



AFCAC
African Civil Aviation
Commission

Session 6: AFCAC Initiatives on Environmental Protection in Africa



8th AFI Aviation Week 2023, Nairobi, Kenya, 21st – 25th August 2023



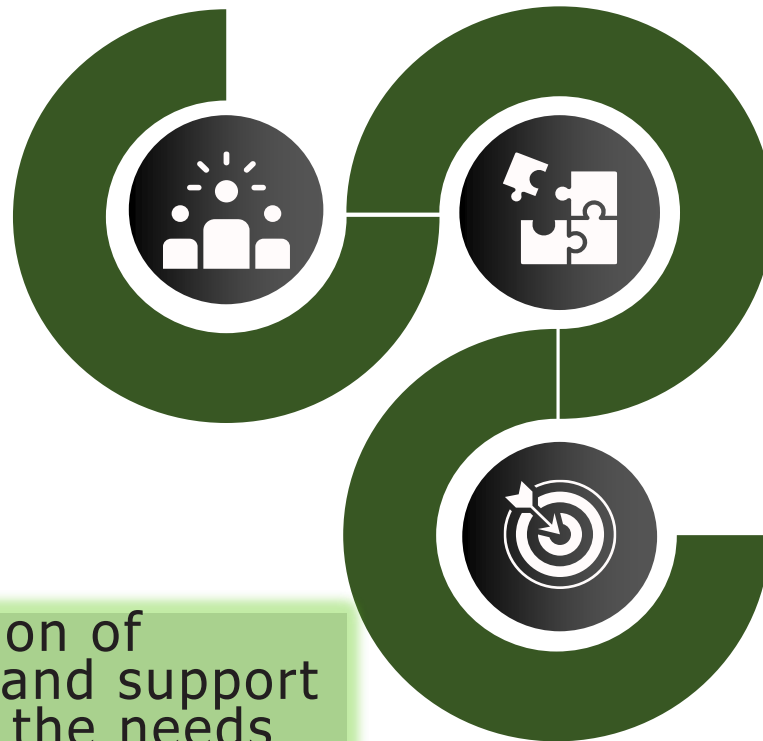
Executive Summary

01

Status of aviation environmental protection in Africa

02

Progress of implementation of initiatives in collaboration with stakeholders



03

Calls for the provision of required resources and support in order to address the needs of member States.



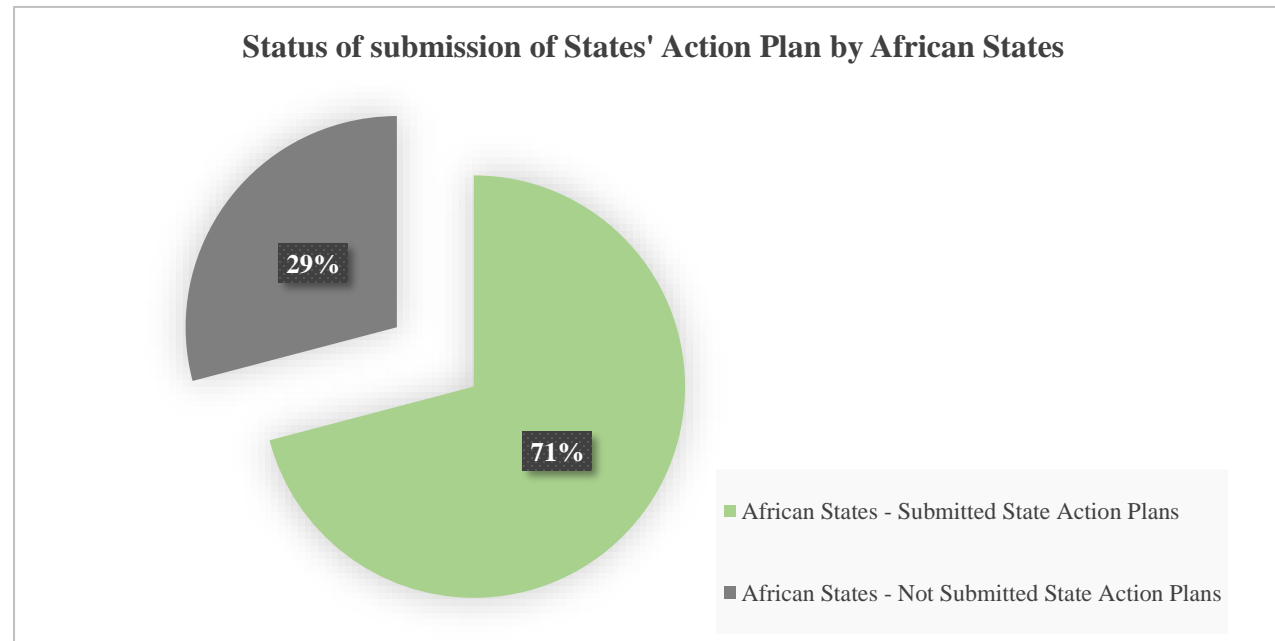
Technical Assistance to States to develop or update their States Action Plans (SAP) for CO₂ emissions reduction

