

# INTRODUCTION TO THE FIRST ECAC GUIDANCE ON SAF SAF BARRIERS AND THE NEED FOR REGULATORY AND POLICY ACTION

Third ECAC Workshop on Sustainable Aviation Fuels  
(SAF-WKSHP/3)

01/03/2023



# THE ECAC/EU SAF TASK-GROUP

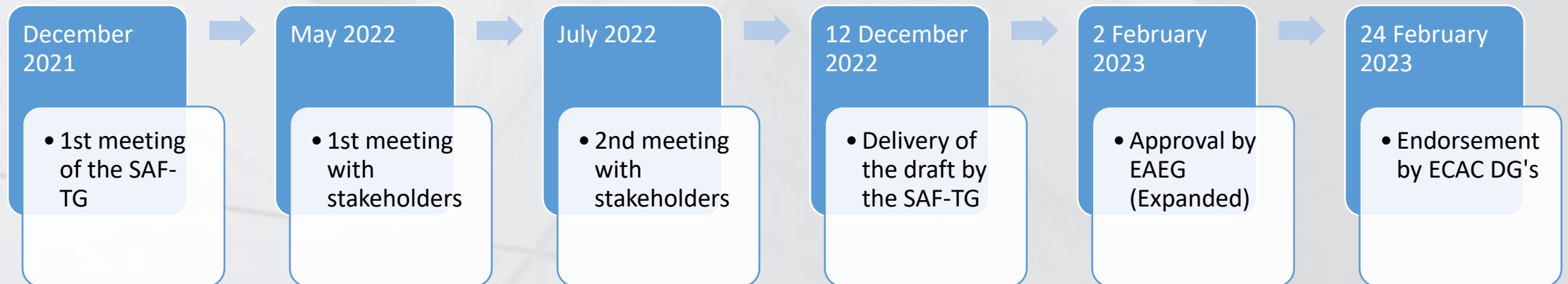
- Formed by 29 experts from 13 ECAC States and three organisations (EASA, EUROCONTROL, and the EC) plus the ECAC Secretariat
- Inmaculada Gómez (Spain) and Magnus Gislev (DG MOVE) as co-rapporteurs

