



The role of ANSPs in Climate Change

Presentation to ICAO GIACC
Montreal, 26 February 2008

civil air navigation services organisation

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Outline of presentation

- CANSO introduction
- Aviation response to the environmental challenge
- Certainties and uncertainties
- ATM operational solutions
- Interdependencies
- Governmental role
- CANSO's vision and commitments



Introducing CANSO

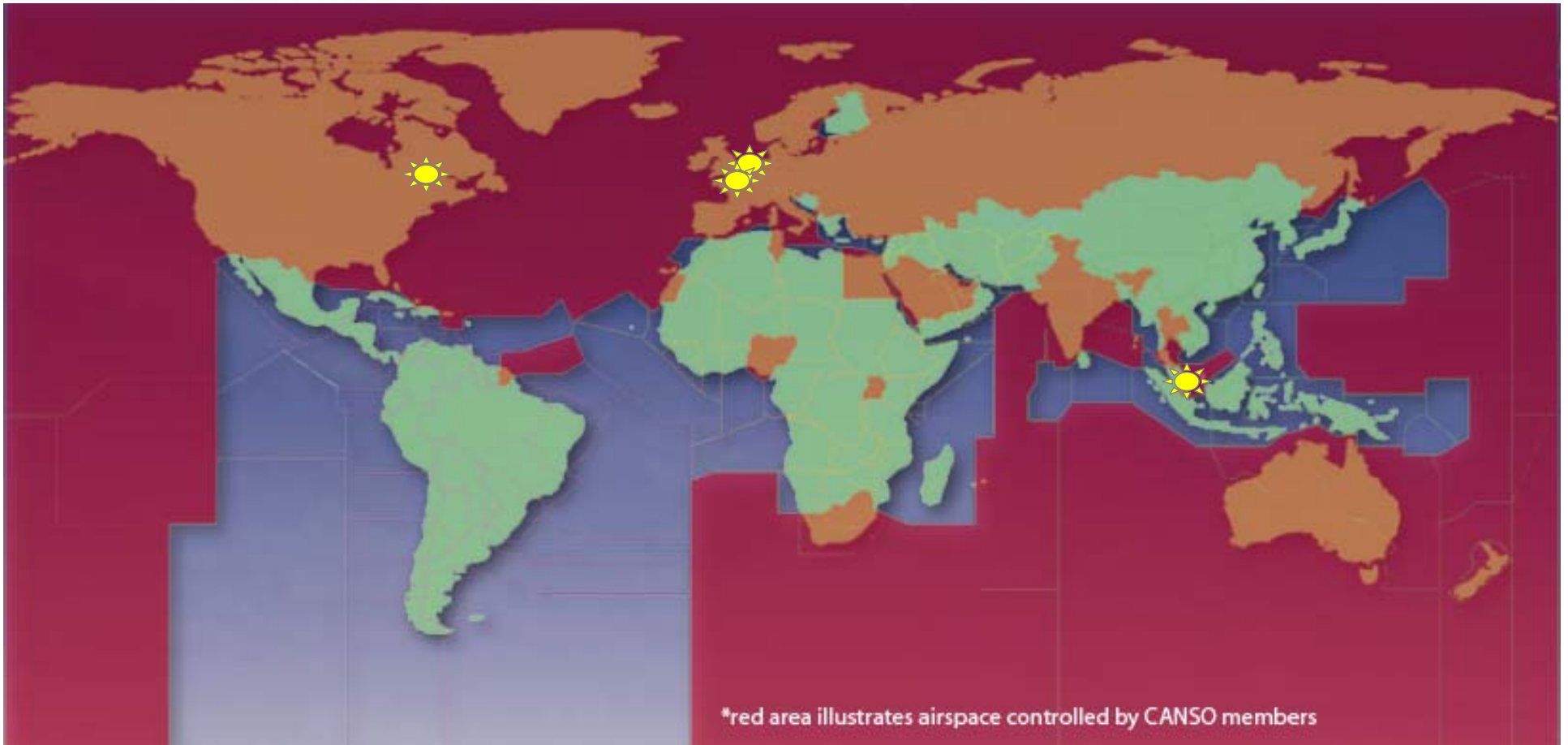
- Mission: To provide a worldwide platform for customer- and stakeholder-driven civil ANS providers
- Worldwide 48 ANSP & 38 Associate Members
- In 2007, served over 70% of world airspace, controlled 85% of world air traffic, and handled 45 million flights

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CANSO Members



CANSO Offices 2008

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CANSO Environment Workgroup

- Develops CANSO's environmental policy
- Identifies and disseminates best practice
- Develops metrics and targets
- Enhances understanding of environmental issues
- Delivered a Voluntary Code of Practice

