

Action Plan for Aviation Environment sustainability

**Capt. Aysha Al Hamili
Permanent Representative of the UAE to
the ICAO Council**

Disclaimer

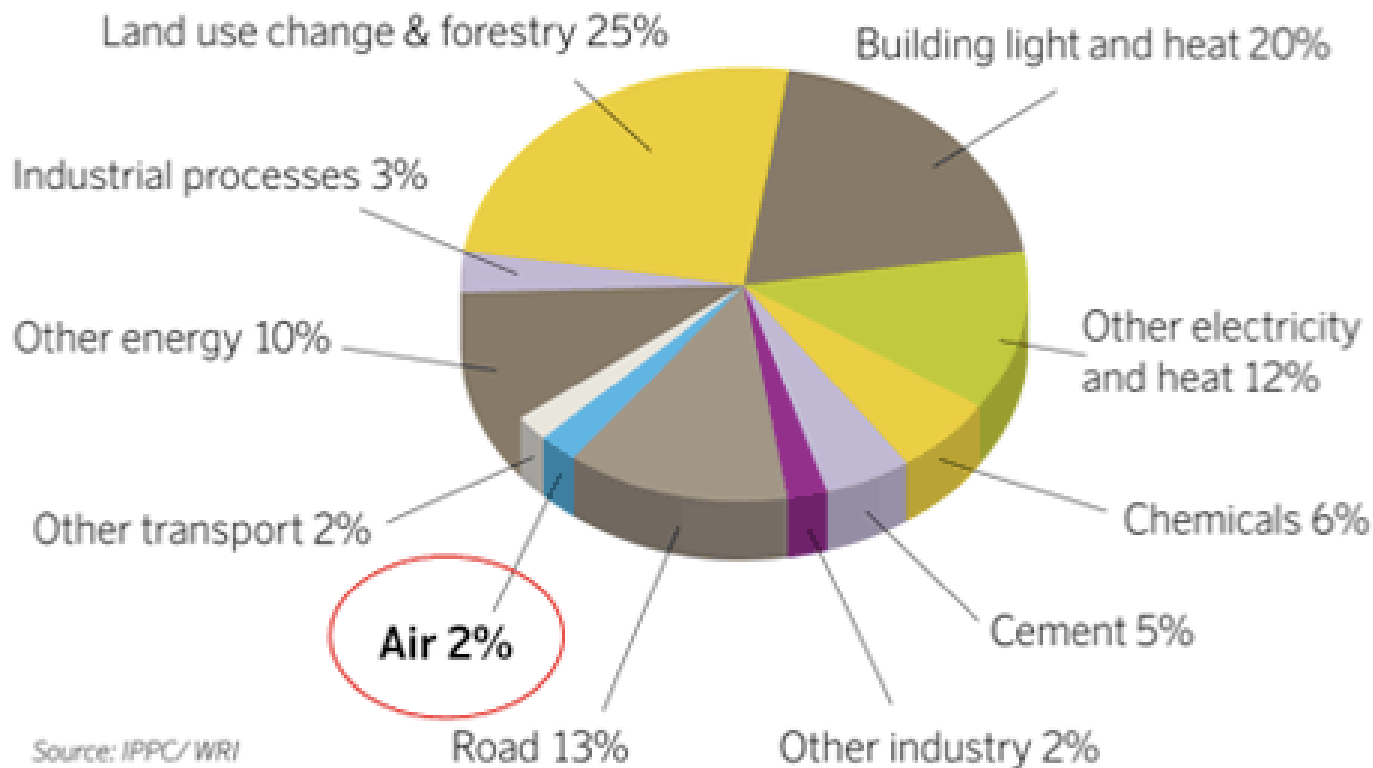
- The views expressed in this presentation are solely my own and do not reflect in any way the official position of the UAE government on any of the topics discussed hereinafter.

