



# 2024 ICAO ENVIRONMENTAL REGIONAL SEMINAR 15 TO 16 OCTOBER 2024, DAKAR SENEGAL

## Road to SAF Development in Kenya

Presentation by

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# CONTENT OF THE PRESENTATION

**KENYA'S STATE ACTION PLAN**

**AVIATION AND ENERGY DOCUMENTS**

**SAF FEASIBILITY STUDY REPORT**

**KENYA SAF TIMELINE TO DATE**

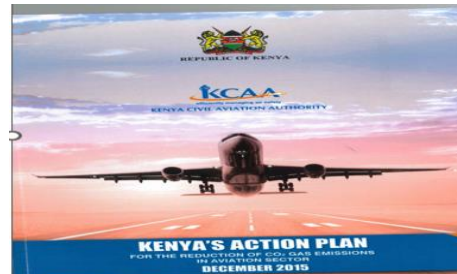
**STATUS ON KENYA SAF STEERING COMMITTEE**

# KENYA'S ACTION PLANS FOR CO2 REDUCTION

Aviation Environmental Working Group (AEWG) created in January | 2012

1<sup>st</sup> Action Plan submitted |  
2012

ICAO - EU Assistance Project | 2014



2<sup>nd</sup> Action Plan Submitted | 2015



3<sup>rd</sup> Action Plan Submitted to  
ICAO | 2022

(2022-2028).

# KENYA'S 3rd ACTION PLAN (2022-2028)

- Prepared and Submitted the Action Plan in **Line with ICAO Resolution A40-18** and sets an aspirational goal to improve fuel efficiency at average annual rate of 2 percent from 2021 to 2050
- ❖ The Action Plan adopted the **five categories of measures**



