



ADVANCEFUEL

Workshop, 27 May – EUBCE, Lisbon

Optimising value chains and ensuring the sustainability of advanced lignocellulosic biofuels with effective sustainability criteria and verification

This side-event of the EUBCE is delivered by the Horizon 2020 [ADVANCEFUEL](#) project, and the [European Technology and Innovation Platform Bioenergy](#). **It is open to all attendees of the EUBCE 2019.**

Advanced biofuels are expected to play a key role in the decarbonisation of the transportation sector in the European Union. Policy support combined with a well-functioning system of sustainability criteria is required to foster the market uptake of advanced biofuels, while also safeguarding environmental and social sustainability. The recast of the Renewable Energy Directive (RED II), together with targeted support for advanced biofuels and binding sustainability criteria for the whole bioenergy sector, is considered an important step forward. The sustainability criteria for bioenergy defined in RED II initiate changes in national legislation at the Member State level as in voluntary schemes. Policy makers, voluntary scheme owners, and third party auditors need information and guidance for implementing the defined sustainability criteria next to other provisions of the RED II. Furthermore, economic operators require information and guidance on how to provide evidence of compliance to the updated sustainability criteria. Detailed information and guidelines are particularly important for biofuel producers given the changes in feedstock uses, technologies, and deployment for the envisioned increasing advanced biofuels market. Finally, a harmonised and mutually recognised implementation and certification approach in European Member States will be most effective in safeguarding the sustainability of advanced biofuels and other bioenergy.

This workshop engages expert speakers from research, industry, policy, and certification bodies to discuss the sustainability of advanced biofuels. In details the workshop will;

- Discuss sustainability criteria in the RED II and particularly emphasise the changes affecting efficient and sustainable production and use of advanced biofuels
- Learn about the views of the European Technology and Innovation Platform (ETIP) Bioenergy representing many important market players of the sector
- Gather information from a policy and scheme owner perspective
- Discuss and validate these findings by experts and stakeholders at the workshop
- Identify major sustainability issues and options for harmonisation of sustainability criteria and certification





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15:30-15:45	Welcome and introduction of the ADVANCEFUEL project – Kristin Sternberg, FNR (ADVANCEFUEL coordinator)
15:45-16:10	Effective sustainability criteria for advanced biofuels in the context of converging biobased economy sectors – Ric Hoefnagels, University Utrecht (ADVANCEFUEL)
16:10-16:35	RED II sustainability criteria – the viewpoint of ETIP Bioenergy – Patrik Klintbom, Chair of ETIP Bioenergy
16:35-16:55	Certification of RED II sustainability criteria: preparation and perspectives of ISCC – Sascha Wüstenhöfer, ISCC
16:55-17:15	Implementation of sustainability criteria for biofuels in the Netherlands: Experience, challenges and perspectives – Loes Knotter, Dutch Platform of Sustainable Biofuels
17:15-18:00*	Panel discussion: Actions needed for harmonised sustainability requirements and verification for bioenergy – Chaired by Ric Hoefnagels – Senior expert, Utrecht University <ul style="list-style-type: none">• Philippe Marchand – Senior biofuel expert• Calliope Panoutsou – Imperial College London (ADVANCEFUEL)• Nour Amrani (TBC) - Novozyme• Loes Knotter – Dutch Platform for Sustainable Biofuels• Marko Janhunen - UPM• Patrik Klintbom – Chair of ETIP Bioenergy• Ingvar Landälv - Fuels & Energy Consulting
18:00	Closure and wrap-up of meeting – Kristin Sternberg & Ric Hoefnagels

* The panel discussion begins with some brief findings on the assessment of measuring existing sustainability criteria in various schemes as well as the challenges of implementation and certification of sustainability criteria for advanced biofuels. Then the discussion aims to receive audience opinions on a number of questions:

- What is needed in terms of guidance and information for involved stakeholders on the implementation and measurements of sustainability criteria?
- What national initiatives and voluntary schemes provide transparency mechanisms (standards, reporting, rights and duties of involved parties, communication). What could we learn from those good examples?
- Concrete actions are needed to increase efficiencies of legislative implementation, measurements, and compliance as well as reducing incurred costs. How important are the harmonised sustainability criteria and certification? What collaboration is needed among voluntary and national schemes for sustainability requirements and certification to be harmonised?