Agenda

- Introduction
- Principles that govern my Action plan
- Action plan
- Conclusion

Introduction

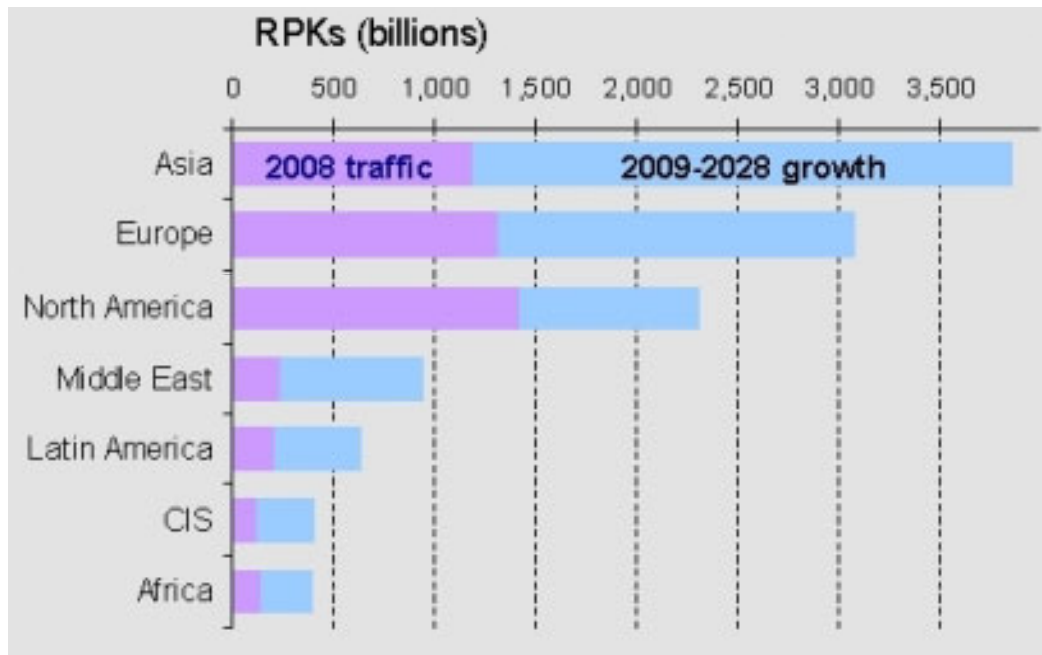
- Kyoto Protocol
- Aviation emissions expected to increase fourfold by 2050
- Fuel efficiency improvements will not offset projected growth
- International aviation emissions less than 2% of total global CO₂ emissions



Source: IPCC/WRI

Introduction cont.

- 5% average yearly air transport growth depending on the region:



20-year growth	% of 2028 World RPKs
6.0%	33%
4.3%	26%
2.4%	20%
6.9%	8%
5.8%	6%
5.9%	4%
5.2%	3%

Principles that govern My Action plan

● **Environmental Strategy:**

- Cover all aviation environmental aspects

● **Aviation Environment should be treated as a Global Problem:**

- Work through ICAO

● **Cultural change:**

- increase awareness and create an environmental friendly culture
- Incentives

● **The goal of any market based measures should be to reduce emissions:** not cap growth

- Avoid Taxation and Levies
- Any revenues generated from emission reductions should go back in aviation environmental investments and research.

● **Balance UNFCCC's CBDR ICAO's non discrimination principle:**

- De-minis : non-major polluters should be out of the system.

