

The REFOLUTION project aims to demonstrate the cost-effective production of advanced biofuels for aviation and marine sector via a process that can be implemented in existing European refineries.

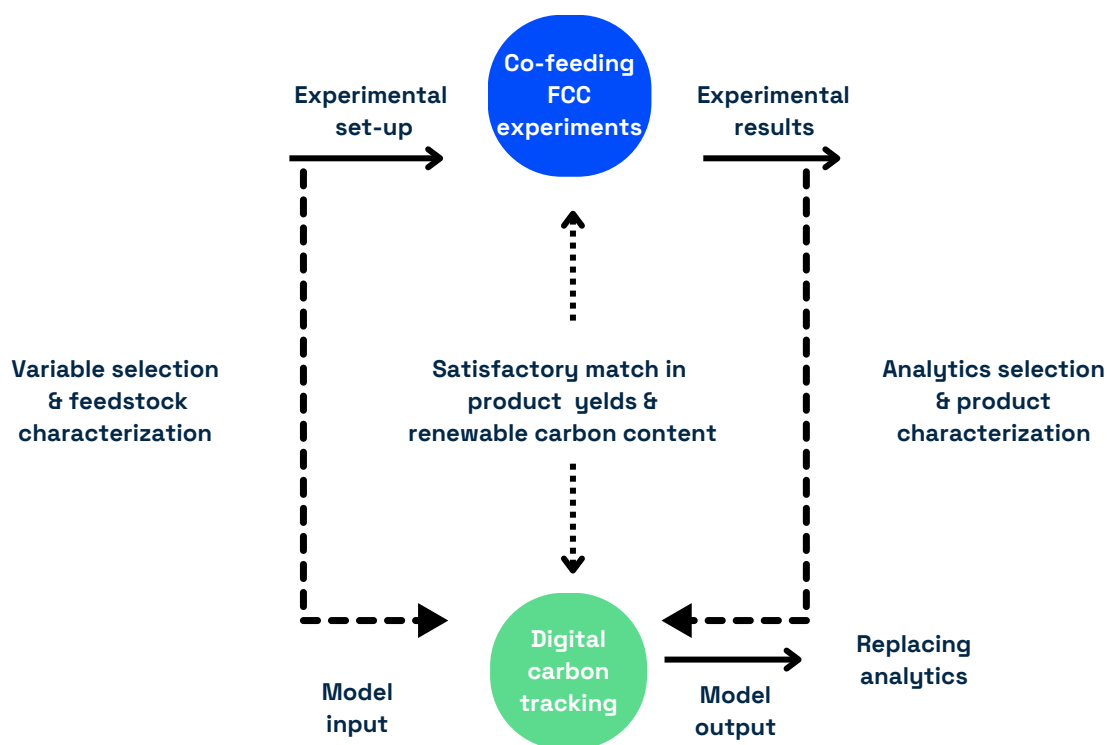
Test specifications for carbon tracking model

Objective

Develop an advanced digital carbon tracking model to optimize the integration of fast pyrolysis bio-oil (FPBO) into fluid catalytic cracking (FCC) units.

Technology

The model uses experimental data and advanced carbon tracking methodologies to monitor and predict renewable carbon behavior in the process.



Key Features



Real-time Data Integration
Combines experimental results with analytical tools for precise carbon flow tracking.



Efficiency and Sustainability
Enhances operational efficiency and resource use, improving product yields and integrating renewable feedstocks.



Cost-Effectiveness
Offers a reliable alternative to traditional, resource-intensive analytical methods.



Impact
The model simplifies processes and boosts the sustainability of FPBO utilization in FCC units.



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This factsheet is based on D5.2 Summary of test specifications of BTG Bioliquids in collaboration with SINTEF.