



ICAO

ENVIRONMENT

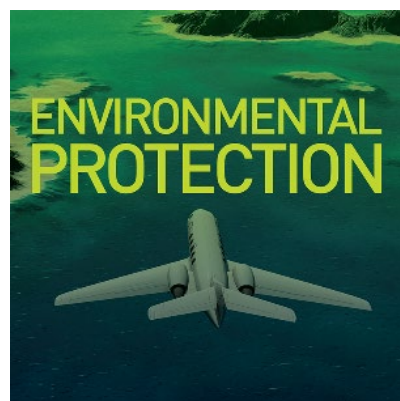
ICAO Secretariat

# Setting the Scene – Part 1

## Overview of ICAO Environmental Work

## ICAO STRATEGIC OBJECTIVE

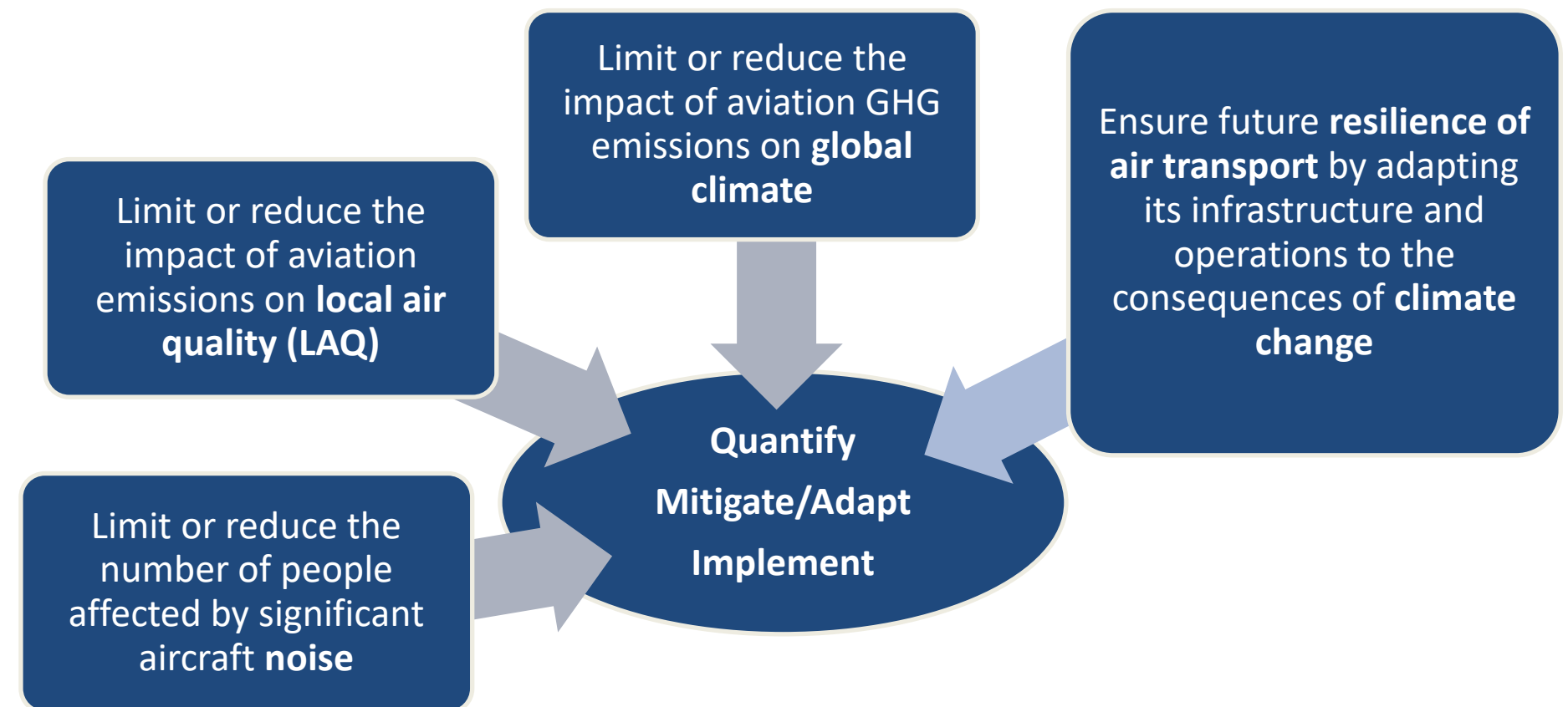
Minimize the adverse effect of global civil aviation on the environment



