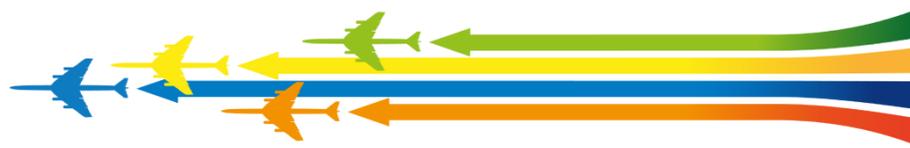




ICAO

UNITING AVIATION

E-GAP



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

Session III

Operational Improvements and Eco-Airports



ICAO

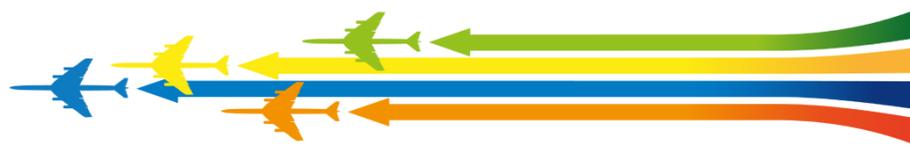
Ted Thrasher, Chief, Environmental Standards Section

Environment, Air Transport Bureau

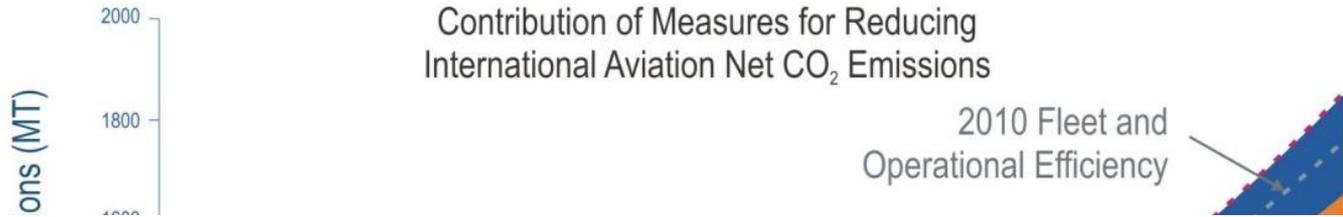
International Civil Aviation Organization (ICAO)

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

ENV2015



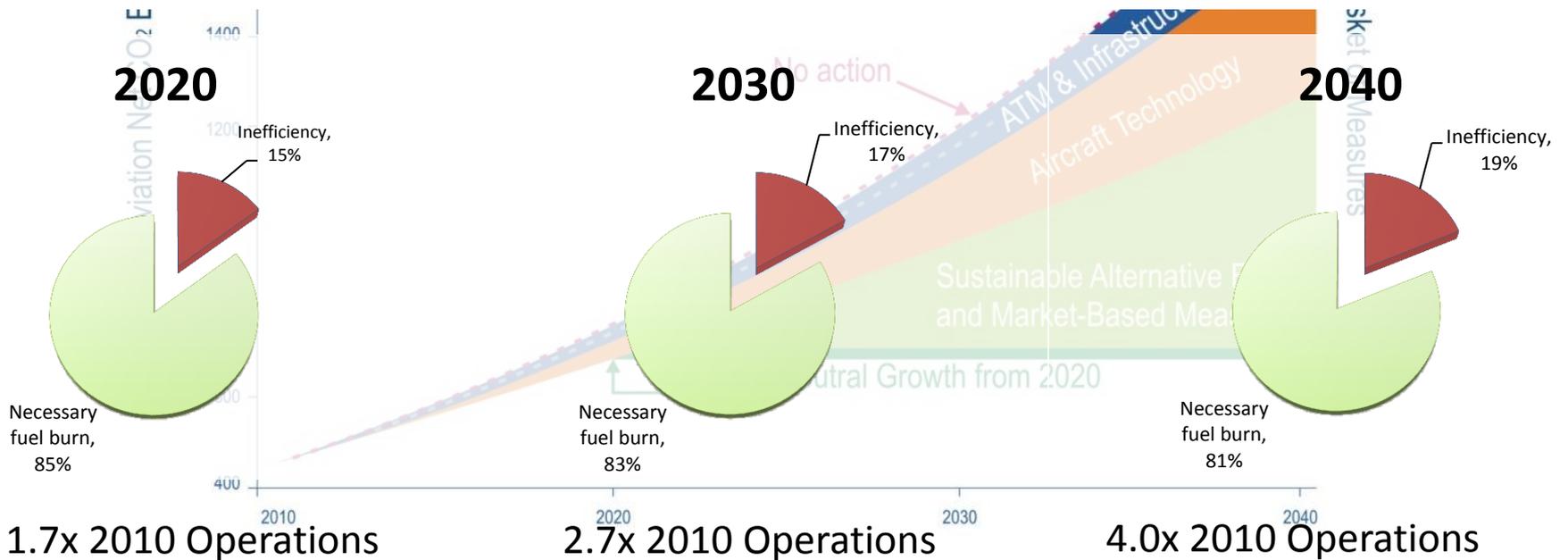
CAEP International Aviation Net CO₂ Emissions Trends



