

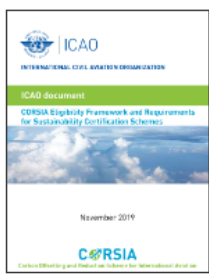
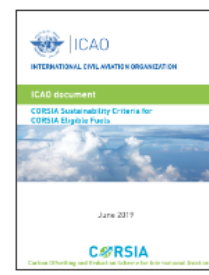
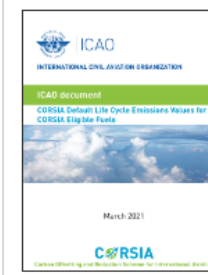
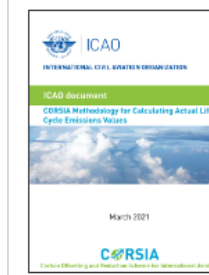


Dr. Bruno Silva
SAF and LTAG Officer,
ICAO Environment

CORSIA Eligible Fuels (CEF)

Certification, Accounting and Reporting

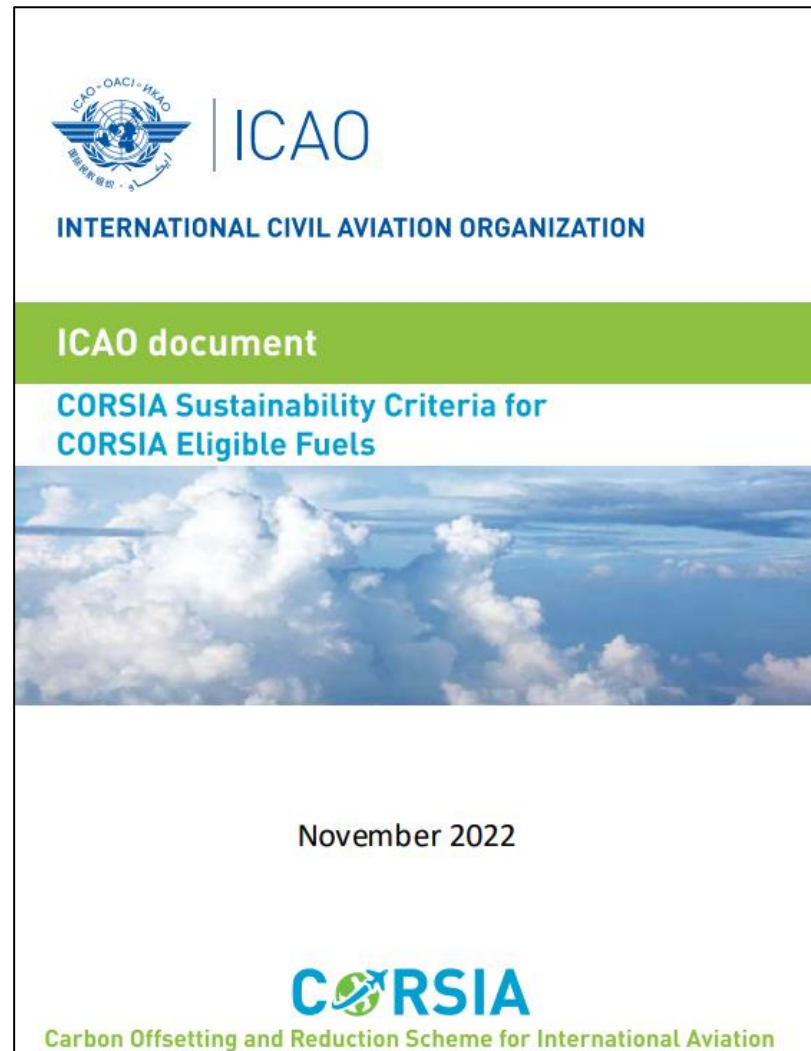
- An aeroplane operator can reduce its CORSIA offsetting requirements by using CEFs
- For that, CORSIA includes a **detailed Monitoring, Reporting, and Verification (MRV)** system for CORSIA eligible fuels claims
- The CORSIA MRV system requires:
 - 1. Sustainability certification** of the CORSIA eligible fuel producer, performed by a CORSIA-approved Sustainability Certification Scheme.
 - 2. Reporting** of CEF-Related information
 - 3. Verification** of the information by an accredited third-party verifier

