



ReFuelEU Aviation

Session V: Sustainable Aviation Fuel,
LCAF and Cleaner energies

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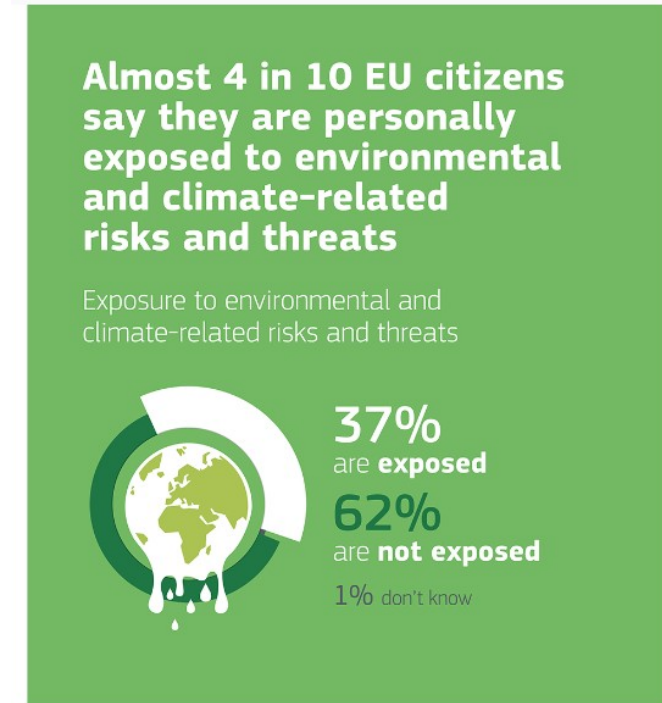
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EU citizens perception: on climate change

More than 70% of EU citizens think that:

- **climate change** is a very **serious problem**
- **taking action** on it **will lead to innovation** and increased competitiveness
- related **cost of damages** is much higher than the cost of investing in a **green transition**

Source: Eurobarometer survey, 2023, 27 EU Countries, 26000+ respondents



EU citizens perception: on aviation footprint

EU passengers:

- are **not aware** of aviation footprint

Only 5% know the share of aviation in CO₂ 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

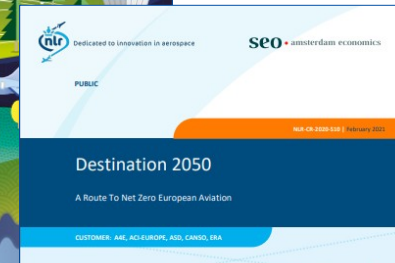
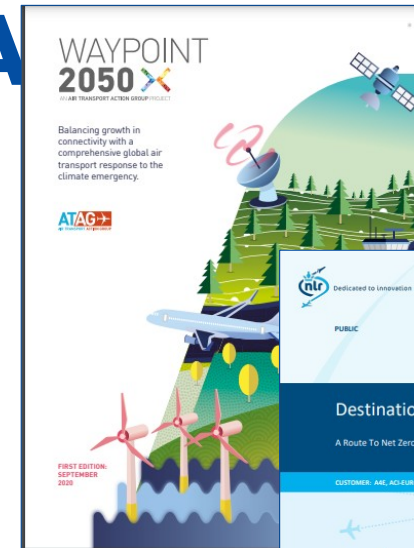
60% are willing to pay 5-10% more for a more sustainable choice

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



Policy context: role of SAF

- 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.**
- **ReFuelEU Aviation** to scale up SAF supply and uptake.



Policy context: EU and

- European Green Deal:
 - The **EU** to be **climate neutral in 2050**, all sectors to contribute.
 - Reducing **transport** emissions by **90% by 2050**.
- 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**.



framework



Collaboration

Fostering **cross-sectoral collaboration and matchmaking**

Renewable and Low Carbon Fuels (RLCF) Alliance



Production

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

Horizon Europe, Innovation Fund, InvestEU, Global Gateway, EU taxonomy



Uptake

Financing to narrow down the price gap between SAF and fossils

SAF Allowances, Emissions Trading System, energy taxation

Strengthening **global collaboration at ICAO**

LTAG, CAAF/3, CORSIA, ACT-SAF

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

EU SAF Clearing House, Net Zero Industry Act

Increasing **transparency** on SAF uptake and supply chain **flexibility**

Environmental label, EU taxonomy, SAF accounting methodology

Long-term market predictability for SAF scale-up

ReFuelEU Aviation Regulation

ReFuelEU Aviation Regulation: objectives



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



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

** Regulation (EU) 2023/2405 of the European Parliament and of the Council of 18 October 2023 on ensuring a level playing field for sustainable air transport (ReFuelEU Aviation)*

