



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

RECONNECTING **THE** WORLD



ICAO

ENVIRONMENT

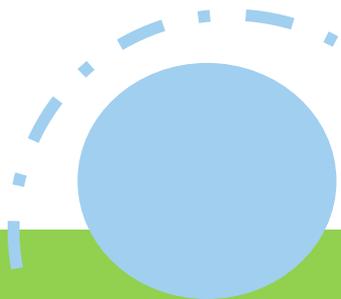


ICAO and Environmental Protection

ICAO/SASO ENV Workshop

Mbabane, Eswatini (24-27 Oct 2023)

Ms. Chinga Mazhetese
Regional Officer: Environment/ Meteorology
ICAO ESAF Office





1. ICAO ENV

ICAO Policies, SARPs and Guidance Material

2. ICAO ENV Goals

3. The CAEP

4. Q&A





Annexes to the Chicago Convention

- *Standards*
 - Considered necessary for the safety or facilitation of international aviation
 - States are expected to adopt own regulations based on ICAO's standards
 - However, States often “file differences”
- *Recommended Practices*
 - Considered desirable for safety or facilitation of international aviation



Standards and Recommended Practices (SARPS)

- 19 Annexes to the Convention establish international SARPS for:

Annex 1 – Personnel Licensing

Annex 2 – Rules of the air

Annex 3 – Meteorology

Annex 4 – Aeronautical Charts

Annex 5 – Units of Measure

Annex 6 – Operations of Aircraft

Annex 7 – Registration

Annex 8 - Airworthiness

Annex 9 – Facilitation

Annex 10 – Communications

Annex 11 – Air Traffic

Annex 12 – Search and Rescue

Annex 13 – Accident Investigation

Annex 14 – Aerodromes

Annex 15 – Aeronautical Information Services

Annex 16 – Environmental protection

Annex 17 – Security

Annex 18 – Dangerous Goods

Annex 19 – Safety Management



ICAO

ENVIRONMENT

The ICAO ENV goals



- ICAO serves as a multilateral platform for cooperation on international aviation environmental protection.
- Over the years, ICAO Member States have agreed to concentrate their aviation environmental collaboration on three core areas:
 - Climate change and aviation emissions
 - Aircraft noise
 - Local air quality



ICAO

ENVIRONMENT

Committee on Aviation Environmental Protection (CAEP)



