



ICAO

ENVIRONMENT



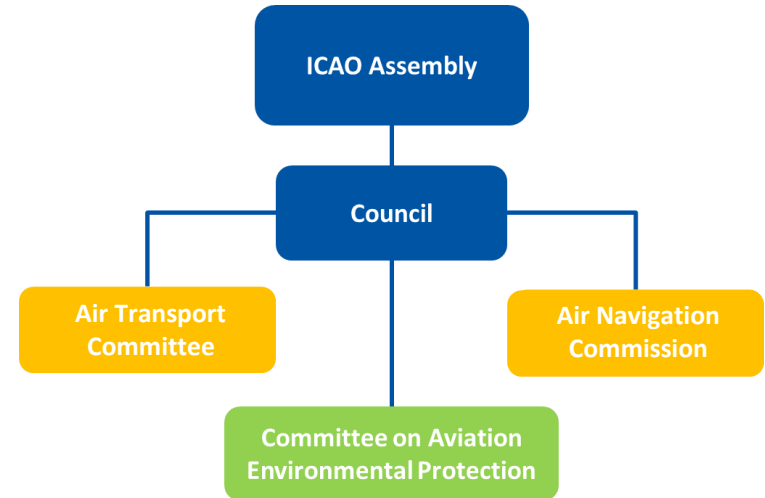
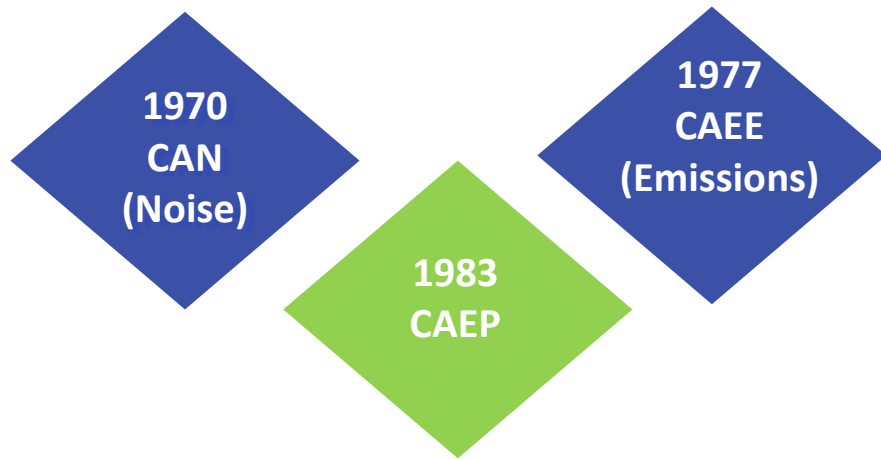
Committee on Aviation Environmental Protection - CAEP

