



ICAO

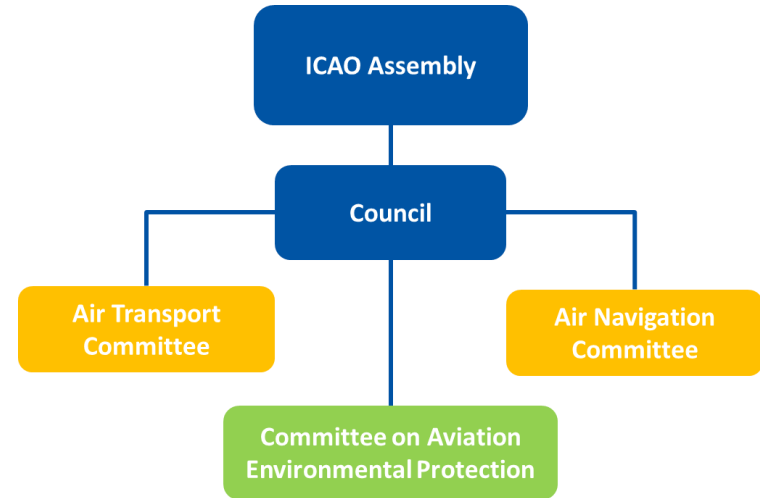
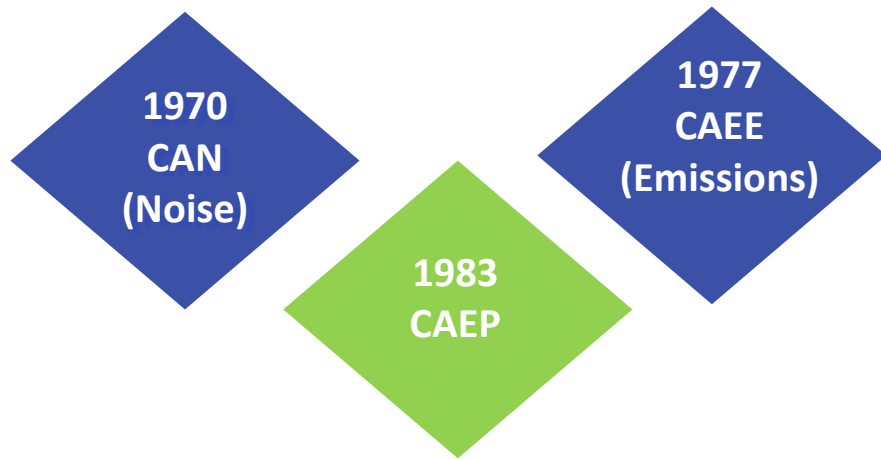
ENVIRONMENT



