



ICAO

ENVIRONMENT



ACT-SAF

Newsletter

May 2024

The "ICAO Assistance, Capacity-building and Training for Sustainable Aviation Fuels (ACT-SAF) 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.

Eleven ACT-SAF training sessions have been delivered to date, and are available at the [ACT-SAF Series](#) website.

#### 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
- #11 – Implementing ICAO Global Framework – Step-by-step examples of SAF policy making

#### ACT-SAF Series #11

The eleventh event of the ACT-SAF Series, held on 6 May 2024, focused on providing participants with real-life examples of step-by-step SAF policy making, and its processes. Close to 100 ACT-SAF partners attended the training, which covered the following aspects:

- ICAO Global Framework on SAF, Lower Carbon Aviation Fuels (LCAF) and other Aviation Cleaner Energies, focusing on Building Block 1 – Policy and Planning
- Presentations on SAF policy development by:
  - o Directorate General for Mobility and Transport (DG MOVE) of the European Commission;
  - o National Agency for Civil Aviation (ANAC) of Brazil; and
  - o Federal Aviation Authority (FAA) of the United States

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

## Upcoming ACT-SAF Series

The upcoming ACT-SAF Series (date: 6 June 2024) will focus on SAF in ICAO State Action Plans. It will present updates to the ICAO Guidance on the Development of States' Action Plans on CO<sub>2</sub> Emissions Reduction Activities, with a focus on SAF.

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.

The session will also include an update on the latest work regarding the **template to support SAF business case development**.

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 Conditions](#) ([click here for more details](#)).

## ICAO Global Implementation Support Symposium 2024

At the recently concluded ICAO Global Implementation Support Symposium (GISS) 2024, held in Punta Cana, Dominican Republic, from 30 April to 2 May 2024, much focus was placed on the ICAO Finvest Hub initiative, exploring innovative financing mechanisms to support aviation infrastructure development and the transition to a greener industry. Panel discussions on scaling up global collaboration and enhancing capacity for LTAG implementation and operationalizing the Finvest Hub for green skies also highlighted the key role of ACT-SAF efforts in training, feasibility studies, business implementation support, and encouraging resource mobilization. Recordings of GISS 2024 may be accessed [here](#).



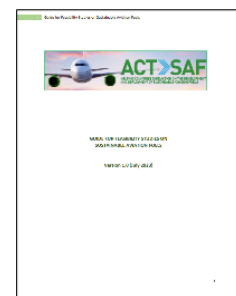
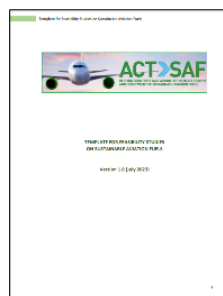
## ACT-SAF Projects

### Feasibility Studies and Business Implementation

The ICAO ACT-SAF programme is also developing **feasibility studies** that will assess the potential for production and use of SAF in ICAO Member States, aligned with sustainability criteria of CORSIA Eligible Fuels.

The [first three feasibility studies](#) developed under the programme were funded by the EU, and delivered during the CAAF/3 Conference in November 2023. These feasibility studies were developed with the use of the **ACT-SAF template and guide for feasibility studies** developed in 2023 with the support of ACT-SAF partners, which will be updated in 2024.

**Feasibility studies template and guide** (click to open):



**ICAO is currently coordinating support to many other States through SAF feasibility studies and business implementation plan development, thanks to the support offered by ACT-SAF Partners.**

On 29 April 2024, as part of the ICAO-EU ACT-SAF Assistance Project, a Kick-off Meeting was held, initiating a series of SAF

feasibility studies that will be implemented across nine African States, and India from 2024-2026.

The Meeting provided updates on the status of the project, governance, timelines, and expected results. Discussions also included project expectations and the engagement with States.

