

SAF pocket guide for Corporate Customers

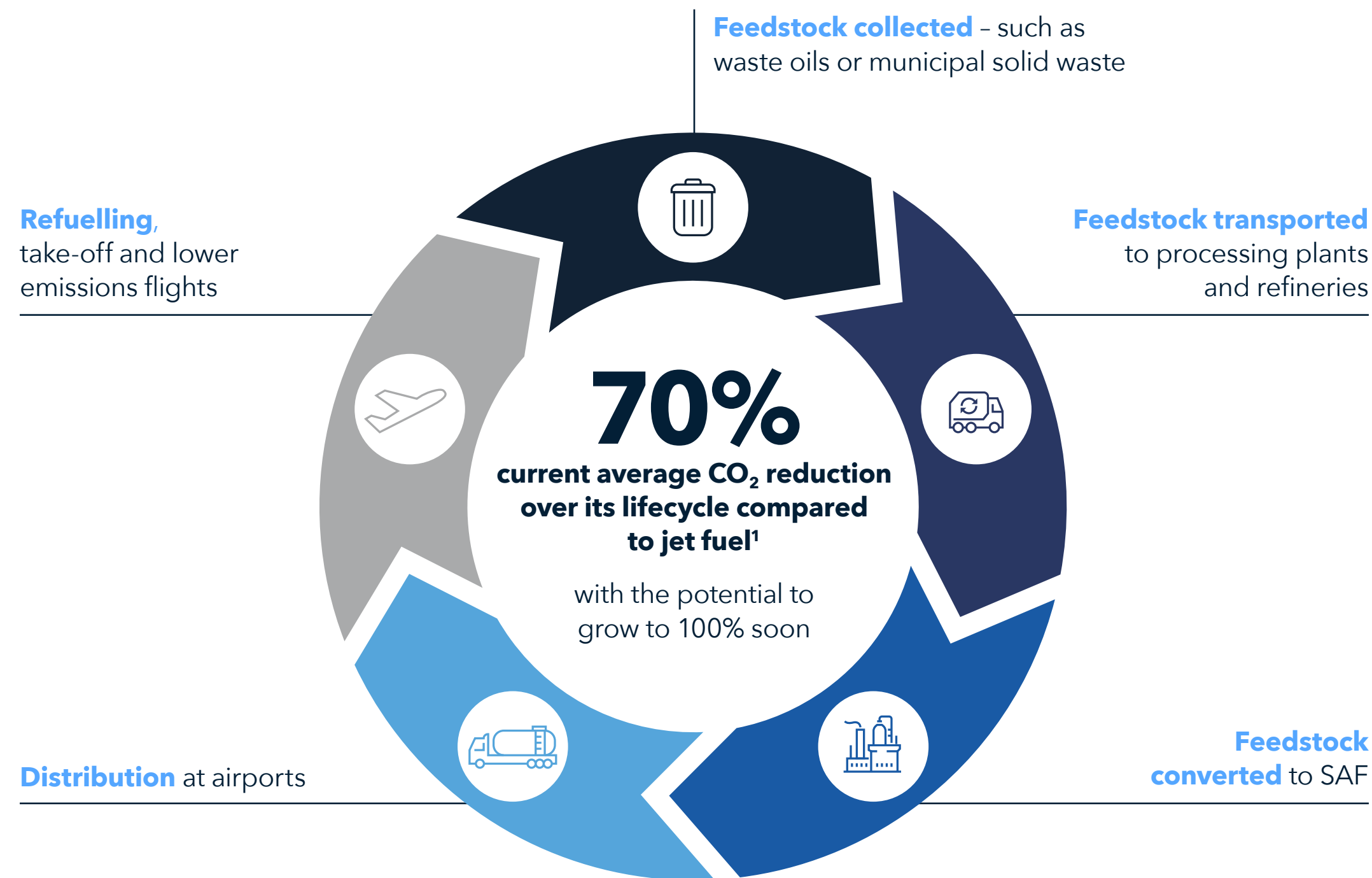


Sustainable
Markets
Initiative

Sustainable Aviation Fuel (SAF) holds the key to decarbonize aviation by 2050.

