

BUTTERFLY – Biomass Utilized To The Extended portfolio of Renewable Fuels with Large Yields, is a Horizon Europe Innovation Action project that aims to develop an innovative and flexible co-production of renewable and recycled carbon DiMethyl Ether (rDME) and Synthetic Natural Gas (SNG) from waste and residual feedstocks, targeting the off-grid energy supply, the steel industry and heavy transportation.



In addition to well-assessed residual feedstock, the project also aims to demonstrate the high value application of new waste streams:

- Black pellets: produced from wet organic residues
- RDF: Refuse-Derived Fuel
- ASR: Automotive Shredder Residue



Coordinated by



Partners



Contacts



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[BUTTERFLY Horizon Project](#)



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Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

The objectives



Produce advanced biofuels and renewable fuels from waste and residual feedstock

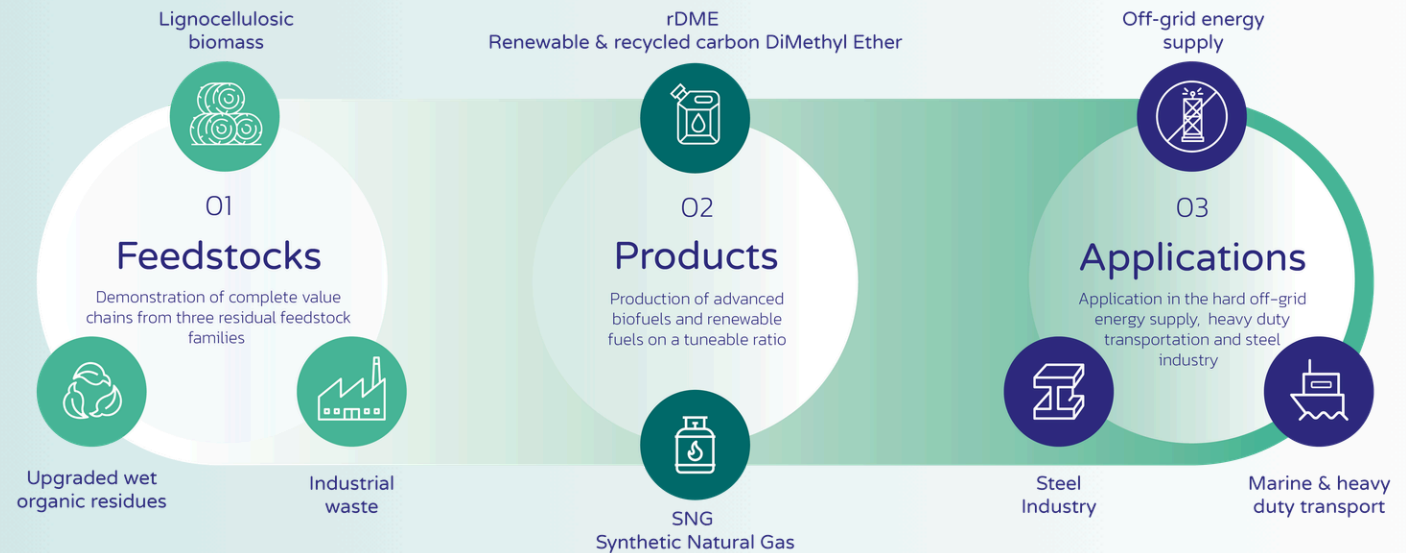


Demonstrate an innovative, efficient and flexible coproduction process

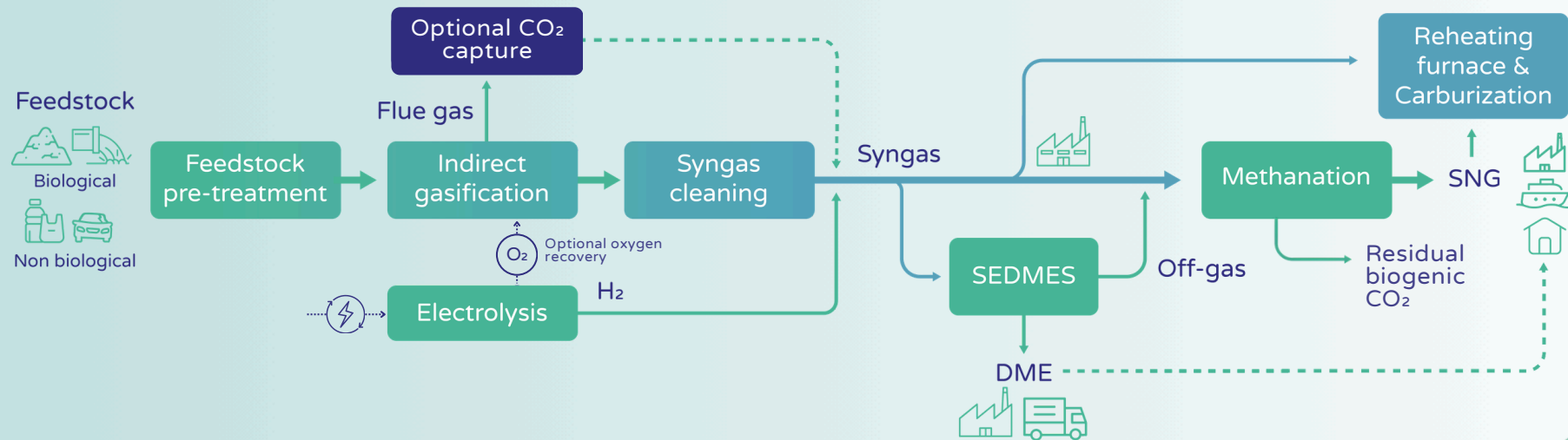


Assess sustainability, define new value chains and business cases

The value chain



The process



Results



Response to needs for renewable fuels in energy and transport



Reduction of GHG emissions along the value chain



Sustainability and security improvement of the value chains



Scale-up of advanced biofuels and renewable fuels



Comprehensive cost-effective portfolio of value chains for green fuels