



ICAO

ENVIRONMENT



ACT-SAF

Newsletter

March 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.

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



### 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

### ACT-SAF Series #9

The ninth event of the ACT-SAF Series, held on 29th February 2024, focused on Green Hydrogen for aviation. More than 150 ACT-SAF partners attended the training, which covered various aspects related to green hydrogen and aviation, such as:

- technologies for green hydrogen production
- green hydrogen utilization in SAF production processes
- related case studies and feasibility studies
- policy frameworks
- global collaboration for a green hydrogen ecosystem development
- specific national strategies on SAF and green hydrogen

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 will be held on 28<sup>th</sup> March (8:00 to 10:00 AM EDT), and will focus on “ICAO methodologies and tools for life cycle assessment”, with the objective to provide participants with information on the tools being used at ICAO for determining the lifecycle emissions of SAF.

The training will cover the following points:

- The process to request new CORSIA LCA values, and the internal ICAO process to approve those.
- The methodologies, models and databases being used for CORSIA LCA calculations.
- Practical experiences on the use of the LCA models

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.

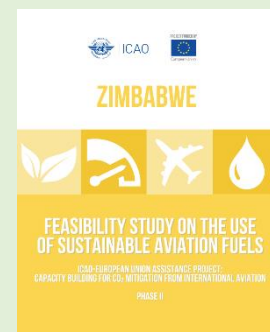
The first three feasibility studies developed under the programme were funded by the EU and delivered during the CAAF/3 Conference in November 2023



[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.

### Feasibility Studies Template and Guide

(click to open):



- The ACT-SAF team is currently preparing a **new template/guide to support SAF business case development**:
  - Detail key parameters in a SAF business case study;
  - Highlight approaches/assessments that may validate financial viability of a SAF project (techno-economic assessments, sensitivity analysis);
  - Explore impact on policy (grant, loans, subsidies, etc.);
- **ICAO is providing support to many States with SAF feasibility studies and business implementation, thanks to the support offered by ACT-SAF Partners:**

<b>European Commission</b> 10 SAF feasibility studies (African States and India),	<b>France</b> Business Implementation report and feasibility studies (3 States)	<b>Netherlands</b> Feasibility studies in 3 States	<b>United Kingdom</b> 3 SAF feasibility studies and training for States;
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<b>Austria</b> to be announced	<b>Côte d'Ivoire</b> to be announced	<b>Airbus</b> 3 Feasibility Studies (South America)
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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 ACTSAF partners that requested support are under consideration.

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

## ACT-SAF Platform Updates

As of March 2024, the ACT-SAF programme reached 150 Partners (90 States and 60 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](mailto:officeenv@icao.int)**



**ICAO ACT-SAF platform of implementation support initiatives**

Many ACT-SAF partners and aviation stakeholders are supporting implementation of cleaner energies for aviation, including Sustainable Aviation Fuels. The dashboards below provides a summary of these initiatives (click on the drops for details)



**53**  
Feasibility Studies



**8**  
Training and outreach



**15**  
events

### Latest initiatives captured on the ACT-SAF platform

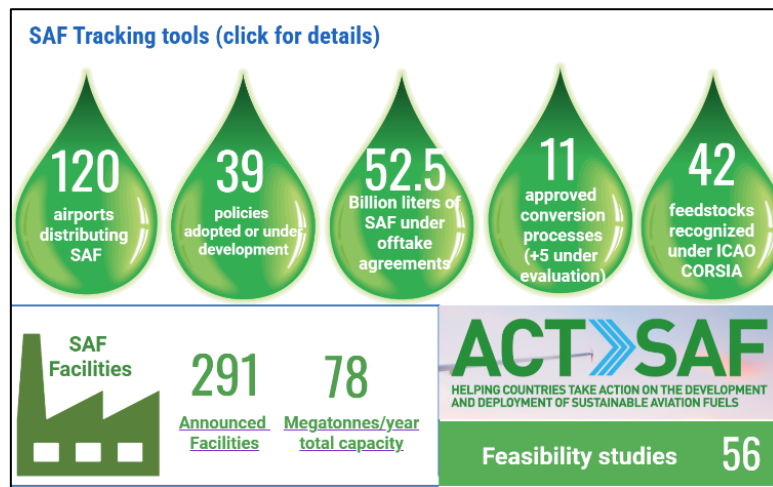
- 1) Recently concluded [SAF feasibility studies](#) from our partners:

<p><b>SAF Study for Colombia (ISCC/World Bank)</b></p>  <p>Project Presentation – Life Cycle Assessment of the Production of Sustainable Aviation Fuels (SAF) and Renewable Diesel (RD) from Oil Palm and its Crop Residues in Colombia</p>	<p><b>SAF feasibility study for Ireland (SFI)</b></p>  <p>IRELAND'S SUSTAINABLE AVIATION FUEL OPPORTUNITY</p>	<p><b>SAF roadmap for Australia (Boeing/CSIRO)</b></p>  <p>Boeing &amp; CSIRO Sustainable Aviation Fuel (SAF) Roadmap</p> <ul style="list-style-type: none"> <li>Offers the largest near-term potential for reduced aviation emissions</li> <li>Reduces up to 85% CO<sub>2</sub> emissions compared to fossil fuel</li> <li>2.5% Global emissions are produced by aviation industry</li> <li>Increased energy security, more regional jobs and new export markets</li> <li>Produced from renewable sources</li> <li>70% Global emissions are produced by long-haul flights</li> <li>75% Increase in demand for jet fuel by 2050</li> </ul>
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2) Recently **concluded and upcoming events** by ACT-SAF Partners:

 <ul style="list-style-type: none"> <li>➤ 27-28 Feb 2024</li> <li>➤ Presentations, interactive panel discussions, Q&amp;A, fireside chats, networking</li> <li>➤ Panels covering: SAF production/ demand, Book &amp; Claim, Removing price uncertainties, E-fuels, Finding early stage investors, Project finance</li> <li>➤ Website: <a href="https://www.safinvestor.com/">https://www.safinvestor.com/</a></li> </ul>	<p><b>United Kingdom Introductory training and SAF policy workshops</b></p> <ul style="list-style-type: none"> <li>➤ Tanzania - 18 to 21 March 2024</li> <li>➤ Equatorial Guinea – 25 to 28 March 2024</li> <li>➤ Cameroon – 8 to 11 April 2024</li> </ul>	 <ul style="list-style-type: none"> <li>➤ 21-23 May 2024, Amsterdam;</li> <li>➤ 40+ hours of industry content, panels / keynotes covering SAF, sustainable aerospace technologies, eFuels, Hydrogen;</li> <li>➤ Concurrent streams across Conference days to maximize content coverage;</li> <li>➤ MENA (12–14 February 2024, Dubai), North America (2 - 4 October 2024, Houston), APAC (4-6 November 2024, Singapore).</li> <li>➤ Website: <a href="https://www.sustainableaviationfutures.com/">https://www.sustainableaviationfutures.com/</a></li> </ul>
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**ICAO SAF Tracker Tools**



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

Date ▼	Link
Mar 8, 2024	

[Japanese firm Toyo plans sustainable aviation fuel production in Vietnam](#)

Mar 5, 2024

[Aemetis Receives Authority To Construct Air Permits For Riverbank SAF Plant](#)

Mar 5, 2024

[Brazil's ethanol producer, FS, first in world to receive certification for SAF production](#)

Mar 4, 2024

[Neste Launches Solution For Businesses To Reduce Their Aviation Emissions With SAF](#)

Feb 28, 2024

[JAL initiates collection of household used cooking oil for utilization as SAF feedstock](#)

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

## Upcoming 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>



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