



ICAO

ENVIRONMENT



ACT-SAF

Newsletter

June 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.

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

#### ACT-SAF Series #12

The twelfth event of the ACT-SAF Series, held on 6 June 2024, focused on providing participants with presentations of ICAO State Action Plans and the inclusion of SAF, which covered the following aspects:



- Latest developments on ACT-SAF
- ICAO presentation on State Action Plans, including updates to ICAO Doc. 9988
- Presentations on the incorporation of SAF into State Action Plans by:
  - o Civil Aviation Authority of Singapore;
  - o Climate Change Management Department, Zimbabwe;
  - o Autorité Nationale de l'Aviation Civile, Côte d'Ivoire; and
  - o Civil Aviation Bureau – Ministry of Land, Infrastructure, Transport and Tourism, Japan.

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: 3 July 2024) will focus on SAF business implementation (BI) studies, and on techno-economic assessment methodologies that will support the development of such studies. In particular, ICAO will present the BI template, having received comments and inputs from ACT-SAF partners across the past few months.

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

## 2024 ICAO Regional Seminars on Environment

The 41st Session of the ICAO Assembly in 2022 adopted the collective long-term global aspirational goal (LTAG) for international aviation of net-zero carbon emissions by 2050, and the Third Conference on Aviation and Alternative Fuels (CAAF/3) in 2023 adopted the ICAO Global Framework on Sustainable Aviation Fuels (SAF), Lower Carbon Aviation Fuels (LCAF) and other aviation cleaner energies.

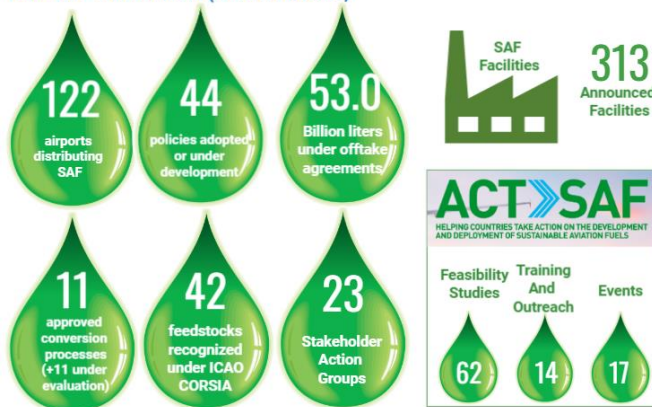
In this regard, ICAO is organizing five [Environmental Regional Seminars](#) across various ICAO regions from August-September 2024 with the objectives of raising awareness and exchanging views on the implementation of the LTAG and Global Framework, including recent developments on aviation cleaner energy policies and State Action Plans, CORSIA as the basis for the eligibility of 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 have been sent out.

Dates	ICAO Regions	City, Country
7 – 8 August 2024	Asia and Pacific (APAC)	Bangkok, Thailand
12 -13 August 2024	Middle East (MID)	Cairo, Egypt
20 – 21 August 2024	North American, Central American and Caribbean (NACC); South American (SAM)	Asunción, Paraguay
27 – 28 August 2024	Eastern and Southern African (ESAF), Western and Central African (WACAF)	Dakar, Senegal
10 – 12 September 2024	European and North Atlantic (EUR/NAT)	Samarkand, Republic of Uzbekistan



## 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.

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

Announcement of a SAF production unit in Côte d'Ivoire

- [Shared during ACT-SAF Series #12](#) - Plans for installation of a bioethanol and SAF production unit in Tiebissou (277km from Abidjan) using Cassava as feedstock
  - Estimated start of SAF production by April 2027 (63 million litres/year)
  - Identified additional actions to be taken - optimization of feedstock collection processes, establish adequate regulatory framework, skills development and secure funding

#### Recently concluded events offered by ICAO ACT-SAF partners

- [RSB SAF-now webinars](#)
  - Provides value-added information and insight to leverage SAF opportunity and support decarbonization goals
  - SAF: The future in flights
  - Raw materials: The building blocks of SAF
  - Power-to-X: A new pathway for SAF
  - Book & Claim: unlocking SAF supply today



#### Upcoming training offered by ICAO ACT-SAF partners

- [ISCC CORSIA Training](#)
  - Provides training focused towards Certification Bodies and its auditors, and open to all interested parties:
  - Regulatory framework for CORSIA Eligible Fuels
  - Comprehensive information on ISCC CORSIA certification systems



#### Technical developments led by ICAO ACT-SAF partners

[Airbus, Boeing, Rolls-Royce and Safran leading industry work group](#) to assess impacts of 100% SAF on airplane systems

- Collaboration across leading aerospace companies in Work Group under the International Aerospace Environmental Group (IAEG) to evaluate technical issues regarding compatibility of 100% SAF with airplane systems
  - To coordinate 100% SAF testing efforts for voluntary and unilateral consideration and use by its members
  - Test results to help Work Group inform ASTM International as it develops specifications for 100% SAF

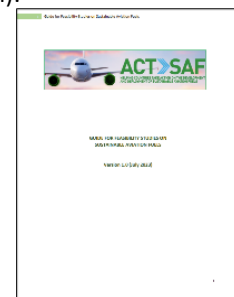
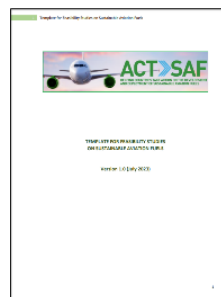
## ACT-SAF Projects

### 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.**

A number of SAF feasibility studies and business implementation plan development will be carried out in 2024 to 2026, utilising the monetary contributions to the environment Voluntary Fund, as follows:

- European Union – 10 SAF feasibility studies / business implementation support for African States and India
- France – 3 SAF feasibility studies / business implementation support, focused on African States
- Netherlands – 3 SAF feasibility studies, for States in various regions
- United Kingdom – 3 SAF feasibility studies / business implementation support, focused on African States

ICAO targets the implementation of SAF feasibility studies and the development of business implementation plans in 20 States by 2025, and 50 States by 2028. States interested in receiving support, and States, organizations and companies, wishing to provide financial support, to ACT-SAF may contact the ICAO Office of Environment ([officeenv@icao.int](mailto:officeenv@icao.int)) for further information.

## Other Events

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)