

# AFI AVIATION WEEK – 8<sup>th</sup> EDITION

## AFI Aviation Symposium



ICAO



### **Session 6: Environmental Protection**

### **Long-term Global Aspirational Goal (LTAG) &**

### **ICAO Third Conference on Aviation and Alternative Fuels (CAAF/3)**

Presented by: Mohamed Rahma  
Director Air Transport Bureau, ICAO

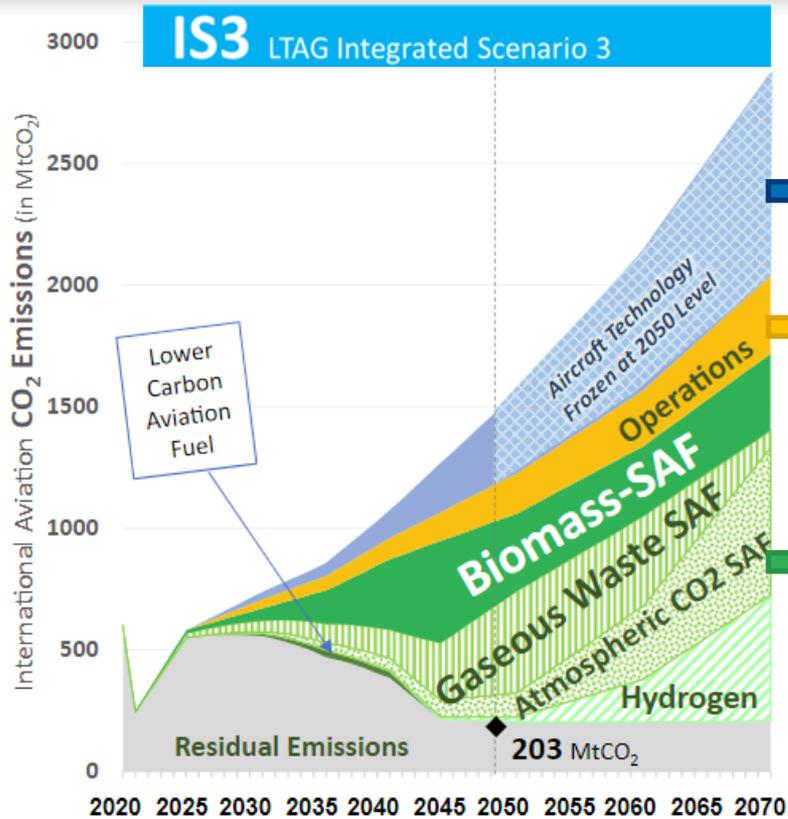
Nairobi, Kenya: August 2023

## A collective long-term global aspirational goal (LTAG) of net-zero carbon emissions from international aviation by 2050 (Resolution A41-21 Para 7)

- Need for monitoring of LTAG progress, including through the **Stocktaking**, **review of 2050 ICAO Vision**, etc. and the consideration of monitoring methodologies (A41-21 Para 9)
- Continue to assess progress on SAF, LCAF and other cleaner energy sources for aviation as part of the **Stocktaking**, and **CAAF/3 in 2023** for reviewing the **2050 ICAO Vision**, in order to define a global framework (A41-21 Para 28.f)



# LTAG Report – Contributions from technology, operations, and fuels towards decarbonization



Advanced tube and wing, unconventional airframe/propulsion concept aircraft, non-drop-in fuels such as battery electric etc.

Improvements in the performance of flights across all phases

Sustainable aviation fuels (SAF) and other cleaner energy have the largest impact on residual CO<sub>2</sub> emissions, driving overall reductions by 2050

Contributions from hydrogen may increase in the 2050s and 2060s if technically feasible and commercially viable

Significant costs and investments will be needed

## Means of implementation commensurate to the level of ambition, including financing, will promote the achievement of the LTAG (A41-21 Para 17)

**A41-21 18a** Facilitate... better access to private investment capacities, as well as funding from financial institutions...

