The ICAO ESAF/ WACAF Annual Environmental Workshop
&
The EASA 3rd Annual SAF Workshop Under the ICAO - EU ACT-SAF Assistance Project

The ACT SAF Programme Support and Its Impact: Kenya's Experience as a Beneficiary State on SAF Progress

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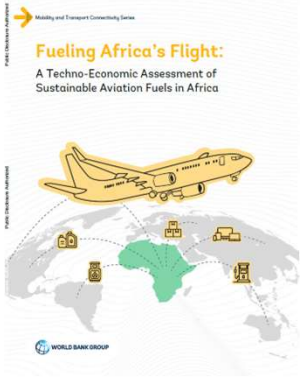
20-23 April 2026 at KIGALI MARIOTTE HOTEL

KENYA-ACT SAF PROGRESS AND OUTPUTS

ICAO - EU Assistance Project **| 2018**

ICAO – Kingdom of the Netherlands **| 2025**



World Bank**| 2025**

GIZ**| 2026**

Facts about jet fuel

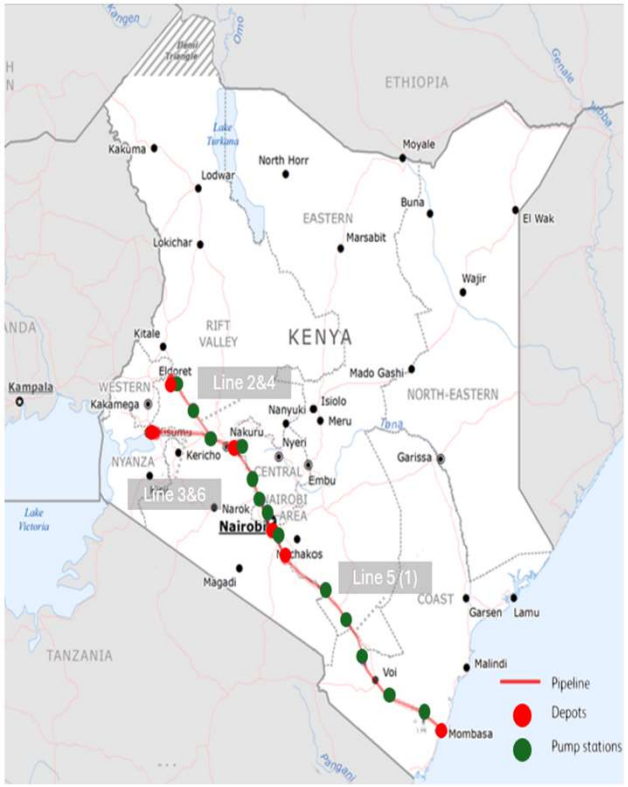
Import of petroleum product from 2013 after refining operations in Mombasa stopped.

