



Wh-Questions to get to know it better



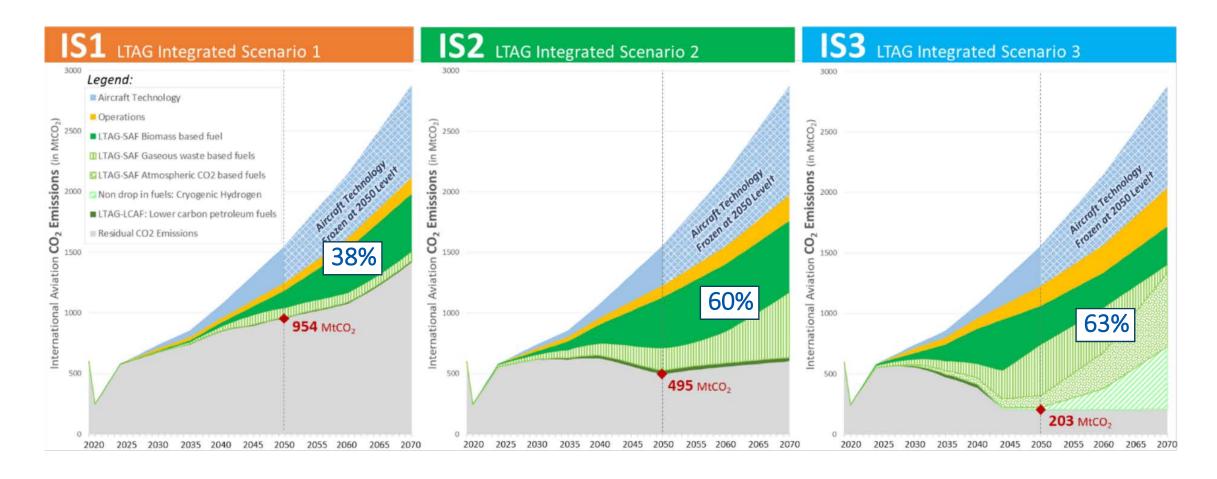




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WHY DO WE NEED SUSTAINABLE AVIATION FUEL?



If we are making such a big deal out of it, it's because it actually is!



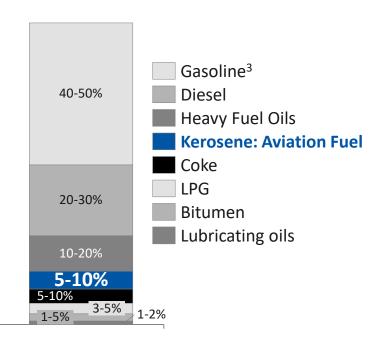
Source: ICAO LTAG Report, March 2022

WHAT IS SUSTAINABLE AVIATION FUEL?

Aviation fuel: only 5-10% of the Oil Barrel

SAF is required to comply with 3 criteria

SAF is a bio-based or synthetic **kerosene** – a minor portion of Oil components





Technical certification

The technical requirements and certifications for the use of commercial aircraft must be met. Since 2009, several SAF production pathways have been approved by IATA under ASTM D7556 & D1655



Sustainability criteria

- Europe: 70% emission reduction vs fossil-based fuel
- USA: 50% emission reduction vs fossil-based fuel