Jane Hupe

Deputy Director, Environment

ICAO Air Transport Bureau

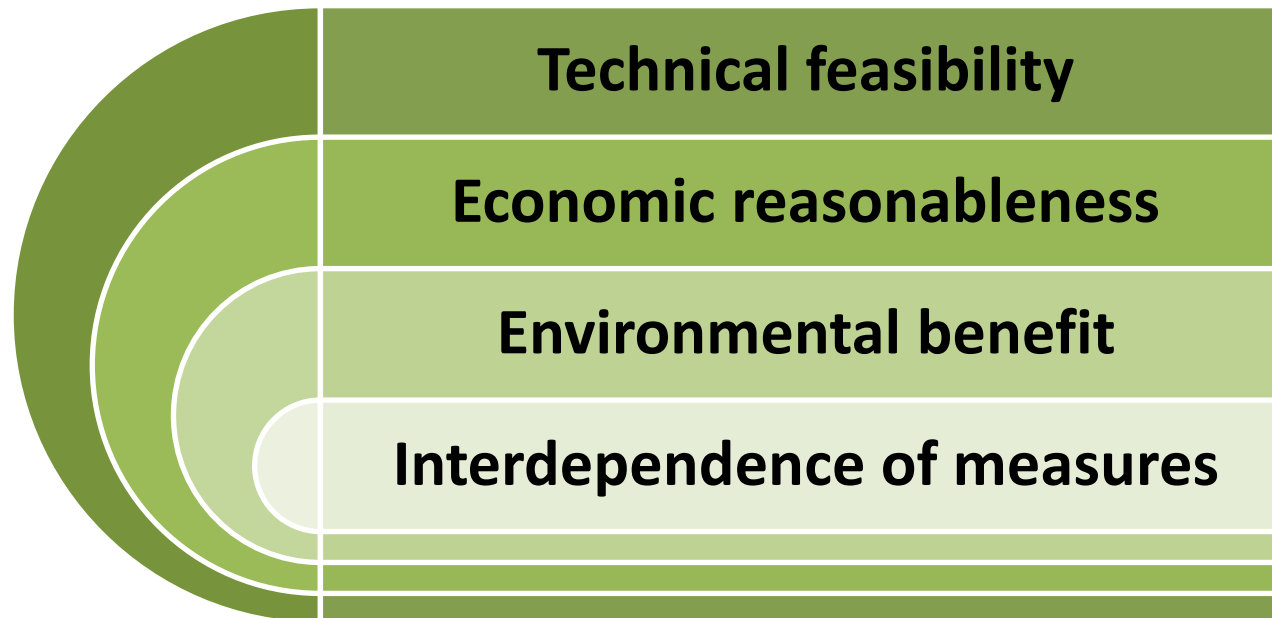




- Established by the ICAO Council in 1983, superseding the Committee on Aircraft Noise (CAN) and the Committee on Aircraft Engine Emissions (CAEE)
- Assists the ICAO Council in formulating new policies and adopting new SARPs for aircraft noise and aircraft engine emissions
- It is a technical committee and reports to the ICAO Council

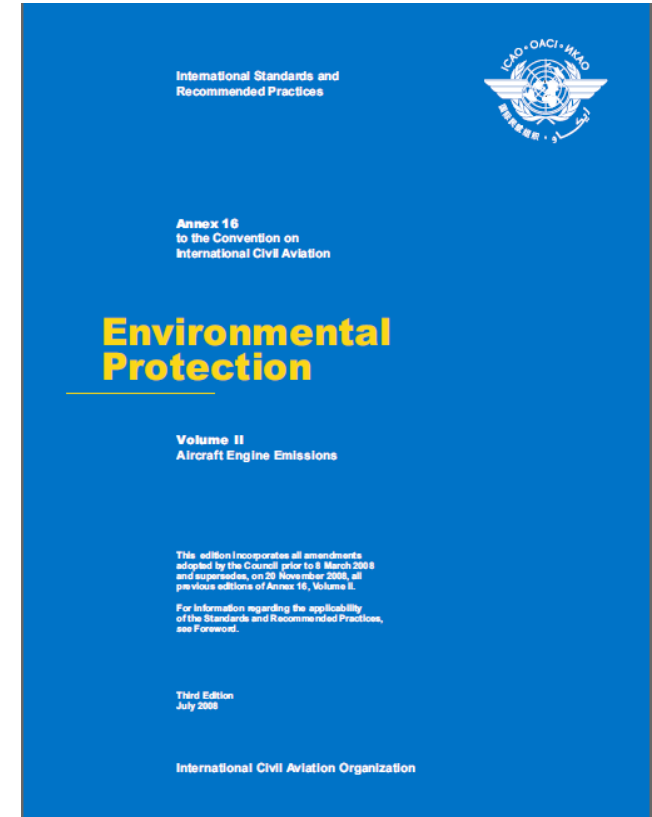


Undertake specific studies, as approved by the Council, related to control of aircraft noise and emissions, taking into account:





- CAEP is governed by **CAEP Directives** approved by the Council
- Meets as a **Steering Group** once a year and every three years as a formal committee
- Each formal **CAEP** meeting produces recommendations for approval by **the Council**
- The Council adopts recommendations related to **Annex 16** to the Convention in the light of **comments** received from the **Air Navigation Commission**



- **23** members and **15** observers.
- More than **400** international experts involved.