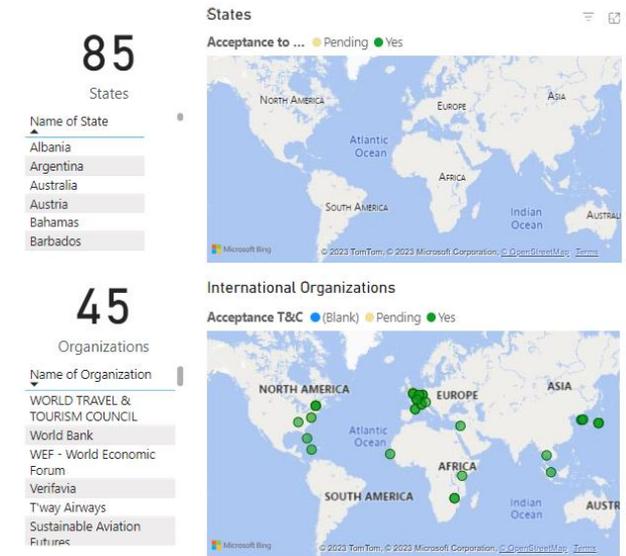
**A41-21 18b** Further consider the establishment of a **climate finance initiative or funding mechanism** under ICAO...

**A41-21 28a** Invite industry, financial institutions... to actively participate in exchange of information and best practices...



## Recognizing the crucial role of SAF and other cleaner energy towards the achievement of the LTAG, the **ICAO Assistance, Capacity-building and Training for SAF (ACT-SAF) was launched in June 2022**

- Creates opportunities for States to develop full potential in SAF development and deployment
- In line with ICAO No Country Left Behind, 2050 ICAO Vision for SAF, three main pillars for sustainable development recognized by the UN
- Provides tailored support for States



## ACT-SAF dashboard

- Recognizing efforts supporting implementation of SAF/cleaner energy



## Feasibility Study Template/Guide

- Ensuring coherence, and alignment with ICAO methodologies/guidance
- Support next steps, including financing



## ACT-SAF Series

- Comprehensive training on SAF-related topics, with support from Partners

ACT-SAF Series	Date	Topics	Contributor(s)	Abstract	Video and Presentation
#1	25 November 2022	An introduction to SAF	ICAO	<ul style="list-style-type: none"> <li>Introduction to ACT-SAF</li> <li>Basics of SAF</li> </ul>	 Download Presentation
#2	25 January 2023	SAF sustainability and reporting under CORSIA	ISCC IREB Vertiviva	<ul style="list-style-type: none"> <li>process for sustainability certification of SAF</li> <li>Reporting and verification of SAF Claims under CORSIA</li> </ul>	 Download Presentation
#3	23 February 2023	SAF technology and certification	Airbus US FAA Safran	<ul style="list-style-type: none"> <li>specifications for aviation turbine fuels</li> <li>process for approval for new production pathways</li> </ul>	 Download Presentation

## Feasibility Studies

- Implementation of feasibility studies – commenced in Côte d'Ivoire, Rwanda and Zimbabwe (ICAO-EU Assistance Project)



ICAO Council held 3 high-level exchanges with **multilateral development banks (28 Mar 2023)**, **private banks/investment companies (15 Jun 2023)**, and **energy companies (20 Jun 2023)** to discuss the challenges and opportunities on aviation decarbonization