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



ICAO – EU ACT-SAF ASSISTANCE PROJECT  
KICK-OFF MEETING



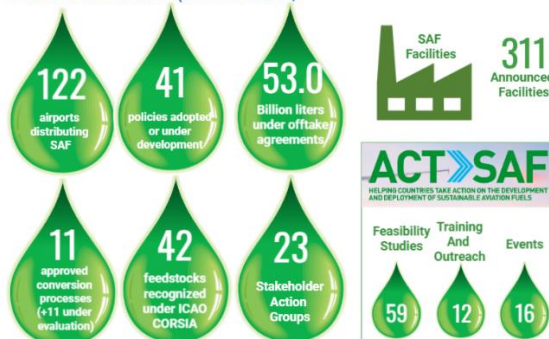
## Upcoming: ACT-SAF Business Implementation Template

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; and
- The next ACT-SAF Series (6 June 2024) will also include an update on the template development.

## ICAO SAF Tracker Tools

ICAO SAF Tracker tools (click for details)



The **ICAO SAF Tracker Tools** provide easy to access, and useful information on global SAF developments, such as SAF production facilities, airports distributing SAF, policies adopted or under development, offtake agreements and stakeholder action groups.

**Do reach out to ICAO to have your initiative reflected in the tracker. Send an email to: [officeenv@icao.int](mailto:officeenv@icao.int)**

It also features **implementation support initiatives** from ACT-SAF partners, which will further enhance outreach, and coordination of efforts across partners and stakeholders.

## Latest information captured in the Trackers and ACT-SAF Platform

Outreach/publications by ACT-SAF Partners

## World Economic Forum

### [Scaling up SAF Supply: Overcoming barriers in Europe, the US and the Middle East](#)

- Showcases critical technologies for scaling SAF and their advantages/challenges
- Analysis of future SAF volumes
- Focus on adequate regulation and policy to enable global SAF scaling



## SAF policies adopted by ACT-SAF Partners

### [UK SAF Mandate](#)

- Mandate will start in 2025 at 2% of total UK jet fuel demand, increase on a linear basis to 10% in 2030 and then to 22% in 2040
- From 2040, the obligation will remain at 22% until there is greater certainty regarding SAF supply



## Upcoming: Training development with GIZ

The ACT-SAF Team is working with GIZ to collaboratively develop training content for ACT-SAF partners, focusing on SAF developed through Power-to-Liquid (PtL) pathways, with the use of renewable energy inputs.

## Upcoming Events

A series of five **ICAO Environmental Regional Seminars** will be held in August-September 2024. Each of the **two-day, in-person event** will focus on raising awareness and exchanging views on the implementation of the long-term global aspirational goal (LTAG) and Global Framework, including recent developments on aviation cleaner energies, implementation challenges and the ACT-SAF programme, and financing for aviation cleaner energies, as well as the means for monitoring the progress for the implementation of the LTAG and Global Framework. State Letters will be sent out shortly.

The **2024 ICAO Symposium on non-CO<sub>2</sub> Aviation Emissions** (16-18 September 2024) aims at raising awareness on non-CO<sub>2</sub> emissions from aviation operations, and creating synergies across different stakeholders.

The **three-day event will be held in-person, at ICAO Headquarters, Montréal, Canada**, and will focus on taking stock of the scientific knowledge on non-CO<sub>2</sub> effects and sharing the work undertaken by all relevant stakeholders, as well as exploring future activities and measures to potentially mitigate and address these effects, considering the existing scientific uncertainties. [Registration is open!](#)



The **2024 ICAO LTAG Stocktaking on Aviation CO<sub>2</sub> Emissions Reductions** (7-10 October 2024) will be held **in-person**, at **ICAO Headquarters, Montréal, Canada**, and will build upon the continued success of the annual ICAO Stocktaking events held since 2019, providing a response to the 41st Session of the ICAO Assembly's request to monitor the progress towards the achievement of the collective LTAG for international aviation of net-zero carbon emissions by 2050, as well as the Third Conference on Aviation and Alternative Fuels (CAAF/3) request to monitor the

implementation of the ICAO Global Framework on SAF, Lower Carbon Aviation Fuels (LCAF) and other aviation cleaner energies. [Registration is open!](#)

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*For more information, visit the ICAO website: [www.icao.int](http://www.icao.int)*