CAFIPLA

Combining carboxylic acid production and fibre recovery as an innovative, cost-effective, and sustainable pre-treatment process for heterogeneous bio-waste

- Is your company looking for sustainable products or materials/chemicals for its processes?
- Are you a decision-maker representing a city/region and looking for valorisation opportunities for unexploited biogenic waste streams?
- Are you a biogas plant operator searching for alternative value chains?

Bio based Industries Consortium

BBI JU

Horizon 2020
European Union Funding
for Research & Innovation

This project has received funding from the Bio-based Industries Joint Undertaking (JU) under the European Union's Horizon 2020 research and innovation programme under grant agreement No 887115. The JU receives support from the European Union's Horizon 2020 research and innovation programme and the Bio-based Industries Consortium.

CAFIPLA Project Overview

The CAFIPLA project started on June 1st, 2020 and is funded by the Bio-Based Industries Joint Undertaking (BBI JU) under the EU's Horizon 2020 research and innovation program.

Schematic overview of the CAFIPLA process. CAP: Carboxylic Acid Platform; FRP: Fibre Recovery Platform; SCCA: Short chain carboxylic acids; MCCA: Medium chain carboxylic acids; MP: Microbial protein; PHA: Polyhydroxyalkanoic acid.

(Image sources: CAFIPLA partners, AdobeStock and Pixabay)

Over a period of three years, CAFIPLA will develop a strategy for the valorisation of previously un(der) utilized biogenic residues and waste materials and contribute to the further elaboration of a competitive bioeconomy to achieve the Green Deal goals. The project will combine optimized mechanical and biochemical pre-treatment and separation steps, a Carboxylic Acid Platform (CAP) for carboxylic acid recovery and a Fibre Recovery Platform (FRP) into a single platform. The resulting intermediates will be converted into higher value compounds (chemicals, feed and biomaterials).

CONTACT

Project Coordination

TECNALIA
Thomas Dietrich
Phone: +34 664 039 292
E-mail: thomas.dietrich@tecnalia.com

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