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



## ICAO ENVIRONMENTAL GOALS



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

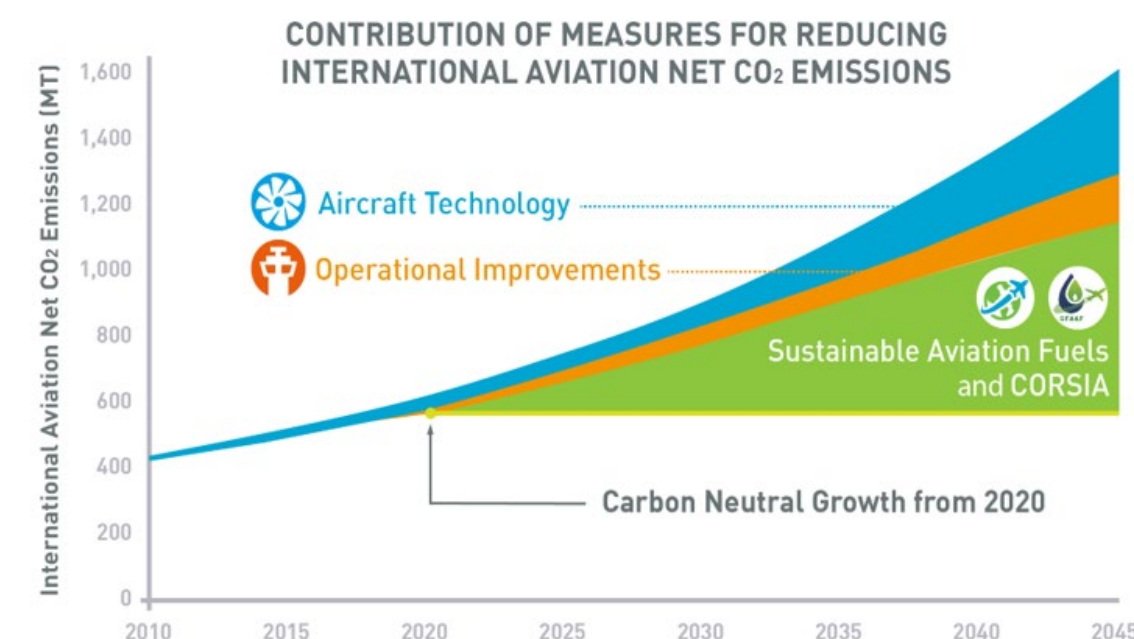
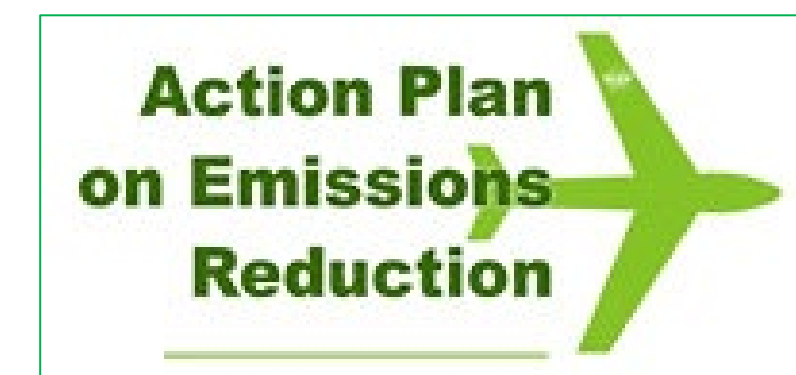
- **A41-20:** General provisions, noise and local air quality
- **A41-21:** Climate change
- **A41-22:** Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)



