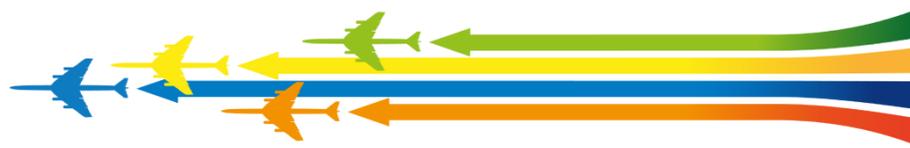




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ICAO Global Aviation Partnerships on Emissions Reductions (E-GAP) Multiplying Environmental Action



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Carbon War Room

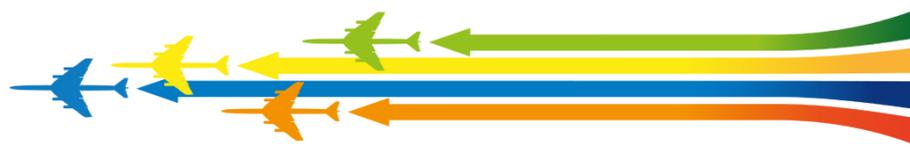
Building Demand for Alternative Fuels

Presentation at ICAO E-GAP

September 16, 2015

Petra Koselka



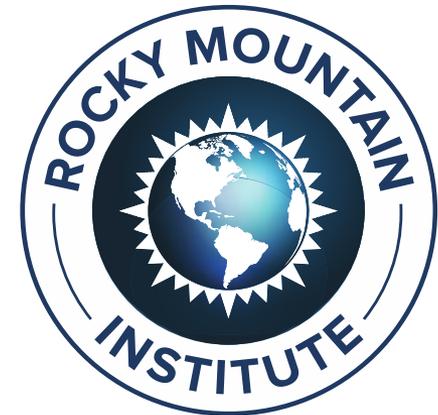


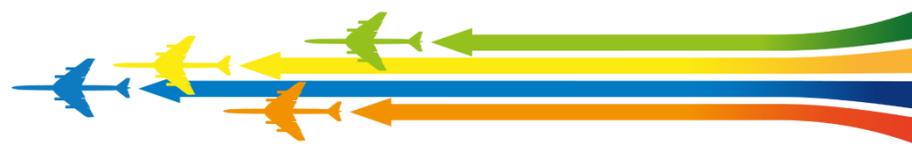
The Carbon War Room

- Founded in 2009 by Sir Richard Branson and a group of like-minded entrepreneurs
- Merged with Rocky Mountain Institute in 2014 to multiply impact and catalyze change
- Business approach: industry-led, commercially viable action to advance the low-carbon economy

Sustainable Aviation Fuels:

- Industry-led initiatives
- Level playing field
- Industry demand as a driver for scale





Aviation Emissions

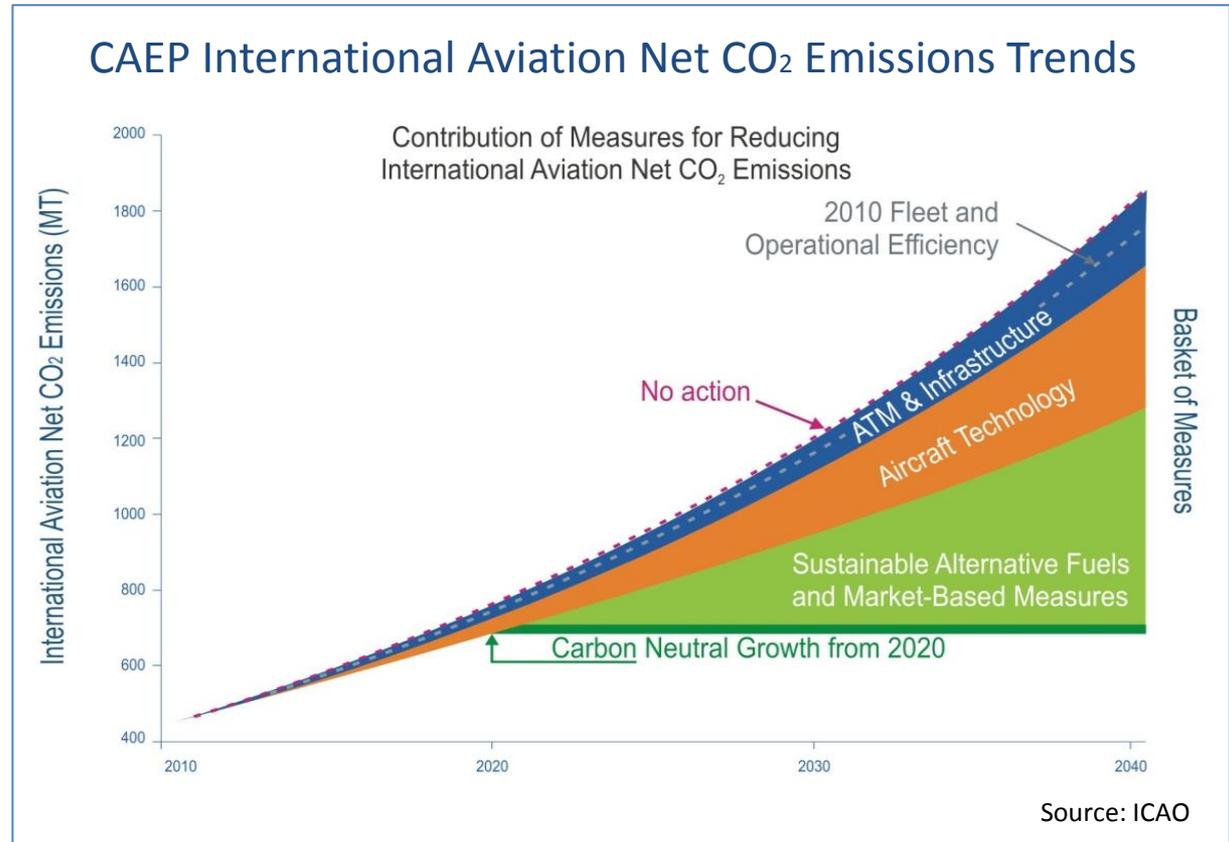
Four drivers of emissions reductions:

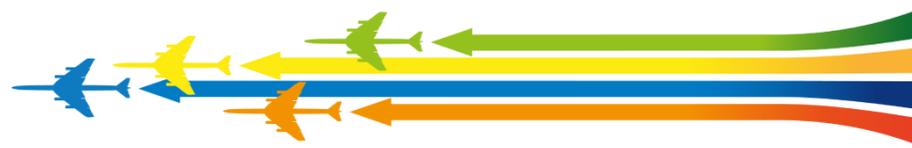
- Operational efficiency
- Aircraft efficiency
- **Market-based mechanism**
- **Sustainable Aviation Fuels**

MBM and SAF:

- Greatest potential
- Greatest challenge

When linked → *synergies*

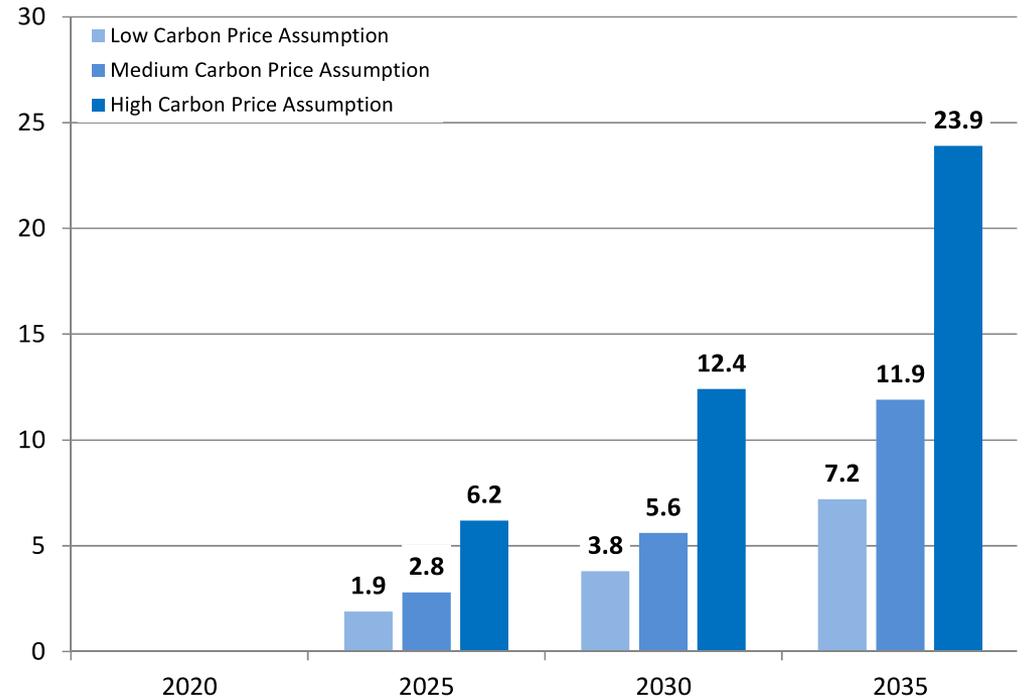




Conclusion 1: Include SAF in the MBM

- Clear and measurable carbon reduction compared to fossil fuels
- Help drive demand for lower-carbon fuels
- Spend on carbon reductions that benefit the aviation industry in the long term

Cost of offsets to reduce CO₂ emissions from international aviation (USD billion)



Source: ICAO EAG/7, 2014





Conclusion 2: Role for Airports in Stimulating Demand

Why airports?

Significant demand in a single location.

- Economies of scale
- Less volume risk
- Drive local/regional supply chain for biofuels plant
- Natural orchestrator across airlines, fuel suppliers/operators, local government
- Improves local air quality, fit with their environmental agenda

“New economic instruments, such as emissions trading schemes and local environmental charges, can play a part in reducing aviation’s impact on the environment.” - ACI

“We encourage ... single airports supplying SAF as a first step towards large-scale industrial deployment.” - IATA





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FURTHER, FASTER, TOGETHER



SUSTAINABLE
ENERGY FOR ALL