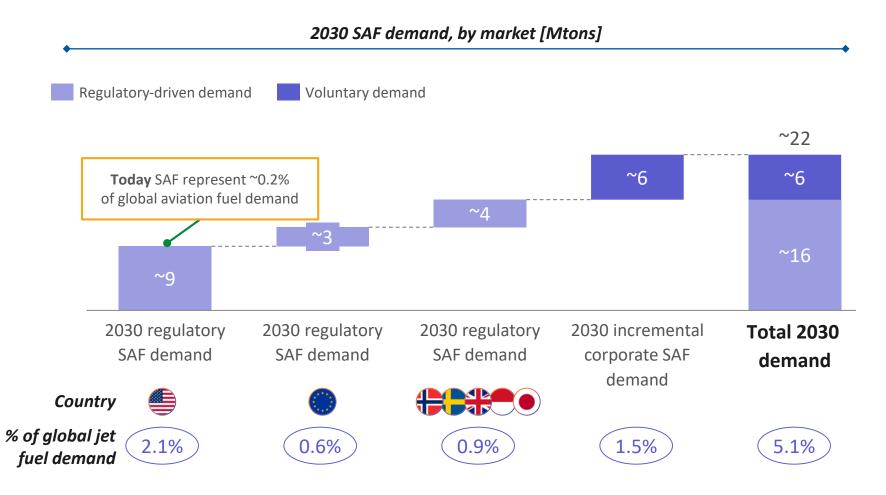


Feedstock

- Recycled carbon or fossil origin RCF
- Non-biological carbon and renewable energy source RFNBO
- Biogenic carbon & energy **Biofuels**



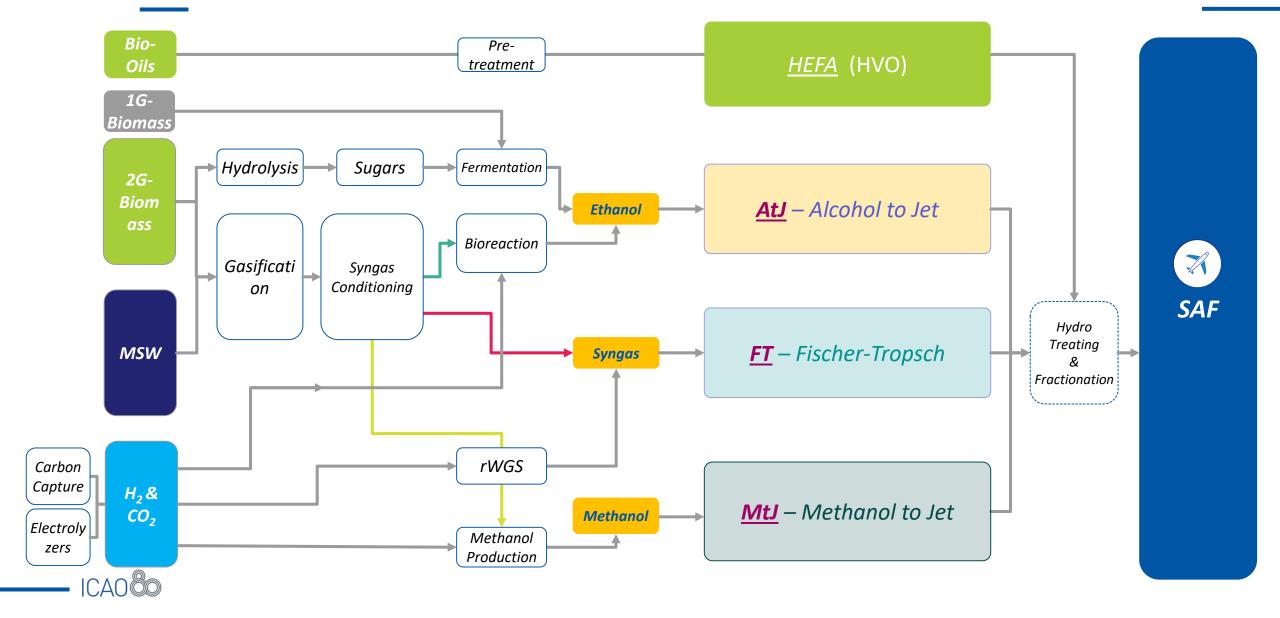
WHEN, WHERE, & HOW MUCH SAF DO WE NEED?





Source: European Commission; US White House; UK Government; ICAO; EIA; IATA.

HOW CAN WE GET THE SUSTAINABLE AVIATION FUEL WE NEED?



WHAT DO I WANT YOU TO TAKE HOME?

✓ SAF is a necessity, not a luxury

✓ We need it sooner rather than later, and as much as we can get.

✓ Not a real global commodity, different regulations and different markets will affect its definition, value, and the way we are going to produce it



Thank You

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