



Sustainable Aviation Fuel @ Microsoft

An overview of SAF projects and our learnings to date

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“At a time when many are calling attention to the role technology plays in society, our mission remains constant.

It grounds us in the enormous opportunity and responsibility we have to ensure that the technology we create always benefits everyone on the planet, including the planet itself.”

- Satya Nadella



Forging a path to carbon negative



Nearly eliminate direct emissions by 2025

Reduce Scope 3 emissions by half by 2030

Remove historical carbon emissions by 2050



Our Travel Sustainability Priorities



Reduce
Carbon emissions through
trip reduction & optimized
travel



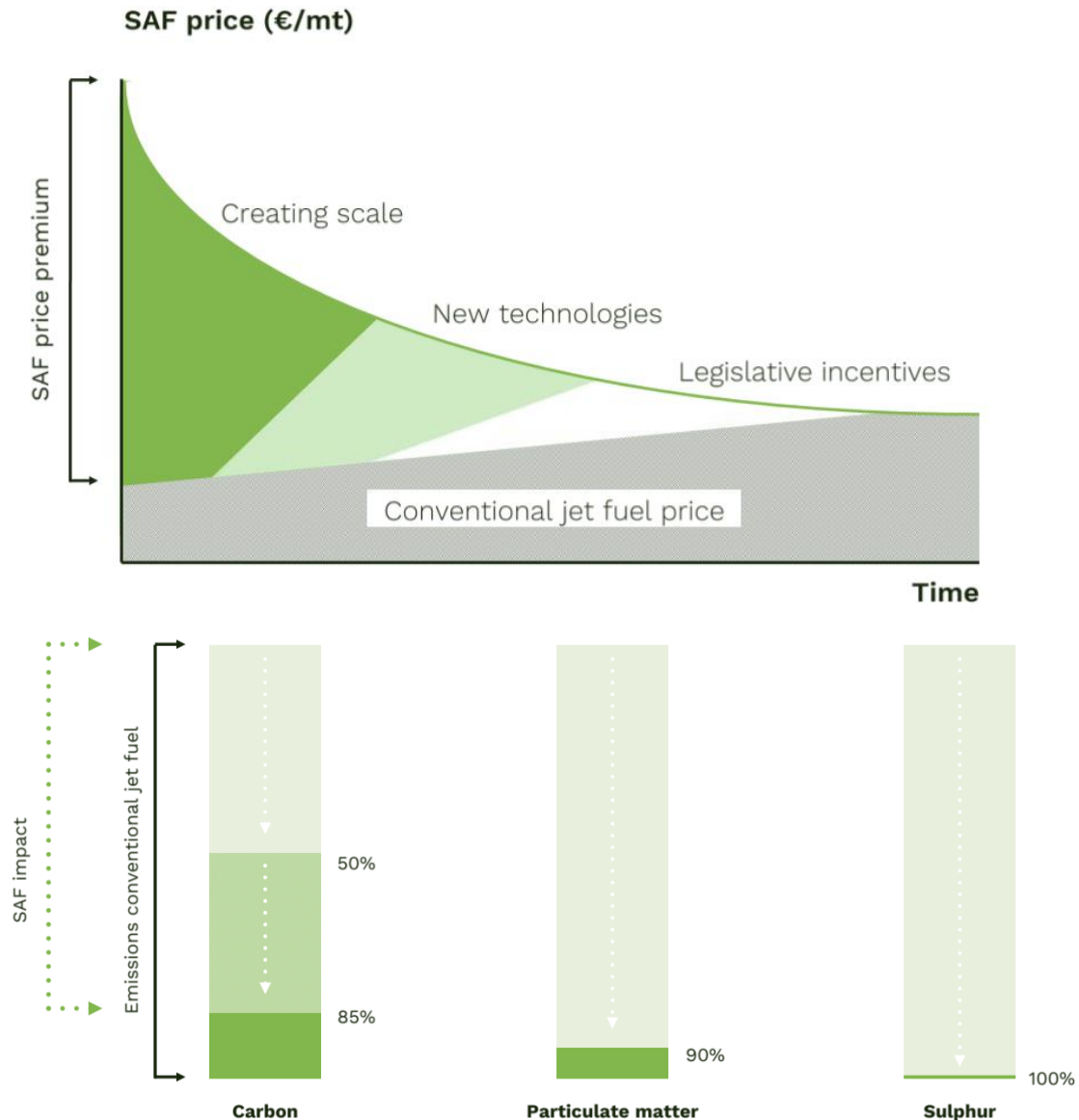
Replace
Fossil fuels with sustainable
alternatives



Remove
Carbon from the
atmosphere

Why SAF?

- SAF is an accessible and achievable approach to air travel decarbonization, a key to enabling 'in-sector' carbon reduction – a credible alternative to offsetting
- A SAFc Credit has the potential to offer a direct mechanism to reducing air travel emissions that can be decoupled with a suppliers own, often less ambitions, ambitions. Separating OR combining scope 1 and 3 emissions
- Production requires demand from numerous stakeholders. Corporate investment can further improve SAF economics
- SAF investment can raise sustainability consciousness among travelers



Sustainable Aviation Fuel Criteria

Supporting the increased production of SAF through investment comes with a responsibility to ensure that sustainability standards are met and maintained, and that any investment supports the further development of policies that will enable positive market growth.



Feedstock

The fuel should contain no linkage to palm oil or palm oil derivatives, e.g. fatty palm oil residue – RSB certification (both operations and feedstock) provides first level independent verification



Land use

The fuel should contain no linkage to forest/ecosystem destruction



Additionality

Using Renewable energy power purchase agreements as a template, any SAF must exceed volumes and GHG emissions reductions required by law, regulation or legally binding mandate.



Double Counting

Endorsing the [Katowice Declaration on Sound Carbon Accounting](#) and calling for basic integrity in carbon accounting for the aviation sector



Transparency

The fuel should have a transparent and auditable traceability system along the full supply chain

SAF timeline

KLM Microsoft Partnership

[KLM and Microsoft join forces to advance sustainable air travel](#)

October 2019

SABA Founding member

[EDF, RMI and Major Companies Launch Alliance to Drive Aviation Decarbonization | Environmental Defense Fund](#)

April 2021

October 2020

Alaska Airlines, SkyNRG and Microsoft

[Alaska Airlines and Microsoft sign partnership to reduce carbon emissions with flights powered by sustainable aviation fuel in key routes - Stories](#)