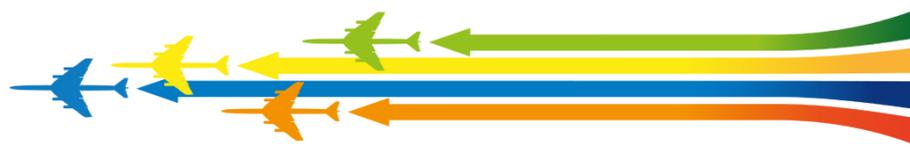
Contribution of Measures for Reducing International Aviation Net CO₂ Emissions

2010 Fleet and Operational Efficiency

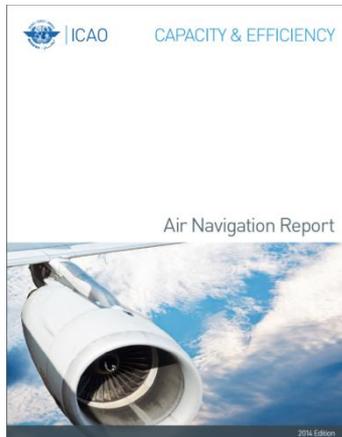
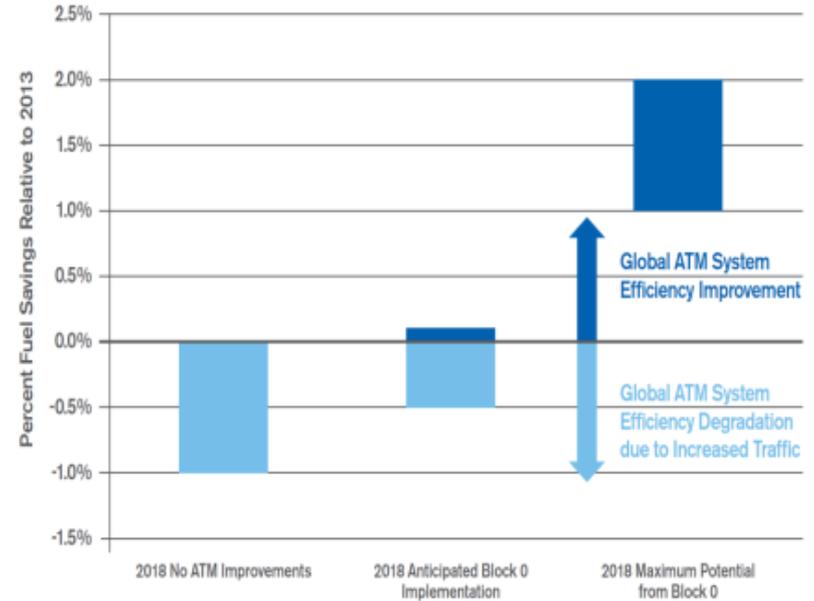
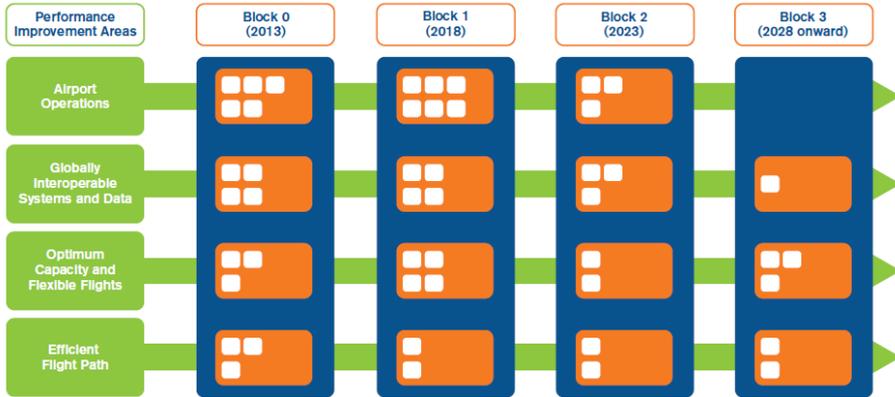
If no ATM improvements are made, system efficiency will degrade by 2% every decade.

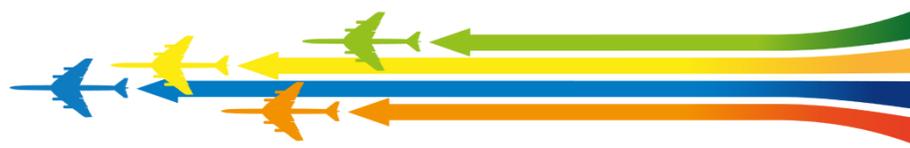


Source: IEOGG 2013 and CAEP/9 Forecast



Operational Improvements through Aviation System Block Upgrades





Eco-Airports



- Resulted from Special Meeting on Aircraft Noise in the Vicinity of Aerodromes in 1969
- Updated over time to cover a wider range of airport planning environmental considerations
- Current update to include more information on the “eco-friendly” planning of airports

