



ADVANCEFUEL

Barriers to market uptake of RESFuels

Project introduction and the preliminary results concerning barriers

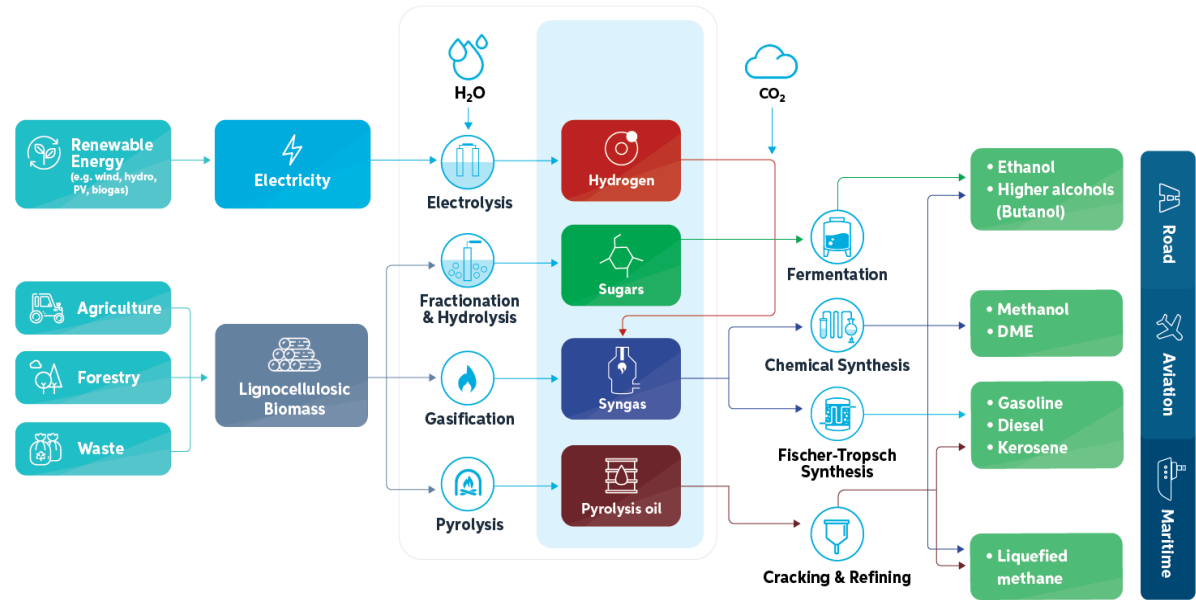
Ayla Uslu
ECN part of TNO
Brussels, 12 April 2018



ADVANCEFUEL Project Scope

ADVANCEFUEL aims at increasing the market uptake of liquid advanced biofuels and other liquid renewable fuels, jointly referred to as 'RESfuels'

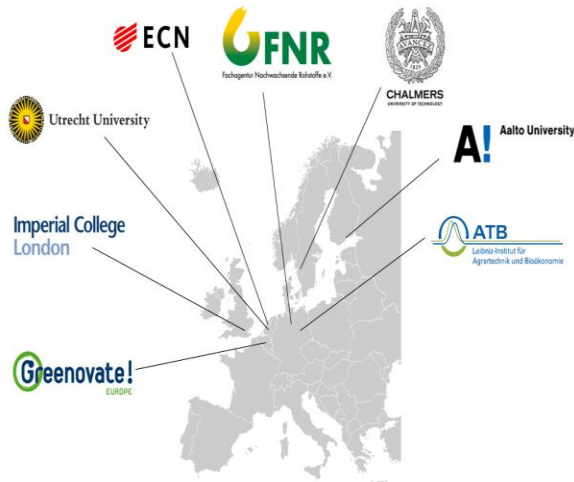
Indicative Conversion Processes for Renewable Transport Fuels



Renewable resources
ADVANCEFUEL will focus on fuels produced from renewable resources, such as residues from agriculture and forestry, sustainable woody and grassy crops, waste and renewable energy, carbon dioxide and hydrogen.

Conversion processes
ADVANCEFUEL will look at different conversion processes that are already at a high development stage and have been validated in an industrial environment.

