



# ReFuelEU Aviation

## SAF: SCOPE3 symposium

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**European Commission**

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European  
Commission

# Policy context

# Public perception: Europe

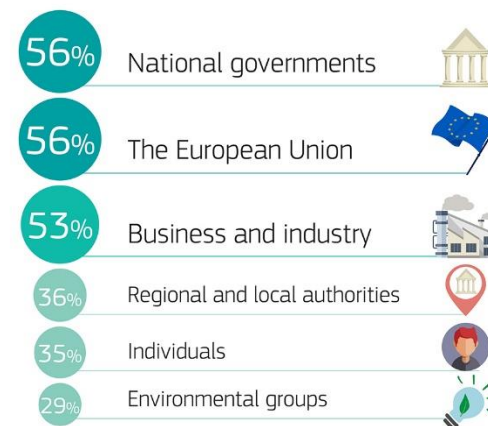
- More than three quarters (**77%**) of EU citizens think **climate change** is a very **serious problem** at the moment
- More than **6 in 10** EU citizens say they have taken action to **fight climate change** over the past six months.

**67% of EU citizens think that their national government is not doing enough to tackle climate change**



The national government...  
is **not doing enough** for **67%**  
is **doing enough** for **23%**  
is **doing too much** for **5%**  
Don't know 5%

**More than half of EU citizens think that national governments and the EU are responsible for tackling climate change**



# Public perception: Europe

## Passengers:

- are **not aware** of aviation footprint

*Only 5% know the share of aviation in CO<sub>2</sub> emissions, most believe it is “around 30%”*

- but are **keen to know** more

*80% are ready to receive environmental information on the aircraft and the airline*

- and to make **more sustainable** choice

*60% are willing to pay 5-10% more for a more sustainable choice*

Source: EASA, Online survey 2019, Updated 2020, 18 European Countries, 9500+ respondents

# Policy context

- Aviation is a **hard to decarbonise** sector, its decarbonisation will rely on the basket of measures.
- Sectoral decarbonisation show **large potential of sustainable aviation fuels (SAF)** in the short and long term.
- Several conversion process exist to produce SAF, however, **current SAF production remain low.**



# Policy context

- European Green Deal:
  - The **EU** to be **climate neutral in 2050**, all sectors to contribute.
  - Reducing **transport** emissions by **90% by 2050**.
  - **ReFuelEU Aviation** to scale up SAF supply and uptake.
- International Civil Aviation Organization (ICAO):
  - A long-term global aspirational **goal for international aviation of net-zero** carbon emissions **by 2050**.
  - SAF global framework with an aspirational goal of **5% emissions reduction by 2030**.





# ReFuelEU Aviation Regulation

# ReFuelEU Aviation: objectives



Foster the **ramp-up** of  
**SAF supply in the Union**



Ensure a **level playing field**  
**in aviation** through a  
**harmonised EU approach**



