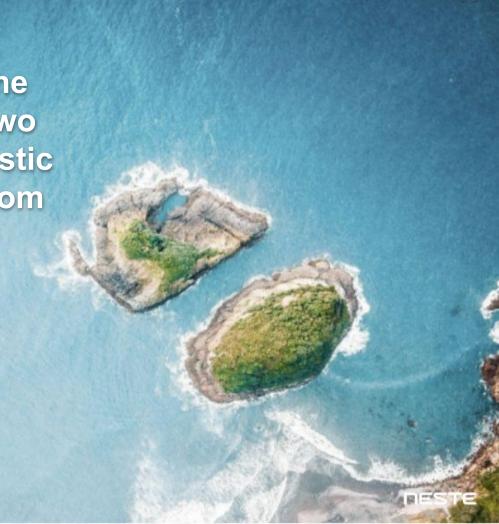


EUROCONTROL Conference: Where to Next for European Aviation?

Thorsten Lange - Executive Vice President, Renewable Aviation, Neste Brussels, Belgium, 04.10.2022

"The world is set to reach the 1.5°C level within the next two decades. Only the most drastic cuts in carbon emissions from now would help prevent an environmental disaster." IPCC Report 2022







Aviation has committed to achieving net-zero emissions by 2050

- Aviation accounts for 2-3 % of global carbon emissions growing to >20%
 by 2050 if action not taken
- In addition, non-CO₂ effects, like contrails, have an approximately 3 times higher climate impact than CO₂ emissions alone
- Sustainable Aviation Fuel (SAF) has been identified as one of the key elements in helping achieve these goals
- Despite the pandemic and geopolitical challenges, the outlook for SAF is increasingly clear





Neste's Sustainable Aviation Fuel capacity will reach 1.5 Mt by end of 2023, and 2.2 Mt by 2026

2019

100 kton SAF

total global production capacity

2023

1.5 Mton SAF

total global capacity through investments in Rotterdam and Singapore 2026

2.2 Mton SAF

total global capacity through further investments in Rotterdam **Beyond**

Continuing growth with current and new technologies

Neste's SAF growing availability globally, both through Neste's own network of airports and through distributors



























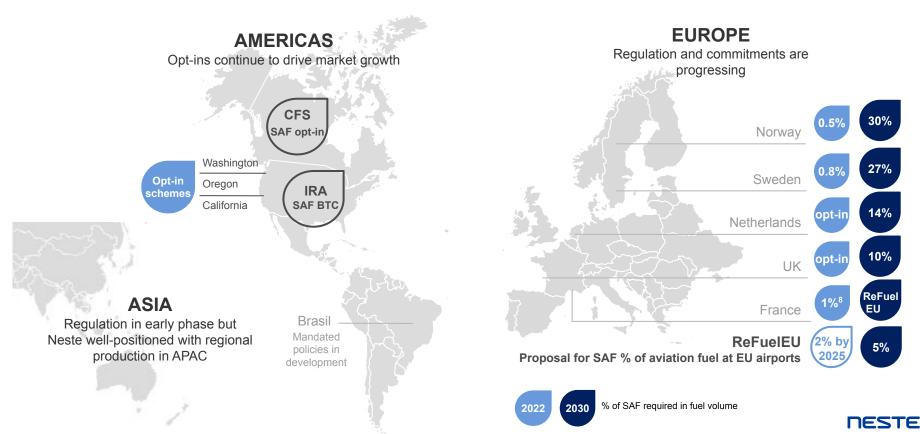






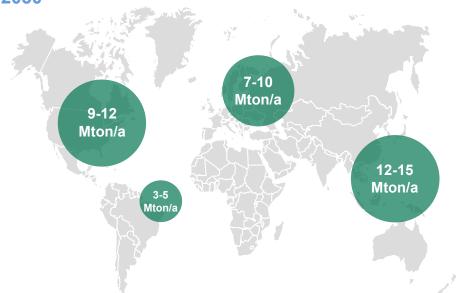


Strong growth in sustainable aviation fuel market with opt-in schemes, incentives and SAF mandates



Global potential of waste and residue oils and fats amounts to ca. 40 Mton/a by 2030

Regional split of waste and residues availability in 2030

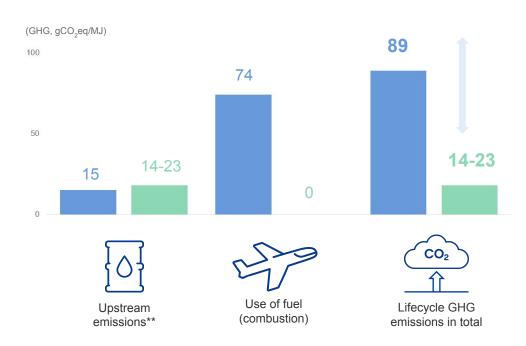


Feedstock categories with substantial growth potential beyond 40 Mton/a

- Novel vegetable oils¹, algae oils
- Lignocellulosics and municipal solid waste enabled by new technologies
- Raw materials enabled by Power-to-X technologies



SAF can reduce the GHG emissions up to 80%* over the lifecycle compared to fossil jet fuel



NESTE MY

Sustainable Aviation Fuel

Made from

100%

waste and residues, such as used cooking oil

Drop-in solution requiring

zero

additional investment in infrastructure

available today





The fuel lifecycle extends from raw material extraction to the consumption of the fuel.

^{*} According CORSIA LCA methodology

^{**}Production of feedstock, transports, refining

The time for action is now!



