



April 2024

The "ICAO Assistance, Capacity-building and Training for Sustainable Aviation Fuels (ACT-SAF) programme" Programme is supporting States to develop their full potential in SAF, through specific training activities, development of feasibility studies, and other implementation support initiatives.

For more details on ACT-SAF click [here](#)

ICAO ACT-SAF Series

The [ACT-SAF Series](#) offers training sessions held on a monthly basis. It delivers comprehensive training to ACT-SAF Partners on an array of important SAF-related topics, ranging from sustainability, to policy, economics/financing certification and logistics.

Ten ACT-SAF Trainings have been delivered to date, and are available on the [ACT-SAF Series website](#), and [ICAO.TV](#).

ACT-SAF Series – List of Training Sessions



- #1 – An introduction to SAF
- #2 – SAF Sustainability and Reporting under CORSIA
- #3 – SAF technology and certification
- #4 – SAF Policies
- #5 – SAF conversion processes
- #6 – SAF Accounting and book and claim systems
- #7 – SAF logistics
- #8 – Launch of the 2024 ACT-SAF Season
- #9 – Green Hydrogen for Aviation
- #10 – ICAO methodologies and tools for life cycle assessment

ACT-SAF Series #10

The tenth event of the ACT-SAF Series, held on 28th March 2024, focused on providing participants with knowledge on ICAO’s methodologies and tools for life cycle assessment (LCA). More than 100 ACT-SAF partners attended the training, which covered the following aspects:

- CORSIA default life cycle assessment values
- How to request new default LCA to ICAO
- The methodologies, models and databases used for CORSIA LCA calculations.
- Practical examples on the use of LCA models
- Use of LCA models for certification of SAF in CORSIA

The recording of this session and the presentation are now available on the [ACT-SAF Series website](#).

Next ACT-SAF Series

The upcoming ACT-SAF Series online training (date: TBD) will focus on “Implementing the ICAO Global Framework – step-by-step examples of SAF policy making”, with the objective to provide participants with information on the step-by-step process of making SAF policy a reality.

The training will cover the following points:

- Recap of the ICAO Global Framework, with a focus on Policy and Planning
- Process towards SAF policy development
- Practical experiences by States

Stakeholders from across the aviation sector are invited to engage, learn, and collaborate on advancing SAF initiatives, reinforcing the industry's united effort in reducing its carbon footprint and achieving sustainability targets.

If you wish to receive regular updates and information on the ACT-SAF Series, participate in the events, and ask questions to our speakers, you can join the ACT-SAF programme now. Participation is open to all States and Organizations interested in further action on SAF following the acceptance of [the ACT-SAF Terms and Condition \(click here for more details\)](#)

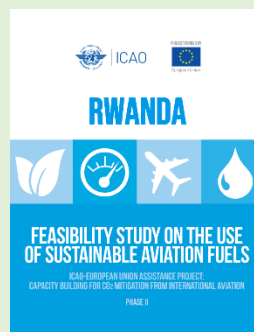
ACT-SAF Projects Feasibility Studies and Business Implementation

The ICAO ACT-SAF programme is also developing **feasibility studies** that assess the potential for production and use of socially acceptable, environmentally friendly, and economically viable SAF in ICAO Member States.

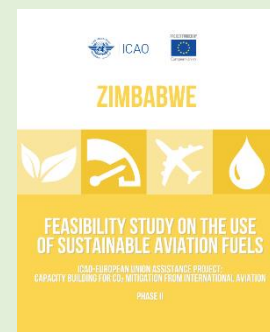
The first three feasibility studies developed under the programme were funded by the EU and delivered during the CAAF/3 Conference in November 2023.



[Feasibility Study on the use of Sustainable Aviation Fuels Cote d'Ivoire](#)



[Feasibility Study on the use of Sustainable Aviation Fuels Rwanda](#)



[Feasibility Study on the use of Sustainable Aviation Fuels Zimbabwe](#)

Template and Guide for Feasibility Studies

These Feasibility Studies were developed with the use of the **ACT-SAF template for feasibility studies** and **ACT-SAF Guide for feasibility studies**, developed in 2023 with the support of the ACT-SAF Partners. This will be updated in 2024.

Feasibility Studies Template and Guide

(click to open):



The ACT-SAF team is currently preparing a **new template to support SAF business case development**. This provides follow up support for States where a SAF feasibility study has already been successfully completed, delivering conclusive prospects for the establishment of a domestic SAF supply chain. The template will detail processes and key parameters in a business implementation report, which will facilitate final investment decisions to drive the start of a concrete SAF project. Subsequent ACT-SAF business implementation studies will be expected to adopt this template.