SAF is a proven drop-in fuel that is being produced today and used in aircraft with no changes needed to the aircraft or infrastructure.

This guide will explain how corporates can help to decarbonize aviation by purchasing SAF for your corporate travels.



STATE OF PLAY OF SAF IN 2022²

450,000 flights

150 million litres per annum

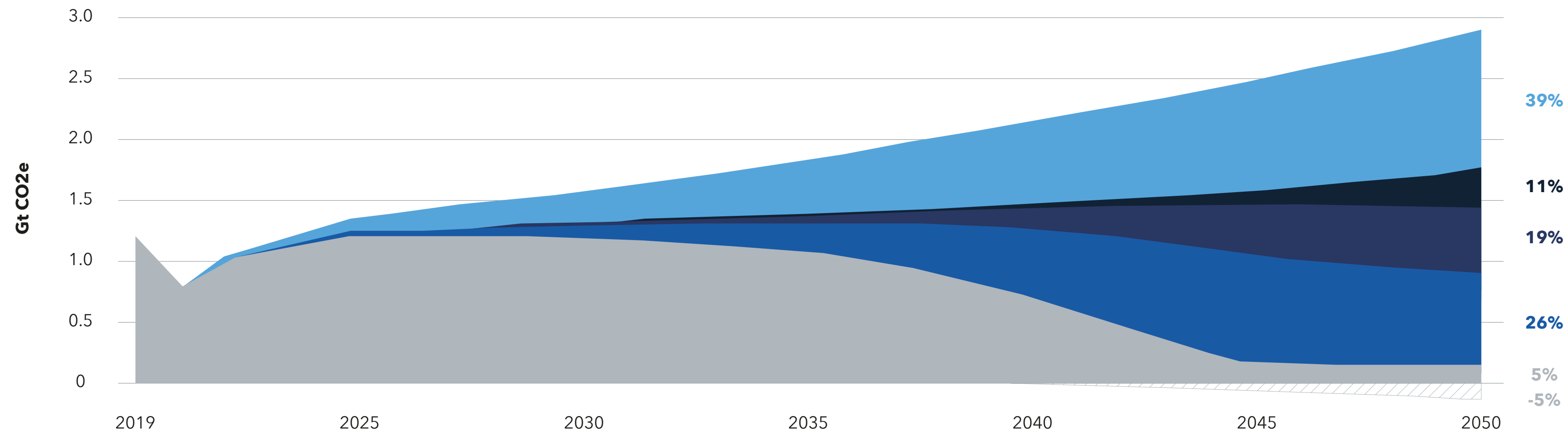
57 airports distributing SAF

\$25 billion in purchase SAF offtake agreements

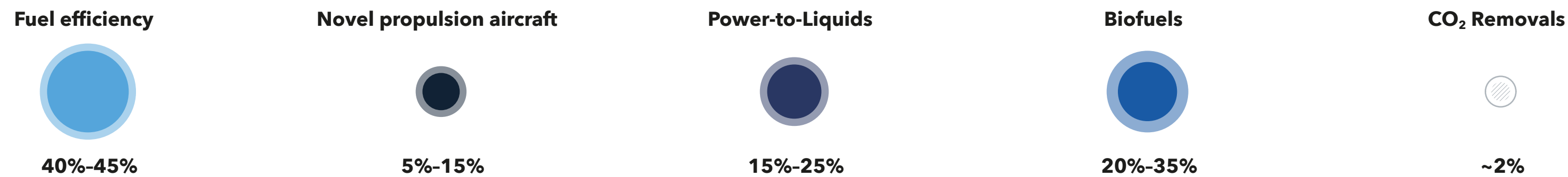
¹ Reduction on overall emissions depends on the type of feedstock and blending ratio

² IATA, Net Zero 2050: sustainable aviation fuels Fact sheet

SAF represents less than 0.1% of global fuel consumption. However, SAF can reduce up to 60% of global emissions. Technology (hydrogen and electric aircraft), and operations will complement more in the long-term.