Objective

- Support member States with technical understanding to implement specific activities in line with ICAO Assembly resolution A41-21 on climate change.

Status

- Since the year 2012 to date, thirty nine (39) member States have submitted their SAPs to ICAO.
- The chart below presents the status of Africa with regard to submission of States' Action Plans (SAP) for CO₂ emissions' reduction activities as at June 2023.

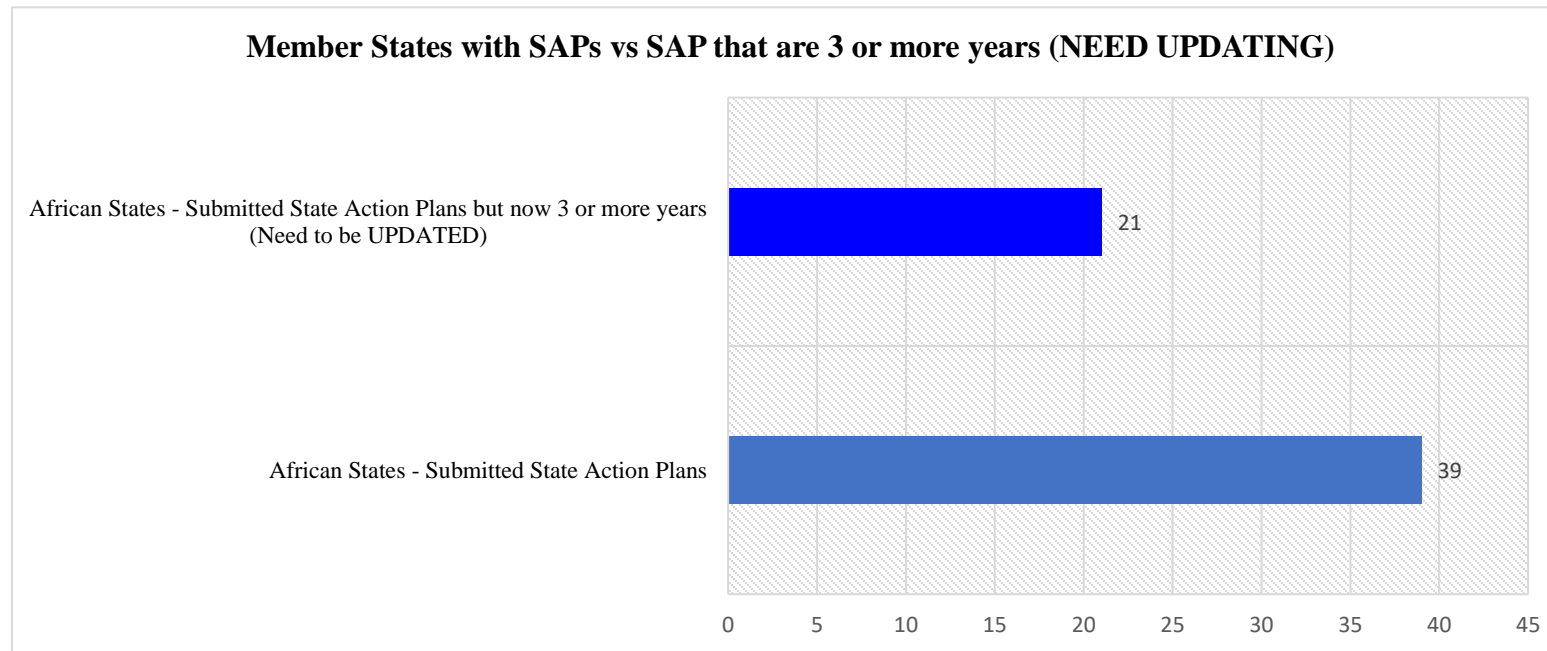


Technical Assistance to States to develop or update their States Action Plans (SAP) for CO₂ emissions reduction

- ICAO Assembly resolution A41-21 requires States to prepare or update their States Action Plans once every 3 years.