**Technology and standards**



**Sustainable aviation fuels**



**Operational improvements**



**Market-based measures (CORSA)**

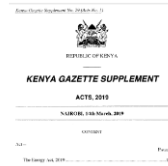
**Airport improvements**



# AVIATION AND ENERGY POLICY DOCUMENTS



Bioenergy Strategy  
2020-2027



Energy ACT 2019



Clean Skies for  
Tomorrow **SAF**  
**Policy** tool Kit



Implementation of  
ICAO Annex 16



ICAO Guidance on  
SAF Policy 2023



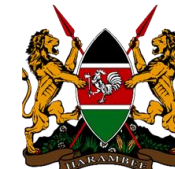
National **Energy**  
**Policy** 2018



Bioenergy **Strategy**  
Action Plan 2023



State Action plan  
for the  
environment



National **Aviation**  
**Policy** 2024



The **SAF Feasibility**  
Report 2018

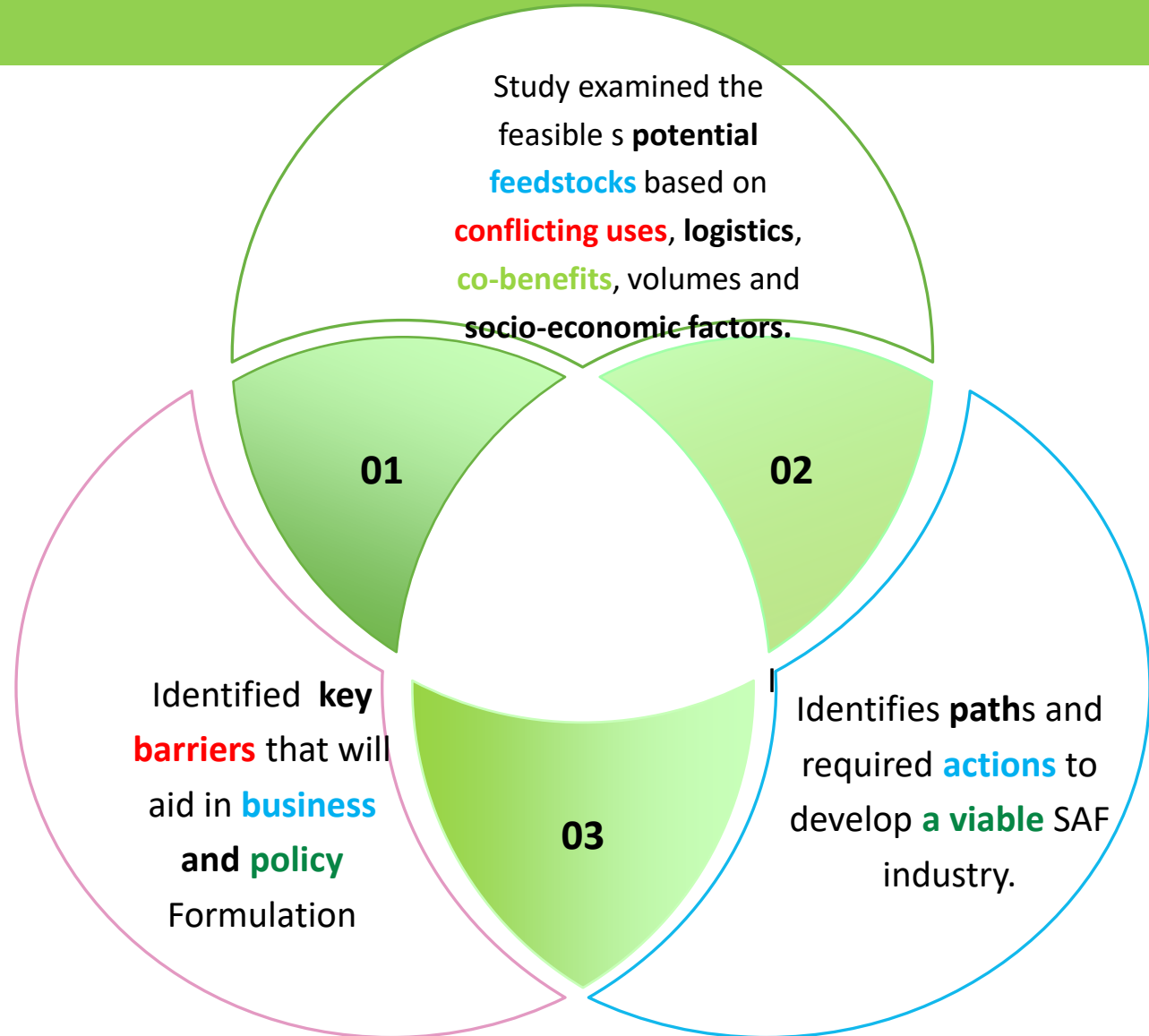


# Results from SAF feasibility Study report

The SAF Feasibility Study was done in 2018 under **ICAO-EU assistance** Project



**KENYA**



# Results from SAF feasibility Study report- Cont....

## SAF STUDY FEEDSTOCK OPTIONS

Used Cooking Oil (UCO)