				
CORSIA Eligibility Framework and Requirements for Sustainability Certification Schemes Second Edition, June 2022	CORSIA Approved Sustainability Certification Schemes* First Edition, November 2020	CORSIA Sustainability Criteria for CORSIA Eligible Fuels** Third Edition, November 2022	CORSIA Default Life Cycle Emissions Values for CORSIA Eligible Fuels*** Fourth Edition, June 2022	CORSIA Methodology for Calculating Actual Life Cycle Emissions Values Third Edition, June 2022

<https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-Eligible-Fuels.aspx>

Sustainability Certification of CEF

CORSIA Eligible Fuels shall meet the Sustainability Criteria defined in the ICAO document “CORSIA Sustainability Criteria for CORSIA Eligible Fuels” (Annex 16, Vol. IV, 2.2.4.1)



Sustainability Themes
1. Greenhouse Gases (GHG)
2. Carbon stock
3. GHG emission reduction permanence
4. Water
5. Soil
6. Air
7. Conservation
8. Waste and Chemicals
9. Seismic and Vibrational Impacts (Only for LCAF)
10. Human and labour rights
11. Land use rights and land use
12. Water use rights
13. Local and social development
14. Food security

Carbon-reduction themes
(applicable during CORSIA pilot phase, 2021-2023)

LATEST UPDATES (NOVEMBER 2022)
Environmental and socio-economic Themes, and GHG permanence
(Applicable after CORSIA pilot phase, from 2024, in addition to Carbon-reduction themes)



Standards implementation

First certifications of CORSIA eligible fuels performed in 2022

<https://www.icao.int/Newsroom/Pages/First-sustainable-aviation-fuel-batches-certified-under-CORSIA.aspx>

First sustainable aviation fuel batches certified under CORSIA



Montréal, 14 June 2023 – For the first time, sustainable aviation fuels (SAF) have been certified under the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).

Making use of the two ICAO-approved Sustainability Certification Schemes designed for this purpose, the development marks a significant milestone for both SAF production and aviation climate action by States.

The nine batches, totalling 1,542 tonnes, were certified by ISCC and RSB and produced in China, the Netherlands, and the United States, by ECOCHEM, Neste, and WorldEnergy, respectively.

CEF Batches produced by three fuel producers in three States

EcoCeres

Produced in
China

NESTE

Produced in the
Netherlands

worldenergy

Produced in the
United States

Certification performed by the two CORSIA approved SCSs (ISCC and RSB)



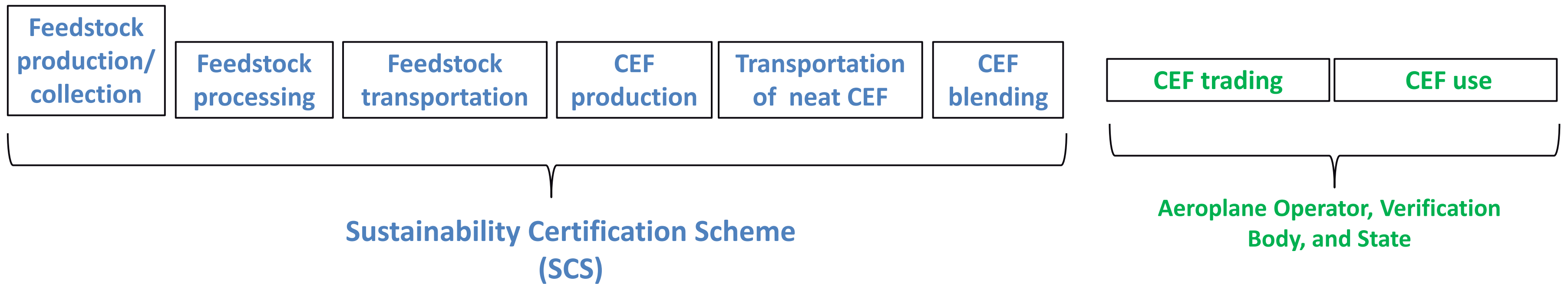
CORSIA framework is ready to be used for SAF certification and accounting

Open invitation for SCSs to apply for ICAO approval, including SCSs for LCAF certification

<https://www.icao.int/environmental-protection/CORSIA/Pages/CORSIA-SCS-evaluation.aspx>

CORSIA MRV Responsibilities

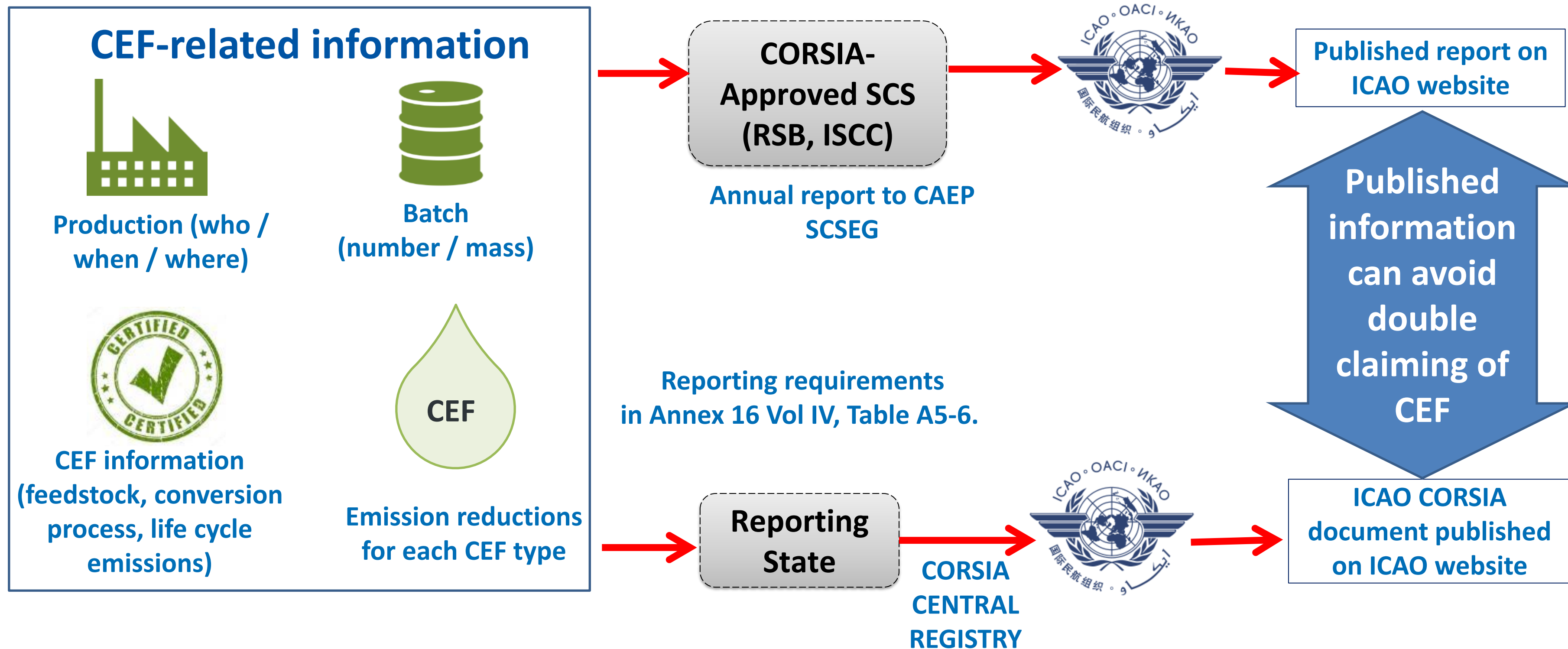
- The CORSIA MRV responsibilities include SCSs, Aeroplane Operators, Verification Bodies, and States



- Up to SAF blending, CORSIA uses a Mass Balance chain of custody of environmental attributes
- After the SAF is blended, CORSIA MRV already includes **some elements** of a book and claim chain of custody
 - Claims of emissions reductions are based on purchasing and blending records.
 - CORSIA MRV includes detailed methodologies, registry (CORSIA Central Registry), and verification aspects.

State and SCSs reporting to ICAO

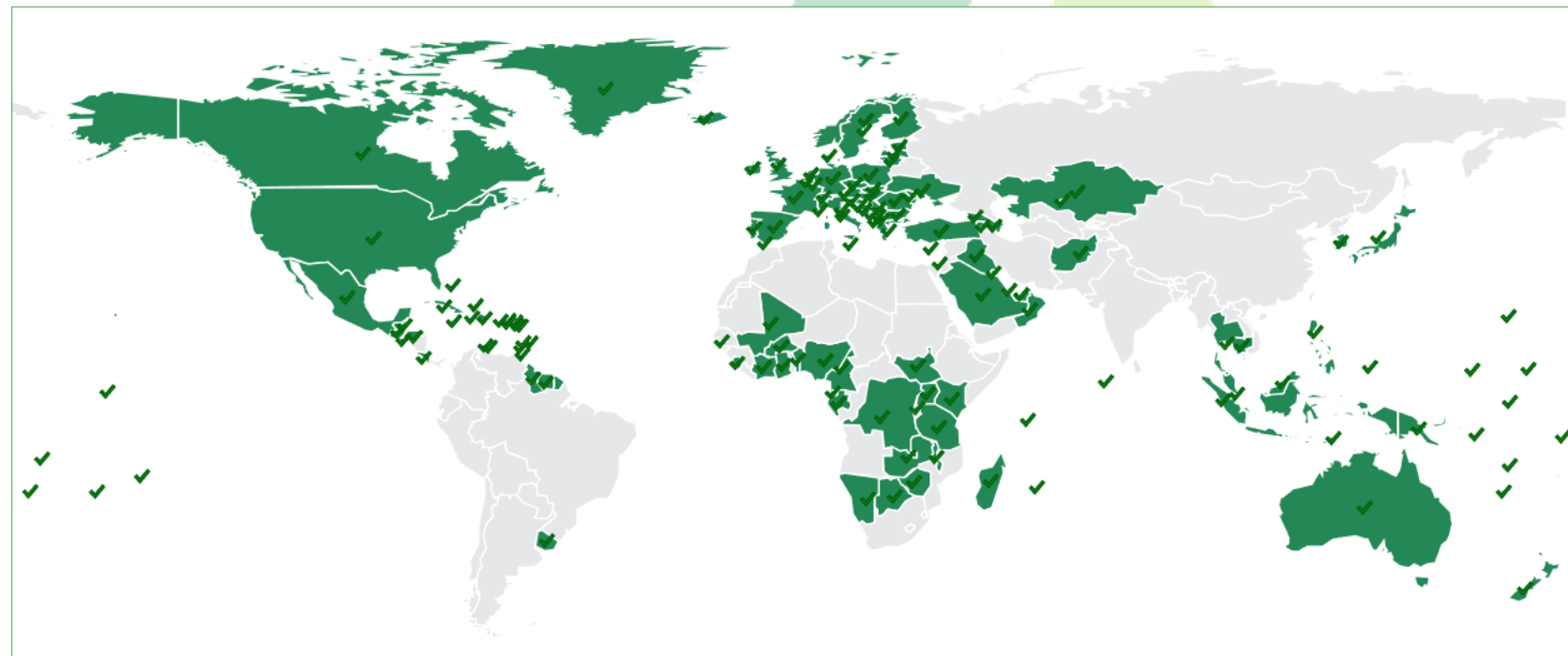
CEF information will be reported to ICAO and published



CORSIA VOLUNTARY PARTICIPATION

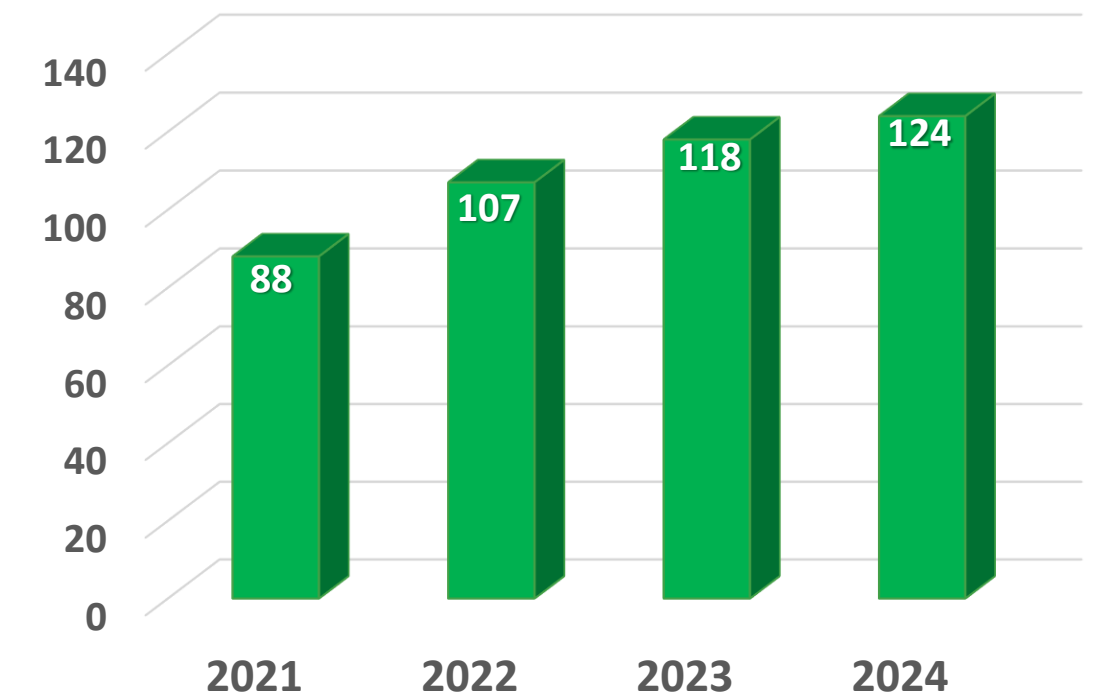
124
Volunteer
States*

* From 1 January 2024



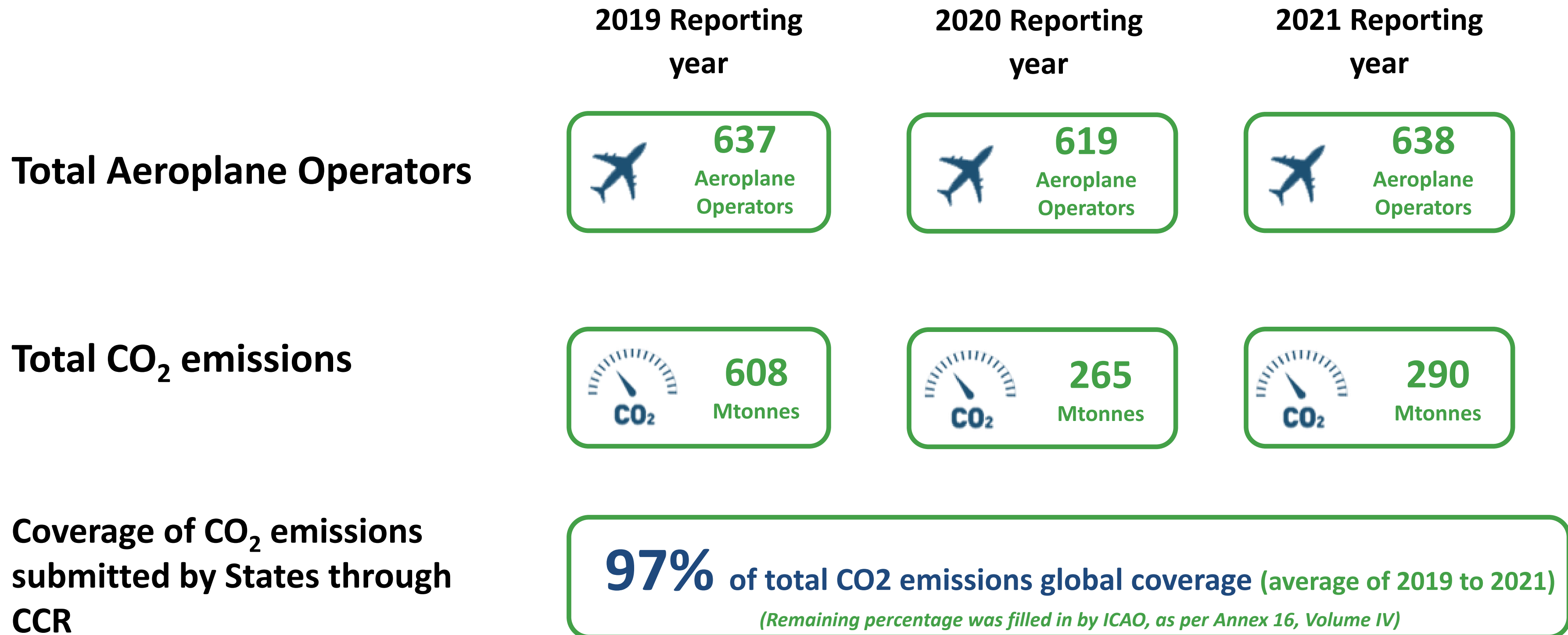
Includes 53 States that are classified as SIDS,
LDCs, LLDCs

Participation per year



States joining CORSIA
offsetting requirements

REPORTS SUBMISSION UNDER THE CORSIA CENTRAL REGISTRY



Thank You



ICAO

2023 STOCKTAKING