Aviation's Response on the Environment

1. Technology and Standards
2. Operational Measures
3. Market-Based Measures

Certainties

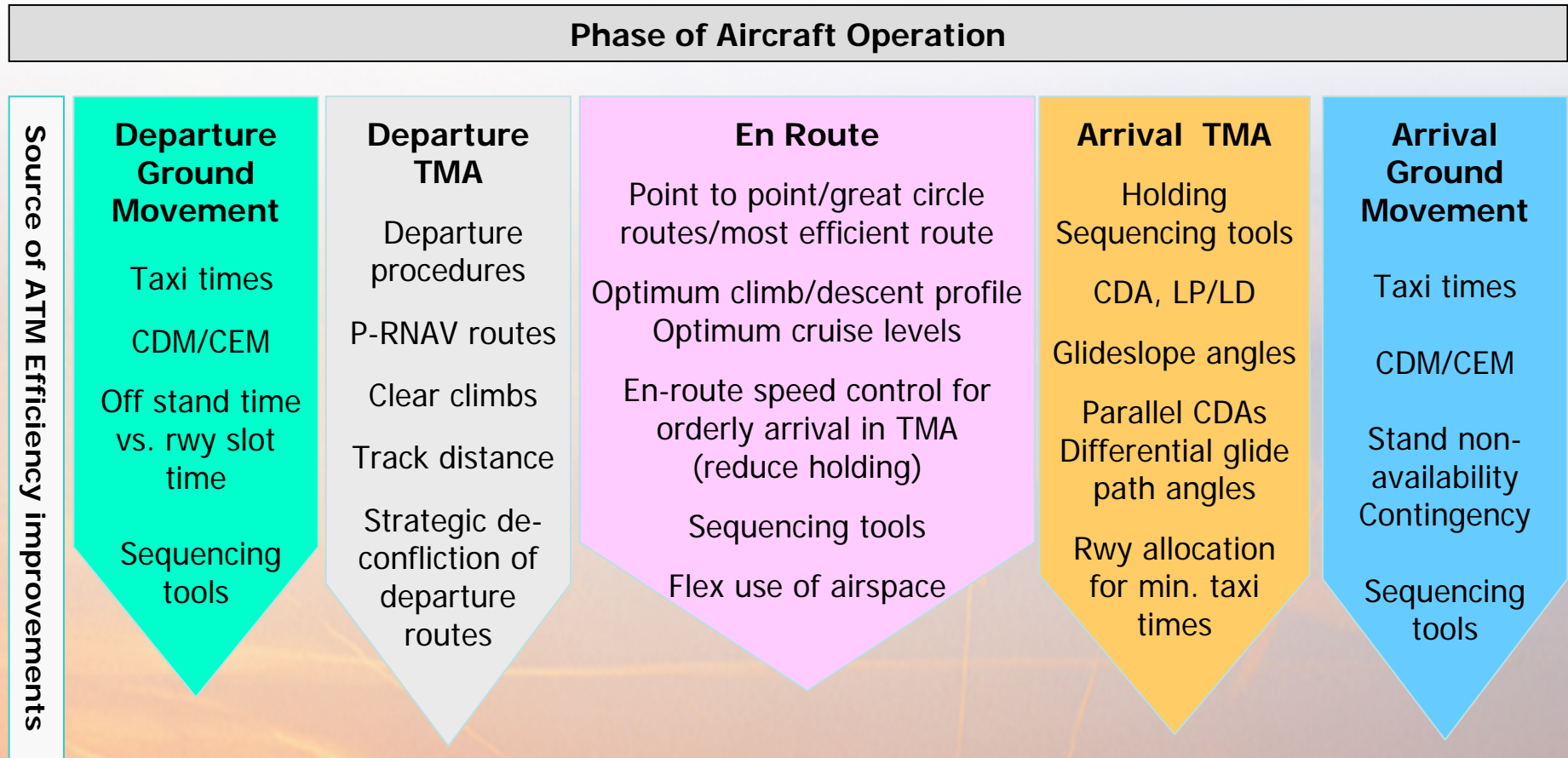
- Complex system, multiple players
- Government determines societal acceptability
- Trade-offs to be made – interdependencies exist
- CO2 is currently GHG of interest
- ATM changes can impact CO2 performance
- Collaborative solutions are necessary

Uncertainties

- Impact of ATM remains unclear
- Current CO2 performance of global ATM system
- Impact of ATM changes on CO2 performance
- Unintended & unknown consequences
- Actions by third parties

