



ICAO AVIATION AND ENVIRONMENT SEMINAR AUSTRALIA AND CAEP

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- Member of ICAO's governing Council since its formation in 1947.
- Consistent election to Part 1 – States of Chief Importance in Air Transport.
- Member of the Air Navigation Commission.
- Involved in more than 60 ICAO committees, panels and study groups.



- Committee on Aviation Environmental Protection (CAEP):
 - Promoting achievable environmental improvements in aviation that take into account:
 - technical feasibility;
 - environmental benefit;
 - economic reasonableness;
 - interdependencies of measures;
 - developments in other fields; and
 - international and national programmes.



- **Noise**
 - 30% reduction since 1959.
- **Fuel use and emissions**
 - 80% decrease in fuel use per passenger seat and 80% less CO₂.
- **Local air quality**
 - 50% less carbon monoxide.
 - 90% less smoke and unburned hydrocarbons.



- Active member of ICAO's Committee on Aviation Environmental Protection (CAEP):
 - Contribute to Working Group 2 – Airport and Operations, the Forecasting and Economic Analysis Support Group (FESG) and the Alternative Fuels Task Force (AFTF);
 - Chair the CAEP Steering Group meeting in Denpasar in September 2014;
 - 3rd WG2 meeting in Melbourne;
 - Active in developing the methodology for the ICAO Carbon Emissions Calculator through participation in CAEP's Aviation Carbon Calculator Support Group (ACCS).



- Australia's National Action Plan, *Managing the Carbon Footprint of Australian Aviation*.
- The successes and challenges for Australia:
 - Decreasing emissions and better fuel efficiency BUT;
 - Anticipated aviation growth of 3%



- **Government:**
 - Direct action to reduce emissions, encouraging investment, National Carbon Offset Standard and monitoring.
- **Airservices Australia:**
 - Smart Tracking, gate to gate sequencing, flexible air traffic routes, assessing carbon and aircraft noise emissions.
- **Airlines:**
 - Fleet renewal, flight path and aircraft speed optimisation, on-board weight, passenger offset scheme, development of sustainable aviation biofuels.
- **Airports**
 - Greener commercial buildings, solar, linkages with off-airport transport systems, carbon footprint reports.





- Australian nominee for ICAO Secretary General, Mr John McCormick
 - Recently CEO and Director of Aviation Safety for Australia's Civil Aviation Safety Authority.
 - Over 40 years experience in aviation sector including 25 yrs with major airlines.
- Thank you for your time!

