

PRESS RELEASE

SUCCESSFUL STARTING OF HORIZON EUROPE GREEN-LOOP PROJECT SUSTAINABLE MANUFACTURE SYSTEMS TOWARDS NOVEL BIO-BASED MATERIALS



The **GREEN-LOOP** project, funded under the Horizon Europe Programme, has been officially launched during the kick-off meeting held last 19-21 September 2022, at Nao Victoria 500 y Espacio I Vuelta al Mundo in Seville, Spain.

The Consortium is comprised of 17 partners from 8 countries: Spain, Germany, Italy, Slovenia, United Kingdom, Austria, Portugal, Poland.

GREEN-LOOP is a research-intensive innovation project aiming at enhancing and supporting the bioeconomy at European level through robust product design adapted to new sustainable and circular schemes,

reducing the cost of manufacture and accelerating the market introduction of novel bio-based products.

Three value chains will be implemented and three new bio-based products will be produced:

- multifunctional rubber panels with fire resistance and vibrational applications
- bioplastic bottle closures for oil and fruit juice
- wood composites bearings for plastic injection machines.

They will aim for better mechanical, physical and chemical properties compared with conventional materials; they will ensure a substantially lower environmental footprint, being non-toxic and demonstrating its recyclability, reusability, refurbish ability.

GREEN-LOOP's vision will include the retrofit of conventional manufacture systems to adapt new bio-based production, electrification of manufacturing systems, advanced control with monitoring, artificial intelligence and sustainable designs of final products.

The project builds on the strong know-how and expertise of its partners in the addressed scientific and industrial areas making **GREEN-LOOP** a well-balanced project between industry and academia, speeding up the successful implementation of all the actions towards its fruitful results.

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