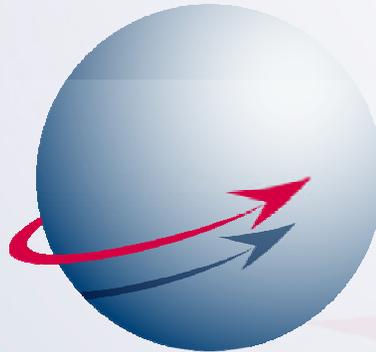




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canso

civil air navigation services organisation

ATM Operational Improvements



ICAO Headquarters, Montréal, Canada, 11- 14 May 2010



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CANSO Environment Workgroup

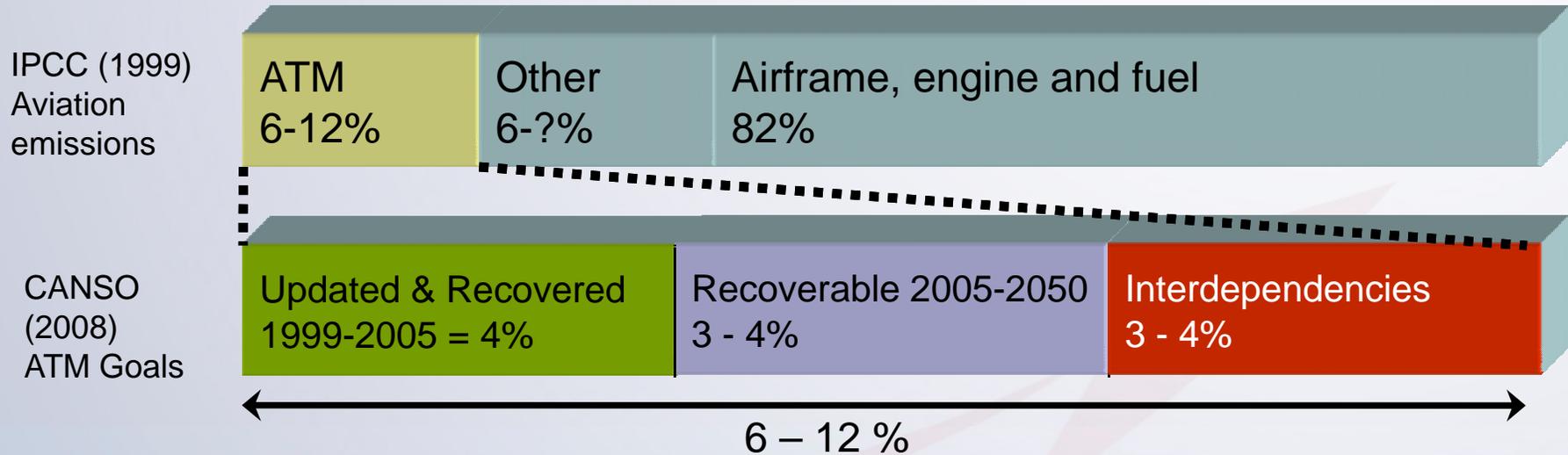
- Code of conduct
- Agreed Measures
- Best Practice

CANSO Operations Standing Committee

- Ops Directors working together
- Coordination airspace reform



CANSO ATM Efficiency Goals



- 4% efficiency achieved since 1999
- 4% still to be achieved



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- A global sectoral approach for a global issue
- ICAO plays a leading role in managing the emissions from aviation
- Industry's commitments
 - 1.5% improvement per year in average in terms of fuel efficiency
 - Carbon-neutral growth from 2020
 - Absolute reduction of net CO₂ emissions by 50% in 2050, compared to 2005 levels.



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TRANSPIRE

ON GROUND

- Pre-Departure Tactical Management
- Collaborative Decision Making
- Surface Movement Optimisation

DEPARTURE, CLIMB

- Required Navigation Performance Procedures
- Unrestricted Climb Departure Procedures
- Strategic Deconfliction of Departure Routes
- Green Departures with DMAN

ENROUTE CRUISE

- Flexible Use of Airspace (civil/military)
- Flex Tracks Routes
- User Preferred Routes
- ATM Long-range Optimal Flow Tool

DESCENT

- Tailored Arrivals
- Continuous Descent Approach
- Point Merge



STRATEGIC PLANNING

CUSTOMER CONSULTATION

CUSTOMER FEEDBACK

CONSOLIDATED BENEFITS





CANSO COMMITMENT

- Metrics and measures
- Identify ATM effect on environment
- Political will for change





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CANSO MEMBERS

- Delivering reduced Fuel Burn
- Long term Change
- Unite → Deliver → Sustain



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The Global Voice of ATM

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