

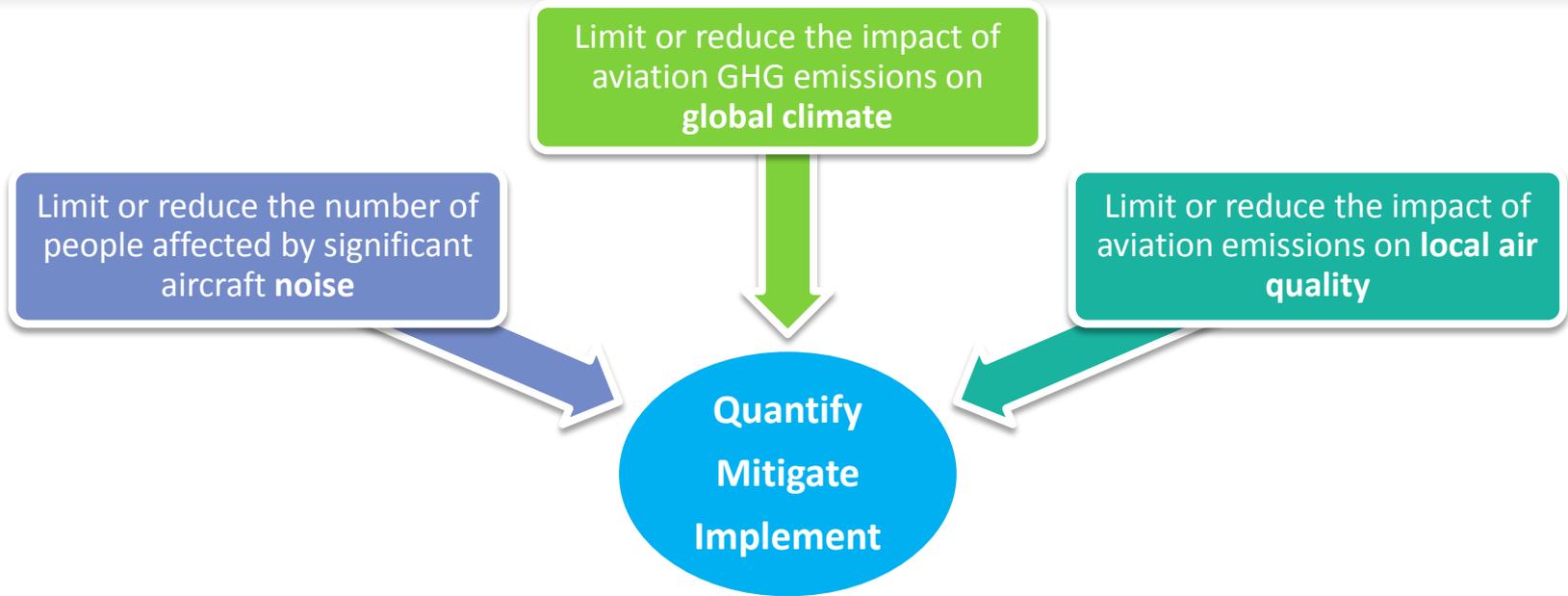


ICAO | UNITING AVIATION



51st Conference of Directors General of Civil Aviation Asia and Pacific Regions

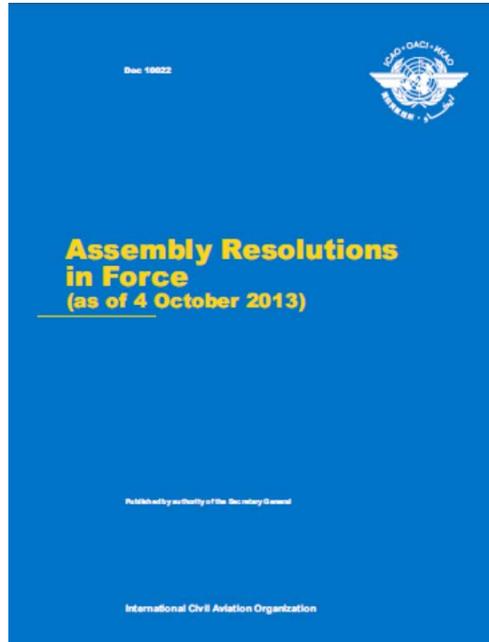
Agenda Item 3.5: Aviation and Environment



