

CATCO₂NVERS

The overall idea of CATCO₂NVERS is to reduce greenhouse gases emissions from the Bio-Based Industries transforming waste-CO₂ 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 CATCO₂NVERS is to reduce greenhouse gases emissions. To this end, the vision of the project revolves around two main axes:

- 1). Developing and applying catalyst-based technologies for CO₂ conversion to added-value chemicals
- 2). Validating technologies at TRL5 with industrial synthetic off-gases and providing sustainability and proofing socioeconomic and industrial feasibility.

PROJECT PARTNERS

FUNDTITEC

WAGENINGEN UR
For quality of life



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

UNIVERSITY OF TWENTE.

avantium

perseo
biotechnology

HYSYTECH
FILLING THE GAP

nova

Dan*no
artificial nature



Sustainable
INNOVATIONS®



alchemia
nova

AVA BIOCHEM

Evyap

JM Johnson Matthey
Inspiring science, enhancing life