#### Some takeaways shared during the exchanges

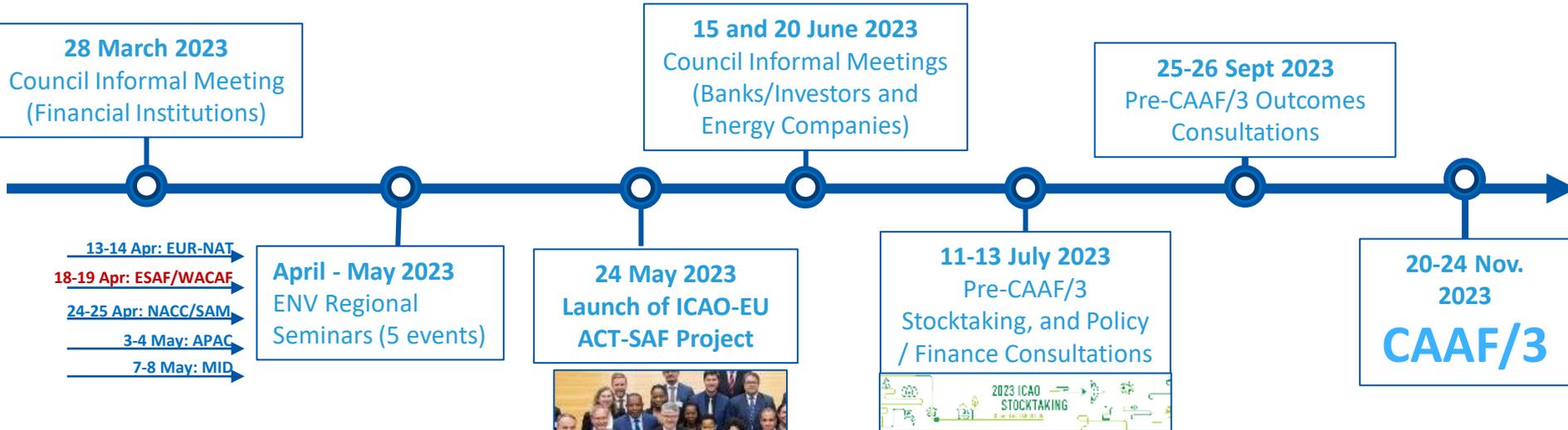
- Predictability of SAF offtake agreements, and reliability of international regulatory landscape, are essential to SAF project investor confidence
- More detailed and harmonized classification of SAF financing types and tools should be developed
- Examples of successful policies (tax incentives, blended finance) in other renewable energy sectors offer reference for SAF and other aviation energy
- Crucial to be technology-agnostic in recognizing SAF developments





The Assembly requested the convening of:

... the CAAF/3 in 2023 for reviewing the 2050 ICAO Vision for SAF, including LCAF and other cleaner energy sources for aviation, in order to define a global framework in line with the No Country Left Behind (NCLB) initiative and taking into account national circumstances and capabilities (A41-21 Para 28f)



## Pre-CAAF/3 Policy and Finance Consultations (11-13 July 2023)

- Held with ICAO Stocktaking 2023
- Focus on policy and finance matters
- Involved public and private financial institutions
- Considered relevant elements of a global framework for aviation cleaner energy



## Pre-CAAF/3 Outcomes Consultation (25-26 September 2023)

- Focus on possible CAAF/3 outcomes for an ICAO global framework for aviation cleaner energy
- Seek convergence of views, identify remaining differences of views, and possible way forward to bridge them
- Pave way for result-oriented discussions at CAAF/3



## Third ICAO Conference on Aviation and Alternative Fuels (CAAF/3)

- In-person event in Dubai, UAE with hybrid capabilities from 20 to 24 November 2023
- Assembly Resolution A41-21 Para 28 f
  - The Council was also requested to convene the CAAF/3 in 2023 for reviewing the 2050 ICAO Vision for SAF, including LCAF and other cleaner energy sources for aviation, in order to define an ICAO global framework in line with the No Country Left Behind (NCLB) initiative and taking into account national circumstances and capabilities
- CAAF/3 to bring together high-level officials from States who will have the authority to make policy-related decisions, as well as international organizations with direct involvement in aviation cleaner energy, that are invited to participate as observers
- Ministerial and high-level statements on 20 November 2023



## Third ICAO Conference on Aviation and Alternative Fuels (CAAF/3)

- Consideration of agenda items from 21 November 2023
  - **Agenda item 1: Setting the scene** – Latest developments in cleaner energy technology for international aviation and its contribution to the Long-term Global Aspirational Goal
  - **Agenda item 2: Supporting policies** to promote the development and deployment of cleaner energy for aviation
  - **Agenda item 3: Assistance and capacity building** for cleaner energy
  - **Agenda item 4: Financing** cleaner energy
  - **Agenda item 5: Reviewing the 2050 ICAO Vision for SAF, including LCAF and other cleaner energy for aviation, in order to define a global framework**



## Third ICAO Conference on Aviation and Alternative Fuels (CAAF/3)

- **Action required**
  - **Register** online to attend CAAF/3 no later than **24 October 2023**
  - **Inform Minister-level participation** in the high-level segment on 20 November 2023 no later than **24 October 2023**
  - **Submit documentation** for discussion at CAAF/3 by **17 October 2023**



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THANK YOU