



ICAO

ENVIRONMENT



ACT»SAF

Newsletter

January 2025

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, with a view to accelerate the deployment of aviation cleaner energies.

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

ICAO ACT-SAF Projects

- In addition to 7 SAF feasibility studies already concluded with the contributions provided by the European Union, 20 more SAF feasibility studies and business implementation reports are currently being developed under the ACT-SAF programme, with the contributions provided by France, the Netherlands, United Kingdom and the European Union, and a planned contribution to be provided by Airbus. Work is also ongoing to structure projects with the resources offered by Austria and Côte d'Ivoire to ACT-SAF.
- ICAO has already engaged consultants to commence the feasibility studies/business implementation reports for Chile, Ethiopia, India, Jordan, South Africa and Zimbabwe, and the projects in Kenya and Rwanda are expected to kick off in early 2025.
- The status on all these projects is detailed in a new dashboard provided in the [ICAO ACT-SAF website](#).



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.

**Upcoming ACT-SAF Series #17 –
Examples in SAF development – from Vision to Reality –
Sweden**

The upcoming ACT-SAF Series #17 (23 January 2025) will explore the Swedish experience on supporting implementation the development and production of SAF. ACT-SAF partners will be able to learn from **the Swedish Transport Agency, as well as the experience of two companies (ST1 and PREEM)**, who will provide a value chain perspective with topics such as investment decisions, business models, funding, new actor relations and value creation. In this session, barriers and drivers to producing SAF, as well as dos and don'ts, will be discussed through the actual experiences and insights of these two companies.

Sixteen ACT-SAF training sessions have been delivered to date, latest events are summarized below. The recordings of these sessions and the presentations are available at the [ACT-SAF Series website](#).

Latest ACT-SAF Series

- **ACT-SAF Series #14 Update on 100% SAF testing and recent achievements (September 2024)** - The event focused on most recent activities undertaken by aviation industrial actors regarding the technical work towards aircraft flying on 100% SAF. It dove deep into the technical work undertaken to carry out 100% SAF testing, challenges faced in the process and solutions found to date.
- **ACT-SAF Series #15 - Coprocessing and revamping: how to use existing refineries to produce SAF (November 2024)** - This event provided thorough understanding on the co-processing SAF pathway. It explained the technical process to produce SAF via co-processing, the benefits and challenges associated with the pathway, and the CORSIA sustainability certification of co-processed SAF. It also covered the concept of revamping conventional refineries into SAF production facilities.
- **ACT-SAF Series #16 - Aviation and Green Taxonomy (December 2024)**- The event delved into the intersection of aviation and sustainable finance, exploring how green taxonomy can drive environmentally responsible practices within the aviation industry.

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 to join ACT-SAF](#)

ACT-SAF now reaches 216 partners



ACT-SAF participation has now reached 216 partners, comprising 98 States and 118 Organizations, increasing its role in providing support for States to develop their full potential in SAF development and deployment.

Coordination is ongoing with ACT-SAF Partners aiming to identify potential assistance needs and projects. Beyond the ACT-SAF feasibility studies and business implementation reports, other types of support are also being provided as follows:

- support provided to Côte d’Ivoire regarding the inclusion of SAF on a national bioenergy code,
- ACT-SAF workshop delivered in Mexico, in coordination with the North American, Central American and Caribbean (NACC) Regional Office.

ICAO Cleaner Energy Tracker Tools

ICAO Cleaner Energy Tracker tools [\(click for details\)](#)

ICAO adopted a Vision to reduce CO₂ emissions in international aviation by **5 per cent by 2030 through the use of SAF, LCAF and other aviation cleaner energies.**

This requires **23 million tonnes (Mt)** of cleaner energies use in international aviation on 2030 *(according to the LTAG report data).*

This aviation cleaner energy trackers monitors progress under the ICAO Global Framework on its four building blocks

(Click on each number to open the full Tracker)



The **ICAO Cleaner Energy Tracker Tools** have recently been revamped, enabling the monitoring of progress under the ICAO Global Framework on its four Building Blocks.

They provide easy to access, and useful information on global SAF developments, sorted into the Building Blocks comprising:

- policy and planning
- regulatory framework
- implementation support
- financing.

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

Reach out to ICAO to have your initiative reflected in the tracker. Send an email to: officeenv@icao.int

SAF events

- The [SAF events tracker](#) is being constantly updated with various events being hosted by ACT-SAF partners and aviation stakeholders to discuss global challenges and solutions for further developing SAF.
- As of January/2025, **36 events have been identified for 2025**. The [tracker](#) provides a list of such events, together with links for further information regarding participation.



Latest information captured in the ICAO Cleaner Energy Tracker Tools

ACT-SAF EU-Africa India Project (Part II)

- With close coordination with the European Union Aviation Safety Agency (EASA) in other EU funded ACT-SAF projects, a regional workshop on SAF direct supply lines was held from 30 September to 2 October 2024 in Mombasa, Kenya
- Ongoing discussions are underway on additional support



Launch of Asia Sustainable Aviation Fuel Association (ASAFA)

- [ASAFA](#) was officially launched on 7 November 2024, with the goal of accelerating the adoption of SAF across Asia. ASAFA aims to enhance market frameworks, and boost public awareness of SAF in key regions of Asia. It also aims to build a collaborative ecosystem addressing SAF value chain's core challenges



Airbus supporting Philippines in SAF feasibility study

- [Phillippines and Airbus have entered into a partnership](#) to explore the feasibility of producing SAF in the country. The study will be based on ICAO ACT-SAF templates, and will include the analysis of macroeconomic data in Philippines, evaluation of SAF feedstocks/production pathways, as well as assess relevant implementation support, financing, and recommendations on an action plan, and supporting policies needed.

U.S. National Renewable Energy Laboratory releases SAF Blending and Logistics Report

- The U.S. National Renewable Energy Laboratory, supported by the Department of Energy Bioenergy Technologies Office, has released a [SAF Blending and Logistics Report](#)
- It is an update to the 2021 Report – [U.S. Airport Infrastructure and SAF](#)
- With increasing volumes of domestic and imported SAF, report provides recommendations on logistics and blending, taking into consideration source of SAF, purchaser, end user, logistics, infrastructure availability, and cost factors.

SAF policies coming into force in 2025

- [UK's SAF mandate](#) officially came into force in January 2025, requiring SAF to make up at least 2% of all jet fuel in flights taking off from the UK from 2025, growing year-on-year to 10% by 2030, and 22% by 2040.
- [ReFuelEU Aviation](#) Regulation 2023/2405 imposes obligations on aviation fuel suppliers, aircraft operators and managing bodies from EU airports:
 - Aviation fuel suppliers to supply increasing minimum share of SAF at EU airports, starting from 2% in 2025, up to 70% by 2050 – including a dedicated minimum share for synthetic aviation fuels
 - Aircraft operators to uplift at least 90% of aviation fuel needed to operate their flights from EU airports
 - EU airports managing bodies to facilitate access to SAF.

New SAF policies

- [Brazil's "Combustível do Futuro" bill](#) was adopted in October 2024. The bill establishes the national sustainable aviation fuel program (ProBioQAV) to encourage the production and use of SAF, obliging airline operators to reduce carbon dioxide emissions by 1% from 2027, reaching a 10% reduction by 2037. This reduction should be achieved by increasing the mixture of SAF with fossil aviation kerosene.

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For more information, visit the ICAO website: www.icao.int