



| ICAO

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# ICAO WORK ON SUSTAINABLE AVIATION FUELS (SAF)

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**2022 CAAFI® Biennial General Meeting**  
**June 1-3, 2022**





## ICAO is facilitating SAF development and deployment by:

- 1) Developing globally-accepted **Standards**
- 2) Outreaching **information**
- 3) Establishing **Policies and goals**
- 4) Supporting **Capacity-building** in ICAO Member States





# CORSIA and SAF

**First Global approaches for an industry sector  
Sustainability and Life cycle assessment**

**The Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) includes global Standards for SAF**



CORSIA Eligibility Framework and Requirements for Sustainability Certification Schemes	CORSIA Approved Sustainability Certification Schemes*	CORSIA Sustainability Criteria for CORSIA Eligible Fuels	CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels**	CORSIA Methodology for Calculating Actual Life Cycle Emissions Values

For all the details  
<https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Eligible-Fuels.aspx>  
(or search – “CORSIA eligible fuels”)

## SAF tracking tools



### Latest news (click for details)

Date	Link
May 26, 2022	<a href="#">Repsol, Aramco develop e-fuels plant in Spain</a>
May 25, 2022	<a href="#">Jet Aviation offers SAF at Singapore FBO</a>
May 25, 2022	<a href="#">Embraer Eyes Expansion, Acceptance of SAF</a>
May 25, 2022	<a href="#">Alaska Airlines secures seven-year SAF offtake</a>
May 25, 2022	<a href="#">International consortium to advance decarbonisation of the aviation sector</a>
May 25, 2022	<a href="#">Cebu Pacific incorporates SAF into its operations</a>

- Updated daily
- Latest news – maintained since 2009
- Transparent – all data available for consultation
- **New tool – SAF production facilities map**

**ICAO SAF facilities map**

This map provides information on facilities (existing and announced) that could produce Sustainable Aviation Fuels. Note: capacity numbers refer to total capacity, including SAF and other renewable fuels. contact officeenv@icao.int to suggest the inclusion of information

Map | Satellite

COMPANY: Diamond Green  
COUNTRY: USA  
ENTRY TO SERVICE: 2021  
FEEDSTOCK: animal fat, used cooking oil, ...  
ASTM: HEFA-SPK  
CAPACITY - ML: 2555.2  
LATEST LINK: https://www.oqi.com/refin...

LAST UPDATE: Oct 5, 2022

Capacity (ML/year): 0.0 - 9.8K  
In Service?: No Yes

<https://www.icao.int/environmental-protection/pages/SAF.aspx>  
(or search it “Sustainable Aviation Fuels”)



## *ICAO is working to define quantified goals for SAF*

2050 ICAO Vision for Sustainable Aviation Fuels	ICAO work on a long term global aspirational goal for international aviation (LTAG)
Calls for a <b>significant proportion of SAF use by 2050</b> , and a <b>level-playing field with other sectors</b>	combined scenarios of <b>technology, operations, and fuels</b> , in terms of timing, readiness, attainability and CO <sub>2</sub> reductions.
A <b>quantified long-term goal for SAF</b> to be defined in CAAF/3 (by 2025)	Results to be presented to the next ICAO Assembly (September - 2022).

Ongoing **Stocktaking process** to support the definition of these goals



- **The LTAG Report** provides technical support in exploring the feasibility of a LTAG.
- Developed by the ICAO Committee on Aviation Environmental Protection (CAEP), it consolidates efforts of over 280 experts over nearly 2 years of intensive work.