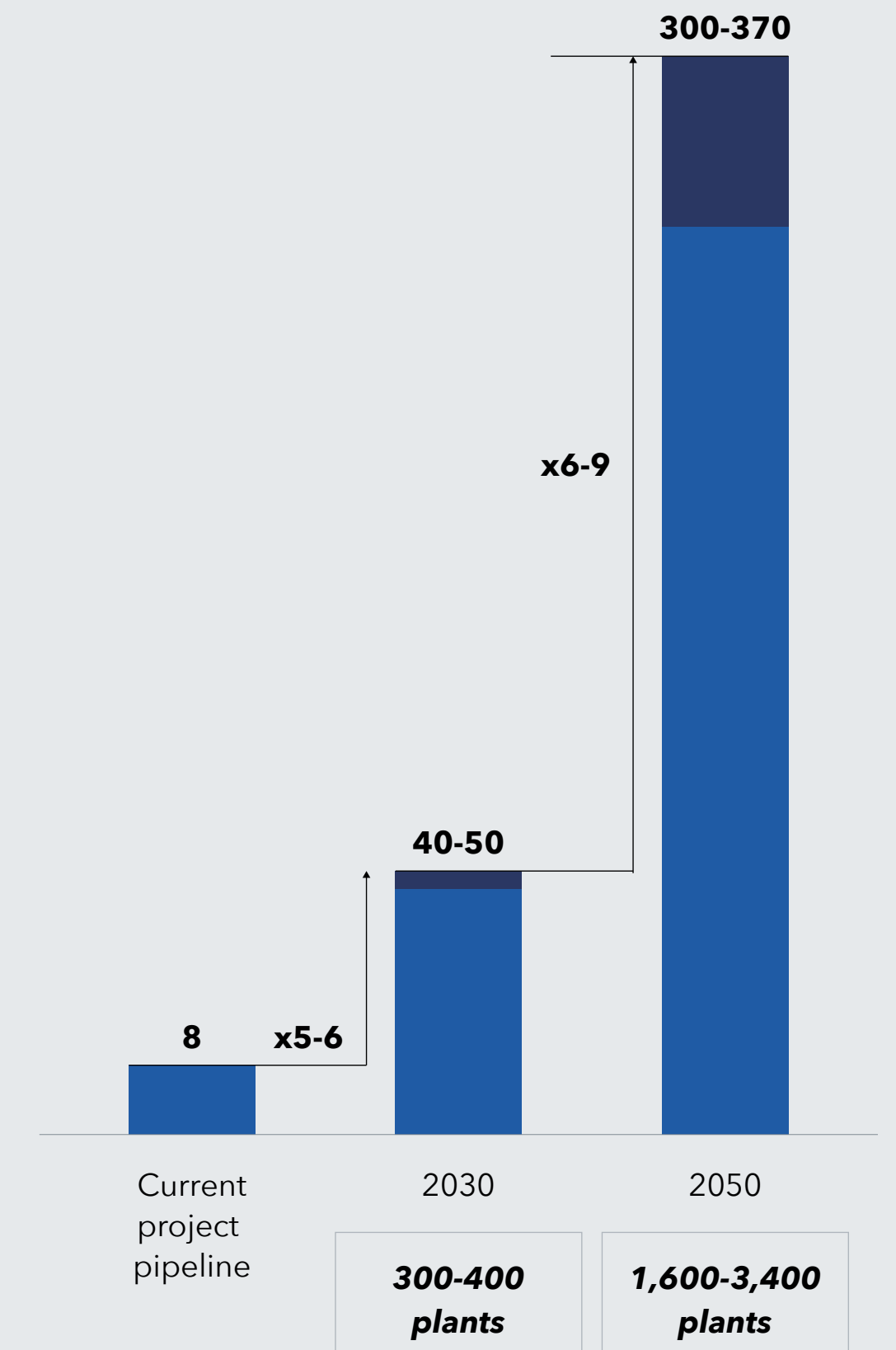


Percentage of cumulative GHG reduction, between 2022 and 2050



Scenario modelled by Clean Skies of Tomorrow (CST) & Mission Possible Partnership (MPP)

SAF production volumes in net-zero scenarios, MT



■ Uncertainty range (dependent on modelled scenario)

Assumed plant sizes: SAF output capacities of 0.3 Mt/y for PtL and HEFA, 0.065 Mt SAF/y for other biofuels.