# Committee on Aviation Environmental Protection - CAEP

Jane Hupe, Chief,  
Environment Branch,  
ICAO Air Transport Bureau

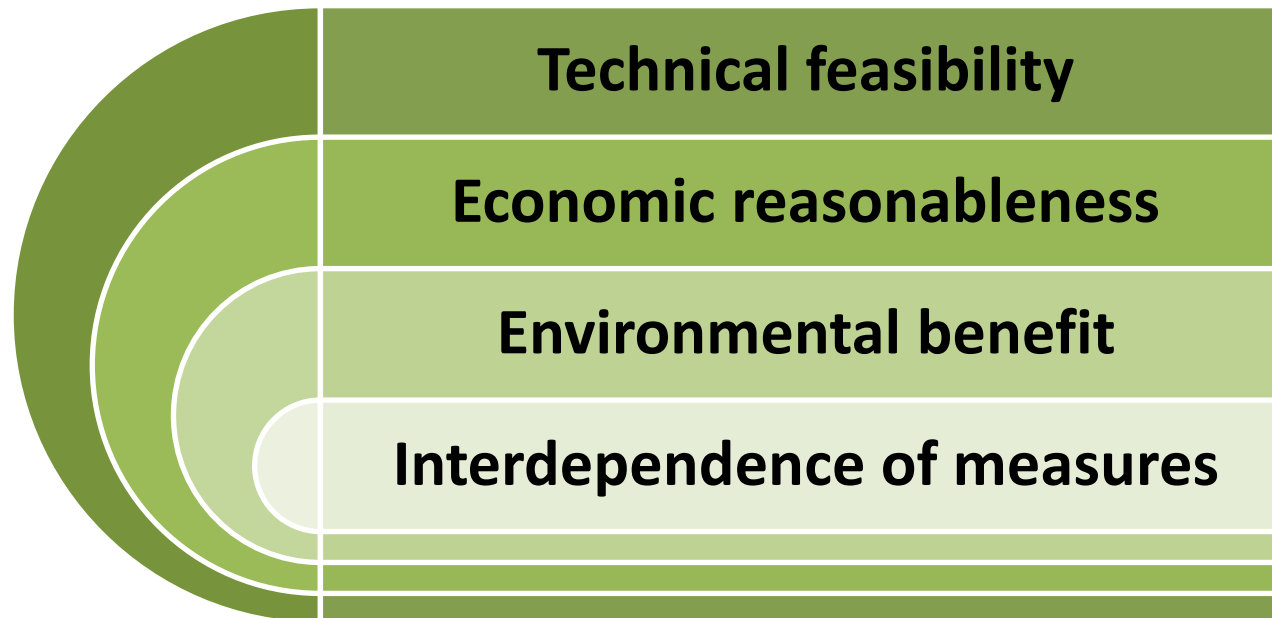




- **Established by the ICAO Council in 1983**, superseding the Committee on Aircraft Noise (CAN) and the Committee on Aircraft Engine Emissions (CAEE)
- **Assists the ICAO Council** in formulating new policies and adopting new SARPs for aircraft noise and aircraft engine emissions
- It is a **technical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

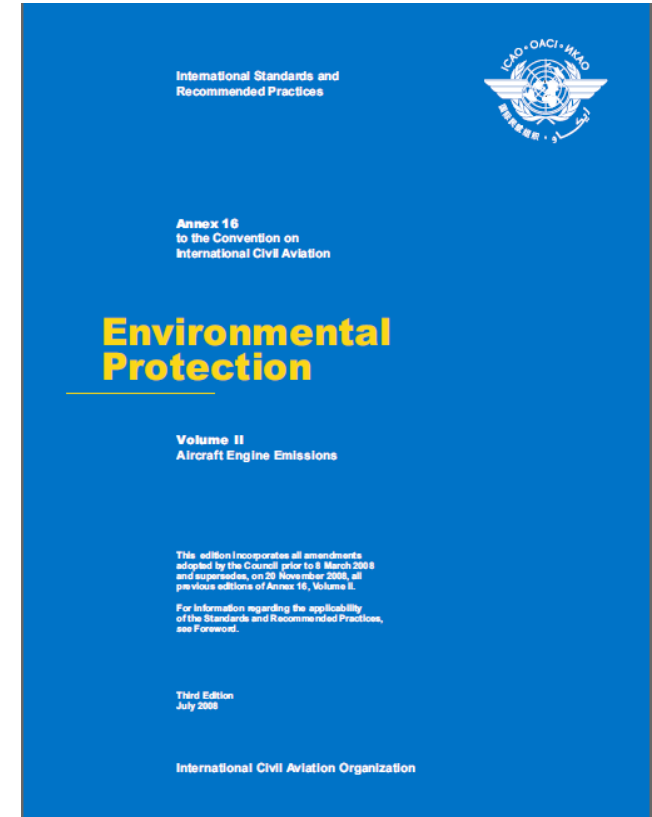


Undertake specific studies, as approved by the Council, related to control of aircraft noise and emissions, taking into account:





- 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.

