



Project: CALICO

Project description:

Canoe, a Research & Transfer centre specialising in the development of advanced materials, is launching a high added-value recycling and recovery project for non-reusable used acrylic textiles. Called CALICO (reCyclage AcryLique pour fibre de CarbOne), the project aims to develop a carbon fibre for the automotive, wind energy, sports and leisure sectors.

Location: Pessac (France)



Project: ValotexPES

Project description:

The Valotex PES project, led by start-up Muovi, offers a solution for the thermomechanical recycling of non-reusable used polyester textiles. The materials obtained from different sources will be characterised and evaluated for different applications, such as textile spinning, the manufacture of padding fibres and the production of plastic parts.

Location: Arches (France)

SYNTETICA

Project: Syntetica

Project description:

The Syntetica start-up is launching a project to recycle non-reusable used tights in collaboration with DIM Brands International. The project is based on the chemical recycling process for nylon textiles developed by Syntetica, and aims to produce a 100% recycled nylon yarn for the production of new pairs of DIM tights.

Location: Reims (France)



Project: Rechauss2

Project description:

Already a winner of Refashion's 2019 Innovation Challenge, Idelam is continuing its work on supercritical fluid delamination of used footwear to facilitate recycling with the Rechauss2 project. The aim of the project is to assess the recyclability of the materials resulting from the process of separating the various components of footwear, and to optimise the process with a view to the technology's industrialisation in the near future.

Location: Pessac (France)



Project: Identification Noir & Multicouches

Project description:

Plas'tri, a specialist in the development of materials identification equipment, is proposing to investigate a new method for identifying the material composition of complex textiles and footwear. The project "Identification Noir & Multicouches" aims to go beyond the limits of conventional near infrared spectrometry and identify the materials in black and multilayer textiles and footwear.

Location: Saint-Etienne (France)



Project: Open & closed loop

Project description:

The Open & Closed Loop project, led by the German company Re-Fresh Global, aims to leverage their innovative biotechnological process to separate natural fibers from synthetic fibers in post-consumer textile waste. This project will allow Re-Fresh Global to finalise the research phase of this process, by providing high-conversion solutions for the recycling of non-reusable used textiles within a scalable model.

Location: Berlin (Germany)