Source: MPP analysis



WHAT NEEDS TO BE DONE?

1. Scale up SAF production

Leading companies and governments have set the goal for SAF to meet 10% of aviation's fuel needs globally by 2030. At least 300 plants are needed to achieve that.

2. Reduce the cost of SAF

SAF prices can range from two to nine times the price of jet fuel. For airlines to buy SAF and send a demand signal for investment in plants, we need to lower the cost.

3. Clear market signals from governments

To enable investment, governments need to send clear market signals through a mix of mandates and price incentives.

HOW CAN YOU HELP NOW?

You can purchase SAF for your corporate travels

It will signal demand and leadership while other business cases and long-term policy are developed.

Learn how you can purchase SAF. Go to our buying options >

Understanding Tracking and Verification Options

Mass Balance

Environmental attributes are carried with the physical fuel.

The SAF volume is physically measured before it is blended with the conventional fuel and added to the supply chain.

The original SAF volume is documented in every step of the supply.

Mass-balance tracking provides assurance that SAF delivery occurs and is also used to document that fuel certification and safety requirements are executed.

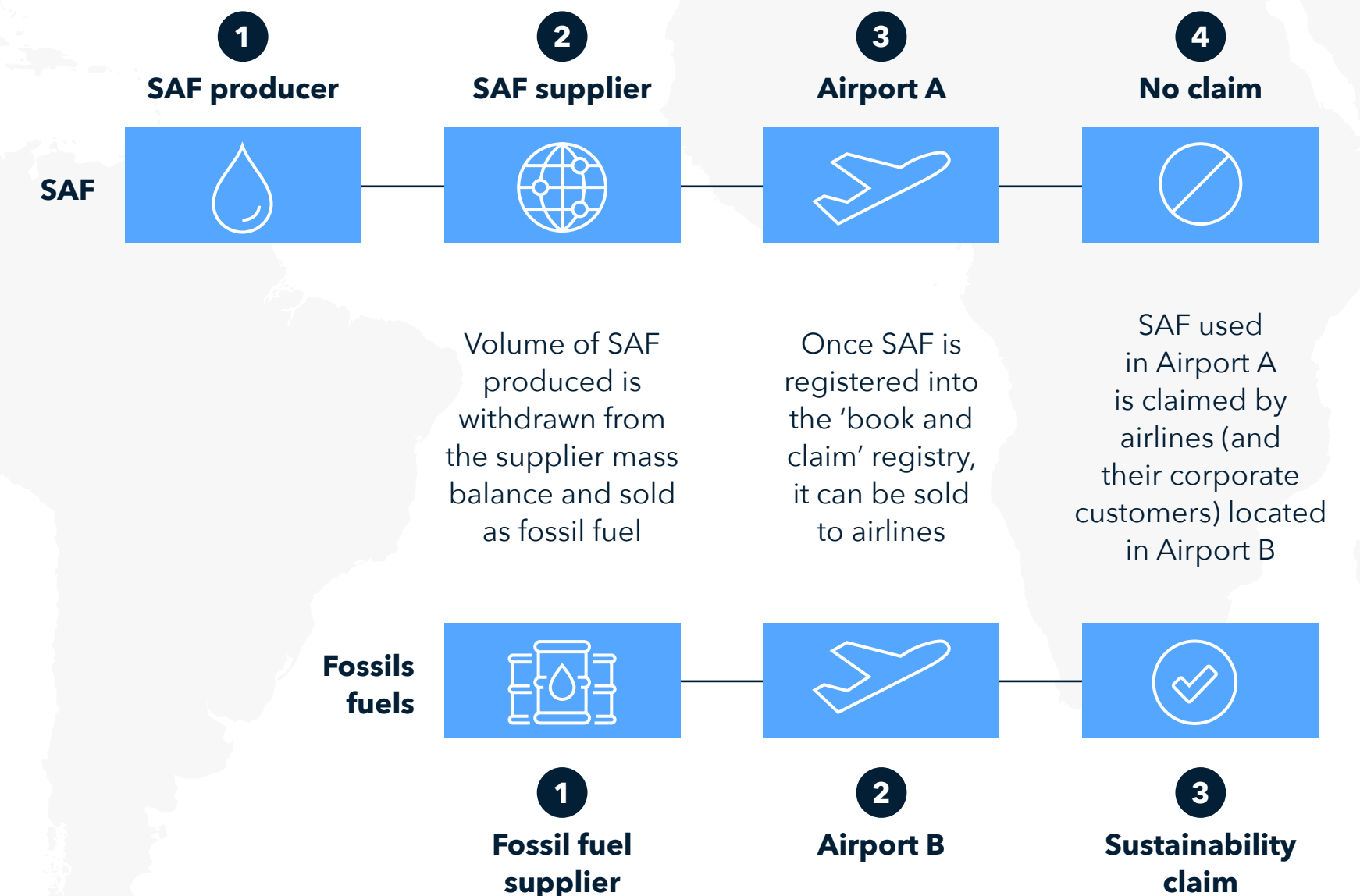
Book and Claim

Sustainability attributes are 'de-coupled' from the sale and transport of the physical fuel and tracked as SAF certificates.

'Book and claim' is a solution that allows airlines to purchase SAF without being geographically connected to a supply site, and to further transfer its sustainability attributes to their cooperates associates.

A robust chain of custody certification that guarantees full traceability and avoids the risk of double counting is therefore essential. Book and claim methodology is already in use in other sectors such as renewables, with the Guarantees of Origin (GO) in Europe or the Renewable Energy Certificates (REC) in USA. The Clean Skies for Tomorrow initiative, in collaboration with RMI and PwC Netherlands have recently launched the Sustainable Aviation Fuel Certificate (SAFc) Emissions Accounting and Reporting Guidelines¹. These guidelines propose a consistent and transparent book and claim methodology to account for the carbon benefits of SAF across the value chain including recommended accounting calculation methods and reporting procedures, for five key "personas" representing SAF suppliers, airlines, corporate travellers, private aircraft owners and operators and freight operators.

