



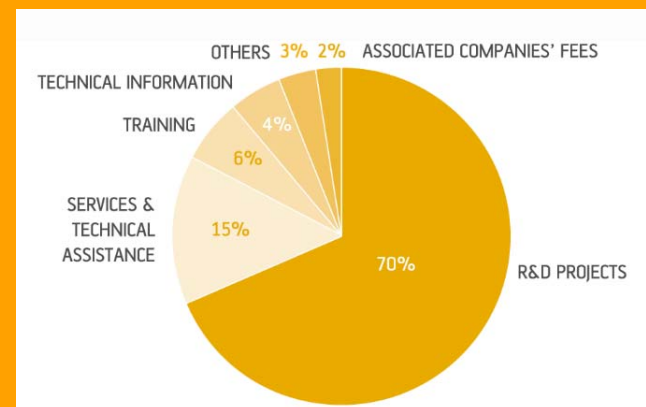
European Week of
Regions and Cities

Brussels

10-13 October 2016



- AIMPLAS is a Spanish Centre of Innovation and Technology
- 26 years of experience supporting companies in the plastic sector
- A team of more than 120 highly qualified professionals
- Over 8.500 m² facilities with the latest advanced technologies
- Revenues' distribution





European Week of
Regions and Cities

Brussels
10-13 October 2016



AIMPLAS LIFE Projects since 2010

- ✓ 5 as Coordinator Beneficiary
- ✓ 3 as Associated Beneficiary



LIFE
ECOMETHYLAL





European Week of
Regions and Cities

Brussels
10-13 October 2016



BREAD4PLA



LIFE EXTRUCLEAN





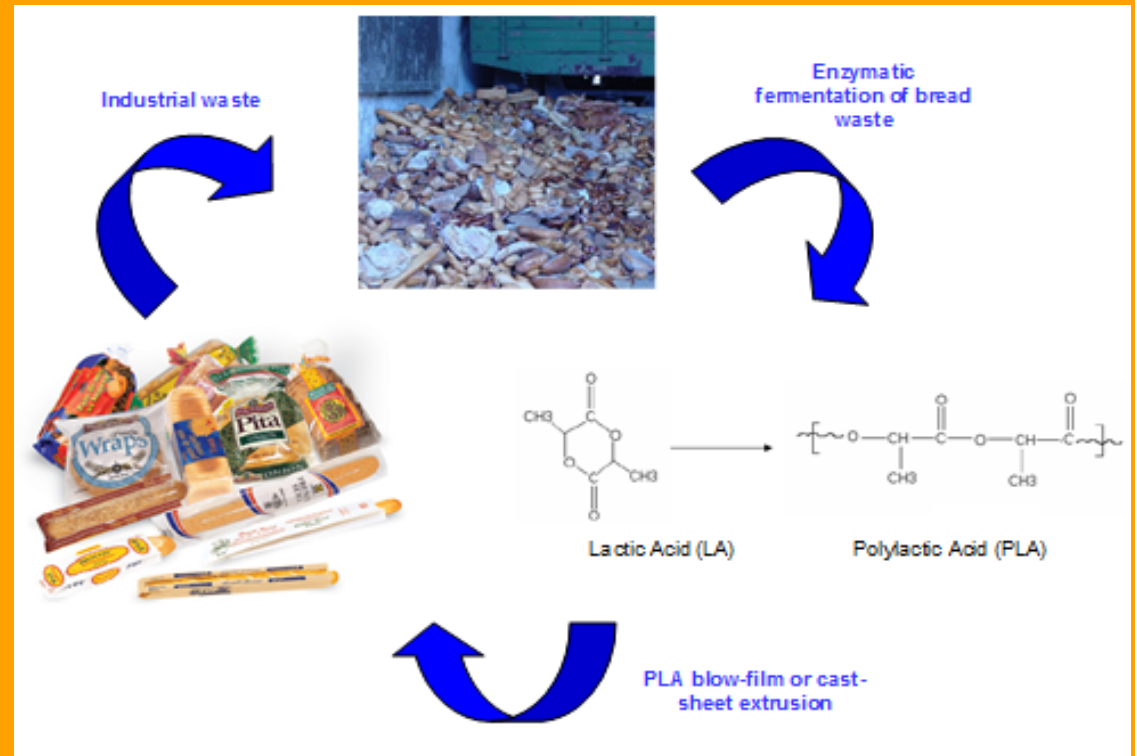
European Week of
Regions and Cities

Brussels

10-13 October 2016

LIFE10 ENV/ES/479

Demonstration plant project to produce poly-lactic acid (PLA) biopolymer from waste products of bakery industry



These projects have been funded by the
European Union

www.bread4pla-life.eu/
infobread4pla@aimplas.es



European Week of
Regions and Cities

Brussels
10-13 October 2016

LIFE10 ENV/ES/479



BREAD4PLA



Project **COORDINATOR**.

