



SUSTAINABLE & SMART **MOBILITY STRATEGY**

SAF in the Context of Fit-for-55

IEA AMF SAF Online
Webinar

1 December 2022

Mobility and
Transport





Fit for 55 package

- Implements European Green Deal.
- Brings EU policy framework in line with climate objective of -55% emissions by 2030.
- 13 initiatives, of which 5 with direct effects on aviation.

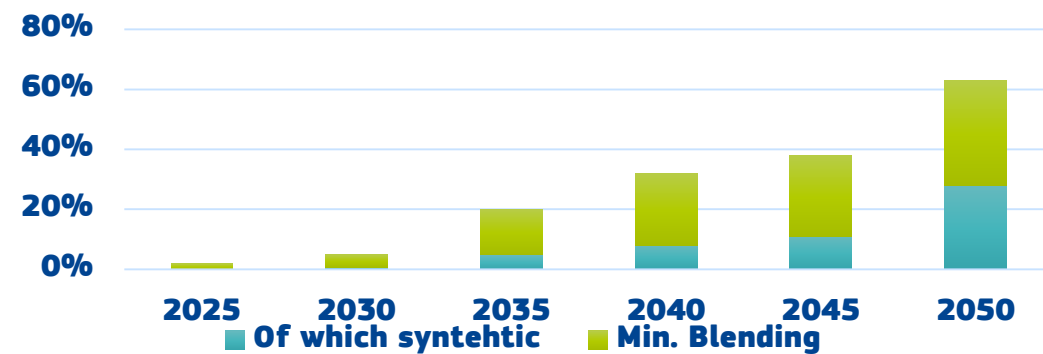
Objectives of ReFuelEU Aviation

- To **accelerate decarbonisation of aviation** with a gradual ramp-up of SAF while maintaining a **well-functioning aviation market**:
 1. Ensure that aviation-specific policy can **ramp-up production** and make **SAF available to airlines** at competitive prices
 2. Guarantee a **level playing field in the aviation sector** allowing for gradual and fair uptake of SAF by all airlines at EU airports

Design of the proposed EU Regulation (1/2)

Ramp-up: ambitious binding SAF targets focusing on innovative, sustainable and scalable fuel technologies:

Total shares (in %)	2025	2030	2035	2040	2045	2050
SAF ramp up:	2	5	20	32	38	63
Sub-mandate on e-fuels	-	0.7	5	8	11	28



Parliament and Council are discussing an eventual slight increase

Eligible SAF: biofuels produced from waste oils and fats, advanced biofuels produced from waste and residues, (i.e. from feedstock listed in Annex IX of Directive (EU) 2018/2001) and synthetic aviation fuels (Power-to-Liquids).

Parliament and Council discuss enlargement of base to recycled-carbon fuels, nuclear-based e-fuels and renewable hydrogen.

Design of the proposed Regulation (2/2)

- **The Regulation applies to:**
 - All air operators flying from EU airports (some exemptions for very low traffic airlines);
 - All EU airports (very small airports exempted);
 - All aviation fuel suppliers distributing fuel at EU airports.
- **The proposed measures include:**
 - Mandate on fuel suppliers to distribute SAF in increasing amounts over time;
 - Obligation on airlines to uplift (SAF-blended) aviation fuel at EU airports (anti-tankering measure);
 - Reporting from fuel suppliers and airlines.
- **Enforcement:**
 - Effective, proportionate and dissuasive penalties to ensure enforcement of obligations on airlines and fuel suppliers. Member States enforce penalties, following methodology prescribed in Regulation.



Supporting measures:

- **Intensify European efforts at ICAO level** to raise global ambition on decarbonisation of air transport through SAF use;
- Creation of the **Renewable and Low-Carbon Fuels Value Chain Industrial Alliance**;
- **Regulatory support** towards SAF update: CORSIA, EU Emissions Trading Scheme, Energy Taxation Directive, Renewable Energy Directive, EU Green Taxonomy.

Renewable and Low Carbon Fuels Industrial Alliance

- Focus on the aviation and waterborne transport sectors, complements the policy objectives of ReFuelEU Aviation and FuelEU Maritime with industrial dimension.
- The goal is to ensure access to renewable and low-carbon fuels.
- The alliance will among others identify a pipeline of R&D and industrial projects in Europe, assess the enabling conditions and availability of funding.
- The alliance is a voluntary collaboration of stakeholders from across the value chain. Membership is open to all organisations, including civil society, financial institutions and public authorities.
- Application is open: <https://ec.europa.eu/eusurvey/runner/rlcf-alliance-declaration>.

RENEWABLE AND LOW-CARBON FUELS VALUE CHAIN ALLIANCE



General Objectives

- TACKLING THE LACK OF **AVAILABILITY** AND **AFFORDABILITY** OF RENEWABLE AND LOW-CARBON **DROP-IN** FUELS FOR **AVIATION** AND **WATERBORNE** TRANSPORT
- RAPIDLY **BOOST** PRODUCTION, STORAGE AND DISTRIBUTION CAPACITY OF THESE FUELS **WITHOUT COMPROMISING** ACCESS OF OTHER TRANSPORT SECTORS



Specific Objectives

- ✓ IDENTIFY PRODUCTION PATHWAYS OF FOCUS (*Objective 1*)
- ✓ IDENTIFY **STRONG** AND **WEAK** POINTS IN THE VALUE CHAINS (*Objective 2*)
- ✓ *FOR AVIATION*: CONTRIBUTE TO THE DESIGN OF THE PILOT PROJECT FOR THE EU SUSTAINABLE AVIATION FUELS CLEARING HOUSE
- ✓ **MAP** AVAILABLE FUNDING OPPORTUNITIES and GATHERING ARGUMENTS FOR ADDITIONAL SUPPORT MECHANISMS (*Objective 3*)
- ✓ LAUNCH A **BUSINESS INVESTMENT PLATFORM** (*Objective 4*)
- ✓ Building synergies with across all transport modes and other alliances (*Objective 5*)



GOVERNANCE

- **GENERAL ASSEMBLY**
TWO CHAMBERS (AVIATION + WATERBORNE)
- **THEMATIC ROUNDTABLES**
- **SECRETARIAT**
- **STEERING GROUP**
INCLUDING THE COMMISSION



OPENNESS

Alliance will be open to:

- **any company** (regardless of ownership or location)
- EU Member States
- All stakeholder groups registered in the transparency register