Minimize the adverse effect of global civil aviation on the environment



ICAO Policies on Environment



- **A38-17:** Consolidated statement of continuing ICAO policies and practices related to environmental protection – General provisions, noise and local air quality
- **A38-18:** Consolidated statement of continuing ICAO policies and practices related to environmental protection – Climate change



ICAO SARPs (Standards And Recommended Practices) and Guidance

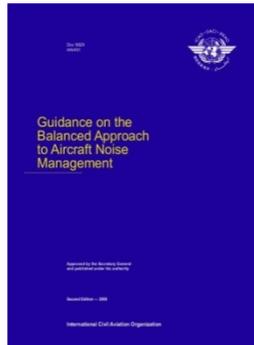


ICAO SARPs

Annex 16 – Volume I, Aircraft Noise

Annex 16 – Volume II, Aircraft Engine Emissions

Annex 16 – Volume III, Aircraft CO₂ Emissions
(under development)



ICAO Guidance (examples)

NOISE – *Guidance on the Balanced Approach to Aircraft Noise Management* (Doc 9829)

EMISSIONS – *Airport Air Quality Manual* (Doc 9889)



Basket of Measures to reduce aviation emissions

- Aircraft-related technology development
- Improved air traffic management and infrastructure use
- More efficient operations
- Market-based measures (MBMs)
- Sustainable alternative Fuels





States' Action Plans to reduce aviation CO₂ emissions

- **For States**

Opportunity to identify and communicate measures to address CO₂ emissions from international aviation as well as any assistance needs to implement the measures



- **For ICAO**

Assess the global progress towards the achievement of aspirational goals and address specific assistance needs of States.

