

REPSOL DEVELOPS NEW INITIATIVES TO PROMOTE THE CIRCULARITY OF POLYURETHANE

- Repsol reinforces its commitment to the circular economy of its materials with two new initiatives oriented to polyurethane.
- The company shared its strategy on circular economy with its clients through several chemical business global projects.

On November 5 and 6, Repsol held its "Circular Economy Business Days " at its Repsol Technology Lab research center and its corporate headquarters in Madrid. This meeting brought together Repsol's clients, recognized experts, associations and technological institutes specialized in the industry. During the event, Repsol highlighted its firm commitment to promote the sustainability of its materials by increasing their circularity through different initiatives, among which were specific projects to work on solutions to dispose of polyurethanes after their useful life.

Repsol had the opportunity to present both the company's global strategy on circular economy matters and those specific to its chemicals business. In addition to going over the chemical business global projects, already announced in 2018, such as the Reciclex project, for the reuse of post-consumer plastic, the Zero project, focused on chemical recycling, and the development of biodegradable polyolefins, **two new ongoing initiatives specific for polyurethane** were presented:

- **Bio PUR:** new technology for the biotechnological conversion of polyurethane waste (PU) into value-added products using microbial activity.
- **PU Recycling:** participation in the polynSPIRE project, aimed at improving the overall performance of plastics recycling, as part of Horizon 2020 EU Research and Innovation program. This project will treat polyurethane waste through microwave-based chemical recycling technology.

The conference speakers included Dr. Martin R. Stuchtey's, founder and managing partner of SYSTEMIQ Ltd, a company that develops new markets and assets in the field of sustainability. During his presentation "Circular Economy: the great challenge" he highlighted the need to implement, within the chemical industry, the "RESOLVE" methodology: **RE**generate, **S**hare, **O**ptimize, **L**oop, **V**irtualize and **E**xchange.

These initiatives are framed in the pact for the circular economy that Repsol signed in October 2017, together with the main economic and social agents of Spain, with the aim of encouraging the transition towards this new economic model. Repsol also participates in other initiatives in which it is firmly committed to this objective, such as the Voluntary Commitment "Plastics 2030", by PlasticsEurope.

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NOTE TO THE EDITOR

Repsol is a global company, present along the entire energy value chain, including hydrocarbon exploration and production, refining, transport, chemicals, service stations and the development of new energy solutions.

It is active in 37 countries and employs more than 25,000 people, and its products are sold all over the world.

The company is well-positioned for the energy transition with its focus on developing production of gas, low-carbon businesses and a multi-energy offering for consumers.

In terms of technology—one of the pillars of the company—its cutting-edge projects in various fields have made it a point of reference for innovation, sustainability, and efficiency in the energy industry

Repsol manufactures and markets a wide variety of chemical products, ranging from basic petrochemicals to derivatives. In addition, the company has three large petrochemical facilities in Europe where high added-value differentiated products are developed.

The products from Repsol's Chemicals Division are used to manufacture everyday objects that improve people's quality of life, their well-being and their safety.

Supplementary graphic material and photographs to illustrate the information in the press release:

