



ICAO

ENVIRONMENT

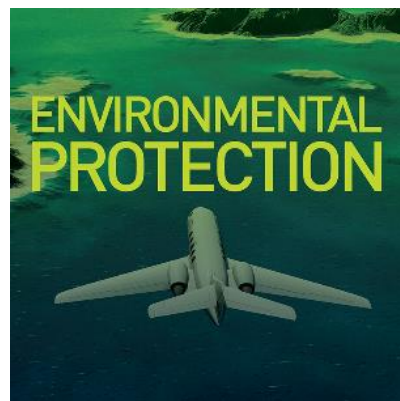
## ICAO Secretariat

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# Setting the Scene – Part 1 Overview of ICAO Environmental Work

## ICAO STRATEGIC OBJECTIVE

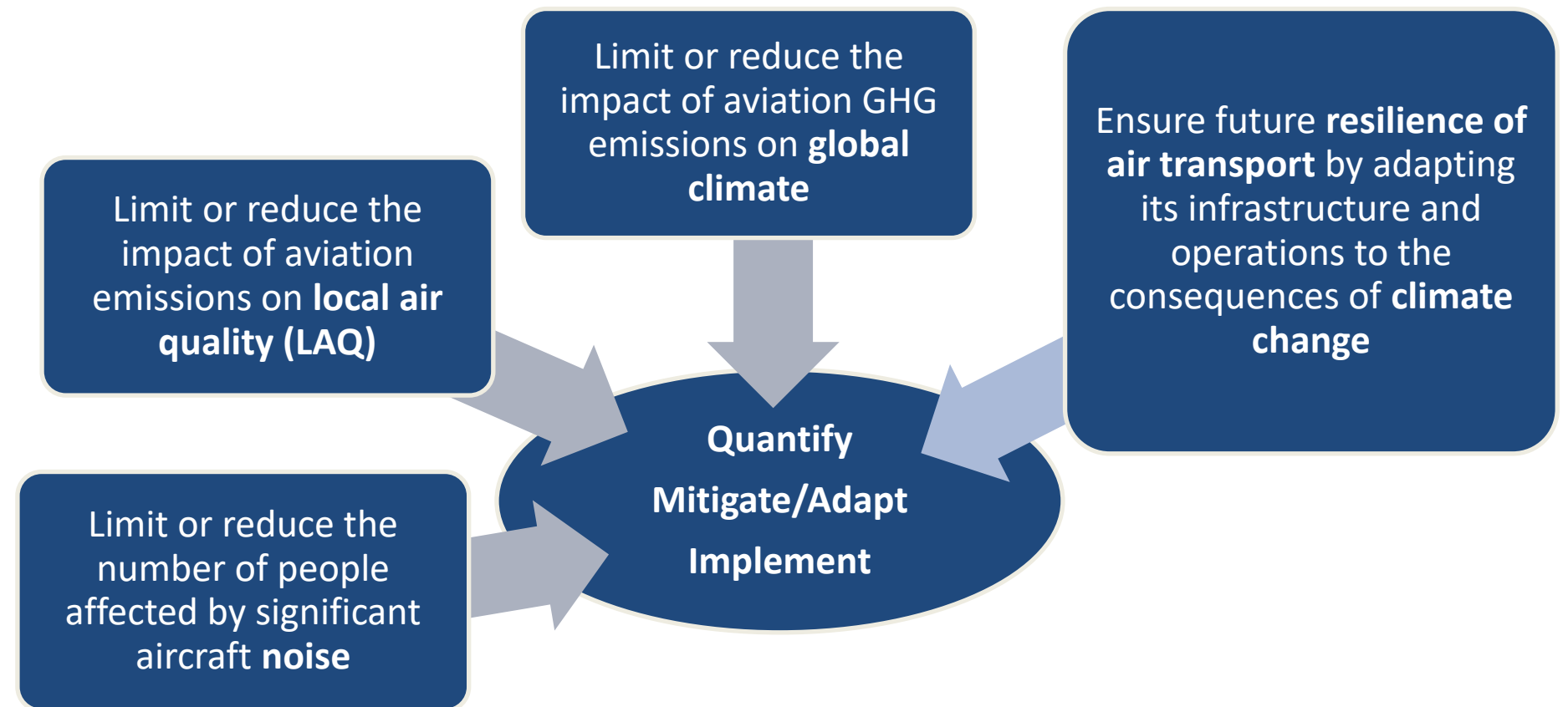
Minimize the adverse effect of global civil aviation on the environment



ICAO's environmental work contributes to 14 out of the 17 United Nations SDGs



## ICAO ENVIRONMENTAL GOALS



## 41<sup>st</sup> ASSEMBLY RESOLUTIONS

- **A41-20:** General provisions, noise and local air quality
- **A41-21:** Climate change
- **A41-22:** Carbon Offsetting and Reduction Scheme for International Aviation (CORSA)

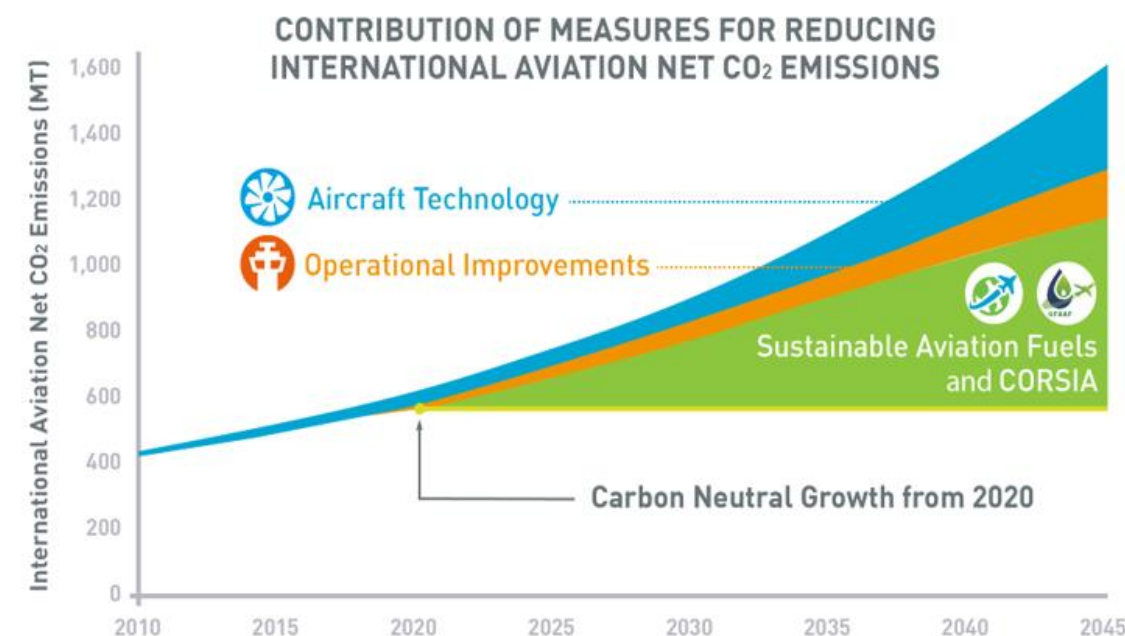
2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



2050 ACT SAF CORSIA

2009 2010 2016 2017 2018 2020 2021 2022 2023

- 2007: 36th ICAO Assembly
- 2009: CAAF/1
- 2010: 37th ICAO Assembly and adoption of two global aspirational goals:
  - 2% annual fuel efficiency improvement
  - Carbon Neutral Growth from 2020



2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



2050

ACT SAF

CORSIA



2010

2016

2017

2018

2019

2020

2021

2022

2023

- 2016: 39th ICAO Assembly: Historic agreement on a global market-based measure: CORSIA
- 2017: Mandatory CO<sub>2</sub> certification standard for aircraft (Annex 16 Volume III)
- 2017: CAAF/2 and 2050 ICAO Vision for SAF

CORSIA



2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



2050

ACT SAF

CORSIA

2024 Regional Seminar on Environment

ICAO



2010

2016

2017

2018

2019

2020

2021

2022

2023

- 2018: New Annex 16 Volume IV on CORSIA
- 2018: ACT-CORSIA with more than 130 States
- 2019: Eligibility criteria for emissions units
- 2021: Sustainability criteria for SAF, and expanded to LCAF



# 2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



ICAO 2024 Regional Seminar on Environment

2009 2010 2016 2017 2018 2020 2021 2022 2023

- 2020 onwards: ICAO work on LTAG feasibility – 2022 LTAG Report
- 2022: Launch of ICAO ACT-SAF Programme
- 2022: 41st ICAO Assembly: Adoption of the LTAG of Net Zero carbon emissions by 2050
- 2023: CAAF/3 and adoption of the ICAO Global Framework for SAF, LCAF and other Aviation Cleaner Energies



# ICAO LTAG NET-ZERO 2050

Long-term global aspirational goal for international aviation

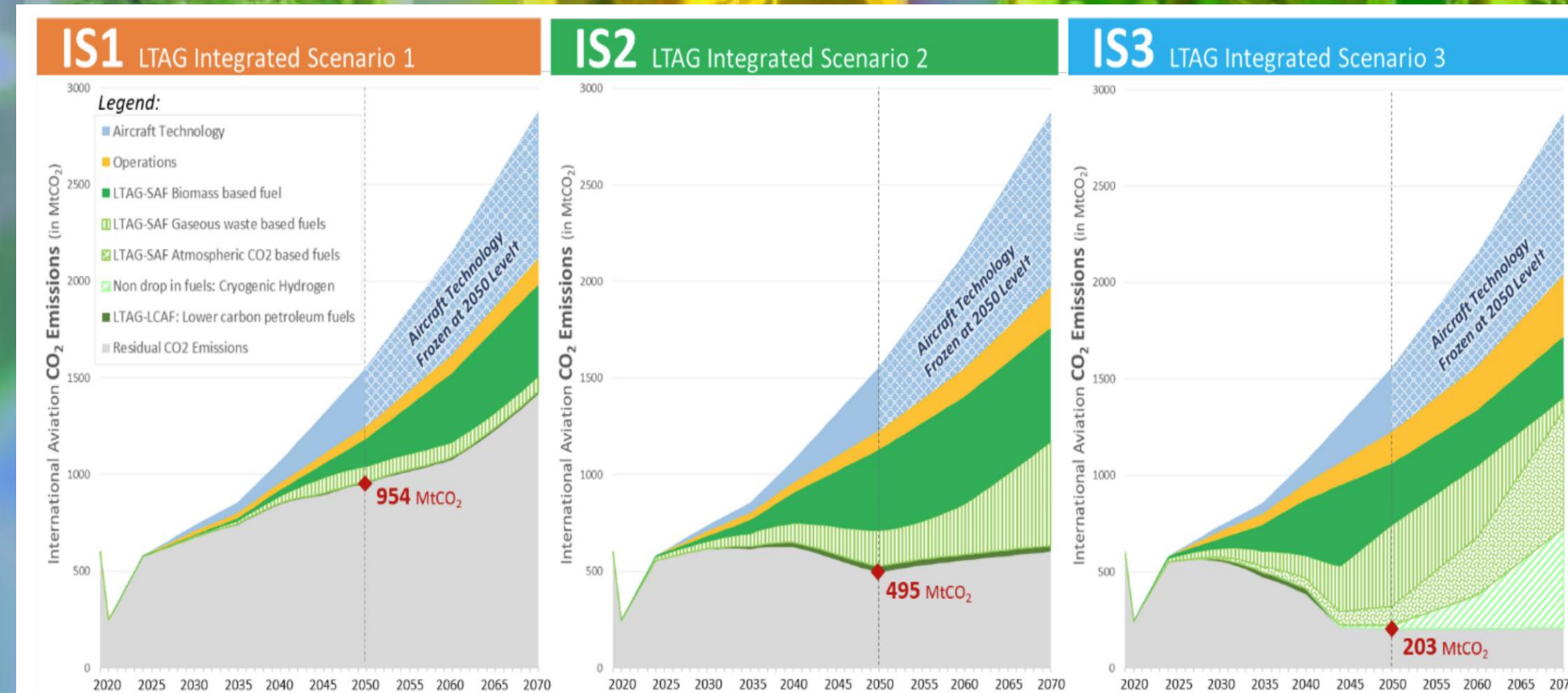
represents a

**NEW BEGINNINGS**



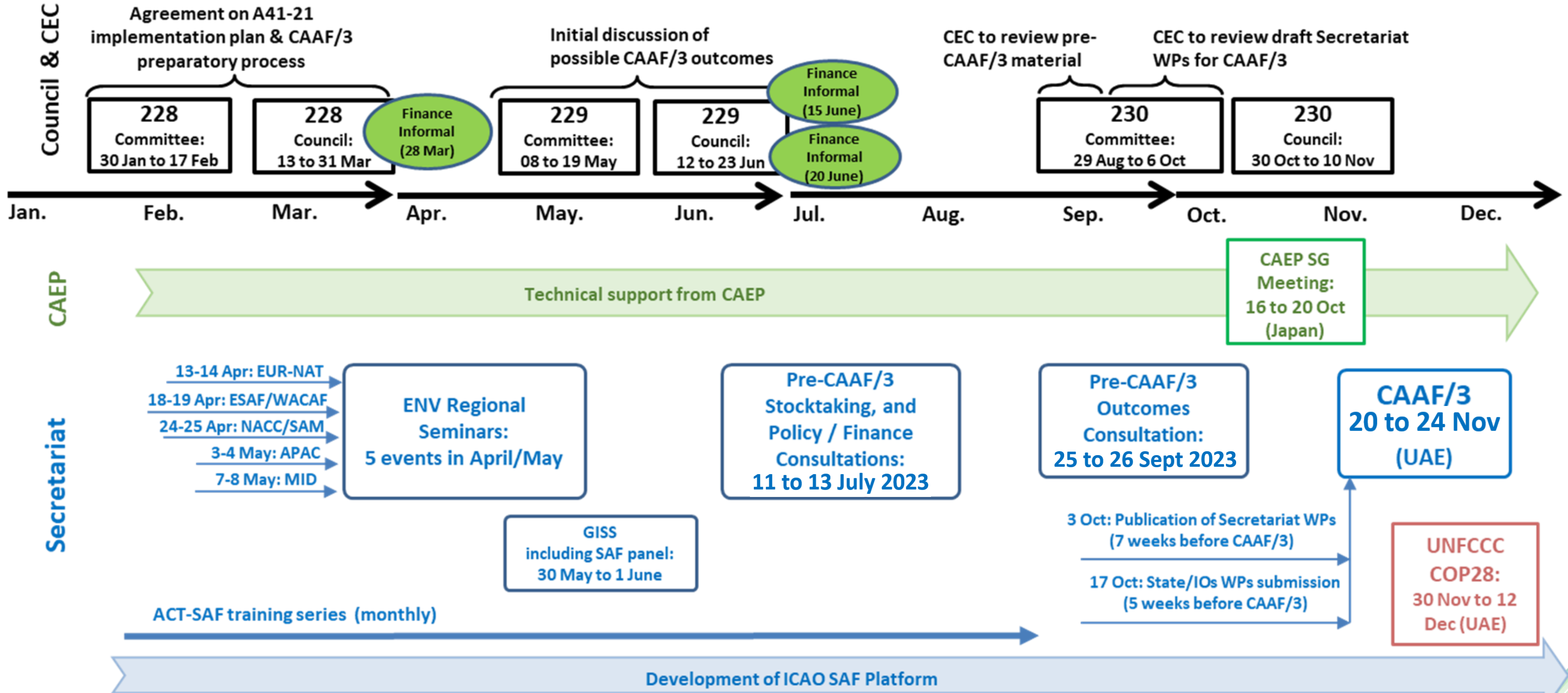
LTAG Report scenarios are clear:

# Aviation cleaner energy



Largest potential to reduce CO<sub>2</sub> emissions

# 2023 timeline towards CAAF/3



# 2023 ICAO Environmental Regional Seminars





# ICAO Global Framework for SAF, LCAF and other Aviation Cleaner Energies



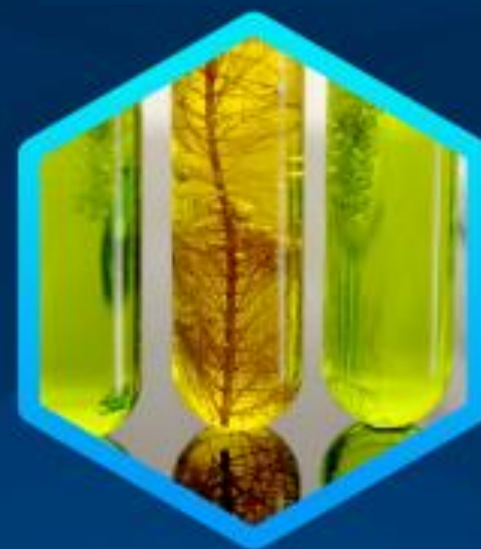


# ICAO Global Framework for SAF, LCAF and other Aviation Cleaner Energies

Policy and Planning



Regulatory Framework



Implementation Support



Financing



- Supports global scale up of aviation cleaner energies – Collective Vision to reduce 5% CO<sub>2</sub> by 2030
- Provides clarity, consistency and predictability to all stakeholders on 1) policy and planning, 2) regulatory framework, 3) implementation support, and 4) financing – 4 Building Blocks
- Monitors the implementation progress on emissions reductions and means of implementation
- Aspiring to have cleaner energy production facilities in all regions by CAAF/4 (no later than 2028)
- To update the Vision at CAAF/4 on the basis of market developments

# CAAF/3 Global Framework – 4 Building Blocks

## 1. Policy and Planning

- Global aspirational **Vision** to reduce international aviation CO<sub>2</sub> emissions by **5% by 2030**
- Each State's **special circumstances and respective capabilities**
- **CAAF/4** no later than 2028, with a view to update Vision
- **Collaborative effort** across different stakeholders, and encourage **State policies, action plans and roadmaps**
- Implementation **monitored** and periodically **reviewed**

## 2. Regulatory Framework

- **CORSIA eligibility framework as accepted basis** for SAF, LCAF and other aviation cleaner energies
- Increase the **number of SCS**, additional fuel production **pathways / life-cycle values**
- Parameters for **fuel accounting methodologies**, leveraging on CORSIA MRV system
- **Study of fuel accounting systems** to determine any possible ICAO role

## 3. Implementation Support

- **Robust, targeted and tailored** capacity -building and implementation support
- **Building on ACT-CORSIA and ACT-SAF programmes**
- Facilitate **partnerships**, and exchange of best practices
- Develop **policy toolkit/guidance** and support **State Action Plans**
- Support **feasibility studies, pilot projects**, which may facilitate access to investment
- Support **access to technology**

## 4. Financing

- **Advocacy and outreach** for greater investment in aviation cleaner energy projects, including UN and international financial community
- Welcome and request for **operationalization of ICAO Fininvest Hub** to facilitate better access to public fund / private investment, to respond to Resolution A41-21, para 18. a)
- Expedite work to **consider the establishment of a climate finance initiative or funding mechanism under ICAO**, to respond to A41-21, para 18. b)

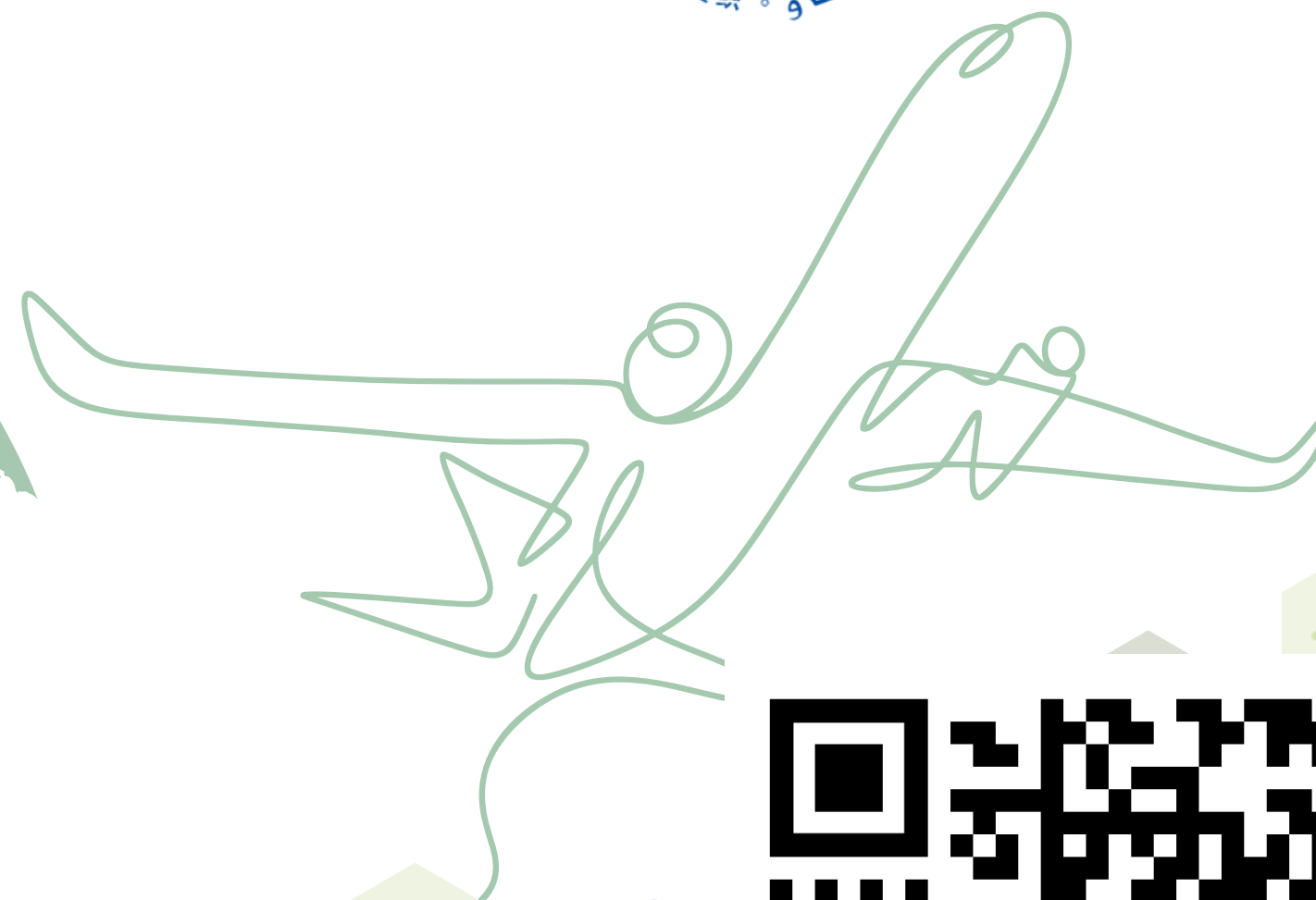
# Special Environment Report



ICAO



CAAF/3



14

2023



14



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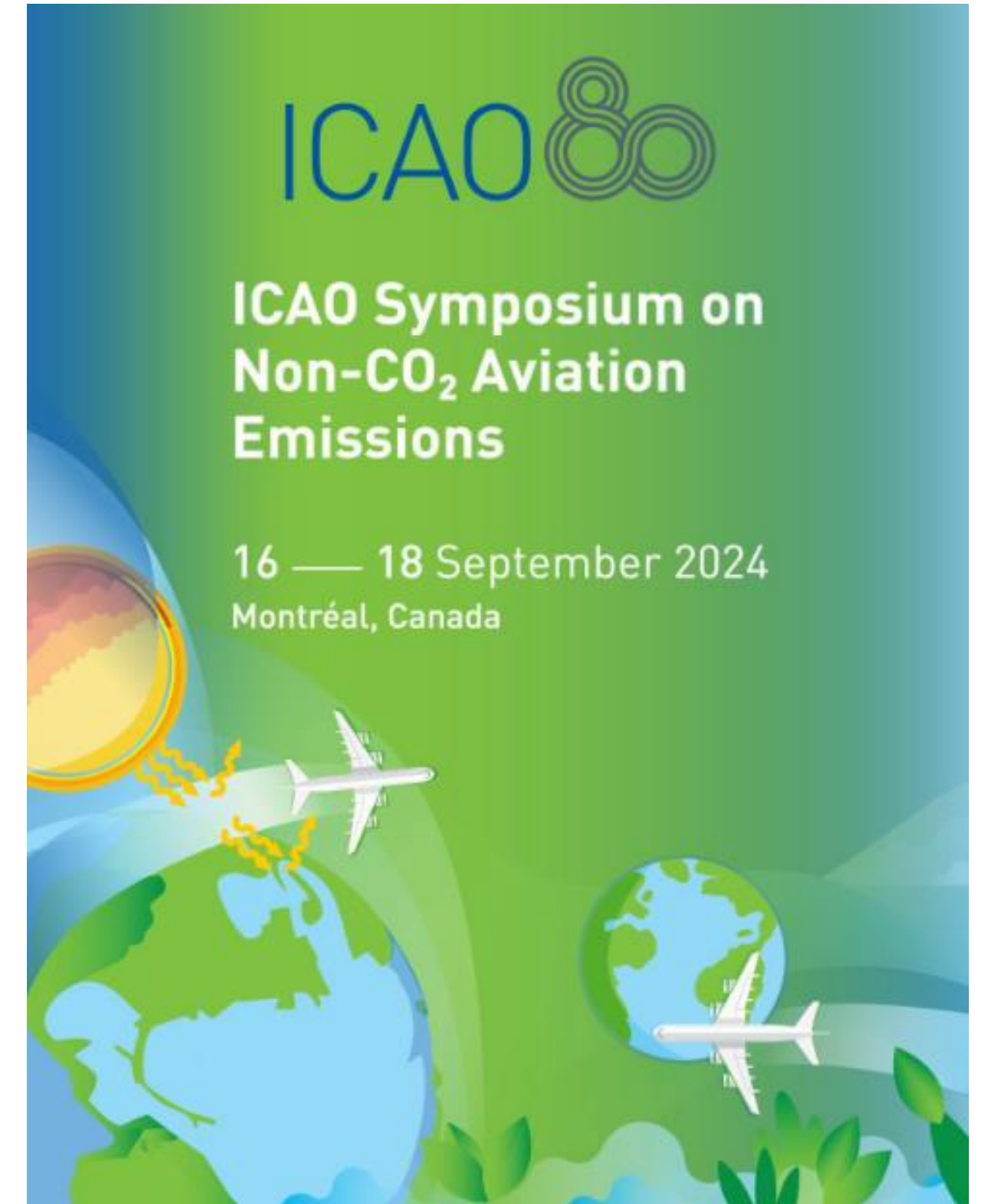
# CAAF/3 outcomes video

[https://www.youtube.com/watch?v=WQ2P\\_GFMeR4](https://www.youtube.com/watch?v=WQ2P_GFMeR4)



## • ICAO Symposium on Non-CO<sub>2</sub> Aviation Emissions

- Date: 16 - 18 September 2024
- Location: ICAO HQ, Montreal
- Format: In-person event
- ✓ First dedicated Symposium on the topic organized by ICAO
- ✓ The detailed agenda is available on the ICAO website
- ✓ Great opportunity to sponsors and exhibitors to showcase their products and services at international level



# Upcoming ICAO ENV Events in 2024

## • 2024 ICAO LTAG Stocktaking Event on Aviation CO<sub>2</sub> Emissions Reductions

- Date: 7 - 10 October 2024
- Location: ICAO HQ, Montreal
- Format: In-person event
- ✓ The biggest edition ever of ICAO LTAG Stocktaking events
- ✓ Preliminary Programme is available on the ICAO website
- ✓ Great opportunity to sponsors and exhibitors to showcase their products and services at international level.



**2024 ICAO LTAG  
STOCKTAKING**  
7 — 10 OCTOBER 2024



# Q&A Session

# Thank You

