

CORSIA Lower Carbon Aviation Fuel

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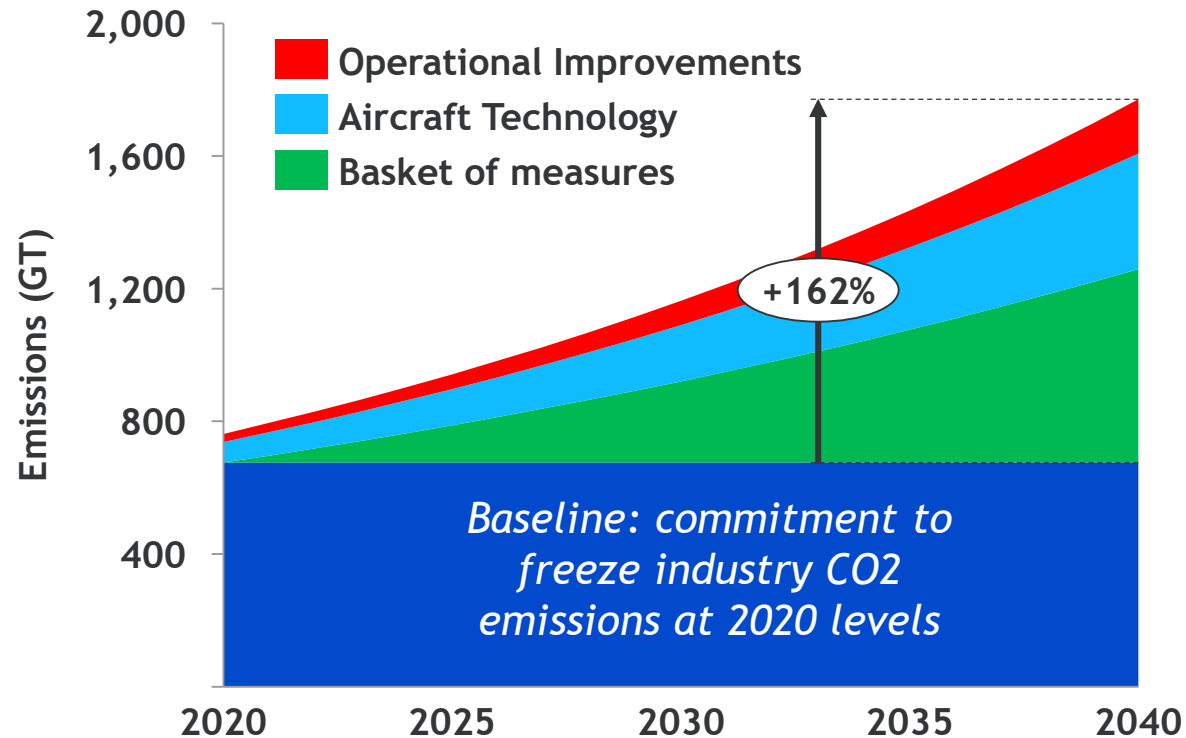
Objective

Introduction to CORSIA Lower Carbon
Aviation Fuel

Carbon Offsetting and Reduction Scheme for International Aviation (CORSIIA)



Significant efforts required



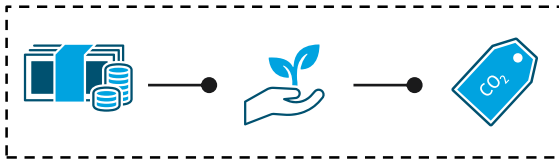
A scheme intended to offset annual increase in CO2 emissions from international civil aviation

Basket of measures under CORSIA

1

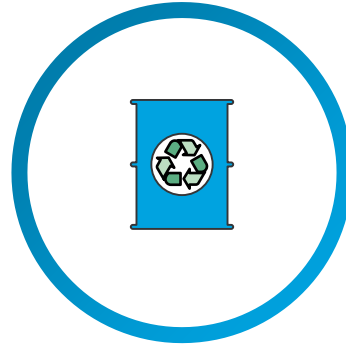


Offsets



ICAO Approved Offsetting Programs

2



Sustainable Aviation Fuels (SAF)



Conventional Biofuels



Advanced Biofuels



E-Fuels

3



Lower Carbon Aviation Fuel (LCAF)



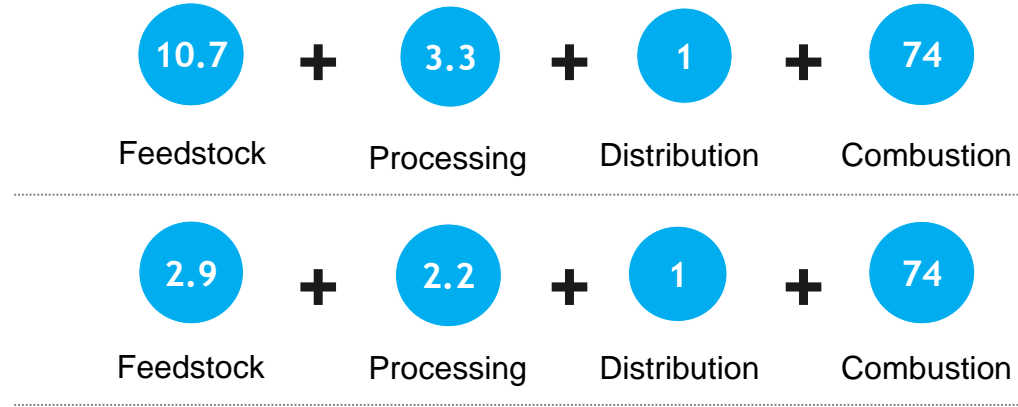


Main criteria: Minimum 10% GHG emissions reduction compared to conventional jet fuel