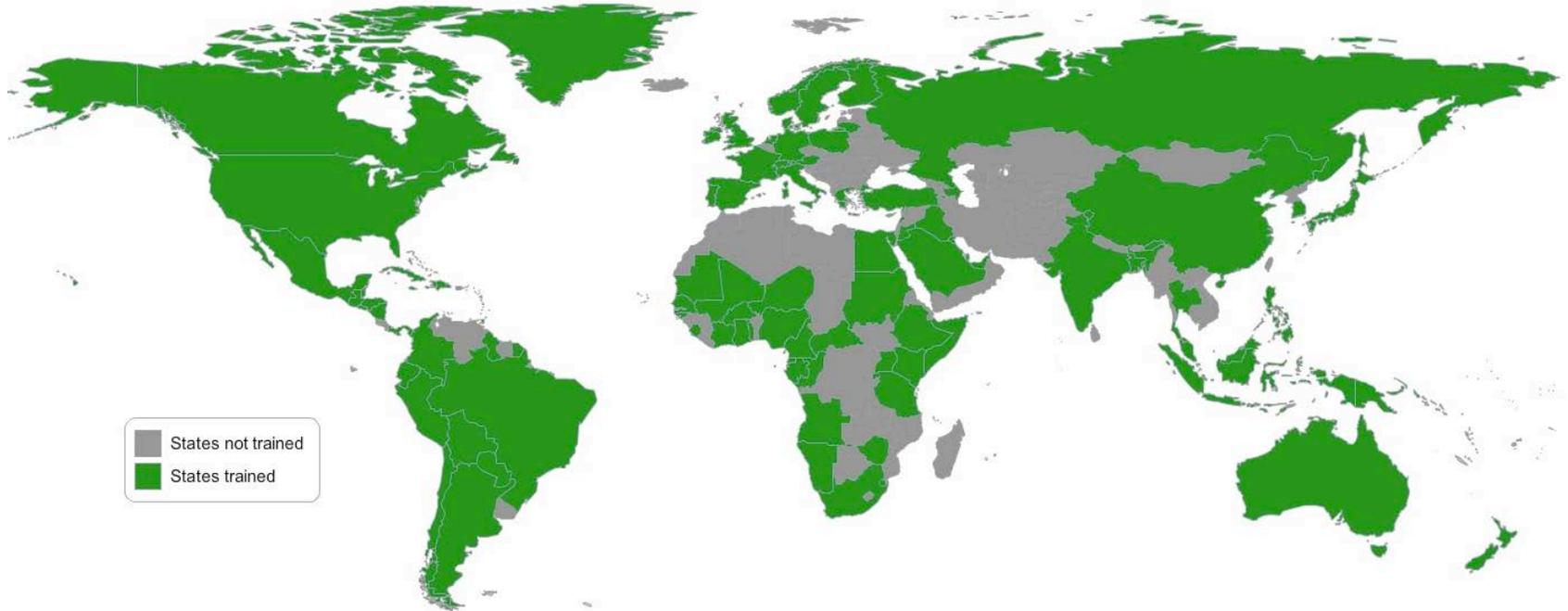


States' Action Plans – ICAO Capacity Building Programme

- **ICAO Guidance Document on the Development of States' Action Plans (Doc 9988)**
- **ICAO Interactive Web-Interface – APER website**
- **Hands-on Training seminars in all ICAO Regions**
- **Over 200 Teleconferences and Meetings with States' Focal Points**
- **Support provided by ICAO Regional Offices and Technical Cooperation Bureau**



States trained up to September 2014





74 States, representing around 82% international RTK , submitted a first action plan as of September 2014



- 74 States submitted an Action Plan by June 2014
- Remaining States



APAC Seminar October 2014

- 12 States from APAC Region participated
- Presentations from 6 States from the region on planned updates to their Action Plans – sharing information and best practices
 - Wide range of measures being explored
 - All States working to quantify their expected results and re-submit by June 2015



States' Action Plans - Key Achievements

- 99 States trained, 160 States contacted by phone, 74 States' Action Plans submitted.
- Substantial support and engagement by States in developing Action Plans in a short time
- Many synergies for action generated - Involvement of different actors
- Improvement of the knowledge and experience acquired

States are invited to update and submit their action plans to ICAO once every three years.



More support needed

However there are needs for:

- Further training of new State Focal Points
- Translation of material, guidance, tools, etc. in all languages
- More assistance to States

Support from States:

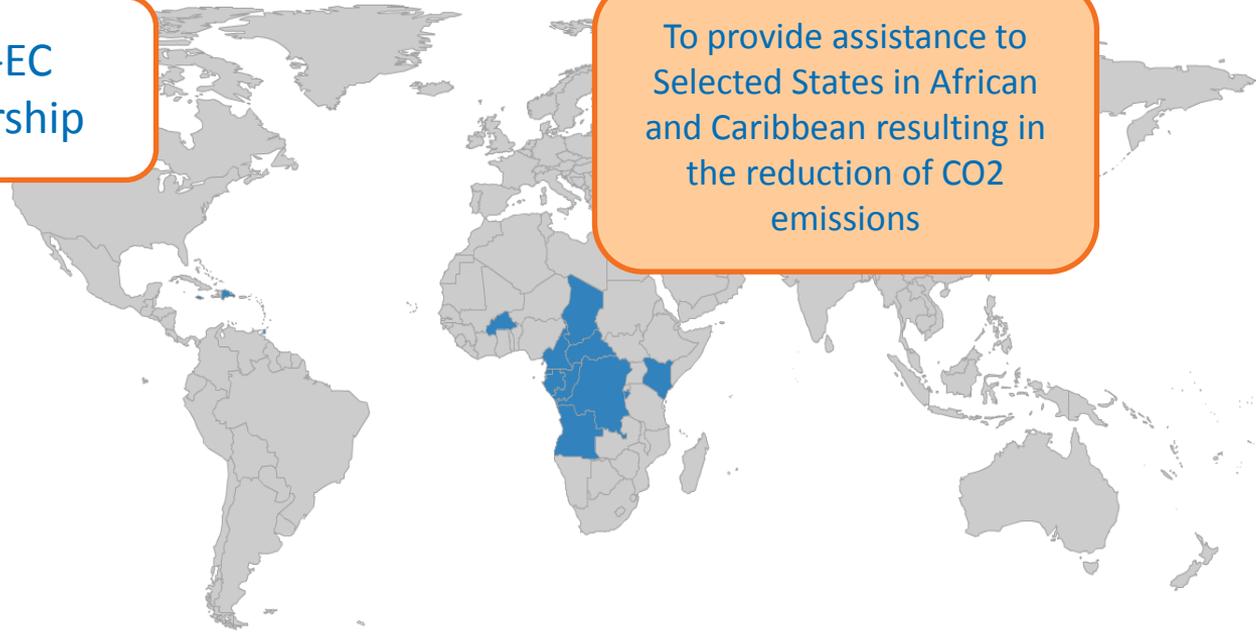
- Ensure retention of knowledge within the DGCA's (less HR rotation)
- Voluntary funding earmarked for the Action Plan/Assistance to States initiative



ICAO's work on Assistance

ICAO-EC
Partnership

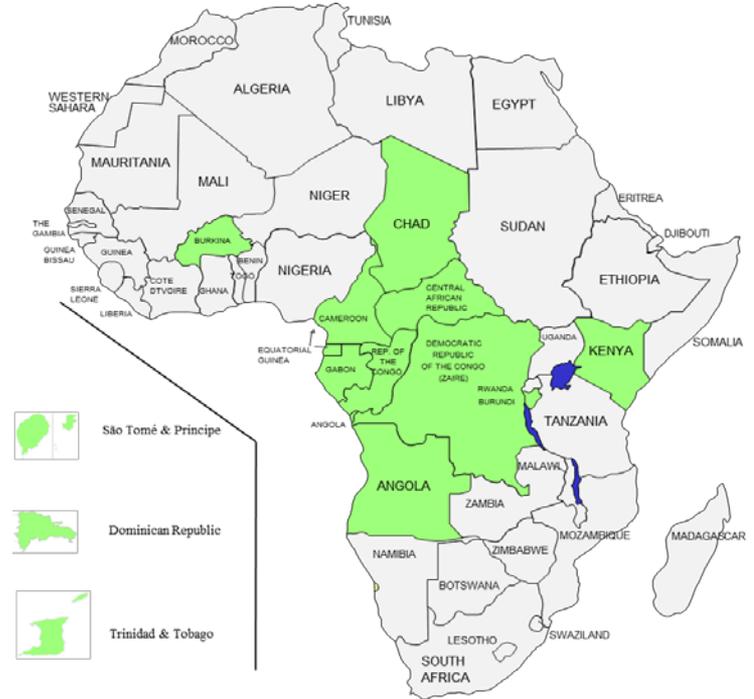
To provide assistance to
Selected States in African
and Caribbean resulting in
the reduction of CO2
emissions





ICAO-EC partnership to assist Member States – 6.5 Million Euros

ICAO African Region	ICAO Caribbean Region
10 ECCAS States	Dominican Republic
Burkina Faso	Trinidad and Tobago
Kenya	





ICAO's work on Assistance

ICAO UNDP Partnership
(with GEF financing)

To provide assistance to
developing countries and Small
Islands States – Jamaica -
resulting in the reduction of
CO2 emissions





