**Start** October 1, 2017
**Project duration** 36 months
**Total budget** 1,289,434 €
**EU Contribution** 773,660€

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**Project LIFE16 ENV/ES/000254**
Co-funded by the LIFE Programme of the European Union

LIFE-Repolyuse approaches the problem of the management of polyurethane foam (PU) waste, by using a new technology which integrates them into a new construction material, a prefabricated gypsum ceiling tile.

September 2018

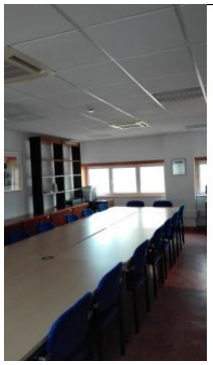
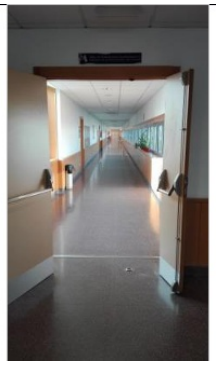
## Start Demo-Site Monitoring

Within the development of the LIFE-REPOLYUSE project, Action B.3 has commenced which is "Pilot of the process in buildings of different typology". The project involves the replacement of the ceiling tiles of these buildings with the new product developed in the LIFE-REPOLYUSE project.

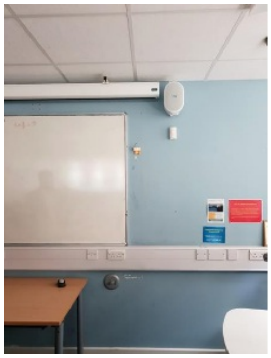
The project also carries out the monitoring of the defined zones for the measurement of energy efficiency and the carbon footprint of the whole process. The steps are as follows:

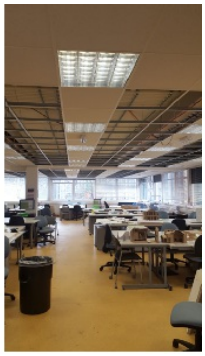
• Positioning of sensors and calibration of equipment.
• Measurement of the energy indicators in the standard ceiling (12 months).
• Installation of ceiling tiles LIFE-REPOLYUSE.
• Measurement of the energy indicators in the ceiling with LIFE-REPOLYUSE tiles (12 months).

The **Demo-site** of the Project in the University of **Burgos (Spain)** is located on the second floor of the building of the EPS (Milanera), in different areas of the Department of Architectural and Engineering Building and Land. The demonstrator has an approximate area of 350 m2.

The Demo-site of the Project at the Coventry University (United Kingdom) has an approximate monitoring area of 400m2 and is located in the Sir John Laing building of the School of Construction, Energy and Environment.





The first phase (Placement of sensors and calibration of the equipment) and the 2nd phase (Measurement of the energy indicators in the standard ceiling (12 months)) began last July in both demonstrators.

## 1st prototypes

The company Yesyforma (partner of the project) has already manufactured the first prototypes of the tiles for suspended ceilings, with polyurethane foam waste. The pilot manufacturing test is being carried out at the company's facilities in Zaragoza.

## Italpannelli

A new collaborator has joined the Project, namely the company Italpannelli Ibérica S.A., which belongs to the Italian group Italpannelli. They are producers of insulating polyurethane (PUR), polyisocyanurate (PIR) and rock wool panels. The company is collaborating with the project, contributing with waste from the production of polyurethane insulation panels from its Zaragoza factory. www.italpannelli-iberica.es

# News and events

## 2nd Progress Meeting_Life-Repolyuse

The European LIFE REPOLYUSE project, led by the UBU, held its 2nd progress meeting in Burgos on September 19th. The meeting was led by coordinators the UBU with the participation of beneficiary partners; Exergy Ltd. (United Kingdom), TECSA Empresa Constructora, S.A (Spain) and Yesyforma Europa, S.L. (Spain). At the meeting, each of the respected partners presented the technical advances in …

Leer más.

## Demo-site of the University of Burgos

Kassim Caratella and Dominic Jasinski, technical managers of the environmental consultancy Exergy Ltd (Partner of the Life-Repolyuse Project), visited the facilities of the Higher Polytechnic School (Milanera) of the University of Burgos, to begin the monitoring phase in the Demo-site of the Life-Repolyuse Project. The demonstrator has an approximate area of 350 2 and is located on the second floor …

Leer más.

## Factory Visit of Exergy to Yesyforma Factory facilities

Exergy visited the facilities of Yesyforma in Zaragoza, to learn about the production process of the standard plaster tiles, and to examine the new production line that is being built for the manufacture of the tiles of the Life-Repolyuse project.

Leer más.

## Reunión con SIGRAUTO

Manuel Kindelan, General Director of SIGRAUTO (Spanish Association for the Environmental Treatment of Vehicles Out of Use), Nicolás Molina, Head of Technical Area of FER (Spanish Federation of Recovery and Recycling) and José Ramón Fernández, TODAUTO AND La BRÚJULA (Company dedicated to the recovery of Vehicles Out of Use "VOU"), visited the Polytechnic School of the University of Burgos. They …

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## Meeting with Group Antolin

Enrique Fernández (Director of Advanced Engineering of the GA Ceiling business unit), Luis Miguel de Juan (Materials Research, Innovation Department) together with Jesús Vicente Escudero and Raúl Martín Para (GAI I + D + i), visited the EPS facilities to know the progress of the Life-Repolyuse Project, in which they collaborate.

Leer más.

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## The UBU presented the innovations of LIFE-REPOLYUSE in Washington ICPIC 2018-LIFE REPOLYUSE

The "ICPIC18" was held in Washington under the slogan "Polymers for Resilient and Sustainable Concrete Infrastructure", a leading global conference on polymers under construction, in which two researchers of the LIFE-REPOLYUSE Project participated. The paper "Design and Manufacture of a Sustainable Lightweight Prefabricated Material Based on Gypsum Mortar with Semi-Rigid Polyurethane Foam Waste", was defended by researchers Sara Gutiérrez González …

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## Workshop with the Niño Jesús School from Burgos

Students of the Niño Jesús School, visited the University of Burgos, to learn about the Life Repolyuse

Project and to work "Designing new plaster materials with polyurethane waste"

Leer más.

## Fostering scientific vocation of the smallest

Small researchers, builders and architects https://youtu.be/_JjbP85GTec http://www.ubu.es/noticias/pequenos-investigadores-constructores-y-arquitectos

Leer más.

## IV Science Fair of Castilla y León

https://www.youtube.com/watch?v=kWMQpMBHPp0 The IV Science and Technology Fair of Castilla y León filled the EPS of students from Infant to Baccalaureate and FP Scientific workshops, competitions, stands and a physics show opened the UBU to all society Science Fair of Castilla y León May 7, 2018 by ubu.es http://www.ubu.es/noticias/un-dia-lleno-de-cultura-y-entretenimiento-cientifico-para-todos

Leer más.

Partners

ubu.es I exergy.uk.com I grupoacs.com I yesyforma.es

Stakeholders