Action Plan

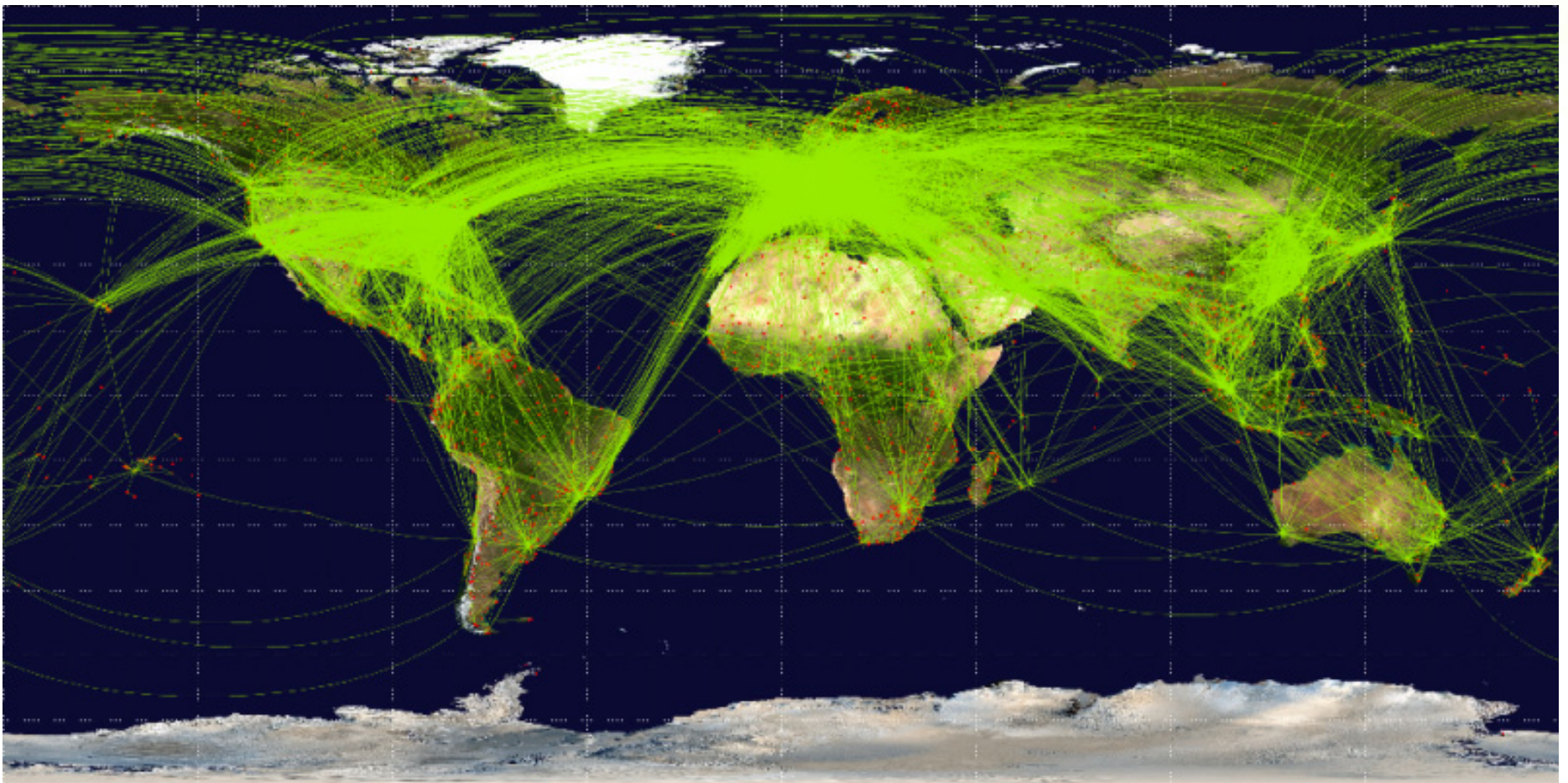
● Environmental Strategy:

- Environmental Management plan
 - Environmental Impact assessment
- Environmental Mitigation
 - Operational Measures
 - Infrastructure
 - Technology
 - Alternative Fuels
 - Market based measure
 - Data Bank
- Environmental Adaptation
 - How aviation infrastructure will have to be adapted to cope with the changes in climate change

Environmental Mitigation

Operational Measures & infrastructure

ICAO Guidelines on Operational Measures (DOC 9931 CDO, RVSM)



Environmental Mitigation Technology

- Fleet renewal or Engine upgrading
- Facilitate financing new equipment



Environmental Mitigation

Alternative Fuels

- Encourage research
- Facilitate investment





Environmental Mitigation

Market-based measures

- **Adopt global, sectoral approach through ICAO**
 - **Revenues should go back for aviation environment mitigation**
 - **Incentivizes participation**
 - **Not distort competition amongst operators**
 - **Account (and pay) for aviation emissions only once**
 - **Recognize aircraft operators that have already invested heavily in modern, low emission fleets**



Conclusion

Mitigating aviation's environmental impact is a global responsibility and it requires the commitment of ICAO's 190 Member States