Optimising value chains and ensuring the sustainability of advanced lignocellulosic biofuels

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FNR
ADVANCEFUEL Stakeholder Workshop
Lisbon, 27 May 2019
ADVANCEFUEL PROJECT

PROJECT INFORMATION

• **8 partners** from 7 different countries
• **Duration**: 3 years (September 2017-August 2020)
• **Coordinated** by FNR, German Agency for Renewable Resources with the support of the Energy research Centre of the Netherlands (ECN part of TNO)
• **Funded** by the European Commission under the Horizon 2020 programme
Introduction

ADVANCEFUEL – Facilitating market roll-out of RESfuels in the transport sector to 2030 and beyond

**Goal**: increase the share of renewable energy in the future energy mix by increasing the share of sustainable advanced biofuels and renewable alternative fuels in the EU transport sector by:

- Defining the **main barriers to the market roll-out** (considering the whole value chain)
- Closely **investigating** the identified gaps/deficiencies/hurdles – always in close **collaboration** with the market players
- Developing **innovative strategies**, user-friendly **tools/models**
- Presenting Best Practice scenarios
- Formulating **recommendations** for market players and policy makers

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement N.º 764799.
ADVANCEFUEL project aims at increasing the market uptake of **liquid advanced biofuels** and other liquid renewable fuels, jointly referred to as ‘RESfuels’ and is considering the whole value chain.
ADVANCEFUEL
MANAGEMENT STRUCTURE

Value Chain

Feedstock production & Logistics
Biofuels production
Biofuel distribution & End use

Biomass Availability (focus on lignocellulosic feedstock supply)
Increased Performance of advanced biofuels (conversion technologies and system integration)
Biofuel Sustainability (toward sustainable biomass production, harmonised sustainability standards and certification)
End use and increased market acceptance

Engagement with market players

Action Groups

Biomass availability
Conversion process
Biofuel policy & sustainability
End use

Dissemination and exploitation of project recommendations
To build and validate their results, ADVANCEFUEL partners will engage all stakeholders from the biofuels value-chain and support actors to participate in the project through:

- Stakeholder consultations *(barriers & sustainability schemes)*
- Dedicated workshops;
- The ADVANCEFUEL Stakeholder Platform, to disseminate information and engage dialogue with targeted stakeholders.
## ADVANCEFUEL Workshops

<table>
<thead>
<tr>
<th>Topic of workshop</th>
<th>Date</th>
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<tbody>
<tr>
<td>Barriers to the market roll-out of RESfuels &amp; Availability of lignocellulosic</td>
<td>September 2018; Gothenburg</td>
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<td>biomass and its suitability for being converted into advanced biofuels</td>
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<tr>
<td>ADVANCEFUEL - SEEMLA Workshop: Innovative lignocellulosic cropping systems and</td>
<td>20/21 November 2018, Brussels</td>
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<td>supply chains</td>
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<td>Sustainability, certification, standards</td>
<td>May 2019 (at EUBCE 2019) Lisbon</td>
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<td>Conversion and technology up-scaling</td>
<td>Sept./ Oct. 2019</td>
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<td>End use and policy recommendations</td>
<td>Feb./ March 2020</td>
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Workshop on sustainability and certification of advanced biofuels – in close collaboration with ETIP Bioenergy

- Well functioning sustainability criteria are crucial for increasing/fostering market uptake of advanced biofuels

- REDII sets binding targets for the use of advanced biofuels and its sustainability – first step, but sufficient?

- Need for guidance for implementing the (newly) defined sustainability criteria their certification

- **Goal:** harmonised and mutually recognized implementation and certification approach
Workshop on sustainability and certification of advanced biofuels – Set-up

- Four presentations providing the views of a research group, two stakeholder platforms representing economic operators, a representative of an internationally recognized certification body

Panel discussion

- A short introduction of the panelists

- A short position of the panelist on biomass sustainability in the RED II

- What is needed for an effective implementation of these criteria and a successful market rollout of advanced biofuels in the EU

⇒ Discussion with participation of the audience
<table>
<thead>
<tr>
<th>Presenter</th>
<th>Title</th>
<th>Date</th>
<th>Room</th>
<th>Time</th>
<th>Session Code</th>
<th>Summary</th>
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<tbody>
<tr>
<td>Ric Hoefnagels</td>
<td><strong>Sustainably Certified Advanced Biofuels - Opportunities and Barriers in the Context of Converging Bioenergy Sectors</strong> (Poster)</td>
<td>27 May 2019</td>
<td>POSTER AREA</td>
<td>13:30 - 15:00</td>
<td>4AV.1: Sustainability assessment of bioenergy and bioeconomy</td>
<td><strong>Sustainably Certified Advanced Biofuels</strong> presentation by Ric Hoefnagels.</td>
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Thank you for your attention

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