The Clean Skies for Tomorrow initiative has recently launched the Sustainable Aviation Fuel Certificate (SAFc) Emissions Accounting and Reporting Guidelines¹.



¹ <https://www.weforum.org/whitepapers/sustainable-aviation-fuel-certificate-safc-emissions-accounting-and-reporting-guidelines>

Buying options

Identify which option is aligned with your business needs and targets

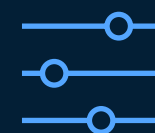
Key considerations before purchasing



Feedstock type



Where does my SAF come from?



GHG intensity
(each SAF has a different GHG LCA reduction)

1. Airlines

Some airlines have launched **programs to allow their corporate costumers buy SAF**, stimulating demand while enabling companies reduce their Scope 3 emissions.

SAF producers provide airlines SAF certificates equal to the total amount of SAF purchased.

The airline then split the SAF certificates among the participating companies.

MASS BALANCE

2. SAF Producers / Retailers

Some SAF producers now provides firms with an option of reducing air transport emissions through **direct SAF purchase**.

Programme members select and commit to pay for an annual SAF volume based on their targets, with the SAF producer fronting the SAF premium to secure the product.

All delivery and emissions claims are verified by an independent third party auditor, with each member receiving an annual impact report.

HOW DOES IT WORK



BOOK AND CLAIM

Buying options *(continued)*

Identify which option is aligned with your business needs and targets

3. Buyers Alliance

Alliance of corporates to **aggregate demand for SAF and accelerate standardization.**

HOW DOES IT WORK



BOOK AND CLAIM

¹ <https://www.weforum.org/whitepapers/sustainable-aviation-fuel-certificate-safc-emissions-accounting-and-reporting-guidelines>

This pocket-guide will be supplemented soon with further information on:

- Considerations for purchasing SAF - including feedstock types and sustainability criteria
- Some of the different platforms and providers available to purchase SAF, to help make it easier for you

