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# ICARUS - International cooperation for sustainable aviation biofuels

# Co-creation Workshop on Best Practices and Concepts for Sustainable Aviation Fuels – 21 May 2026

## ICARUS Project

The ICARUS project is dedicated to advancing Sustainable Aviation Fuel (SAF) production by addressing critical technology limitations in three key routes: (1) Biocrude from hydrothermal liquefaction, (2) Isobutanol from lignocellulosic biomass, and (3) Synthetic Fischer-Tropsch from biomass gasification.

These three value chains have been strategically chosen by ICARUS due to their proximity to market deployment and their indispensable role in achieving European and international SAF deployment targets. ICARUS is committed to enhancing these technologies with innovative solutions while addressing the entire value chain. Furthermore, ICARUS is exploring novel biomass production concepts, such as sequential cropping and mix cropping, to ensure an increased and sustainable biomass supply for SAF production.

The ICARUS project is coordinated by Centre For Renewable Energy Sources And Saving Fondation (CRES). The ICARUS Consortium is a collaborative endeavor consisting of 14 renowned partners from 8 different countries, and 6 associated partners from 4 countries.

## Best Practices and Concepts for Sustainable Aviation Fuels

Among the core activities of the ICARUS project is the development of future best practices and concepts along the entire value chain for the three technological pathways selected in the project. Such best practices and concepts rely on results, know-how, experiences and lessons learned from two types of sources. On the one hand, this work builds on in-house intelligence developed within the project and on the other hand, on external knowledge sharing from European and international renowned key industrial stakeholders and R&I experts. Ultimately, a set of guidelines are proposed to accelerate the scaling up of the three value chains, hence contributing to cost-effective and more sustainable large-scale production of SAF.

## ICARUS Co-creation Workshop at EUBCE 2026

An ICARUS Co-creation Workshop will be organised on 21 May 2026 in The Hague on the occasion of the 34th European Biomass Conference and Exhibition (EUBCE 2026). This workshop aims to support the development of best practices and concepts across the entire value chain for three technological pathways to accelerate the scale-up of SAF production worldwide.

The workshop will be structured around three main blocks. The first block will focus on the technological dimension, starting with how innovative feedstock strategies can unlock large-scale SAF deployment and reduce reliance on limited resources. It will then present the latest conversion technology developments to overcome process limitations and accelerate commercialization, including an analysis of production costs and environmental impacts for the selected pathways.

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The second block will move beyond technology to address policy frameworks, market dynamics, and sustainability certification requirements, including financing needs and instruments essential for SAF upscaling.

Finally, the third block will feature a panel discussion and interactive co-creation session, designed to gather diverse perspectives and integrate them into the ongoing ICARUS work. This closing session offers participants a unique opportunity to contribute directly to shaping future best practices and supporting the expansion of SAF across Europe and beyond.

For further information on the ICARUS project and the Co-creation workshop, please visit:

https://www.icarus-biojet.eu

https://www.eubce.com/icarus-pe-2026/

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