ICAO – UNDP – GEF Project

- Objective: To provide assistance to developing countries and Small Islands Developing States (SIDS) in reducing aviation emissions
- ICAO developed a Project Identification Form (PIF)
- PIF approved by GEF in 2013
- 50,000 USD allocated to develop Project Description Document
- 2 Million dollars assistance project



Next Steps

From October 2014

Regional workshops in APAC Region

Encourage States to submit new and updated action plans by the end of June 2015

ICAO EC- Assistance Project - Inception report finalized

ICAO UNDP Assistance Project to be approved

2015

Regional workshops in EUR NAT and MID Regions

End of June 2015 – submission of new and updated action plans

ICAO EC- Assistance Project – first and second area of activities to be initiated

ICAO UNDP Assistance Project to be started

2016

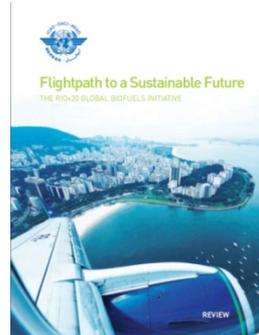
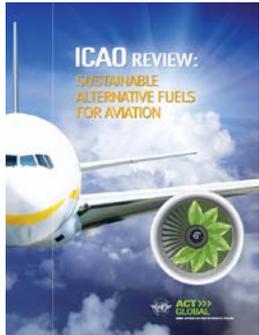
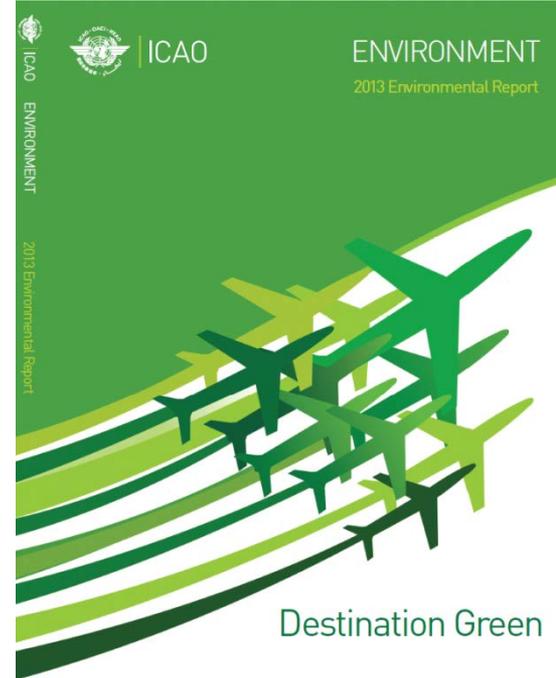
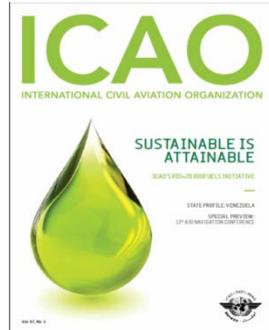
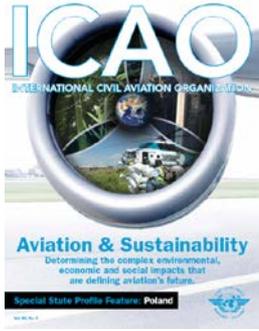
Report to the Assembly the results of the new submitted and updated action plans and the results of the Assistance projects

ICAO EC- Assistance Project – third area of activities to be initiated



Conclusions

- ICAO Work priorities on environment are:
 - State action plans and assistance
 - Sustainable alternative fuels for aviation
 - Market-based Measures (MBMs)
 - Global aspirational goals
 - CO2 Standard expected to be developed by 2016; and
 - work in cooperation with other UN bodies in particular in support to the UNFCCC process
- Climate change will remain the main challenge on the ICAO environmental activities in the upcoming years.



For more information on our activities, please visit www.icao.int/env