



INTERNATIONAL COOPERATION FOR
SUSTAINABLE AVIATION BIOFUELS

*INNOVATIVE
SOLUTIONS FOR
THREE MAIN
SUSTAINABLE
AVIATION FUEL
(SAF) PRODUCTION
ROUTES*

www.icarus-biojet.eu



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101122303

International collaboration

ICARUS builds on a **strong international consortium** of 20 reputed partners including 5 partners from three **Mission Innovation Countries** (MIC) Canada, India and Brazil, and two partners from USA joining R&I activities as members of the External Executive Advisory Board (EEAB).

ICARUS

Aviation is one of the most difficult to defossilize transportation sectors in a global context. However, the aviation industry has set aggressive targets for reducing greenhouse gas emissions and the process to achieve these goals for international aviation is under development with the UN's International Civil Aviation Organization (ICAO).

For Europe, the ReFuelEU legislation sets strict requirements for fuel suppliers, requiring them to gradually increase their use of SAF from 2% by 2025 to 20% by 2035 and 70% by 2050 for all commercial flights across Europe.

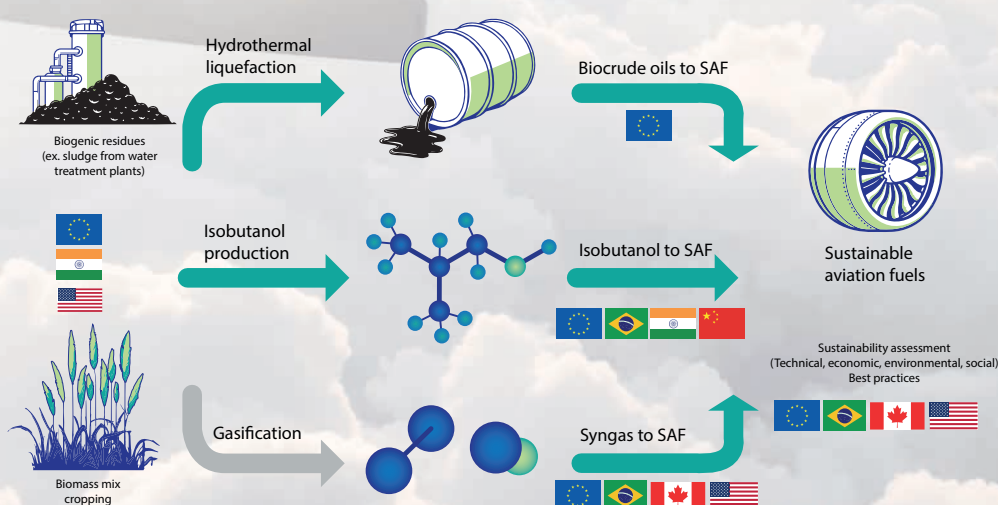
In order to comply with the targets set by ReFuelEU the demand for SAF (both sustainable biofuels and synthetic fuels) is expected to strongly increase.

Our innovative approach

The ICARUS consortium has identified critical technology barriers currently limiting the broader deployment of three pivotal SAF production routes:

- Biocrude oils to SAF
- Isobutanol to SAF
- Syngas SAF

These three value chains have been strategically chosen due to their proximity to market deployment and their indispensable role in achieving European and international SAF deployment targets.



Contact us

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Partners



Associated Partners