Molasses

Coconut

Jatropha

Castor Seed

Water Hyacinth

Sunflower

Sweet Sorghum

Cane Tops

Croton Nut

Municipal Waste

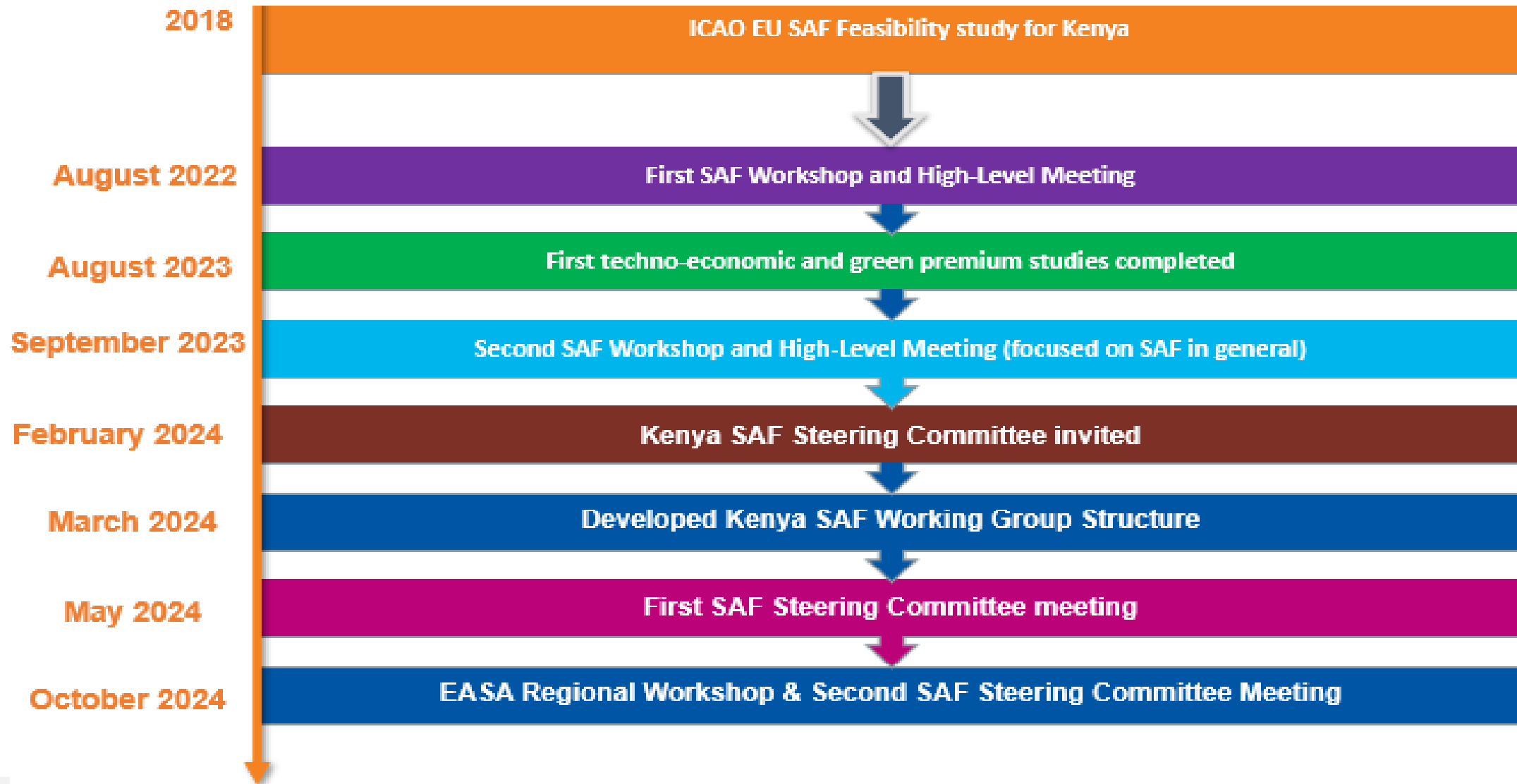
Bagasse

Cassava



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# Kenya SAF Timeline to date





# First SAF Workshop and High-Level Meeting

- ❖ Kenya hosted first workshop on **SAF scaling up** including Power to Liquid in Nairobi on 3<sup>rd</sup> August 2022 in Collaboration with GIZ PtX Hub
- ❖ The workshop brought different partners i.e Government agencies, Airlines, ICAO and international partners
- ❖ The workshop was able to **communicate** and **create** awareness among stakeholders on SAF initiative and deployment.







# 2nd workshop and High-Level Meeting on SAF in Nairobi September 2023



**Second workshop and high-level meeting on the development and deployment of SAF in Kenya held on 11&12 September 2023 – with KCAA, GIZ, Ascent & Partners**

# Main outcomes of high-level SAF meeting in September 2023

**Establish a SAF Steering Committee to advance the efforts for a first SAF facility in Kenya**

**The Steering Committee shall focus on advancing the following items:**

1. Model SAF Finance Case for Kenya
2. Quantify the socio-economic benefits of domestic SAF production in Kenya
3. Develop a Domestic SAF policy
4. Conduct a technical analysis of using the Mombasa refinery, and of blending infrastructure, as well as of domestication of (certification) standards.
5. Development of a SAF Roadmap for Kenya
6. Initiate targeted Capacity Building and Knowledge Transfer

# Status on Kenya SAF Steering Committee

The tentative list of Working Groups encompasses





# Status on Kenya SAF Steering Committee Cont..



1<sup>st</sup> SAF Steering Committee Meeting Held on 29<sup>th</sup> May 2024



# Status on Kenya SAF Steering Committee Cont..



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

Held SAF 2<sup>nd</sup> Steering Committee Meeting on 3<sup>rd</sup> and 4<sup>th</sup> October 2024

# Key Challenges

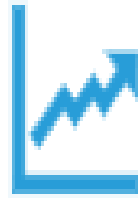
## The following are the Key Challenges:

- Pulling of SAF Finance for Setting up the refinery
- Cost & Competition
- Investment Risk and returns
- Price and Volumetric Parameters
- Feedstock aggregation
- Inadequate experts on SAF production
- Country Risk assessment

# Next Steps- Call for Action through Partnerships



Facilitate cooperation and promote public-private partnerships



Work towards removing barriers to the realization of a cost-competitive SAF market



Promote the global harmonization of sustainability criteria for SAF



Support the development of SAF industry, by de-risking early investments including attracting investment



Implement SAF research programs aimed to expand SAF feedstocks and production pathways



THANK  
YOU