Status

- The graph below presents the status of Africa on the SAPs that are over three years old since they were submitted. The data presented is as at June 2023.



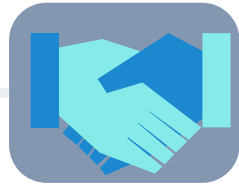
Technical Assistance to States to develop or update their States Action Plans (SAP) for CO₂ emissions reduction

- Twenty one out of the thirty nine (53%) of the submitted SAP require to be updated.



Completed in coordination with ICAO

Map out and allocation of support to States to develop or update their SAPs under different available funding streams



Completed in coordination with ICAO

Capacity building session to launch the technical assistance program to States in February 2023



Planned

Technical Assistance to SAATM States to develop or update their States' Action Plans for CO₂ emissions' reduction activities under the AfDB support project to AFCAC.



Planned

Twenty SAATM States are planned to benefit from the Technical Assistance.



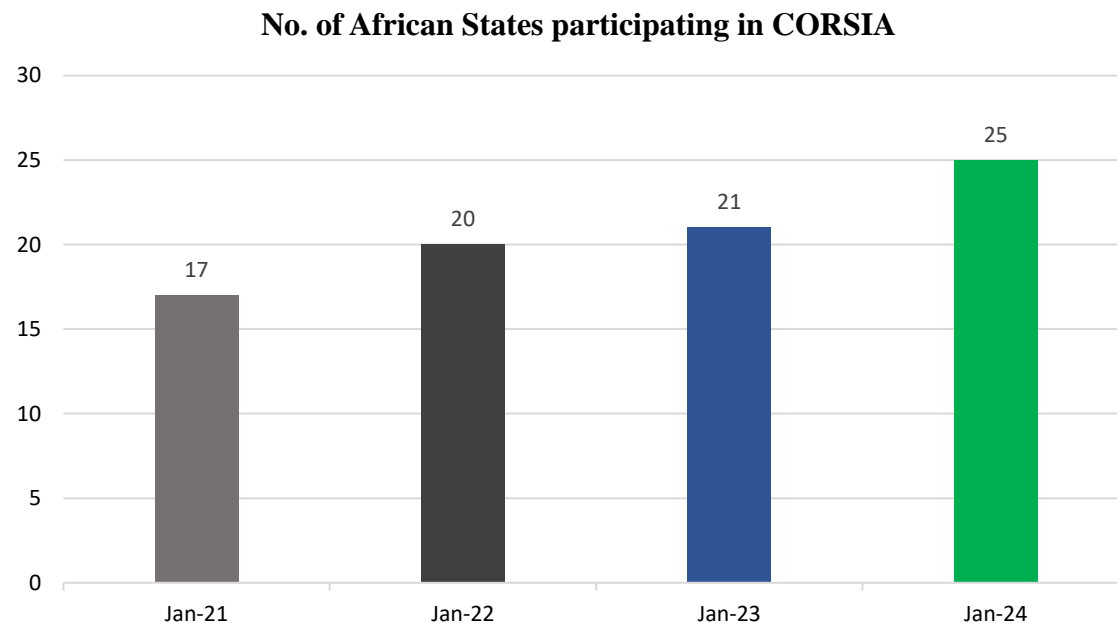
Targeted support to member States on the implementation of CORSIA

Objective

- Support member States' environment experts improve their understanding and capacity to implement CORSIA in accordance with ICAO Assembly Resolution A41-22 and Annex 16 volume IV.
- Urge member States to volunteer and join



Status



African States that have volunteered to participate in CORSIA as at 1st January since the year 2021 and the number projected as from 1st January 2024 with the addition of Seychelles, Sierra Leone, Mauritius and Malawi.



