The Sustainability Challenge in Aviation

The adoption of renewable jet fuel (RJF) is likely required to curb emissions from aviation.

Today

EU aviation: 180 Mt CO₂

Industry growth rate: 3%

2050

No Action: 580 Mt CO₂

With efficiency gains: 340 Mt CO₂

Sector target: 90 Mt CO₂

Renewable jet fuel is likely required to reach this target

The Question

What about Renewable Jet Fuel’s …

Technical feasibility?

RJF is commercially available, but more RD&D is needed to decrease the price and reach critical volumes

Greenhouse gas performance?

RJF can reduce greenhouse gas emissions depending on the conversion technology and feedstock

Economic feasibility?

RJF production costs are higher than fossil jet fuel; there is need for stakeholder cooperation to cover the gap