



LIFE13 ENV/ES/000173 GREENZO

Circular Economy, change of paradigm for the industrial waste managers

For almost a decade now, there is a tendency in Europe known as “Circular Economy” that tries that industrial ecosystems emulate the natural ecosystems in which the waste generation is practically nil as there is almost complete reuse of the resources in a permanent symbiosis.

The constant evolution of the technology and the new knowledge acquired is allowing to go on in this line through “Research and Development” in such a way that the transformation of waste in by-products or raw materials will allow the human being to advance in the conservation and improvement of the environment.

According to Hazael Seguí (manager of WORTEUROP S.L.) *“for managers, this evolution in the channels that technology opens for the improvement of waste application allows to transfer to their producer the culture of separation at source of any waste with the aim of transforming it in a by-product”*.

It is here where LIFE+ GREENZO project has sense, researching and developing new application channels to change the condition of the waste coming from the zamak injection industry to a sub-product (Zinc Oxide) thus providing society with a qualitative and quantitative improvement for the improvement of environment.

This project will be developed within 3 years, and it is funded by the European Commission through the LIFE13 ENV/ES/000173 GREENZO instrument. It is coordinated by AIJU; ITQ-CSIC, WORTEUROPE and CAUCHOS KAREY participate in this project.



Green & Sustainable Chemical Conference

Green Chemistry in the field of sustainability

Last April AIJU participated in the [conference “Green and Sustainable Chemistry”](#), in which the results obtained up-to-day within the GREENZO project were presented jointly to near 100 working groups of international scope related to green chemistry.

In the development of this event there were many signs of interest in relation to the potential applications of zinc oxide (ZnO) obtained in the project from zamak industrial waste and the design and development of the pilot plant. The ZnO, achieved in powder form, is being applied in the rubber and EVA reticulation and in the chemical catalysis processes.

In the event, several organisations were interested in collaborating with the consortium with the aim of optimising the properties of the ZnO achieved, by processing it at nanometric scale and analyse their use in the [multiple industrial applications](#) it has.

GREENZO project will attend next 13-16 June [WECH 2016](#) in Zaragoza, where we will present the ZnO uses in hydrogen energetic applications.

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