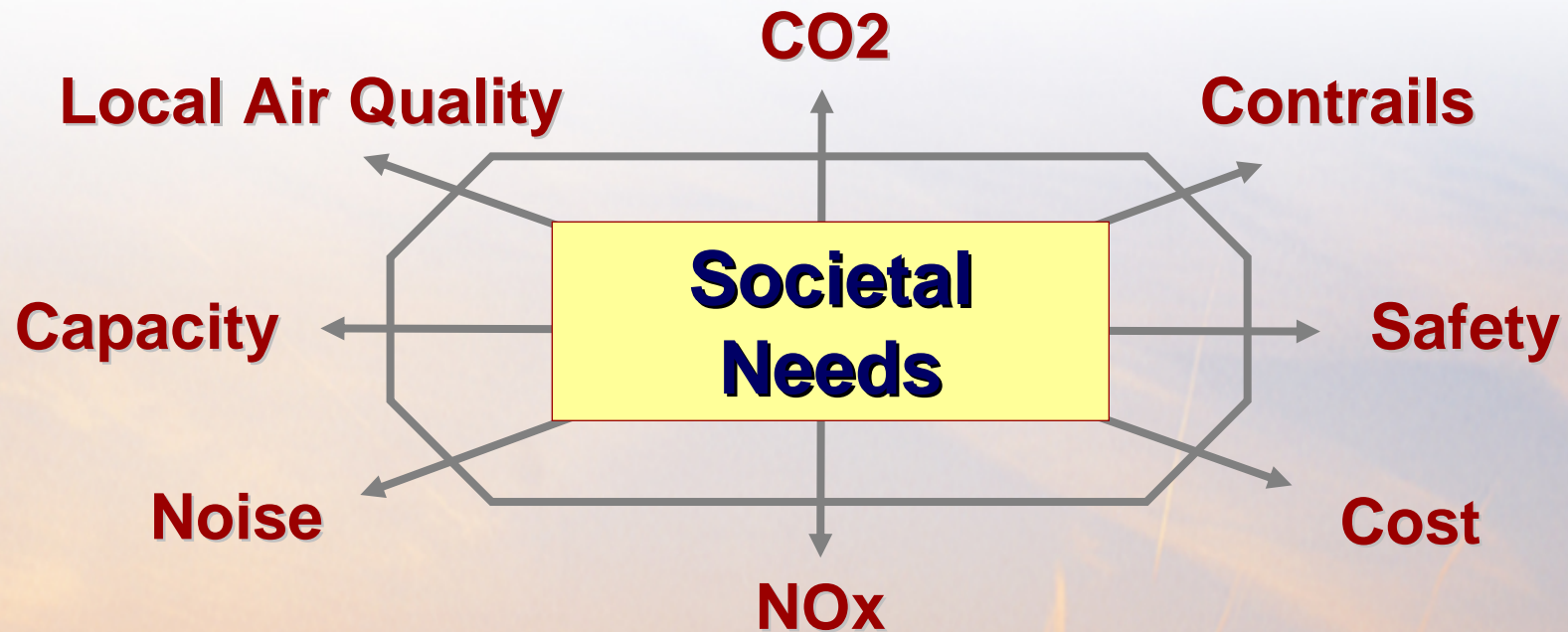


Benefit from ATM Operational Solutions



Benefit in 2006: US\$ 662 Million fuel savings & 6 Million tons of CO2 emissions

Choices have to be made...



States to find the appropriate balance of Societal Needs

Scientific consensus needed

ANSPs implement at the operational level

What Governments must deliver

- Airspace Design:
 - Improve Civil / Military allocation and coordination
 - Remove regulatory bottlenecks to improvements
- Balance societal needs
- Together with industry, determine goals and objectives
- Together with industry, develop performance metrics

CANSO 2010 Deliverables

- ATM has a role to play
- Environment is lead issue for CANSO
- By 2010 CANSO will deliver:
 - Global Environmental Metrics
 - Targets for reductions in emissions & noise
 - Material to broaden understanding of ATM's impact
 - Practical Guide to Environmental Management Systems

CANSO commits to.....

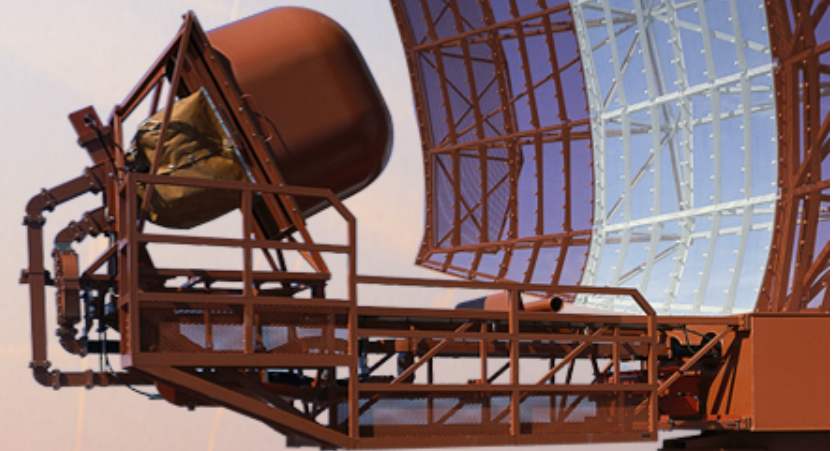
- Contribute to CAEP
- Support GIACC
- Understand interdependencies
- Develop metrics to measure progress
- Set targets and programmes to meet targets
- Engage aviation community
- Develop ATM Best Practices



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