1 208 000 m³ of jet fuel Imported from port of Mombasa in 2024

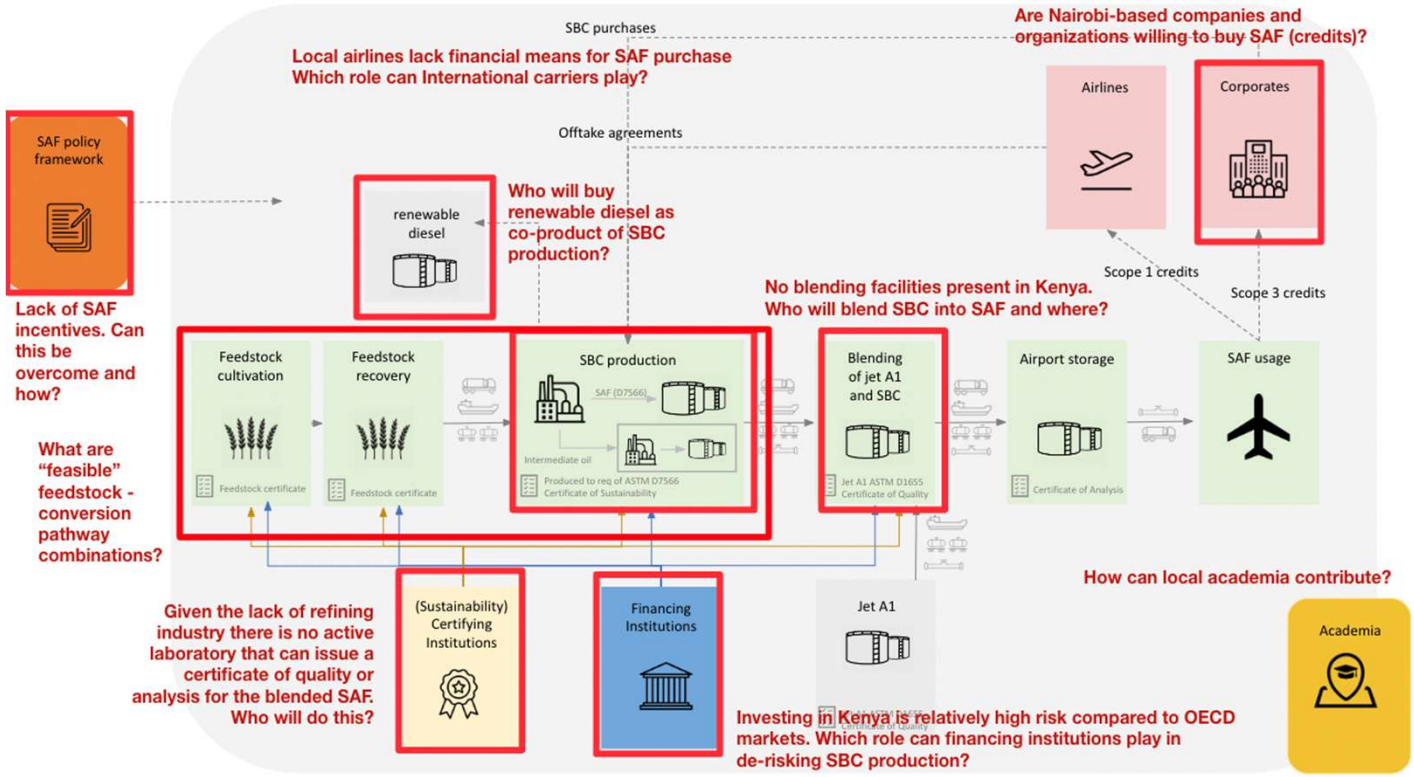
926 000 m³ (~745 kt) National jet fuel consumption in 2024

282 000 m³ were re-exported to neighboring countries (Uganda, South Sudan, DRC, Rwanda and Burundi)

