



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

Session IV

Partnerships to Develop Sustainable Alternative Fuels for Aviation



Ted Thrasher, Chief, Environmental Standards Section

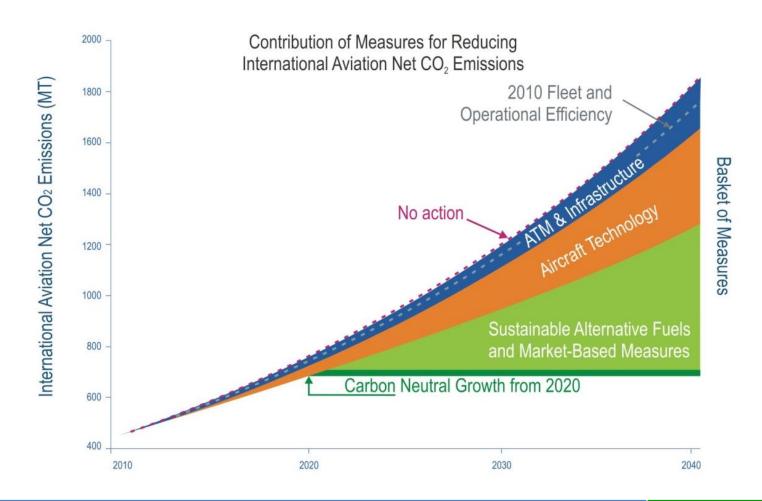
Environment, Air Transport Bureau

International Civil Aviation Organization (ICAO)





CAEP International Aviation Net CO2 Emissions Trends



ICAO Global Aviation Partnerships on Emissions Reductions (E-GAP) Seminar ICAO Headquarters, Montréal, 16 to 17 September 2015





ICAO's Role and Activities

Supports Member States and stakeholders efforts' by fostering information exchange and providing a global perspective



Progress in the Industry

- 3 alternative fuel pathways certified for aviation
 - Fischer-Tropsch (F-T) Processing 2009
 - HEFA Hydroprocessing 2011
 - Synthetic Iso-Paraffin (SIP) Hydroprocessing 2014
- About 1700 commercial flights operated since 2011 by 20 airlines
 - Over 200 commercial flights operated on alternative fuel in 2014 alone













































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UNITING AVIATION

E-GAP



Not meant to be exhaustive – mainly initiatives since 2013

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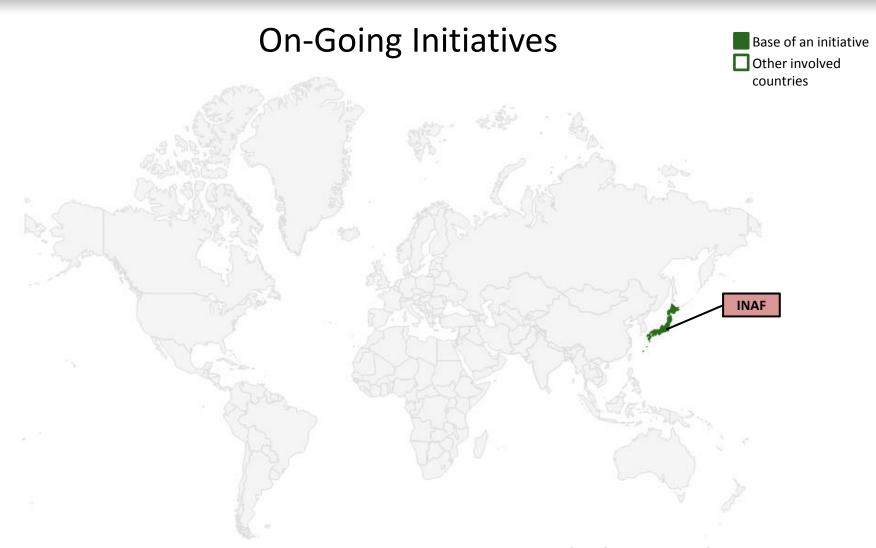
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How ICAO Can Help the Industry Move Forward

- ICAO will continue to support international cooperation by:
 - Providing a global view that assists States and stakeholders to overcome remaining challenges
 - Facilitating information exchange on progress, regulations, and best practices – including maintaining the GFAAF
 - Working towards quantifying the effects of alternative fuels as a measure to mitigate aviation's release of greenhouse gasses
- Cooperation among stakeholders in the aviation industry and the energy sector is key to the sustainability of aviation



ICAO Partners multiplying action for sustainable alternative aviation fuels























Department

for Transport



AIRBUS









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