

# CATCO<sub>2</sub>NVERS

The overall idea of CATCO<sub>2</sub>NVERS is to reduce greenhouse gasses emissions from the Bio-Based Industries transforming waste-CO<sub>2</sub> from 2 bio-based industries into 5 added-value chemicals: glyoxylic acid (GA), lactic acid (LA), furan dicarboxylic methyl ester (FDME), cyclic carbonated fatty acid methyl esters (CCFAMEs) and bio-methanol, with application in the chemical, cosmetics and plastic industry, the project will process bio-based products replacing fossil material with a zero or negative greenhouse gas emissions.

## OBJECTIVES

The overall objective of CATCO<sub>2</sub>NVERS is to reduce greenhouse gasses emissions. To this end, the vision of the project revolves around two main axes:

- 1). Developing and applying catalyst-based technologies for CO<sub>2</sub> conversion to added-value chemicals
- 2). Validating technologies at TRL5 with industrial synthetic off-gases and providing sustainability and proofing socioeconomic and industrial feasibility.

## PROCESSES

