespresso.com</a>	Mushrooms Espresso, a start up agricultural inspired by the theories of the Blue Economy, in which the waste from a production cycle do not become waste, but generate new energy, new wealth and new jobs.
LIFE Extruclean	<a href="http://www.life-extruclean.eu/">www.life-extruclean.eu/</a>	LIFE EXTRUCLEAN project aims to demonstrate the viability of the implementation of a more efficient technology in the recycling of plastics, specifically in the recycling of polyethylene (PE) packages that have contained hazardous substances.
Urban REC	<a href="http://www.urbanrec-project.eu/">www.urbanrec-project.eu/</a>	URBANREC will implement an eco-innovative and integral bulky waste management system and demonstrate its effectiveness in different EU



		regions, including a roadmap to improve Eco-efficiency on European waste management & Pro-active standardization strategy.
LIFE Ecotex	<a href="http://www.life-ecotex.eu/en/">www.life-ecotex.eu/en/</a>	Demonstration of polyester of footwear waste recycling into new textile products using glycolysis technology.
LIFE PAVEtheWAYSTE	<a href="http://www.pavethewayste.eu/en/">www.pavethewayste.eu/en/</a>	Demonstrating resource efficiency through innovative, integrated waste recycling schemes for remote areas
LIFE Debag	<a href="http://www.lifedebag.eu/?lang=en">www.lifedebag.eu/?lang=en</a>	Integrated information and awareness campaign for the reduction of plastic bags in the marine environment
LIFE AMMOS	<a href="http://www.life-ammos.gr/en/">www.life-ammos.gr/en/</a>	LIFE AMMOS project aims at the prevention and reduction of smoking related litter on beaches. It becomes imperative to change public behaviour, as well as to develop the necessary infrastructure and tools to abate this problem.
LIFE M3P	<a href="http://www.lifem3p.eu/en/">www.lifem3p.eu/en/</a>	The Life M3P project will study and implement an on-line platform to promote exchanging of industrial waste among the companies of manufacturing districts.
LIFE Cleansea	<a href="http://www.cleansealife.it/">www.cleansealife.it/</a>	Clean Sea Life is an awareness raising program on marine litter uniting all marine enthusiasts in Italy – divers, yachtsmen, fishermen, beach goers, students and citizen – in the protection of the Mediterranean sea.
LIFE Cellu2PLA	<a href="http://www.cellu2pla.nl/nl/">www.cellu2pla.nl/nl/</a>	The intended breakthrough in this project is to produce PLA from the cellulose fraction in raw municipal wastewater, called screenings. Screenings is the fraction captured, using rotating belt fine screens, behind the coarse screening.



## 2.2. Consensus building and stakeholders involvement

This activity was run during the project with the aim to share project's objectives, to achieve the consensus on methods, to promote the replicability and transferability of project results and the industrial development of the project itself.

These activities allowed to establish new contacts for future collaborations:

### ORGANISATIONS AND ASSOCIATIONS

Ecopulplast Partners met many times, during the development of Ecopulplast project, many institutions of category/consortiums on recovery and recycling of material, important stakeholders of the recycling sector:

- **COREPLA**, National Consortium for Collecting, Recycling and Recovering Plastic Packaging.
- **CONAI**, Italian National Packaging Consortium
- **COMIECO**, the National Consortium for Recovery and Recycling of Cellulosica based Packaging

**ASSOCARTA**, Italian Consortium of paper and cardboard producers. Working group, together with Assocarta to elaborate a Ministerial Decree on end-of-waste for light plastics from pulper waste.

- **CONFINDUSTRIA NORTH TUSCANY**, Italian Industries Association.
- **SYMBOLA**, Foundation for Italian qualities, it promotes traditions, areas, technological innovations, research.
- **ATICELCA**, Technical Italian Association for cellulose and paper
- **POLIECO**, Italian Consortium for the recovery and recycling of polyethylene (plastic) waste
- **UNIONPLAST**, Unione Nazionale Industrie Trasformatrici Materie Plastiche

CONAI and COREPLA visiting Selene



### PUBLIC BODIES AND LOCAL AUTHORITIES

Ecopulplast Partners have met many times public authorities, in order to present the Ecopulplast project, to share the aims of the project, to present the scenario for the industrial development of the project and to create a collaboration for policy actions:

- **Regione Toscana** – Firenze, 05/08/16 - Dr Paolo Ernesto Tedeschi  
Regione Toscana shown deep interest in the project as it represents a concrete opportunity to increase the recycling rate of waste materials and is collaborating with Ecopulplast partners for the development of a collaboration with GDO for tests on euro-pallet.





The Regional Government of Tuscany, Lucense and the North Tuscany Industrialist association signed a protocol that identifies the Life Eco-pulplast project as the long-term main solution to the problem of pulper waste management.

- **Legambiente Toscana**
- **Movimento 5 Stelle** – on. Luigi Di Maio visited Lucense on 25/01/2018 to discuss about Ecopulplast Project
- **Ministero dell’Ambiente** – Italian Ministry of Environment

Working group with Lucense and Selene representatives, to elaborate a Ministerial Decree on end-of-waste for light plastics from pulper waste. The draft test is currently under technical evaluation.

- **Ministero dello Sviluppo Economico** – Ministry of Industrial development

ECOPULPLAST presentato a Roma al MISE



## POTENTIAL PARTNERS AND CUSTOMERS

### Market development

- Versalis/Eni – Selene signed an agreement with Versalis and PRS to test the pallets on the field and in real conditions of use.

