CATCO2NVERS

The overall idea of CATCO2NVERS is to reduce greenhouse gasses 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.

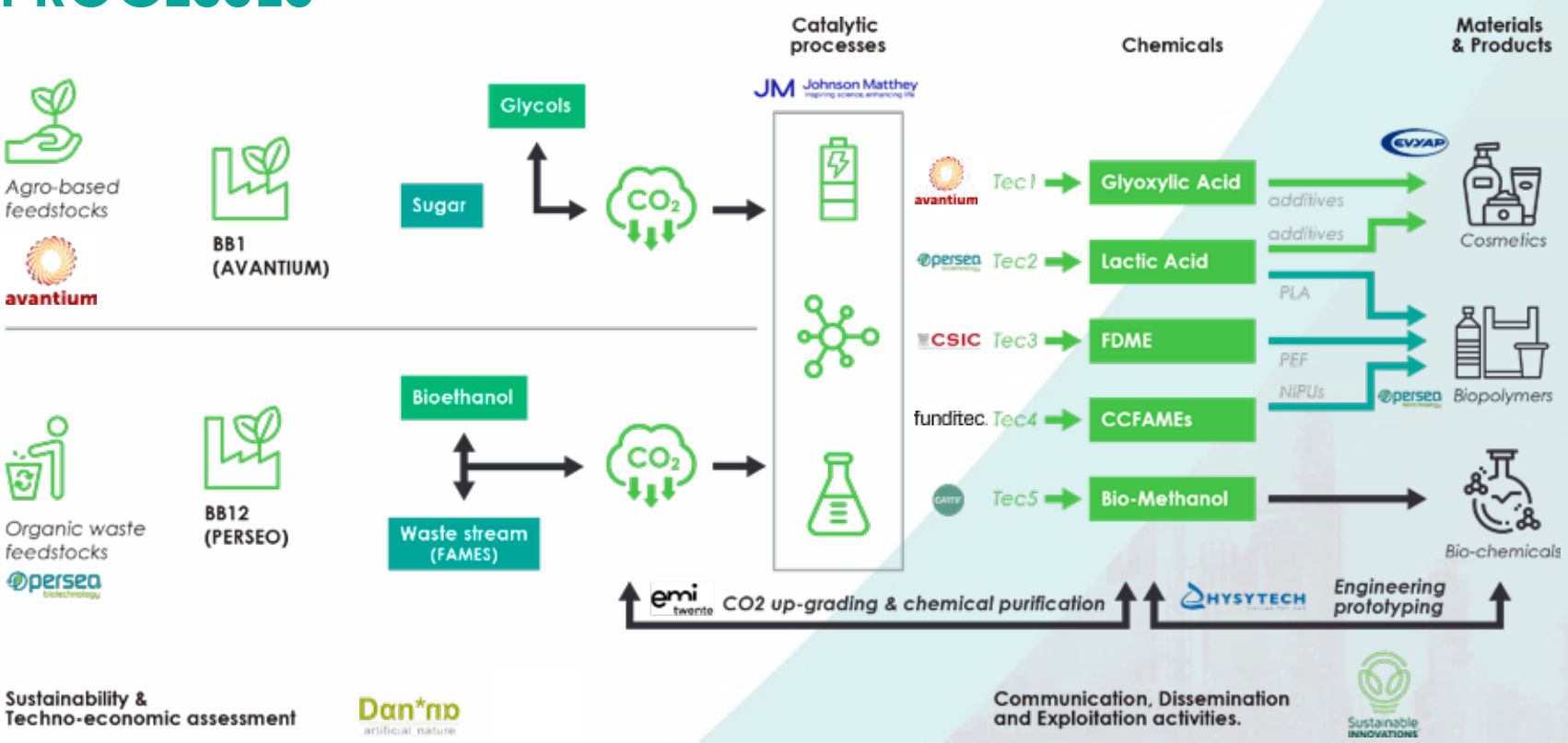
OBJECTIVES

The overall objective of CATCO2NVERS is to reduce greenhouse gasses 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.

PROCESSES



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