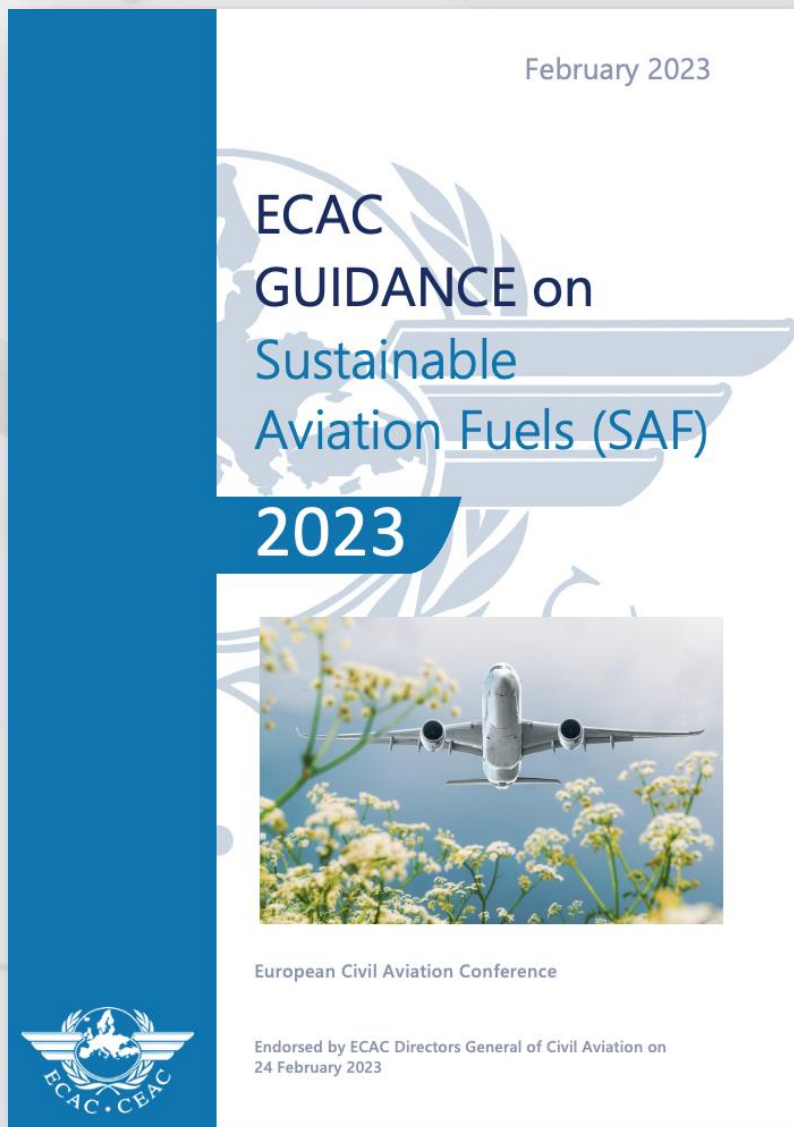




# DEVELOPMENT OF THE GUIDANCE ON SAF

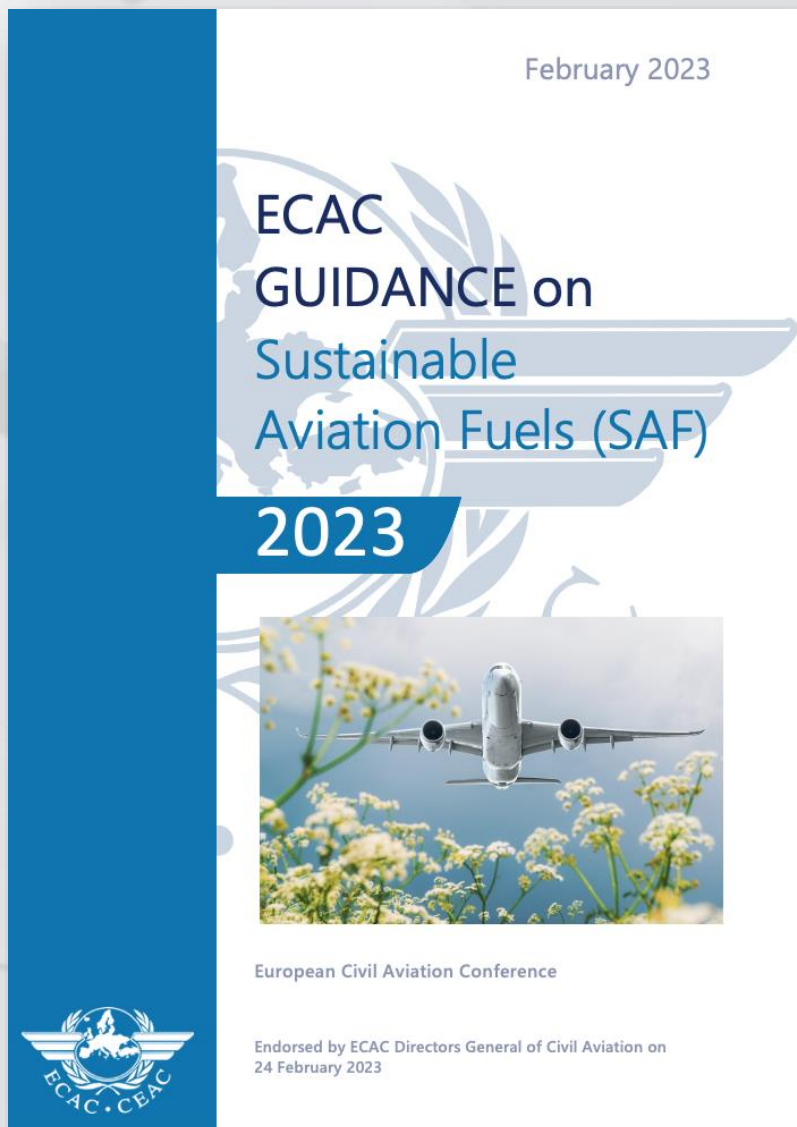
- ✓ SAF-TG had 12 meetings between December 2021 and January 2023
- ✓ Two workshops with stakeholders were held
- ✓ The 44 ECAC DG's endorsed the document on 24 February 2023





# GUIDANCE'S STRUCTURE

- **Section I: Setting the SAF scene**
  - General information on SAF and on the European context
- **Section II: Developing SAF policies**
  - Policy guidance and recommendations to ECAC States' policymakers
- **Section III: Key policy recommendations**
  - Identification of different policy options or combinations of policies



# GUIDANCE'S STRUCTURE

- The Guidance also contains:
  - An **Executive Summary** at the beginning of the document,
  - a final **Conclusion** chapter,
  - a **Glossary** and
  - a **Bibliography**.