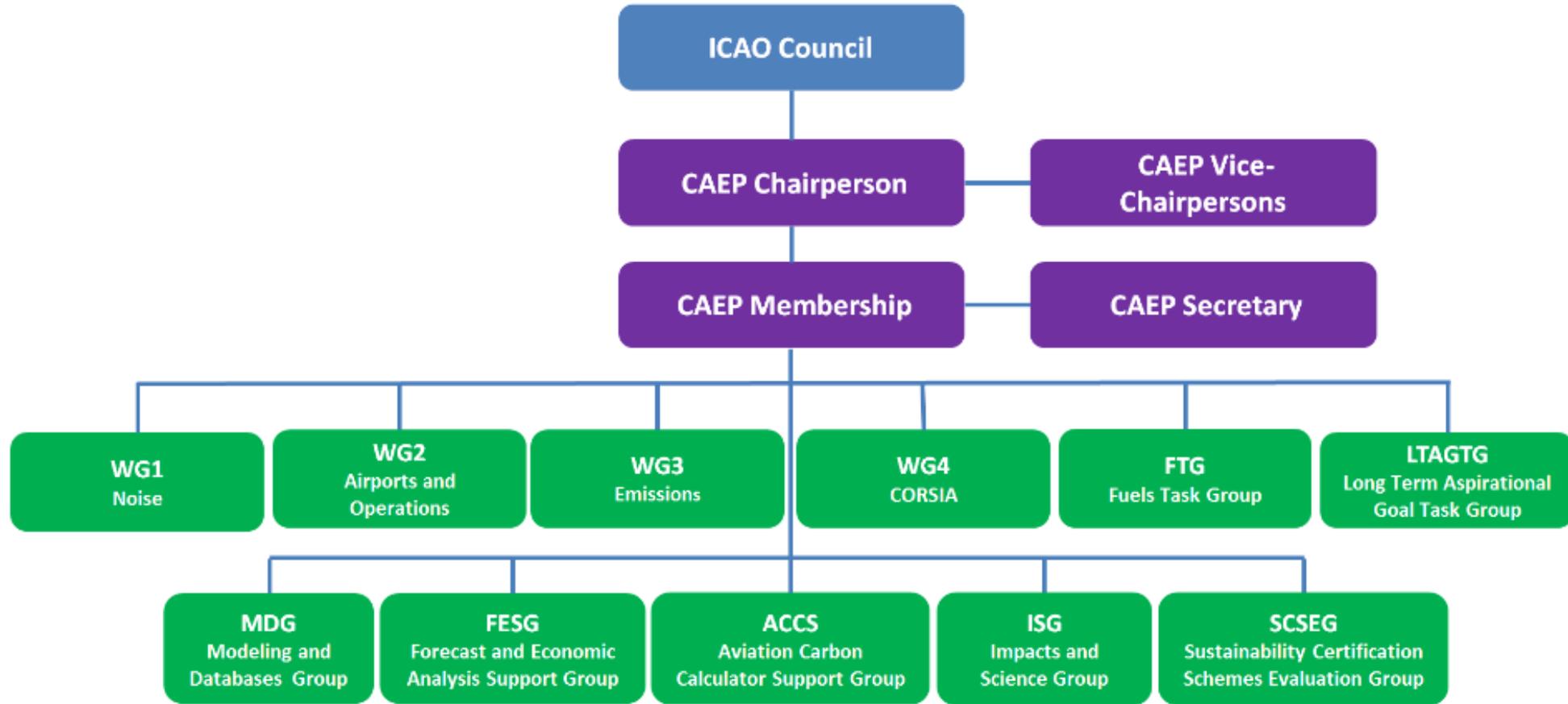
- established in 1983.
- assists the Council in formulating new policies and adopting new Standards and Recommended Practices (SARPs) related to:
 - aircraft noise and emissions, and more generally to aviation environmental impact.
- scope of activities encompasses **noise, local air quality (LAQ) and the basket of measures** for reducing international aviation CO₂ emissions,
 - including aircraft technology, operational improvement, sustainable aviation fuels and market-based measures (CORSIA).
- The Council reviews and adopts CAEP recommendations,
 - including amendments to the SARPs, and in turn reports to the ICAO Assembly



CAEP Structure



CAEP Structure (Leading up to CAEP/13 in 2025)





ICAO

ENVIRONMENT

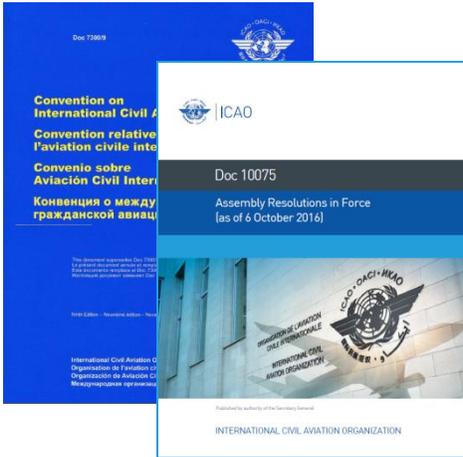
CAEP Members and Observers



- As of May 2023, CAEP is composed of
 - 31 Members from all regions of the world and
 - 22 Observers.
- More than 1200 internationally-renowned experts are involved in CAEP activities and working groups.
- From Africa (Members):
 - Cote d'Ivoire
 - Egypt
 - Kenya
 - Nigeria
 - South Africa
- No Observer States from Africa
- AFCAC is one of the Regional State Organisations



ICAO Policy



ICAO Standards and Recommended Practices (SARPs)



ICAO Guidance



Chicago Convention
ICAO Assembly Resolutions A41-20, A41-21 and A41-22:
 Consolidated statement of continuing ICAO policies and practices related to environmental protection

Annex 16 - Environmental Protection:
Volume I, Aircraft Noise
Volume II, Aircraft Engine Emissions
Volume III, Aeroplane CO₂ Emissions
Volume IV, CORSIA

Various guidance on noise, LAQ and climate change, e.g.:
 Environmental Assessment of Proposed ATM Operational Changes (Doc 10031)
 Environmental Technical Manual Volumes I- IV (Doc 9501 Vol IV)



ICAO

ENVIRONMENT



QUESTIONS??



Thank You