# ReFuelEU Aviation: scope & obligations



## Aviation fuel suppliers

supply increasing amounts of SAF  
at each Union airport

## Union airports

facilitate access to SAF

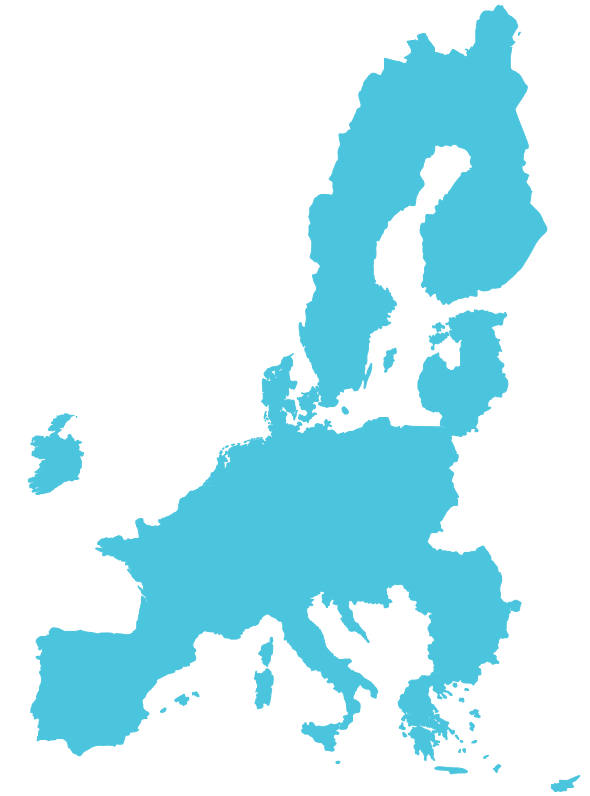
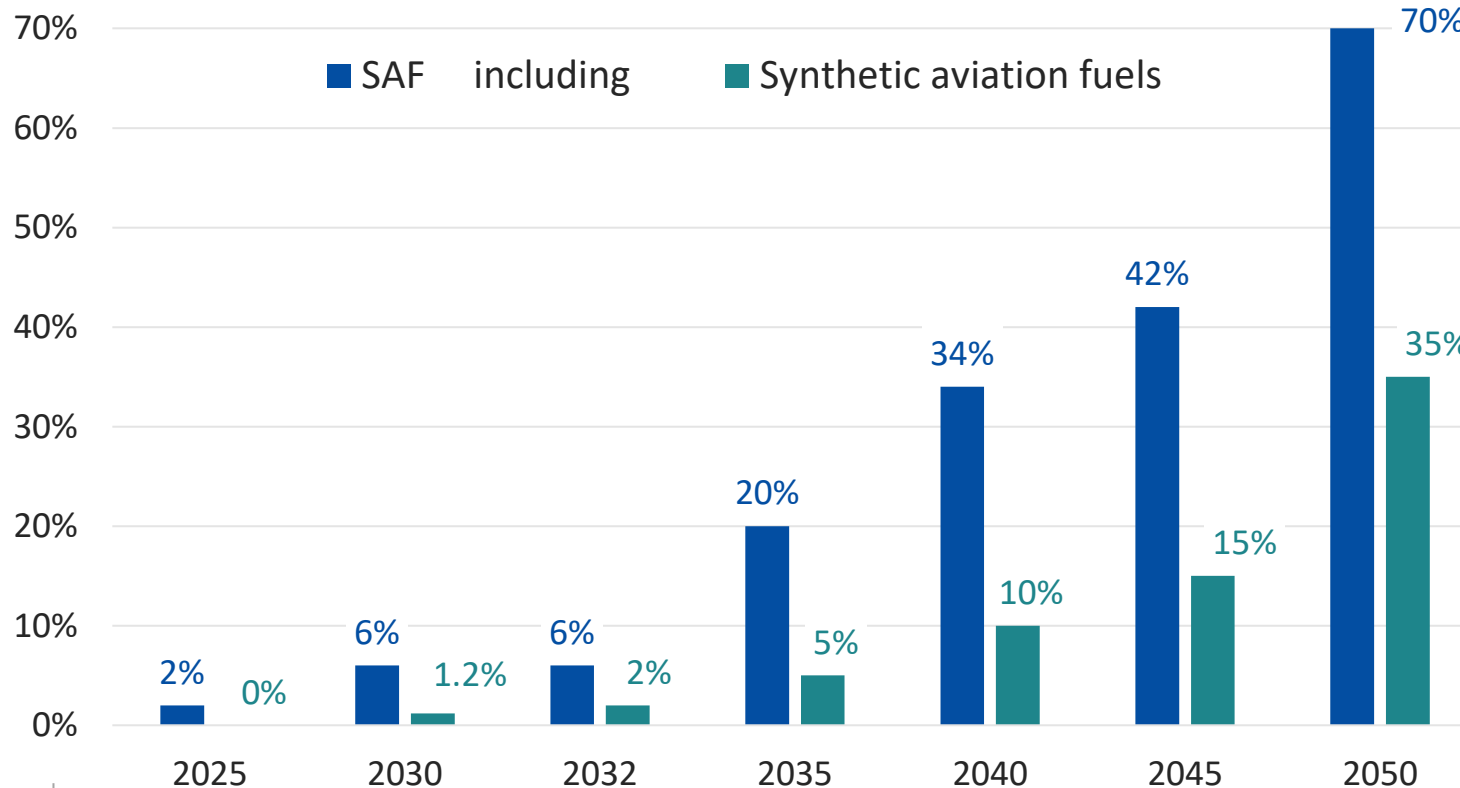
## Aircraft operators

uplift aviation fuels at each  
Union airports without 'tankering'  
practices

# ReFuelEU Aviation: uniform targets



EU-wide uniform binding shares of SAF and synthetic aviation fuels in aviation fuel supplied to Union airports as from 2025



