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 is developing a new construction material that includes polyurethane waste (PUR and PIR) from different industries. The objective is to achieve a reduction in the use of natural resources, an increase in the rate of recycling of polyurethane waste and an improvement in the energy efficiency of buildings. With the new technology developed is being produced a prefabricated gypsum ceiling tile.

March 2019

Project's progress

Yesyforma (project partner) has built a prototype to produce the new plaster ceiling plates. The new manufacturing line is located in the company's facilities in Zaragoza (Spain). The material has already been manufactured and sent to the Demo-Site in Álava (Spain), and it is expected that the new material will be placed at the beginning of April 2019.

In the Demo-Site of Burgos (Spain) and Coventry (United Kingdom) the pre-monitoring with the standard plates continues. This task ends in July of this year, at which time the new plates produced in the REPOLYUSE project will be placed and a new study period will begin.

Publications

Polymers magazine publishes a scientific article with part of the results obtained in the Life-Repolyuse project.The article describes the behavior of several polyurethane foams from different types of industries, which were studied with the aim of evaluating their potential use in construction materials.Polymers is an international, open access journal of polymer science with a F.I .: 2.935 and a Q1 in the Journal Citation Report.

Raúl Gómez-Rojo, Lourdes Alameda, Ángel Rodríguez, Verónica Calderón and Sara Gutiérrez-González. **Characterization of Polyurethane Foam Waste for Reuse in Eco-Efficient Building Materials**. Polymers 2019, 11, 359; doi:10.3390/polym11020359

The patent for the product and process has also been applied for.

Yesyforma Europe leads Life-Repolyuse ProjectPromateriales de construcción y arquitectura actual. Númeroº128/febrero 2019, pag.153.https://promateriales.com/numero-128/

Events

Meeting with Yesyforma

Ernesto García (General Manager) of the company Yesyforma (Partner of the Life-Repolyuse Project), met with members of the University of Burgos, to specify the deadlines for delivery of the polyurethane tiles for the Demo-Site of the Project Life-Repolyuse of the University. The Demo-site has an area of approximately 350 m2 and it is located on the second floor of the …

Leer más.

3th Progress Meeting Life-Repolyuse

The partners of the Life-Repolyuse Project (REcovery of POLYurethane for reuse in eco-efficient materials) met on February 1 with the aim of sharing with the external monitor, Estíbaliz Gabilondo (of the LIFE IDOM-NEEMO team), the progress of the project coordinated by the research group in Building Engineering at the University of Burgos.

Leer más.

Workshop with the Public School Miguel Delibes

Seventy-six students of the 2nd year of early childhood education (4-5 years) of the Public School "Miguel Delibes" have participated in the workshop: "Build your sustainable house", organized by the Building Engineering Research Group of the University of Burgos, within the dissemination activities of the European Project LIFE-REPOLYUSE "REcovery of POLYurethane for reuse in eco-efficient materials".

Leer más.

TECSA presents the Life-Repolyuse Project

TECSA presented on the 21th of December the Life Repolyuse project to the students of the Carlos III University of Madrid in a workshop about the future of the construction sector and R&D.

Leer más.

Workshop with the Liceo Castilla Maristas School from Burgos

The students of the 6th grade of primary of the Liceo Castilla Maristas School, participated in the Life-Repolyuse Project Workshops of the University of Burgos. They learned in a practical and entertaining way the importance of using construction materials made with industrial waste.

Leer más.

Workshop with the School "La Visitación de Nuestra Señora "Saldaña"

The students of 3rd grade of the School La Visitación de Nuestra Señora "Saldaña" were in the Higher Polytechnic School (Milanera), to help the Research Group in Building Engineering in the "Design of new plaster materials with polyurethane

waste". The activity is part of the European Project Life-Repolyuse , coordinated by the University of Burgos. These small researchers worked in …

Leer más.

Life- Repolyuse in DPA

Yesyforma presented the LIFE-REPOLYUSE project in the DPA forum,"Innovation Forum on Architecture, Construction and Rehabilitation", on November 29th in Bilbao. Ernesto García, Managing Director of Yesyforma, explained to the attendees the objectives and results defined in the project.

Leer más.

News

The European Life-Repolyuse Project promotes research and recycling among primary school students

Posted on December 13, 2019 by ubu.es

Research approaches the students of Primary

Posted on December 13, 2019 by diario de burgos.es

European Researchers Night

Posted on September 30, 2019 by ubu.es

The “little ones” learn what it’s recycling

Posted on May 16, 2019 by ubu.es

Life-Repolyuse at the International Conference “Save the Planet”

Posted on May 09, 2019 by ubu.es

The polyurethane would transform a harmful waste to the environment in a building material

Posted on March 22, 2019 by ecoticias.com

Polyurethane finds a second useful life as a construction material

Posted on March 22, 2019 by agenciasinc.es

Polyurethane finds a second useful life as a construction material

Posted on March 21, 2019 by dicyt.com

Pequeños constructores, grandes investigadores

Posted on February 21, 2019 by ubu.es

Avance de Life-Repolyuse en la producción del nuevo prefabricado de yeso-pur

Posted on February 15, 2019 by ubu.es

The LIFE-REPOLYUSE project is pioneering to recycle polyurethane foams waste

Posted on January 09, 2019 by European Comision

Concienciar a los niños de la importancia del reciclado

Posted on January 18, 2019 by ubu.es