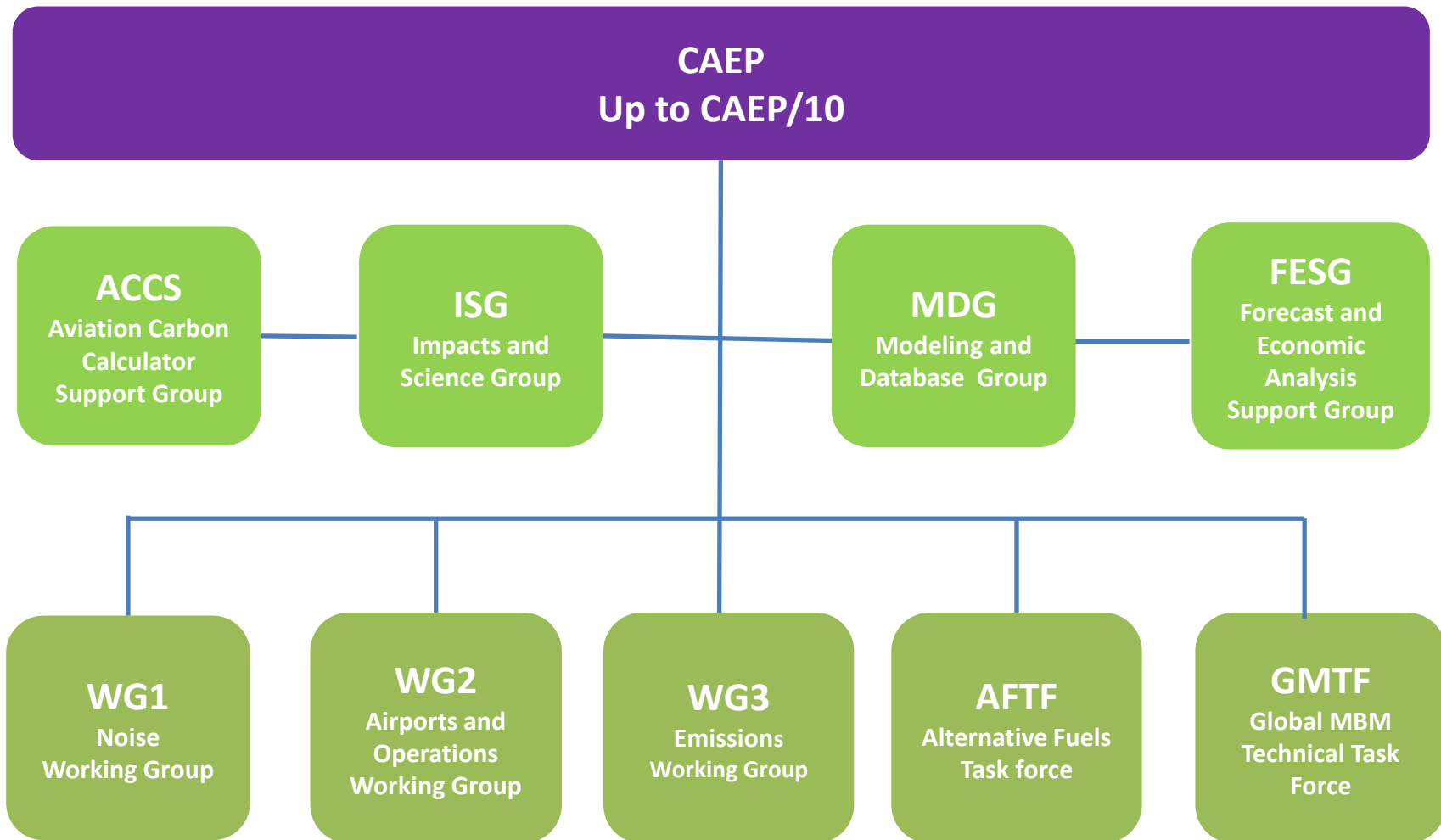
Members (23 States)

Argentina	Australia	Brazil
Canada	China	Egypt
France	Germany	India
Italy	Japan	Netherlands
Poland	Russian Federation	Singapore
South Africa	Spain	Sweden
Switzerland	Tunisia	United Kingdom
Ukraine	United States	

Observers (5 States and 10 Organisations)

Greece	Indonesia	Norway
Turkey	United Arab Emirates	ACAC
ACI	CANSO	EU
IATA	IBAC	ICCAIA
ICSA	IFALPA	UNFCCC





WG1

Noise

- Annex 16 Vol. I (Noise) maintenance/updates
- Supersonic transport
- Noise technology goals

WG2

Airports and Operations

- Airport management and land use planning
- Operational measures

WG3

Emissions

- Annex 16 Vol. II (LAQ) maintenance/updates
- New Annex 16 Vol. III (CO2 Standard)
- Particulate Matter Standard



MDG

Modeling and Database

- Environmental trends
- Model evaluation
- Environmental effectiveness analysis of aviation environmental policy options

