



EASA Annual Safety Conference

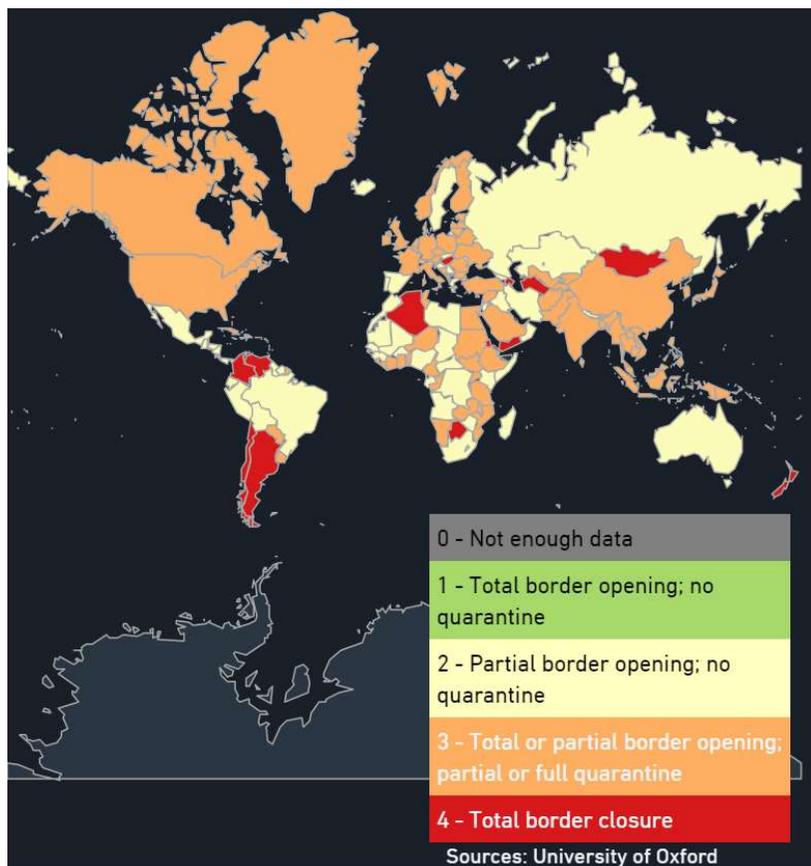
Enhancing environmental sustainability –
recovering greener

Simone Rauer, Head of Aviation Environmental Roadmap -
Airbus Corporate Affairs

November 5th, 2020

AIRBUS

The continuation of the pandemic and related travel restrictions still preventing Air Transport to recover



“
**We need
action quickly.**

Job losses in the industry increase with each day that borders remain closed.

With each job lost, economic recovery becomes even more difficult.

Momentum is building for testing to re-open borders and save peoples' livelihoods. ”

Alexandre de Juniac
Director General & CEO, IATA

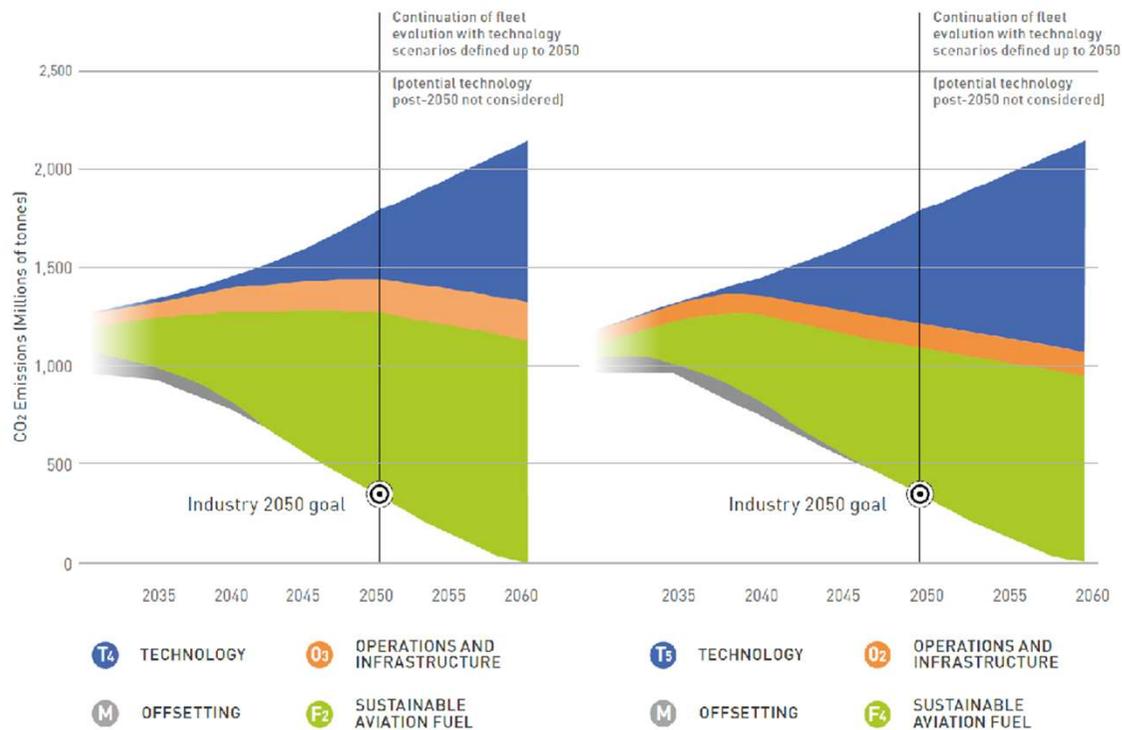
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Working with all stakeholders to a decarbonized aviation

Plotting a path to net-zero emissions

While somewhat marginal pre-2050, the contribution from hybridisation, electrification and hydrogen becomes substantial in 2050-2060 timeframe. In addition, with emissions reduction factor from SAF reaching 100% by 2060, net zero emissions could be achieved by that date in the absence of offsets. However, offsets (in whatever form they may take in the 2040+ timeframe) could be used to bridge any gap and support a net-zero goal, either in 2050 or beyond. This was plotted using integrated scenario 1 (left) and 3 (right).



ATAG waypoint 2050 report shows that with the benefits of :

- New technologies
- Better operations and infrastructures
- And an extensive use of SAF

Net zero emissions for global aviation can be achieved to the horizon 2060.

Pioneering sustainable aerospace

Introducing Airbus ZEROe

Turboprop



<100
Passengers

Hydrogen
Hybrid Turboprop
Engines (x 2)

1,000+nm
Range

Liquid Hydrogen
Storage & Distribution
System

Blended-Wing Body



<200
Passengers

Hydrogen
Hybrid Turbofan
Engines (x 2)

2,000+nm
Range

Liquid Hydrogen
Storage & Distribution
System

Turbofan



<200
Passengers

Hydrogen
Hybrid Turbofan
Engines (x 2)

2,000+nm
Range

Liquid Hydrogen
Storage & Distribution
System



- The pandemic has brought the social and environmental agendas for business into the spotlight as never before.
- As a global leader in aeronautics we, at Airbus, want to rise to the climate change challenge, leading the way.
- Airbus, has recently announced its ambition to build the world's first zero-emissions airliner by 2035.

Thank you

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