



SESSION 5: ENVIRONMENTAL CHALLENGES FOR THE CIVIL AVIATION INDUSTRY

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ASSURING ENVIRONMENTAL SUSTAINABILITY

3 Main Goals:

- Limit or reduce the number of people affected by significant aircraft noise
 - **Work on Aircraft Noise since 1970**
- Limit or reduce the impact of aviation emissions on local air quality
 - **Work on air quality around airports since late 1970s**
- Limit or reduce the impact of aviation greenhouse gas emissions on the global climate
 - **Work on GHG since early 1980s**



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THE CLIMATE CHANGE CHALLENGE: ICAO'S COMMITMENTS

- **Kyoto Protocol**

- ICAO to pursue limitation or reduction of aviation GHG emissions

- **ICAO's A36**

- To develop an ICAO Programme of Action on International Aviation and Climate Change

- Cooperation with UNFCCC

- Development of concrete proposals to COP/15 (December 2009)



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RECENT AND NEXT STEPS

- Latest SARPs for LAQ – with effect 1 January 2008
- Latest SARPs for Noise – with effect 1 January 2006
- Expansion of modelling capabilities to quantify aviation's environmental impact
- Enhancement of the ICAO Carbon Emissions Calculator recently developed
- Establishing technological and operational goals for noise, local air quality and CO₂ reduction in 10 and 20 years
- Programme of Action on Climate Change developed in May 2009
- High-Level Meeting (7-9 Oct 2009) to consider the Programme of Action
- Programme will include development of CO₂ Standard
- Conference on Aviation Alternative Fuels (CAAF), Nov. 2009