# ReFuelEU Aviation: impacts and benefits



**Climate benefits** from lower SAF emissions



Improved **air quality** around airports



More than **250,000 jobs** and **100+ SAF plants** by 2050



EU harmonised rules reinforcing the **aviation internal market**



Improving Union's **energy security**



*Aviation of tomorrow*



# ReFuelEU Aviation: flanking measures



## Collaboration

Fostering **cross-sectoral collaboration and matchmaking**

Strengthening **global collaboration at ICAO**



## Production

Financing to **de-risk SAF production** at all technology maturity stages

Accelerating **qualification of new SAF pathways** and permitting of **new plants**



## Uptake

**Increasing transparency** on SAF uptake and sustainable investments

**Financing to narrow down the price gap** between SAF and fossils

**Long-term market predictability for SAF scale-up**  
*ReFuelEU Aviation Regulation*



# SAF accounting system & Scope 3 emissions

# SAF flexibility mechanism: upcoming report

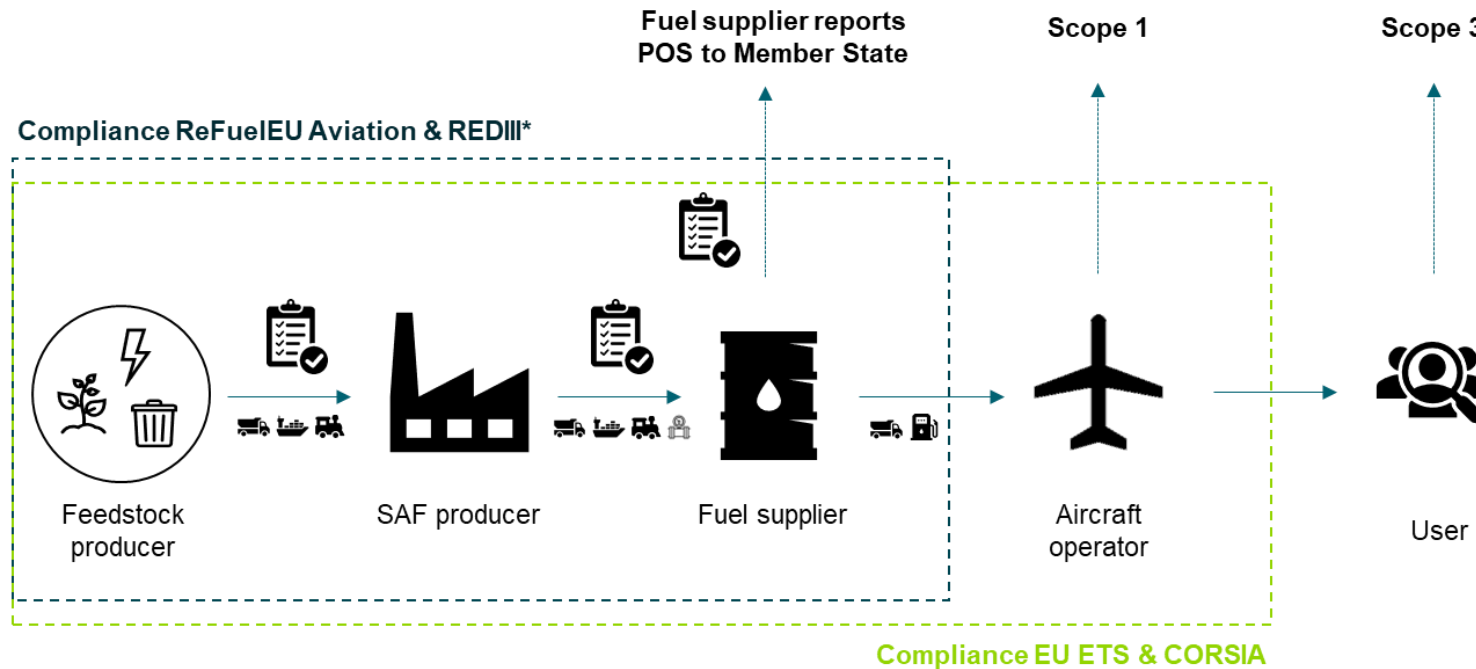


Feasibility study conducted by **Guidehouse**

Deep dive into possible improvements to the **Flexibility Mechanism** in **2024 (e.g. SAF accounting system)**

A **'Book & Claim'** system is currently **neither implemented nor approved** under EU law

# Scope 1 & 3 emissions



**Proof of Sustainability (POS)**

\*Once fully operational transfers of Proofs of Sustainability will be facilitated by the Union database

# Thank you!