PLA properties modifications by compounding. Film extrusion and characterization



Pilot plant scale production of Lactic Acid using enzymatic process



Pilot plant scale production of PLA by chemical routes



Analysis of the organic waste of the bakery industry and packaging industrial validation



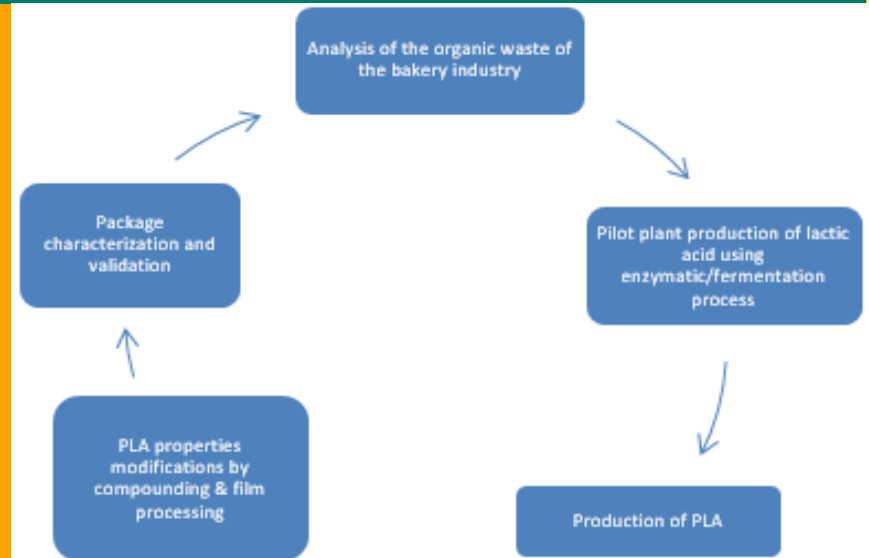
These projects have been funded by the
European Union

www.bread4pla-life.eu/
infobread4pla@aimplas.es



LIFE BREAD4PLA and the Circular Economy

- Demonstration in a pre-productive pilot plant of the PLA synthesis viability from bakery waste to manufacture 100% biodegradable film, i.e bakery products packaging (closing the life cycle).
- Use of non-conventional carbon sources to produce biopolymers (conventional machinery and comparable properties to the commercial PLA), giving a high-added value alternative to the industrial bakery waste, avoiding the use of fossil sources and landfill.



These projects have been funded by the
European Union

www.life-extruclean.eu
info@life-extruclean.eu





European Week of
Regions and Cities

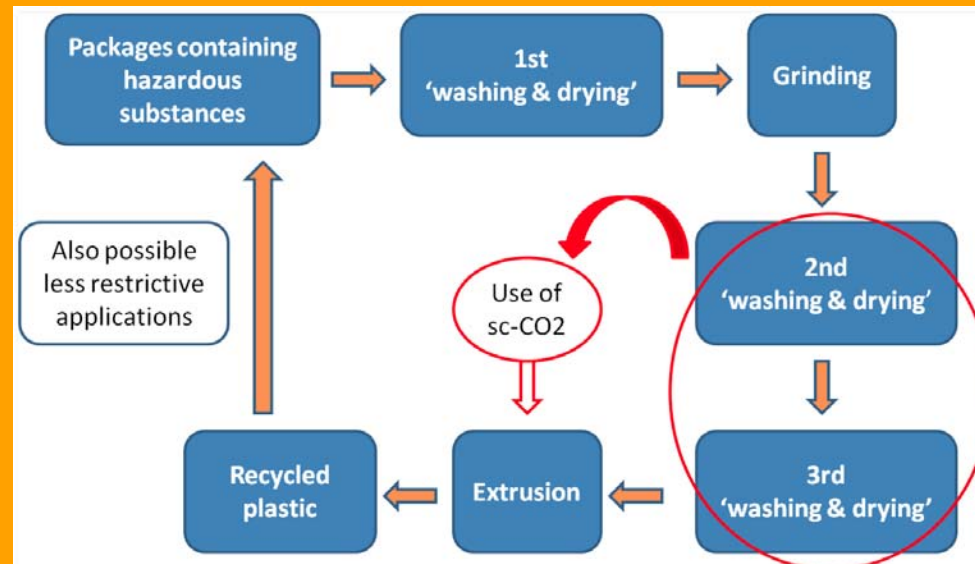
Brussels

10-13 October 2016

LIFE EXTRUCLEAN

LIFE13 ENV/ES/000067

Removal of hazardous substances in polyethylene packages using supercritical carbon dioxide (SC-CO₂) in recycling process



