



European
Commission



INNOVATION FUND

Deployment of net-zero and innovative technologies

ECOPLANTA: Reduction of CO2 emissions in methanol production from municipal non-recyclable waste

The Innovation Fund is 100% funded by the EU Emissions Trading System

| Project Factsheet

The ECOPLANTA project will revolutionise municipal solid waste (MSW) management by using non-recyclable materials rejected by sorting centers to produce circular chemicals and advanced biofuels. The project will deliver a first-of-a-kind commercial plant for the European market, using waste that would otherwise end up in landfill. Located in a petrochemical complex in El Morell, near the port of Tarragona in Spain, the production site will produce 237 kt/y of methanol, and thereby recover 70% of the carbon present in the non-recyclable materials. The methanol produced will displace fossil-based chemicals and fuels. Based on the IF methodology, the project will achieve 3.4 Mt CO₂eq of GHG emissions reductions over the first ten years of operation.

COORDINATOR

ECOPLANTA MOLECULAR RECYCLING SOLUTIONS SL

LOCATION

Spain

CATEGORY

Energy intensive industries (EII)

SECTOR

Chemicals

AMOUNT OF INNOVATION FUND GRANT

EUR 106,379,783

EXPECTED GHG EMISSIONS AVOIDANCE

3,444,269 tonnes CO₂ equivalent

STARTING DATE

01 November, 2021

ENTRY INTO OPERATION DATE

30 March, 2028

FINANCIAL CLOSE DATE

30 September, 2024

| Participants

ECOPLANTA MOLECULAR RECYCLING SOLUTIONS SL

Spain