February 2023

# ECAC GUIDANCE on Sustainable Aviation Fuels (SAF)

2023



European Civil Aviation Conference

Endorsed by ECAC Directors General of Civil Aviation on  
24 February 2023



## GUIDANCE'S PURPOSES

- ✓ Promote technical understanding;
- ✓ identify SAF potentials and possible barriers;
- ✓ share information about the policy landscape in different European States;
- ✓ provide a wide overview of possible policy options; and
- ✓ provide best practices and key policy recommendations to set harmonised implementation approaches.



## Section I: Setting the SAF scene

### Chapter 2: Barriers and need for regulatory and policy action

- Identification of major challenges to upscaling SAF
  - Arising from **exchanges with stakeholders** via workshops (10 May & 6 July 2022)
- Identification of potential solutions
- Development of recommendations towards more harmonised policies



## Section I: Setting the SAF scene

### Chapter 2: Barriers and need for regulatory and policy action

- Examples of identification of risks and barriers:
  - **Different sustainability criteria schemes (SCS)** under different jurisdictions/regulations
  - Challenges for the **compliance with SAF mandates/requirements under different jurisdictions/schemes**
    - Under some European jurisdictions, -based on regulations for road transport- **the proof of sustainability is not delivered to the aircraft operator** as it needs to be delivered by the fuel provider to national authorities



# Section I: Setting the SAF scene

## Chapter 2: Barriers and need for regulatory and policy action

Feedstock/ programme		EU RED	ReFuelEU	EU ETS	UK SAF mandate	CORSIA
GHG savings threshold		Bio 65% RCF & PTL 70%	Bio 65% RCF & PTL 70%	Bio 65%	50%	10% (ILUC included)
Fossil comparator (gCO <sub>2</sub> e/MJ)		94	94	94	89	89
BIO	High ILUC (indirect land-use change)	Phase out 2030				
	Food & Feed crops	Capped max 7%				
	Low ILUC (indirect land-use change)		*			Can benefit from negative ILUC
	RED Annex IX.A	Sub-target				
	RED Annex IX.B	Capped				
NON BIO	PTL (Power to Liquid)	Sub-target	Sub-target	*		
	RCF (Recycled Carbon Fuels)	Up to MS	*	*		
	LCF (Low Carbon Fuels)	*	*			
	LCAF (Lower carbon Aviation Fuels) -See Glossary-					

Non eligible
Eligible
Eligible capped
Eligible limited

\* provision for inclusion under discussion.

Scheme	EU RED	ReFuelEU	EU ETS	CORSIA	6 <sup>5</sup> SBTi
ISCC Plus					
RSB					
ISCC EU					
RSB EU RED					
ISCC CORSIA					
RSB CORSIA					
Nat. Sust. Schemes*	* National Sustainability Schemes not recognised by the EC for RED certificates are not valid outside the State & limit exports/imports				

Scheme	Scope	Methodology	Units
RED II	Fuel supplier & State	LCA, energy based, no ILUC [ref 94]	CO <sub>2</sub> e/MJ, multipliers
ETS	Aircraft operator	Biomass fraction	tonnes (t) (reporting NCV)
ReFuelEU Aviation	Fuel supplier	SAF fraction	tonnes (t) [+CO <sub>2</sub> e/MJ]
UK SAF mandate	Fuel supplier	LCA, energy based, no ILUC [ref 89]	CO <sub>2</sub> e/MJ
CORSIA	Aircraft operator	LCA, ILUC [ref 89]	CO <sub>2</sub> e/MJ [+tonnes]
SBTi	Scope 3	LCA, ILUC [ref 89]	CO <sub>2</sub> e/MJ [+tonnes]



## Section III: Key Policy Recommendations

- Examples of related recommendations included :
  - *It is strongly encouraged that SAF strategies developed in ECAC Member States will ensure that **SAF complies with globally or regionally recognised robust sustainability frameworks.***
  - ***Harmonisation of compliance requirements across Member States at European level and as much as possible at global level, will help avoiding barriers for SAF deployment and use.***

# SENASA



[WWW.SENASA.ES](http://WWW.SENASA.ES)

2022