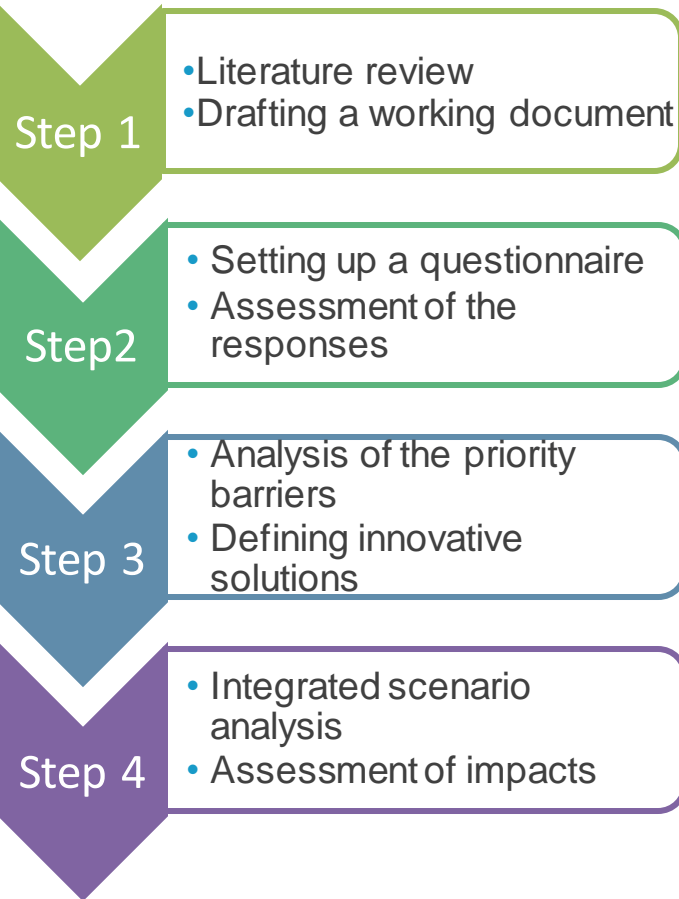
Renewable liquid fuels
Ultimately, ADVANCEFUEL aims to support uptake of both advanced biofuels and fuels produced from renewable hydrogen and CO₂ in the road, aviation and maritime transport sectors.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N.° 764799.



Identifying the main barriers



Feedstock supply

- Difficulties mobilising feedstocks from remote regions
- High costs of pre-treatment, storage and transportation
- Lack of knowledge among farmers and forest owners
- Lack of clarity regarding environmental constraints
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Conversion process

- Handling multiple resources & limited overall conversion efficiency
- Technical reliability of processes, ensuring high utilisation rates
- High capital investment requirements
- Difficulties in access to project funding
- Lack of stable long-term policy framework and dedicated support
- ...

End use

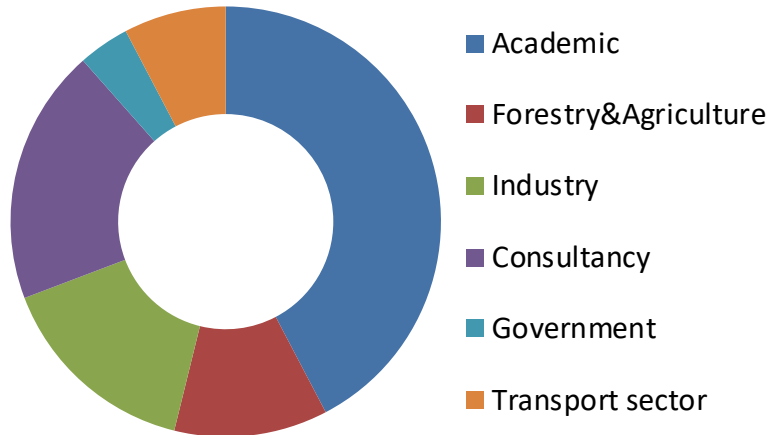
- Slow infrastructure development
- Lack of customer awareness
- Limited expertise and lack of long-term fuel test data
- No target set for aviation and maritime sectors
- ...