Targeted support to member States on the implementation of CORSIA

- July 2022 in Dakar, Senegal – Capacity Building Workshop on CORSIA Implementation held in coordination with EASA;
- January 2023 in Nairobi, Kenya - Capacity building workshop on CORSIA verification in Collaboration with EASA and Kenya Civil Aviation Authority;
- May 2023 in Johannesburg, South Africa - Improved awareness, understanding and knowledge of aviation's climate impacts and policies, with focus on CORSIA in collaboration with EASA; and
- May 2023 in Johannesburg, South Africa - Regional Workshop on CORSIA Implementation after ICAO 41st Assembly in Collaboration with EASA and South African Civil Aviation Authority.

In order to provide tailor made technical assistance to States on CORSIA, it is important that States provide responses to the AFCAC letter (AC-HQ/4.1-424 of 18 October 2022) inviting States to identify the areas of need that require specific intervention.

Targeted support to member States on the implementation of CORSIA

Activities Ongoing

- Technical support to Kenya to set up a CORSIA verification body.
- Technical support to Cameroon & Côte d'Ivoire's to update regulation.
- Technical support to Gabon to install AeDMS to manage CORSIA reporting.
- Technical support to Kenya on CORSIA eligible fuels.



Other initiatives

Environment Experts Working Group.

- Launched across 16 domains in civil aviation to support AFCAC with expertise that are currently not available at the Secretariat, consider and resolve issues in civil aviation domains across and for the benefit of Member States.
- Experts from Cameroon, Kenya, Gabon, South Africa, Tanzania, Ghana, Ethiopia, Burkina Faso, Eswatini, Uganda, Rwanda, Equatorial Guinea and AFRAA.

Actions

- Considered the proposed amendments of Annex 16 volume IV and registered a no objection to the proposed amendments
- Consideration of ICAO Assembly Resolutions on Environmental Protection. Developing an action plan.
- Consideration of initiative to accelerate development and deployment of Sustainable Aviation Fuels in Africa and the upcoming events.



Action Required

Note the information presented in this paper and the progress.

Note the vast and wide coverage of Environmental Protection issues impacting member States.



Urge States to support all the initiatives designed to enhance Environmental Protection on the continent.

Urge States to provide regular feedback on identified States' needs that require specific interventions.



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Session 7: AFCAC'S INITIATIVE TO ACCELERATE DEVELOPMENT AND DEPLOYMENT OF SUSTAINABLE AVIATION FUELS (SAF) IN AFRICA