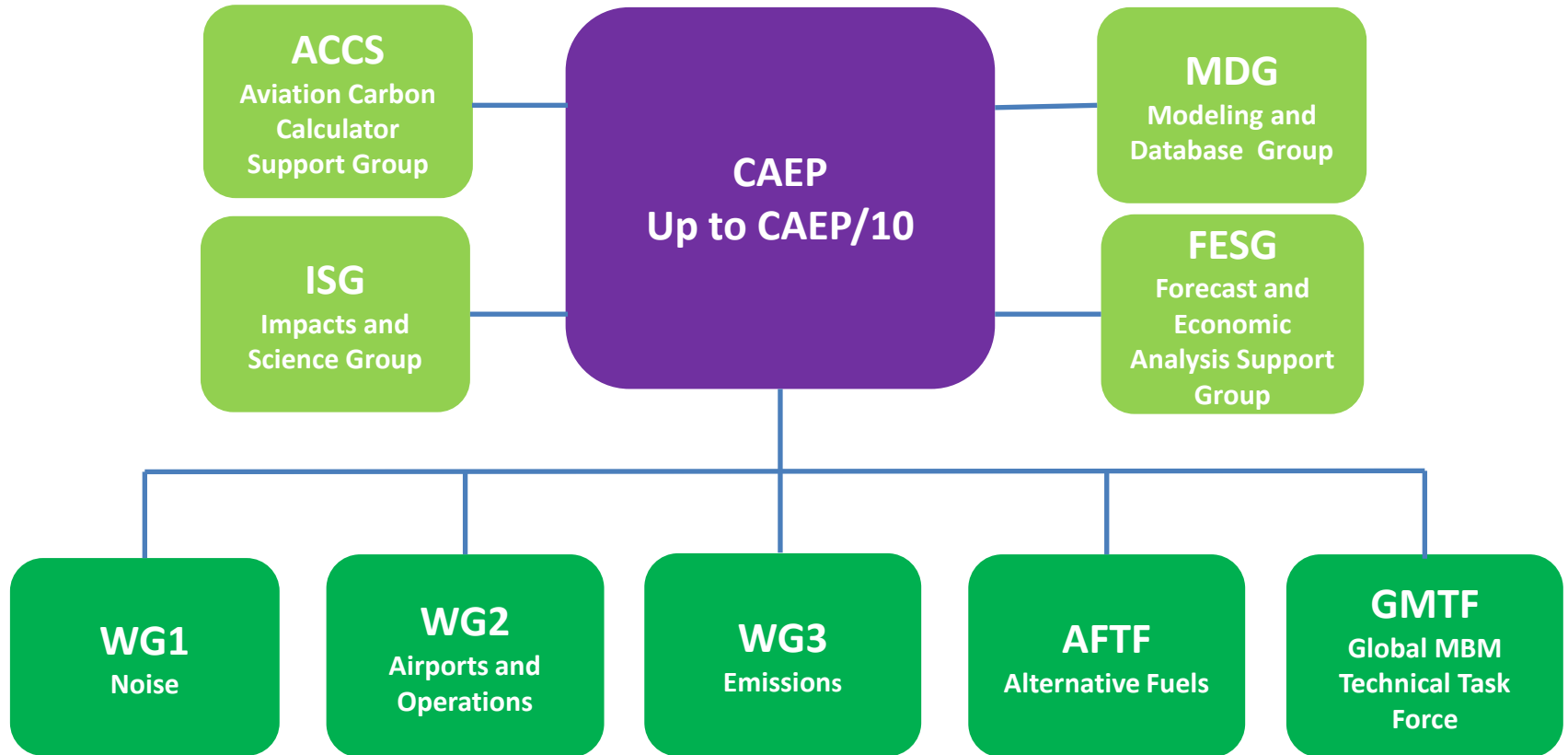
### Members (23 States)

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 CO<sub>2</sub> 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

