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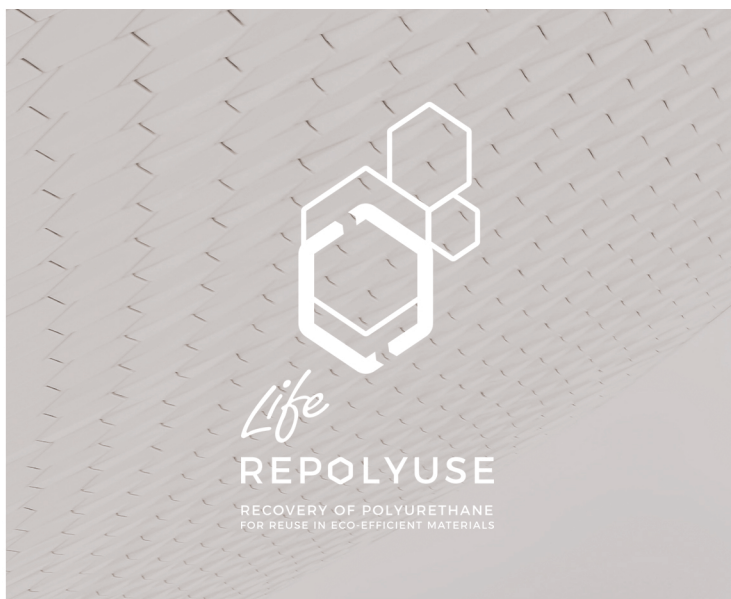
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LIFE-REPOLYUSE is a European Union project which aims to tackle the problem of the management of polyurethane foams (PU) waste, currently disposed as inert waste and landfill with the consequent environmental impact.



Start October 1, 2017

Project duration 36 months

Total budget 1,289,434 €

EU Contribution 773,660 €

Project LIFE16 ENV/ES/000254

Co-funded by the
LIFE Programme
of the European Union



Aims



To maximise the reuse of PU waste by integrating it into a new gypsum-based construction material, thus extending the life cycle of the waste.



To reduce the carbon footprint of the material avoiding the incineration of PU waste. To reduce energy consumption compared to current manufacturing processes and improve the energy efficiency of buildings through the use of this new material.



To transfer and replicate the Life-Repolyuse technology in other EU countries.



To promote sustainability in the management of PU waste.



PU Waste

From different formats and origins, such as insulating panels from the refrigeration or construction industry, car seats and manufacturing waste from the automotive industry.



Tiles factory

The PU waste is transported to the ceiling tiles factory (YESYFORMA) where it is **crushed in the production line** and mixed with gypsum to make the prototype.



Monitoring of the technical, environmental and socio-economic impact of the project.
EXERGY will assess savings of CO₂, energy and water in different phases of the cycle, as well as acoustic system improvement



Demo site

Implementation in three buildings of different types: at the University of Burgos (Spain), in a new building of TECSA in Vitoria (Spain) and in the rehabilitation of an existing building of EXERGY at Coventry University (United Kingdom).

In the case of the demolition of the building the ceiling tiles are dismantled and **can be recycled again**.



Life

REPOLYUSE

To make the use of resources more efficient in Europe

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