



Horizon 2020
N° 818135

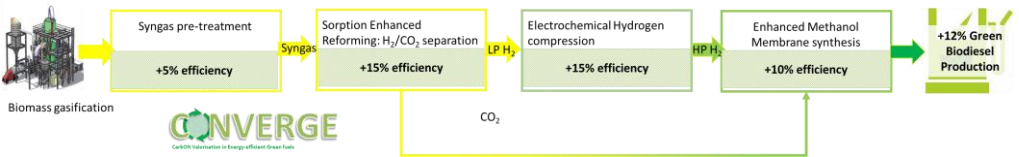
CONVERGE

CarbON Valorisation in Energy-efficient Green fuels

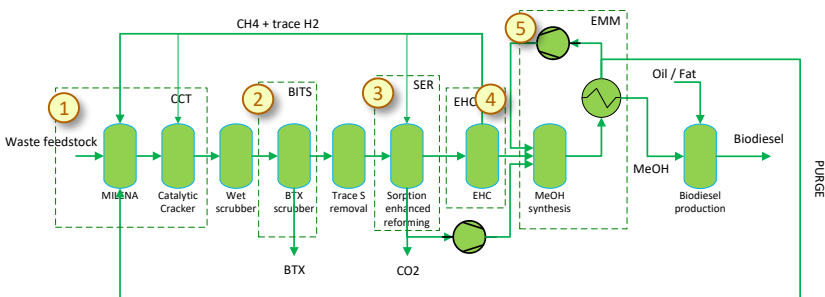
LOWERING THE COST OF BIODIESEL PRODUCTION

CONVERGE will validate an innovative process for green biodiesel production which is *more efficient* and *less expensive* than current technology making it competitive with fossil fuels.

Within the project new venues will be explored to adopt any residual biomass as fuel, facilitating the use of locally available secondary biomass streams, **in compliance with the sustainability criteria of the Directive (EU) 2018/2001**.



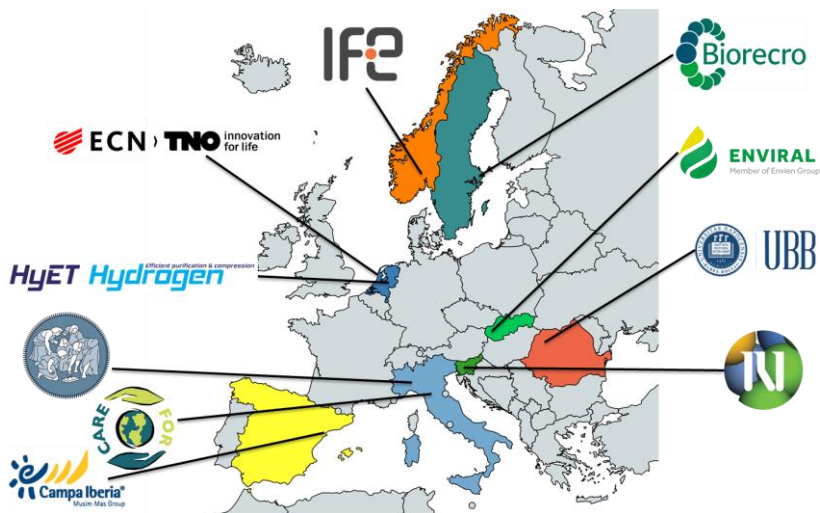
At the heart of this project are **five breakthrough technologies** connecting the latest developments in the gasification process of secondary biomass, upgrading and separation of synthesis gas streams, production of green CO₂, and hydrogen purification and compression.



The CONVERGE technologies will be validated for more than 2000 cumulated hours taking these from the discovery stage (TLR3) to development stage (TRL5)

The CONVERGE project goal is to validate an innovative process which will increase the biodiesel production by 12% and reduce the CAPEX by 10%

To achieve this ambitious goal, the consortium brings together two universities, three research centers and five companies across Europe. The partners represent the full value chain from secondary biomass supply to biodiesel production.



The project started in November 2018 with the aim of demonstrating the new technology in 2022. CONVERGE will also include an assessment of the environmental impact of the project, carried out in four regions within the European Union.



www.converge-h2020.eu

**ResearchGate: CONVERGE:
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Energy-efficient Green fuels**

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