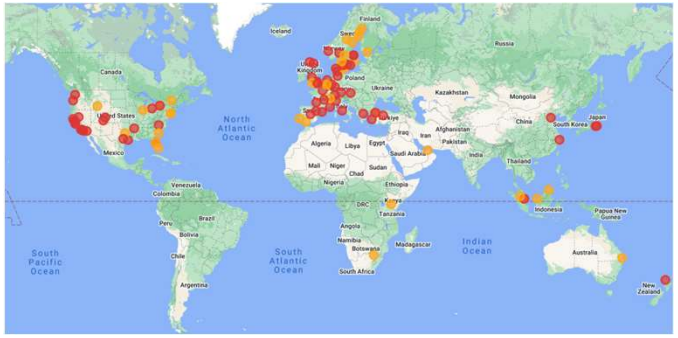
KEY SAF CHALLENGES AND EXPERIENCE IN KENYA



Fuel Pipeline



Kenya SAF progress and collaborations with partners



Kenya Conducted SAF Batch delivery with KQ in 2023

1st SAF Steering Committee meeting on 29th May 2024

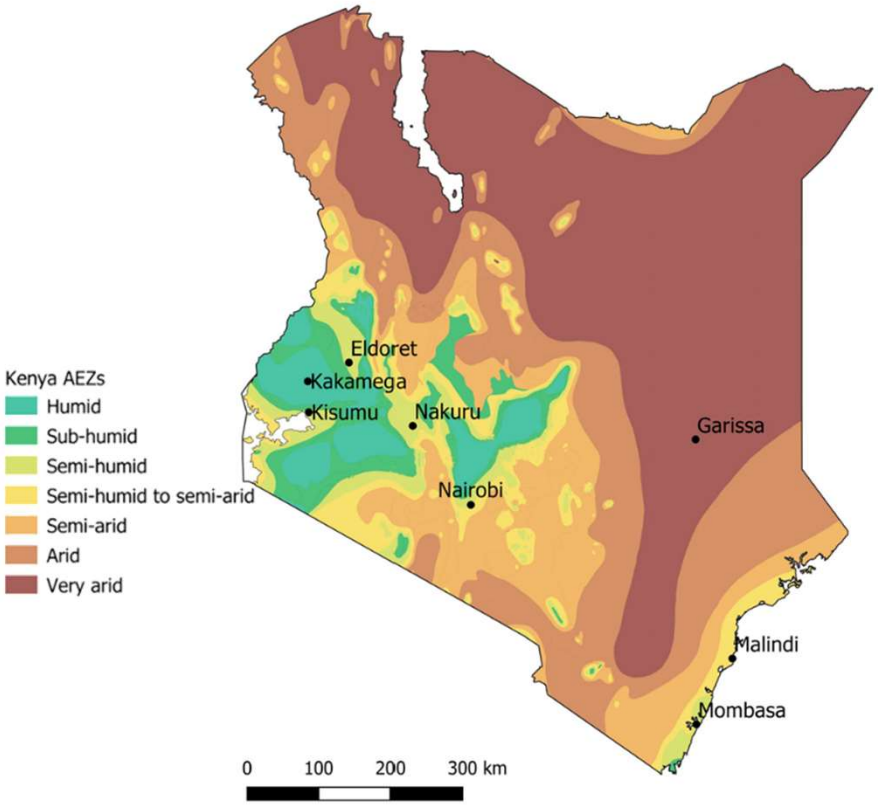
Second workshop and high-level meeting on SAF in Sept 2023

KENYA SAF STEERING COMMITTEE

Co-hosted EASA SAF Regional workshop for Under ACT-SAF for India and Africa On 30th Sept. -2nd October 2024

Co-hosted EASA SAF Kenya Working Session and Annual SAF Workshop in May and November 2025

FEEDSTOCK POTENTIAL



- Currently, there are **dedicated Agrihubs in the country** (e.g. Eni aiming at 70 kta in the short term and with further expansion plan), **and systems for collecting waste fats, oils, and grease** but the total does not yet reach 255kta of vegetable oil production. However, with proper organization and cooperation, this target can be achieved.
- **A robust feedstock supply chain needs to be developed** (national and regional level, e.g. East Africa).
- Further studies are required to **identify suitable cultivation areas and logistics pathways.**
- Potential feedstocks considered in this study include:
  - Castor oil
  - Yellow oleander oil
  - Croton oil
  - Used cooking oil (CORSIA approved)
  - Cottonseed oil
  - Brassica carinata oil (CORSIA approved)
  - (Jatropha oil, CORSIA approved)

Feedstocks need to be certified in CORSIA

HEFA PLANT CHARACTERISTICS

For a defined feedstock mix (e.g. **castor, yellow oleander, croton, brassica carinata, cottonseed, used cooking oil**):

- MSP for WACC 11.9%; **1660–1990 USD/t**
- MSP for WACC 8%: **1560–1850 USD/t** (benchmark for lowest prices)

CO_2 abatement costs are estimated at **275–408 USD/t**, with potential for further reductions through CO_2 capture from steam reforming.