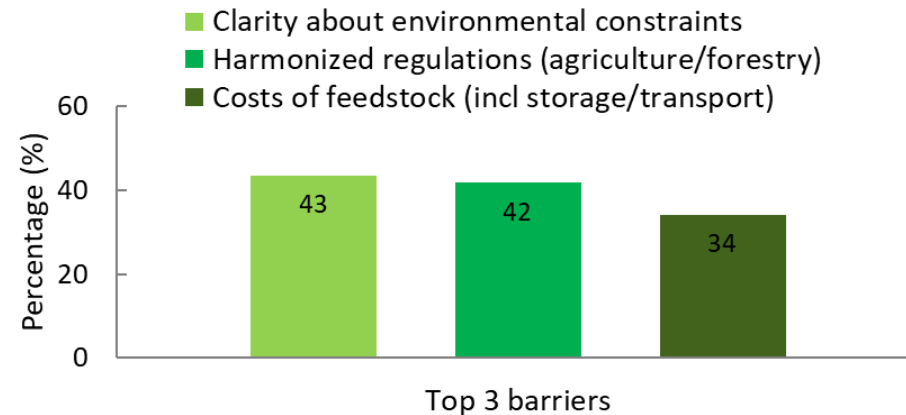


Preliminary results barrier survey

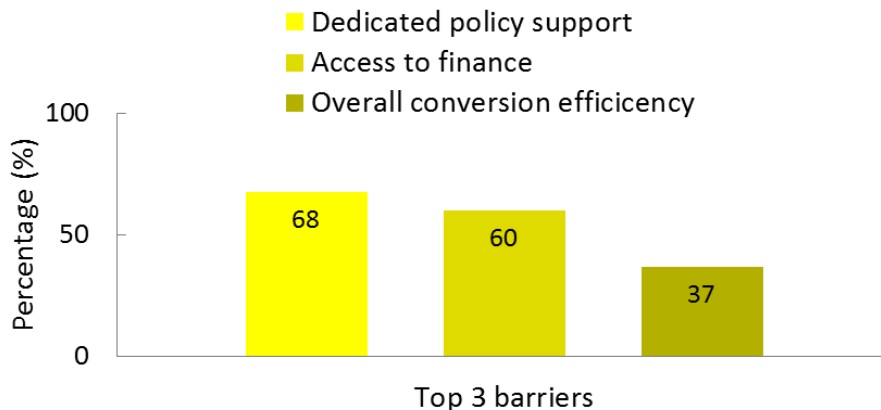
So far 26 reactions



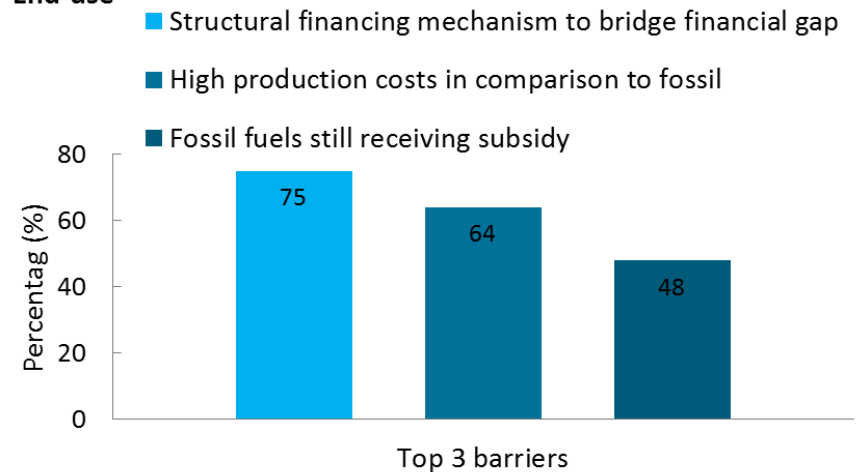
Lignocellulosic feedstock supply



Conversion technology



End-use



Thank you for your attention

Your contributions are welcomed. Please contact us to receive the questionnaire!

If you would like to find out about future consultations and events, please complete the registration form at the

ADVANCEFuel Stakeholder Platform:

<http://www.advancefuel.eu/en/stakeholders>

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