



ROAD 2 GREEN CHEM

Path towards safe
& sustainable
chemicals through
renewable energy



Chemicals are essential in our modern society. They are used in many sectors, like health, energy, mobility and housing.

However, the chemical industry is among the biggest sources of emissions within the industrial sector.

In order to reach the goals set by the EU Green Deal, the industry's transformation is key.



The Cluster

In line with this objective, the Road2GreenChem Cluster aims to develop innovative technologies for green chemistry, solar energy and green power to cut out the use of carbon feedstock in the chemical industry.

Road2GreenChem will provide:

- Competitive technologies allowing the production of chemicals through sustainable energies and methods, like solar energy and CO₂ recycling, in a circular economy perspective;
- a new generation of scientists with broad multidisciplinary and multisectoral skills.

The logo for SunCO₂Chem features a stylized sun with rays in orange and yellow, positioned above the text "SunCO₂Chem" in a green, sans-serif font.The logo for DECADE features a stylized sun with rays in orange and yellow, positioned above the text "DECADE" in a bold, orange, sans-serif font.The logo for RECO₂DE features the text "RECO₂DE" in a green, sans-serif font, with a stylized sun and rays integrated into the letter "O".The logo for SOLAR CHEM₂ features the text "SOLAR CHEM₂" in a bold, orange and blue, sans-serif font, with a stylized sun and rays integrated into the letter "O".The logo for ocean features a stylized green landscape with a factory and wind turbines, positioned above the text "ocean" in a green, sans-serif font.The logo for FLOW PHOTO CHEM features the text "FLOW PHOTO CHEM" in a blue, sans-serif font, with a stylized sun and rays integrated into the letter "O".

The group aims to achieve:

- Efficient, scalable and sustainable high-value chemical production;
- Validation of technologies in real industrial environments;
- A realistic comparison of the current technologies with the actual fossil-fuel-based approach from the perspective of the technoeconomic, environmental, societal and market future impacts.

Discover
Road2GreenChem's
innovation and take
part to the green
revolution.



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