FESG

Forecast and Economic Analysis

- Traffic and fleet forecasts
- Evaluation of economic models
- Cost-effectiveness analysis of aviation environmental policy options

ACCS

Aviation Carbon Calculator

- Methodologies for computing CO₂ emissions from passenger and cargo air travel (ICAO Carbon Emissions Calculator)



GMTF

Global MBM
Technical Task
Force

- Carbon credits to be eligible for a global MBM scheme
- Monitoring, reporting and verification (MRV) system for a global MBM scheme

AFTF

Alternative
Fuels

- Projections for future sustainable alternative fuels production
- Fuels life cycle emissions

ISG

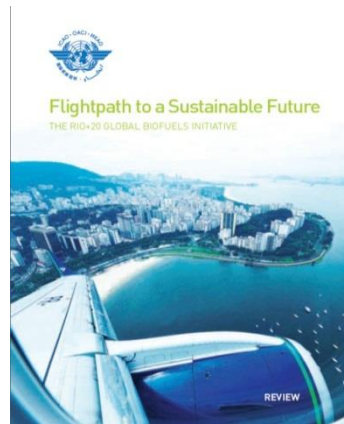
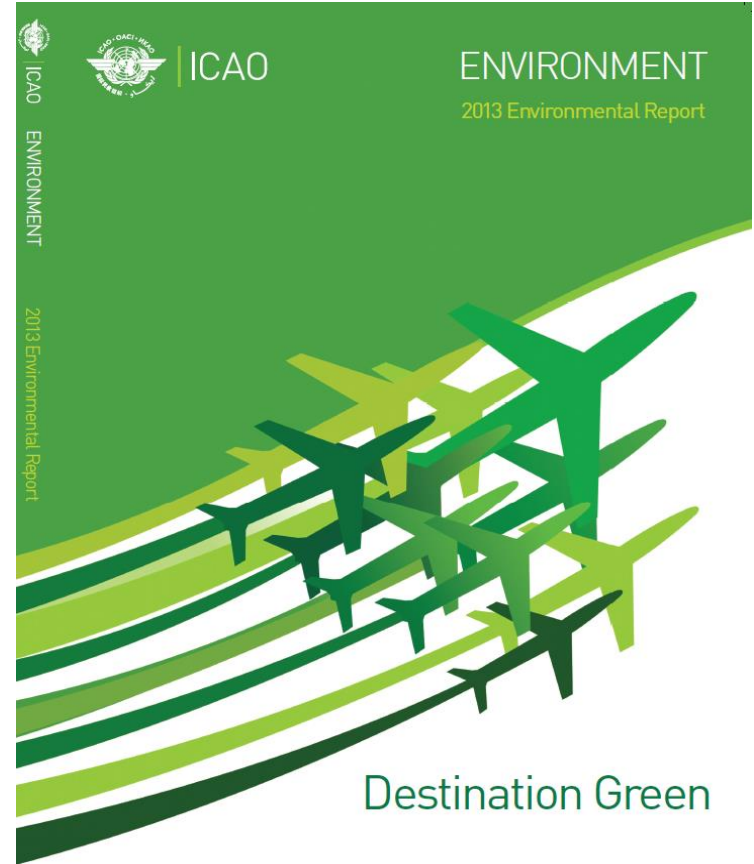
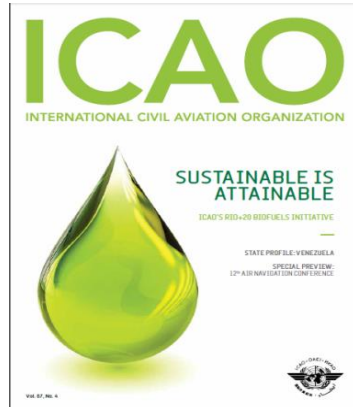
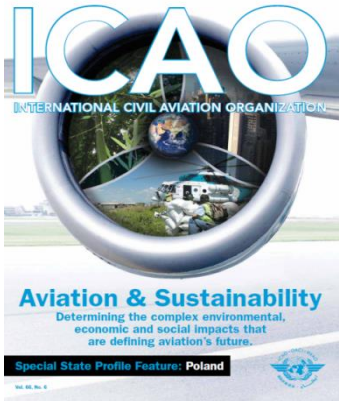
Impacts and
Science

- Climate impacts of aircraft emissions
- Scientific understanding of aircraft particulate matter





Additional information



For more information on our activities, please visit ICAO' website: <http://www.icao.int/env>