**The LTAG report is now available at the LTAG Website.**

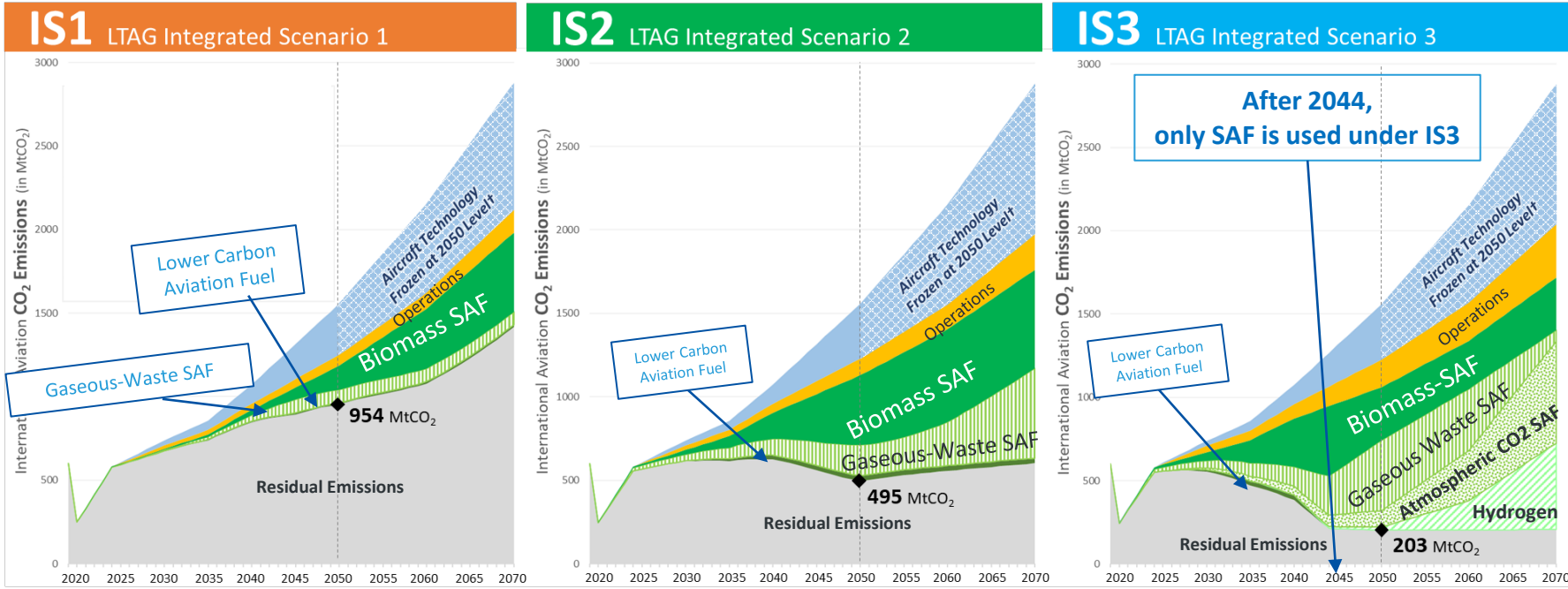
<https://www.icao.int/environmental-protection/Pages/LTAG.aspx>

[\(or search “ICAO LTAG”\)](#)





## Largest CO2 reductions by 2050 coming from fuels



Results to be considered at the next ICAO General Assembly (September 2022)

## ICAO is facilitating capacity building with several initiatives

**Feasibility studies** (Burkina Faso, Kenya, Dominican Republic, Trinidad and Tobago)



**ICAO SAF Guide –**  
General information on  
SAF production,  
constraints, and benefits



**ICAO State Action Plans –** support States to  
include SAF their Action Plans







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# New Capacity building programme ICAO ACT-SAF

## ICAO Assistance, Capacity-building and Training for Sustainable Aviation Fuels



Launched on 1 June 2022, in an event  
Associated to the Stockholm+50  
Conference

<https://www.icao.int/environmental-protection/Pages/act-saf.aspx>





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## What is ICAO ACT-SAF?

- An ICAO initiative to facilitate the development and deployment of SAF
- Tailored support for States
- Facilitate cooperation under ICAO coordination
- A Platform to facilitate knowledge sharing and progress monitoring

## Why ICAO ACT-SAF programme?

- Builds on existing ICAO “ACT” experience, through partnerships and cooperation amongst States
- ICAO LTAG report foresees largest CO2 reductions coming from fuels/cleaner energy sources
- Need for immediate action to fully realize SAF potentials





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- **All 193 ICAO Member States were invited to join ICAO ACT-SAF**
- **Next Steps: Scope the needs of States and potential contributions from stakeholders**
  - Identify, match, and set up specific SAF implementation projects
  - Establish the ACT-SAF platform
  - Monitor progress



Contact us to join the ACT-SAF Initiative ([officeenv@icao.int](mailto:officeenv@icao.int))



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