- Shortlist feedstock/conversion pathway of choice, provide scenario assumptions, and key input parameters (general, energy/utility, financial) as basis for a techno-economic assessment;
- Following results from techno-economic assessment, set out business case, and provide economic, operational, and risk assessments. Highlight policy implications;
- Provide business implementation recommendations

ICAO is providing support to many States with SAF feasibility studies and business implementation, thanks to the support offered by ACT-SAF Partners:

European Commission 10 SAF feasibility studies (African States and India),	France Business Implementation report and feasibility studies (3 States)	Netherlands Feasibility studies in 3 States	United Kingdom 3 SAF feasibility studies and training for States;
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Austria to be announced	Côte d'Ivoire to be announced	Airbus to be announced
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States benefiting from feasibility studies include India, South Africa, Ethiopia, Egypt, Mauritania, Cameroun, Equatorial Guinea, Senegal, Mozambique, Madagascar, Jordan and Chile and many more ACT-SAF partners that requested support are under consideration.

States interested in providing and receiving support under ACT-SAF shall contact the ICAO Office of Environment (officeenv@icao.int) for further information.

ACT-SAF Platform Updates

As of March 2024, the ACT-SAF programme reached 153 Partners (90 States and 63 Organizations); coordination is ongoing with many of these Partners to outreach their capacity-building activities and provide implementation support.

The **ACT-SAF platform** provides easy access to information on SAF feasibility studies, training/outreach, and events.

Please reach out to ICAO to have your initiative reflected in the platform! Send an email to: officeenv@icao.int



Latest initiatives captured on the ACT-SAF platform

- 1) Upcoming **events** from our partners:



IATA Aviation Energy Forum

- 28 – 30 May, Vienna, Austria
- Merger of the Fuel Forum and the SAF Symposium
- Airline representatives, fuel and SAF suppliers, and other IATA strategic partners to discuss industry’s priorities
- By invitation



Sustainable Aviation Futures Congress

- 21 - 23 May, Amsterdam, Netherlands
- 40+ hours of industry content, panels / keynotes covering SAF, sustainable aerospace technologies, eFuels, Hydrogen;

2) Recently **concluded training** by our Partners:



ECAC – Training on SAF for North Macedonia

- 20-21 Feb 2024
- Platform for exploring and identifying opportunities and next steps to foster SAF in North Macedonia



United Kingdom ACT-SAF - Introductory training and SAF policy workshops

- Tanzania - 18 to 21 March 2024
- Equatorial Guinea – 25 to 28 March 2024
- Cameroon – 8 to 11 April 2024



RSB – Train the Trainer Workshop

- March 2024, Ethiopia
- Key areas covered in SAF sustainability, technologies

ICAO SAF Tracker Tools

SAF Tracking tools (click for details)



The latest news captured by the **ICAO SAF Tracker Tool** are listed below:

Date and link

Apr 9, 2024

[Energy Absolute and Bangkok Aviation Fuel Services Embark on Eco-Friendly Aviation Fuel Venture](#)

Apr 7, 2024

[Biofuels – Repsol begins large-scale production of renewable fuels in Cartagena, the first plant of its kind in the Iberian Peninsula](#)

Apr 7, 2024

[Sinopec and TotalEnergies Ink Agreement for Sustainable Aviation Fuel Production](#)

Apr 7, 2024

[Japan Airlines Launches “JAL Corporate SAF Sustainable Aviation Fuel Program” to Certify and Contribute to Corporate Customers’ CO₂ Reduction Efforts](#)

Apr 4, 2024

[Simply Blue Group Diversifies to Develop Sustainable Aviation Fuel Projects](#)

For additional news and information, please access the full tracker [here](#).

Upcoming ICAO Event

➤ 2024 ICAO Seminar on Green Airports (April 18-19, Athens, Greece)

- This seminar is dedicated to advancing sustainable airport operations globally, focusing on the integration of sustainable aviation fuels (SAF), lower carbon aviation fuels (LCAF), and other innovative clean energy sources within airport infrastructures. Participants will explore strategies for achieving net-zero carbon emissions, learn about the latest in green airport technologies and management practices, and discuss financial mechanisms and partnerships critical for supporting environmental projects at airports.
- Event website: <https://www.icao.int/Meetings/greenairports2024/Pages/default.aspx>



Support needed

Your assistance on the following actions is needed:

- Support the development of the SAF business implementation template
 - Partners with competencies in economics, financing, or experience with similar studies
 - Draft template will be circulated for consultation
- Suggest 'latest news' on feasibility studies, training and outreach, and events to be featured in the ACT-SAF platform
- Suggest possible consultants with suitable expertise for upcoming ACT-SAF projects

Responses to officeenv@icao.int are most welcome.

International Civil Aviation Organization
999 Robert-Bourassa Boulevard, H3C 5H7, Montréal, Québec, Canada
For more information, visit the ICAO website: www.icao.int