# 2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT



- 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



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



2010

2016

2017

2018

2019

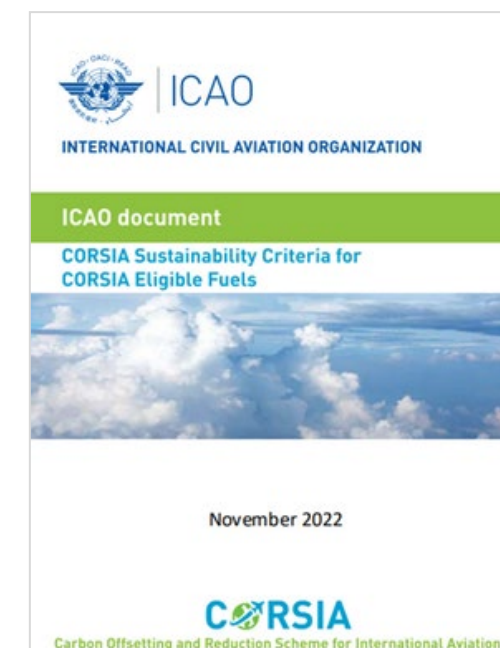
2020

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



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

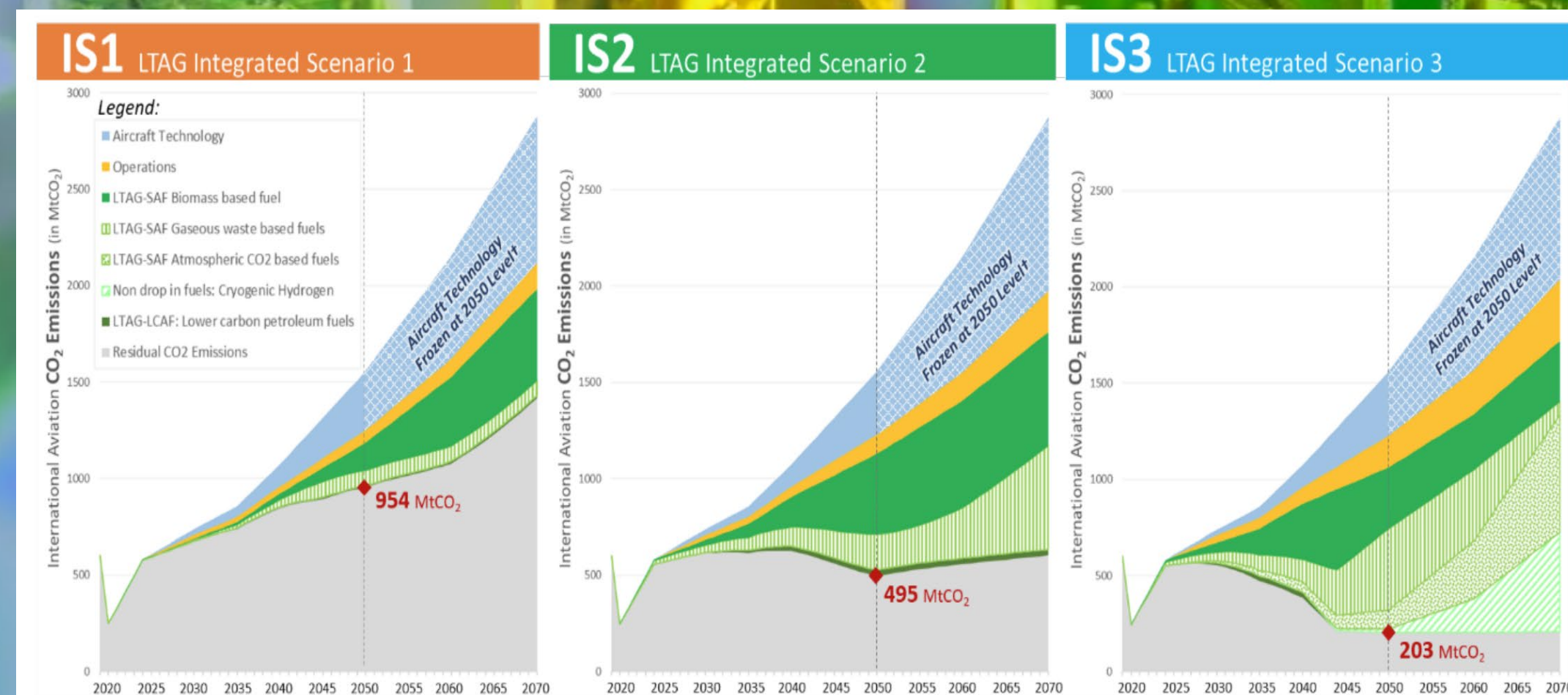
NEW BEGINNING





LTAG Report scenarios are clear:

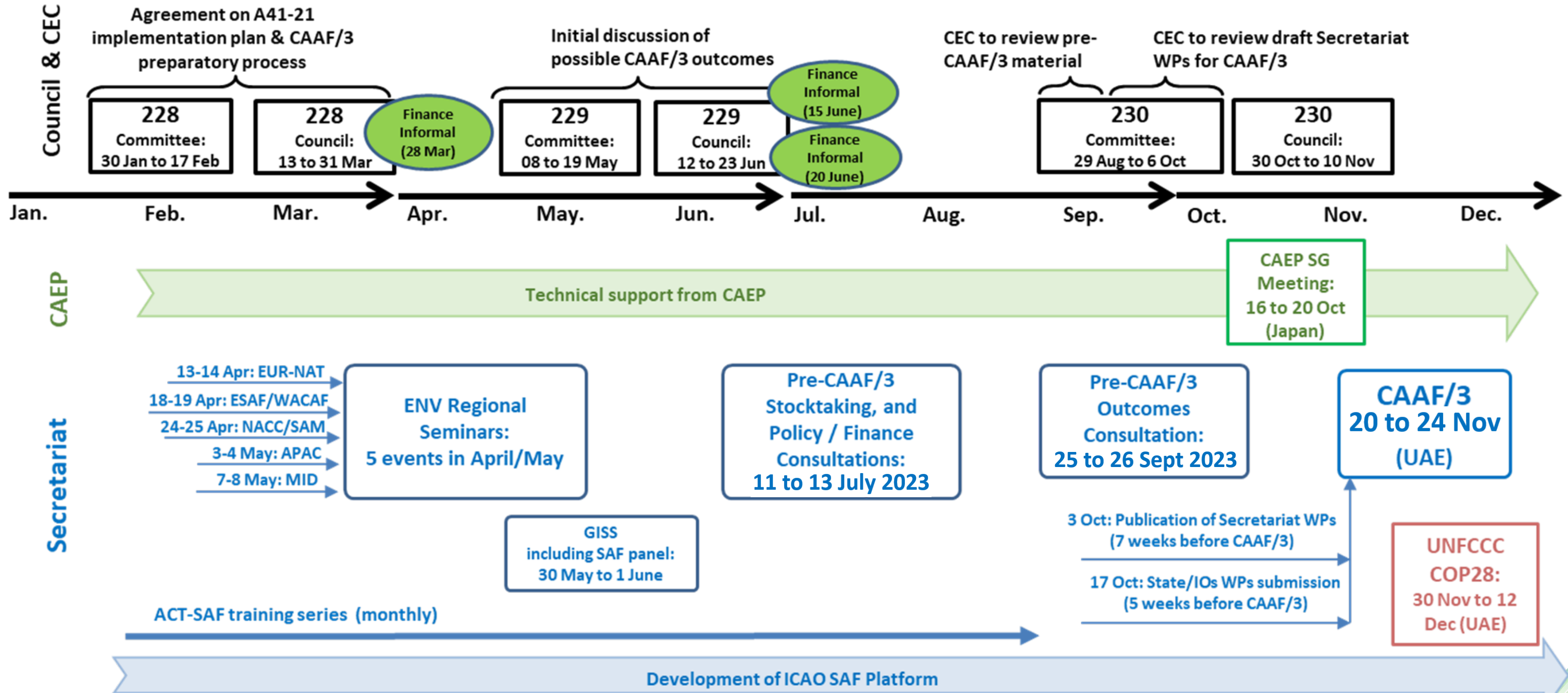
# Aviation cleaner energy



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







ICAO

# 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