8th AFI Aviation Week 2023, Nairobi, Kenya, 21st – 25th August 2023



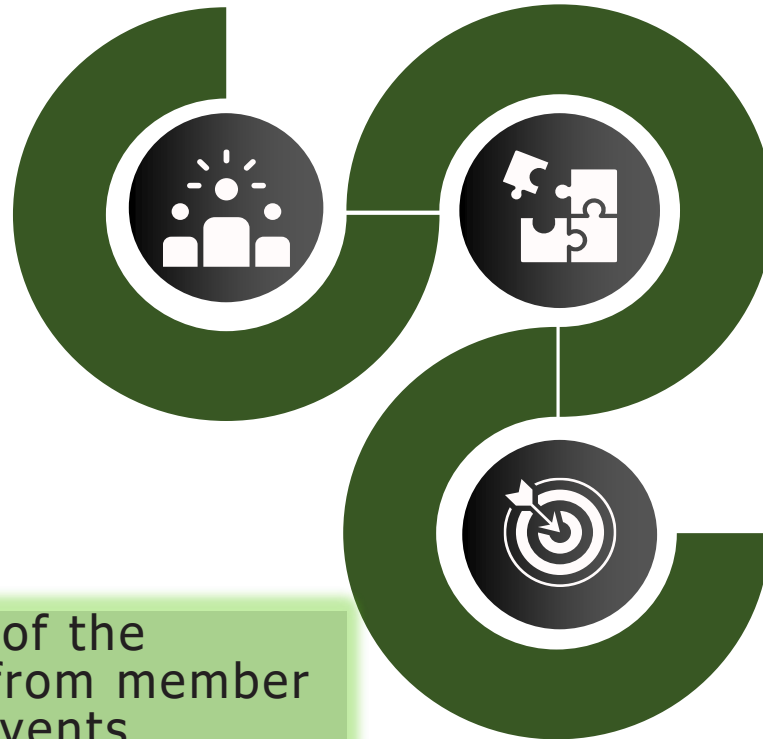
Executive Summary

01

Initiative to accelerate development and deployment of SAF in Africa

02

Planned activities and related events

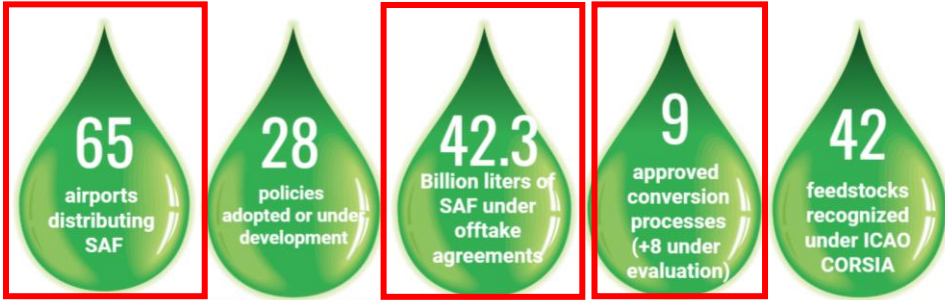


03

Calls for the support of the initiative and action from member States to upcoming events.



Trends in Africa



Airports distributing SAF:
97 versus 65 between June and July 2023

Liters of SAF under offtake agreements:
42.5 Bn liters vs 42.3 Bn liters
June and July 2023

ACT-SAF:
49 Feasibility Studies



Trends in Africa

Environmental Policies on Aviation Fuels

The following map and table provides a summary of the policies (adopted and under development) to foster the use of Sustainable Aviation Fuels and Lower Carbon Aviation Fuels.

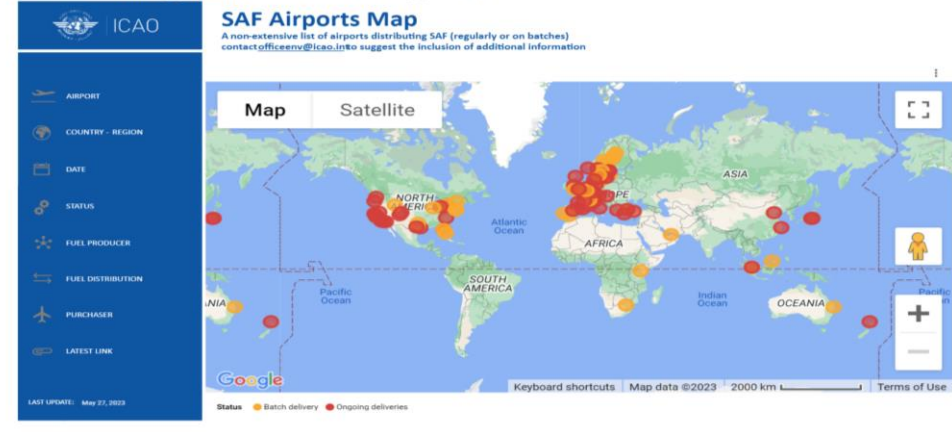
Please contact officeenv@icao.int to suggest the inclusion of further information.



Airports

Many airports are now offering Sustainable Aviation Fuels, either continuously or in batches. The map and table below provides further details on these initiatives to deploy SAF.

Contact officeenv@icao.int for comments or suggestions.



Airport	Status	Source	Date
1. Jomo Kenyatta International Airport	Batch delivery	https://www.eni.co...	May 27, 20...
2. Sabiha Gökçen International Airport	Batch delivery	https://www.petrolo...	May 25, 20...
3. Seletar Airport	Ongoing deliveries	https://www.biofuel...	May 3, 2023
94. Stockholm Arlanda Airport	Ongoing deliveries	https://www.linkedin...	Jan 5, 2017
95. Johannesburg Airport	Batch delivery	https://boeing.medi...	Jul 15, 2016
96. Montreal Trudeau Airport	Batch delivery	https://advancedbio...	May 24, 20...



Acceleration of Development and Deployment of Sustainable Aviation Fuels – WHY?