ReFuelEU Aviation Regulation: scope & obligations



Aviation fuel suppliers

supply increasing amounts of SAF at each Union airport

Union airports

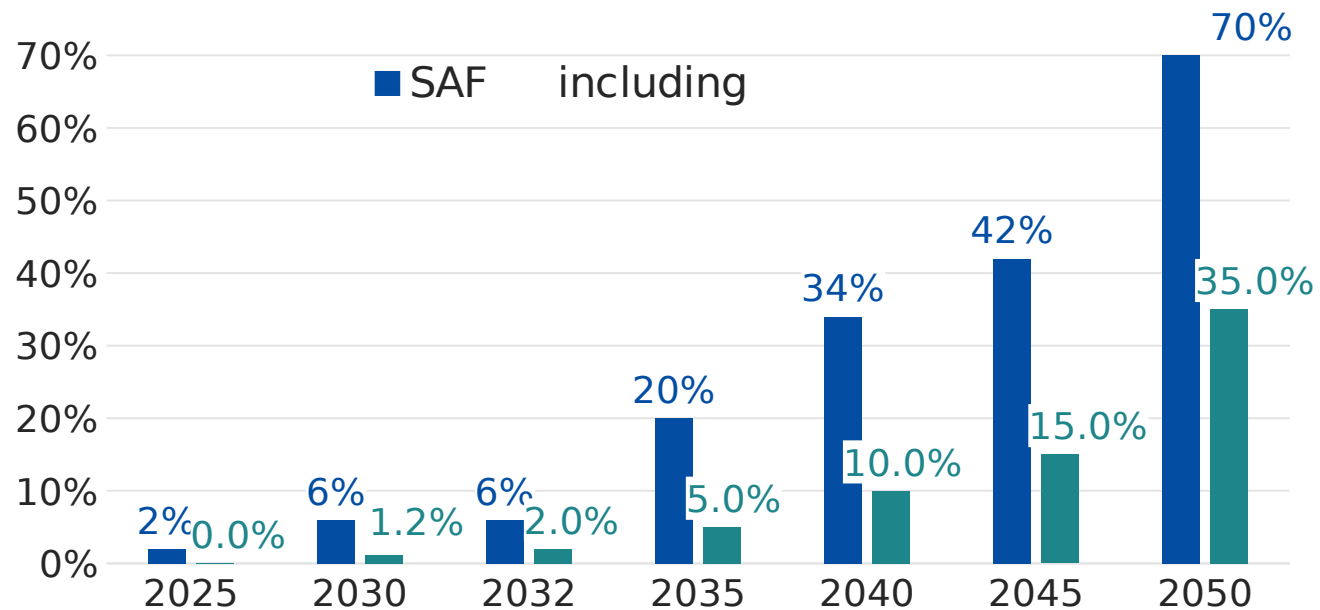
facilitate access to SAF

Aircraft operators

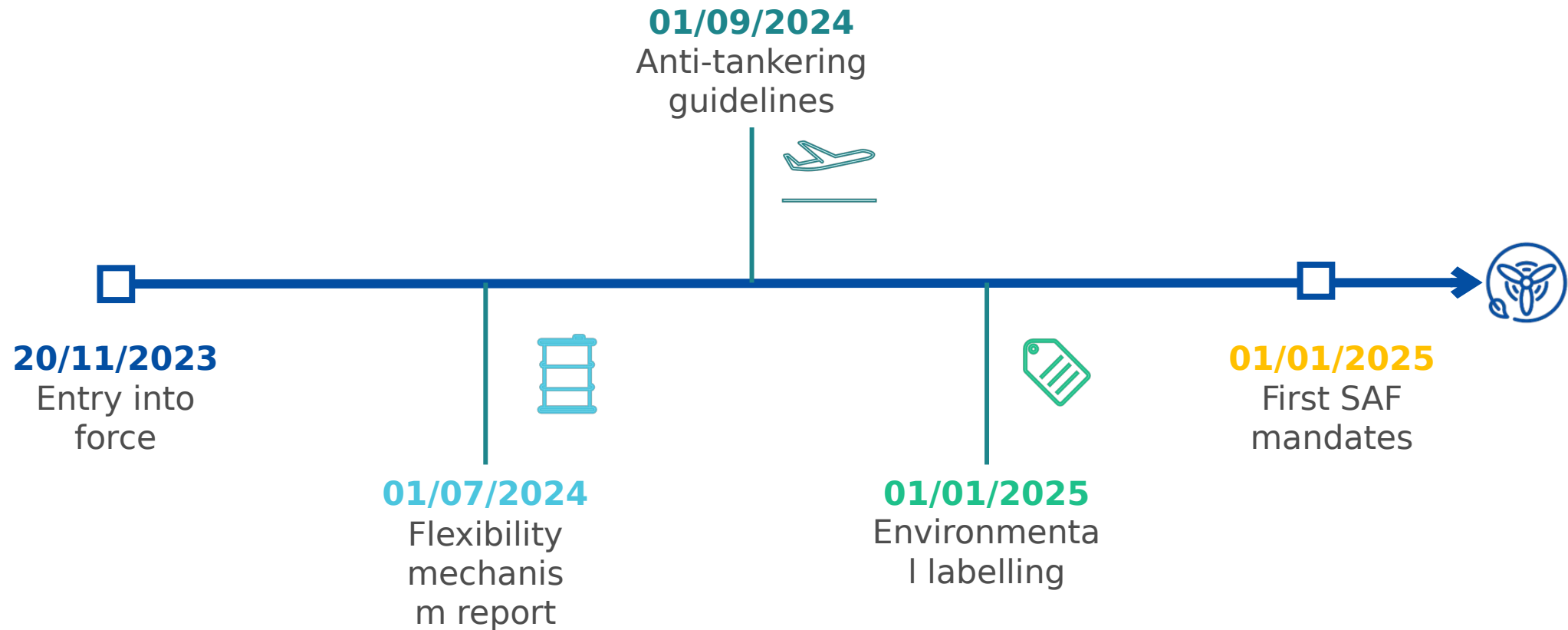
uplift aviation fuels at each Union airports without 'tankering' practices

ReFuelEU Aviation Regulation: uniform targets

- **EU-wide uniform shares** of SAF and synthetic aviation fuels in aviation fuel **supplied** to Union airports
- Supply obligations can be fulfilled with **hydrogen** and **low-carbon non-fossil aviation fuels**



ReFuelEU Aviation Regulation: implementation milestones



ReFuelEU Aviation Regulation: SAF 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 EU **energy security**

← *Aviation of tomorrow* →

Thank you!