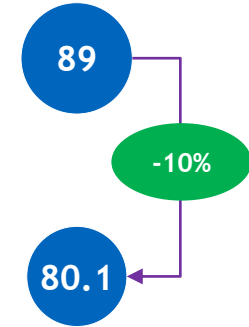
Conventional Jet Fuel

LCAF

Lifecycle Stages (grams CO2 eq. per Mega Joule)



Fuel LCA



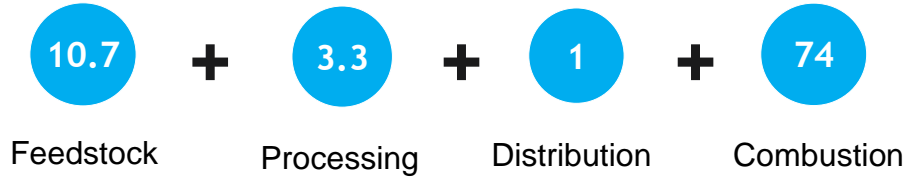


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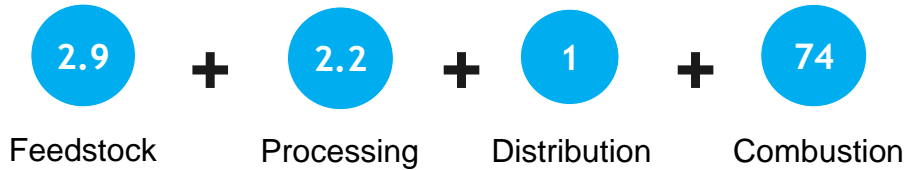
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Fuel LCA

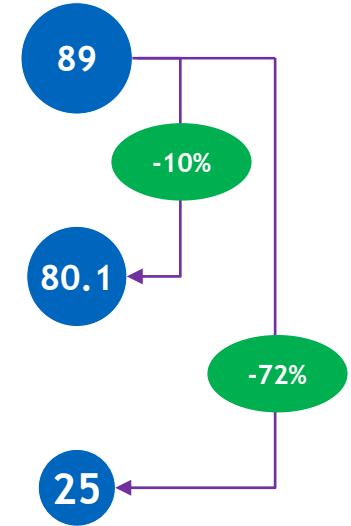
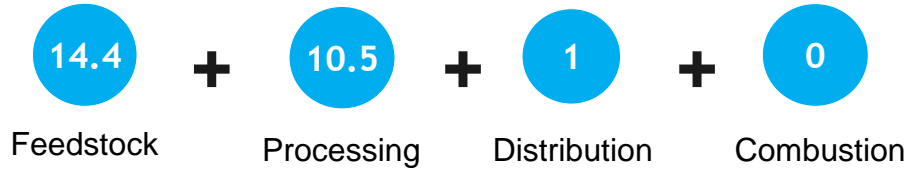
Conventional Jet Fuel



LCAF



SAF: HEFA



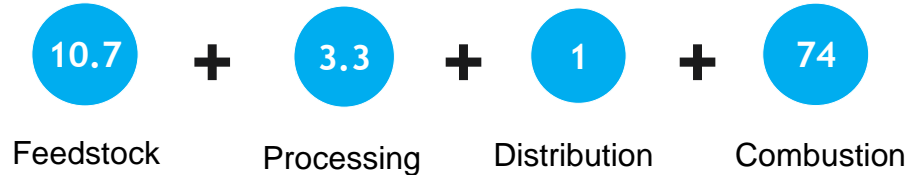


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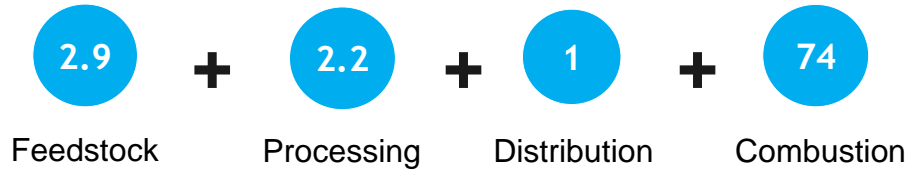
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Fuel LCA

Conventional Jet Fuel



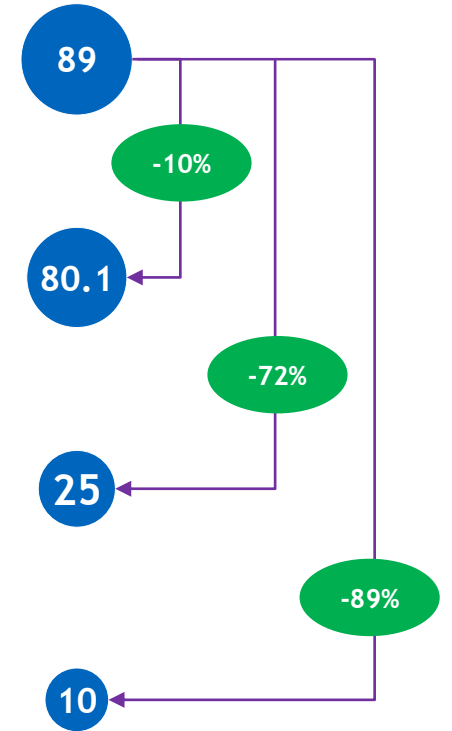
LCAF



SAF: HEFA



SAF: E-fuel





Thank you