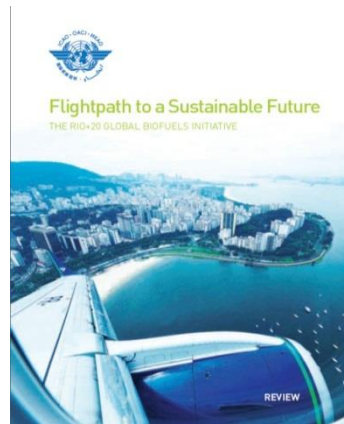
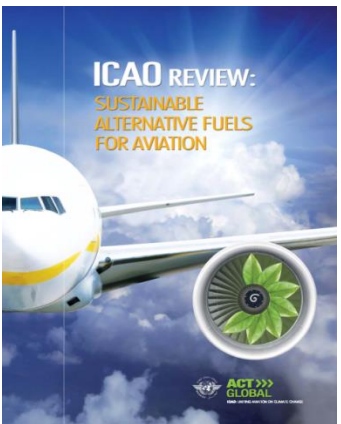
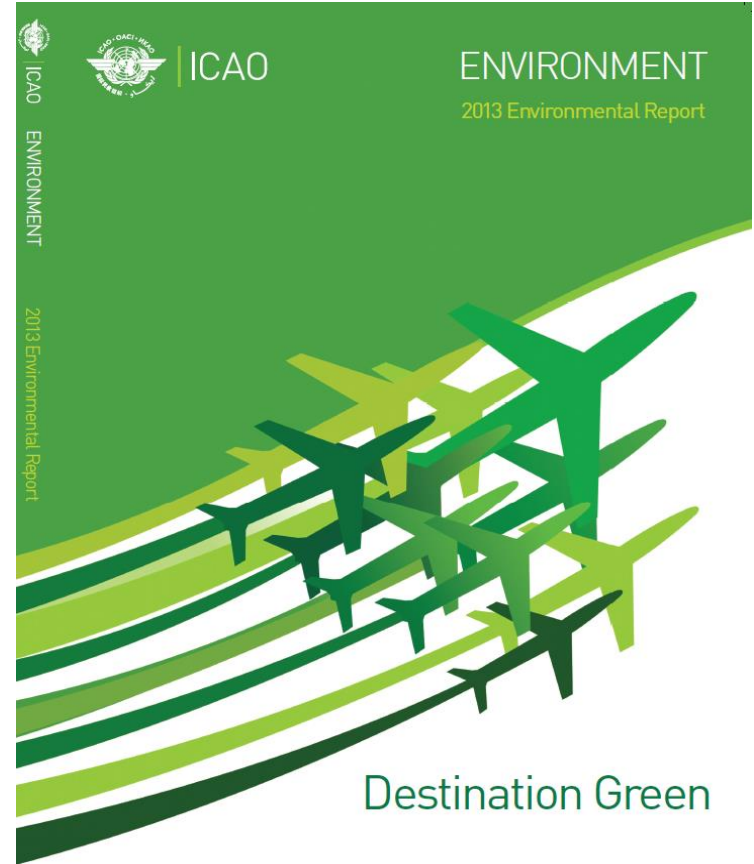
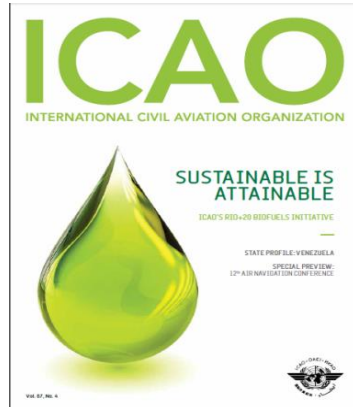
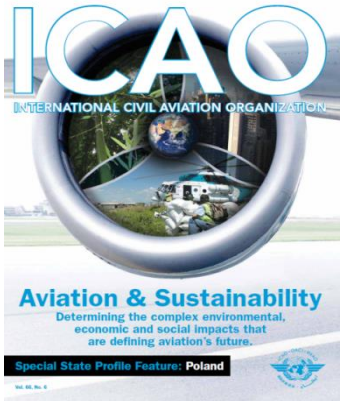
Impacts and  
Science

- 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>