These projects have been funded by the
European Union

www.life-extruclean.eu
info@life-extruclean.eu



European Week of
Regions and Cities

Brussels

10-13 October 2016

LIFE EXTRUCLEAN



AIMPLAS
PLASTICS TECHNOLOGY
CENTRE

Project Coordinator
EXTRUCLEAN process optimization at pilot
plant scale and at the industrial plant



EXTRUCLEAN process industrial scale up



Production



AIDIMME 
INSTITUTO TECNOLÓGICO
METALMECÁNICO, MUEBLE, MADERA, EMBALAJE Y AFINES

Validation



ARVET
AGRUPACIÓN DE EXPORTADORES
DE TRANSFORMADOS

Dissemination



These projects have been funded by the
European Union

www.life-extruclean.eu
info@life-extruclean.eu



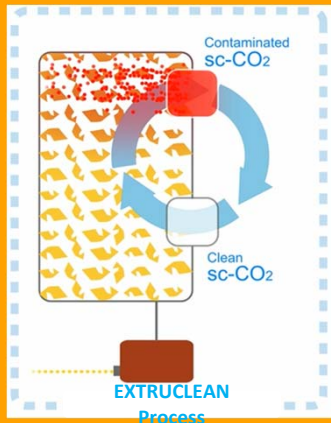
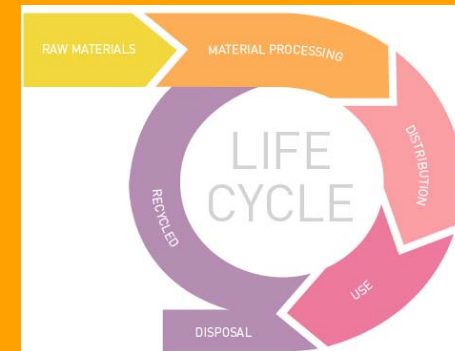
European Week of
Regions and Cities

Brussels
10-13 October 2016

LIFE EXTRUCLEAN

LIFE EXTRUCLEAN and the Circular Economy

Use the new recycled PE in the production of packaging for hazardous substances, closing the life cycle and use of the recycled material for other purposes



Water and chemicals reduction in the recycling process

Implement a new solution (EXTRUCLEAN Process) in the plastics recycling industry leading to more efficient and environmentally friendly processes as well as a higher quality recycled material



These projects have been funded by the
European Union

www.life-extruclean.eu
info@life-extruclean.eu



European Week of
Regions and Cities

Brussels

10-13 October 2016



LIFE14 ENV/ES/000703

Sustainable Urban FURniTURE: Toll design to perform environmental assessments in the green procurement framework



These projects have been funded by the
European Union

<http://www.life-future-project.eu/>
life-future-project@aimplas.es



European Week of
Regions and Cities

Brussels
10-13 October 2016



Project Coordinator
Data base development with GPP criteria



Identification of urban furniture
and selection for demonstration



UNIVERSITAT
JAUME I

GUF tool design



Dissemination



Demonstration and tool validation



These projects have been funded by the
European Union

<http://www.life-future-project.eu/>
life-future-project@aimplas.es



European Week of
Regions and Cities

Brussels

10-13 October 2016



LIFE FUTURE and the Circular Economy

- helping users to understand GPP criteria
- assisting in the selection of the best solutions in terms of GPP and therefore in **ECO-DESIGN**
- **encouraging and guiding public bodies** to include GPP clauses based on the tool results
- to facilitate decision-making process for GPP of urban furniture
- raising awareness of **life cycle** products



These projects have been funded by the
European Union

<http://www.life-future-project.eu/>
life-future-project@aimplas.es



European Week of
Regions and Cities

Brussels
10-13 October 2016

LIFE EXTRUCLEAN

New solutions for plastics re-use

Energy & Water saving



STAKEHOLDERS and SOCIAL
AWARENESS



Less environmental impact



These projects have been funded by the
European Union