Minimum Selling Price
SAF 70

Capex \ Feedstock price	783 $/t	899 $/t
375 M$	1560-1664 $/t	1697-1823 $/t
500 M$	1720-1825 $/t	1846-1994 $/t
	WACC 8%-11.9%	WACC 8%-11.9%

CO2 abatement costs
SAF 70

Capex \ Feedstock price	783 $/t	899 $/t
375 M$	275-307 $/t	324-356 $/t
500 M$	314-356 $/t	363-408 $/t
	WACC 8%-11.9%	WACC 8%-11.9%

EVALUATION OF THE PROJECT

HEFA is recommended for near-term implementation, with prices that should be competitive for SAF market.

Reference price fossil jet fuel **661 $/t** on 3rd September 2025 in International Kenyan airports. Policy is key to implementation

For a **500 USD fly ticket,** the additional cost of a **10% HEFA blend** that could impact the ticket price **is around 30 USD (~6%).**

	HEFA		PtL
	Scenario I	Scenario II	Scenario III
Total Investment	407 M$	535 M$	~ 2400 M$ + renewable power and DAC installation required
SAF Minimum selling price	1664-1825 $/t	1823-1994 $/t	~5900 $/t
CO2 abatement costs	307-356 $/t	356-408 $/t	1500-1700 $/t

Key Benefits & Opportunities

Environmental benefits in terms of Ghg reductions

Job Creation and rural development through feedstock supply chains and in the refinery

Reducing reliance on fossil fuel imports and improve energy security

Potentially stimulating economic growth through exports

First Move Advantage in Africa and Positing Kenya as a regional SAF hub in East Africa (Growing global & Regional demand for SAF)

Access to international Climate finance and Carbon markets

Skills development and knowledge transfer in refinery operations, logistics and certification

Cobenefits on waste management, soil improvement and circular economy

Serve both biodiesel and SAF market keeping production flexible

Finding Potential partners contributing to project financing

KEY NEXT ACTION

- Feedstock Strategy
- Market and offtake Strategy
- Financial Planning & Risk Management
- **Engineering & Technical Studies**
- **Policy & Regulatory Engagement**

ICAO

KENYA

With **coordinated actions to build a SAF supply chain**, **clear policies**, and sustaine commitment, **Kenya has the potential to become a regional leader in SAF production**, driving both economic growth a climate progress.

Application in the Finvest Portal

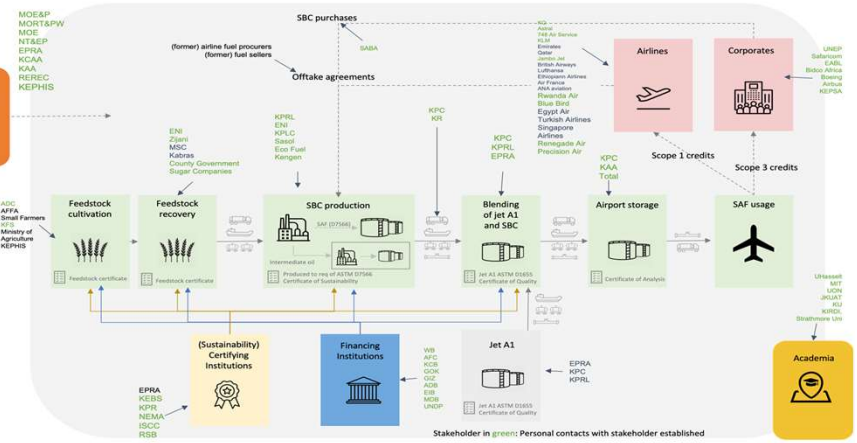
Feedstock Evaluation

Development of Biorefinery with SAF production

Other positive Collaboration & Support

EU-EASA Support
Support by WorldBank under ESMAP
Collaboration under Ascent 93
Application under Aviation Investment Shark Tank
Collaboration with IRENA
Private developer and financial institution

SAF STAKEHOLDER MAPPING



Project Funded by the EU

Action: Stakeholder mapping and collaboration is Key for SAF Implementation

Thank you for your attention!

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