41st ICAO Assembly

Global aspirational goal for international aviation (LTAG) of net-zero carbon emissions by 2050

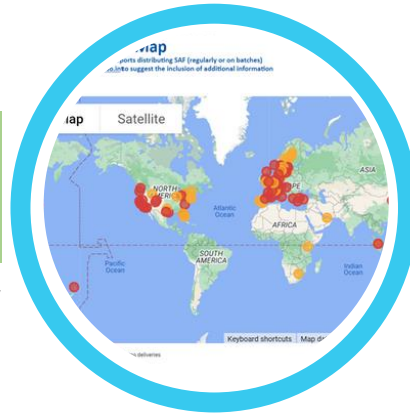


SAATM

Increased intra-African air transport

ICAO SAF Tracking Tools

Minimal SAF producing or supplying airports in Africa



World Bank Report on SAF

Production potential of about 70 to 261 million tons of SAF which translates between 11 and 20 million additional jobs



Acceleration of Development and Deployment of Sustainable Aviation Fuels – WHY?

4 KEY OBJECTIVES

1

FEASIBILITY STUDIES



Potential of Sustainable Aviation Fuels for African States

2

CAPACITY BUILDING



Enhanced Sustainable Aviation Fuels initiatives implementation

3

RESOURCE MOBILIZATION AND ADVOCACY



For Sustainable Aviation Fuels projects in African States

4

POLICIES



Promote Sustainable Aviation Fuels deployment

➤ Capacity of Experts in States and RECs is enhanced to support implementation of SAF initiatives in Africa.




➤ Policies developed to promote the development and deployment of SAFs in a harmonized manner in Africa.

➤ Feasibility Studies to support the mobilization of resources to support funding for SAF production projects in Africa.

➤ Resources mobilized to support the deployment or production of SAF in Africa.



Activities so far

SAF Activity or Event	Title	Expected Outcomes
	<p>AFCAC signed the ACT SAF Terms of Reference</p>	<p>Support Capacity Building efforts for all African States. In collaboration with ICAO.</p>
	<p>AFCAC launched the African States' index for SAF/LCAF https://forms.office.com/r/K9bVRzJ9mK</p>	<p>Collect views of States on their SAF Activities</p>
	<p>AFCAC SAF flyer and action plans launched www.afcac.org/en</p>	<p>Publicly available to ensure coordinated actions among African States</p>



Activities so far – Workshop outcomes



Outcomes	Action Plans
Need for continuous Capacity Building and Technical Assistance to States	Comprehensive capacity building and targeted support to States' needs.
Need for developing Harmonized Policies	African Environment Experts Working Group to propose policy options, template roadmaps, SAF vision and goals.
Need for comprehensive SAF Roadmaps, Vision and Goals	
Need for access to SAF Financing	Mobilization of funds at global and continental levels to support SAF activities
Need for mobilization of Research funds	



Important Events

Event	When and Where	Expectations
Africa Climate Week -	4-8 September 2023, Nairobi, Kenya	Air transport industry stakeholders to exchange on climate solutions and approaches for overcoming barriers for the African region to accelerate development and deployment of Sustainable Aviation Fuels
Specialized Technical Committee on Transport, Transcontinental and Interregional Infrastructure, and Energy (STC-TTIE)	12-15 September 2023 Zanzibar	Forum for African Ministers to adopt SAF Roadmap and deployment plans
High Level Dialogue of African Policy Makers on Sustainable Aviation Fuels	2-6 October 2023 Dakar Sénégal	Forum for African Policy makers to dialogue ahead of CAAF/3
ICAO Global SAF CAAF/3 (Third Conference on Aviation and Alternative Fuels (CAAF/3))	22-25 November 2023 Dubai, UAE	Global conference on Aviation Fuels
COP 28	November 2023 Dubai, UAE	Showcase actions taken to Accelerate Development and Deployment of SAF in Africa



Action Required

Provide accurate feedback in completing the AFCAC African States Index Survey for SAF/LCAF survey.

Participate and provide feedback in the High-Level Dialogue of African member States' Policy Makers on Sustainable Aviation Fuels



Participate and defend AFCAC (African) coordinated positions at the third ICAO Conference on Aviation and Alternative Fuels (CAAF/3) will be held from 21 to 24 November 2023 in Dubai, United Arab Emirates.