



Assistance to States

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Environment Branch,
ICAO Air Transport Bureau



□ Assembly Resolution A38-18 required ICAO Council

Facilitate access to existing and new financial resources, technology transfer, and capacity building for developing countries

Consolidate and build on the partnership with other International Organizations to meet the assistance needs of ICAO's member States

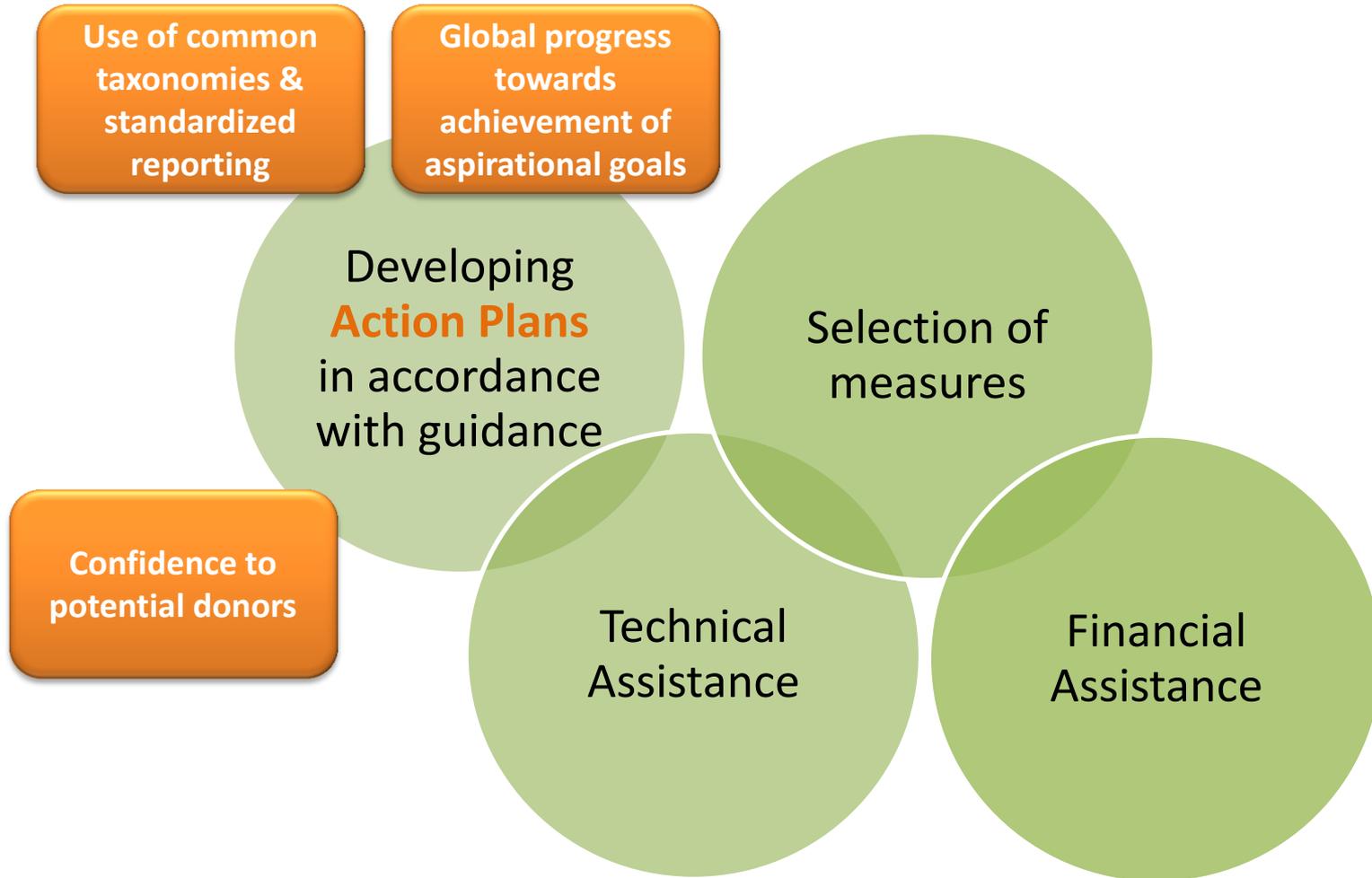
Initiation of specific measures to assist developing States

Synergies and constructive engagement among ICAO, Member States, stakeholders and other international organizations

Assistance to Members States through dissemination on best practices and the provision of guidance

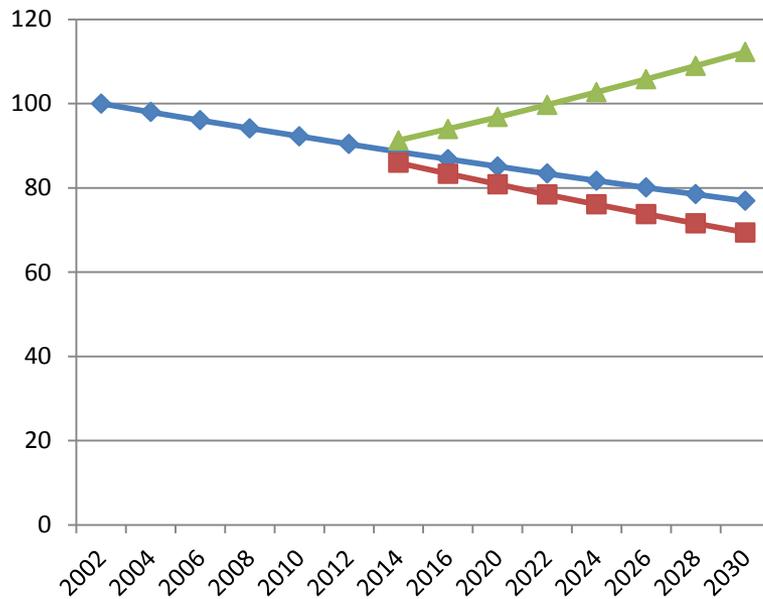


What Assistance?



In the context of action plans, baseline is the level of fuel consumption and traffic (RTK) that can be expected across a time horizon (2020, 2050) assuming the continuance of trends observed in the past.

FB/RTK of State ABC



- **Baseline year**
- **The Fuel consumption per RTK is showing a declining linear trend**
- **Taking action, would help to reduce FB/RTK (Downward slope)**
- **Not doing anything would lead to higher FB/RTK (Upward slope)**





The State has a choice of measures that it can take to achieve its Stated Goals, compared to its baseline or base year scenario.



Given a basket of measures the State will usually select the measure which will give maximum CO₂ savings for each \$ spent.



Ranking each measure according to US\$ cost/ CO₂ Savings is the first step.

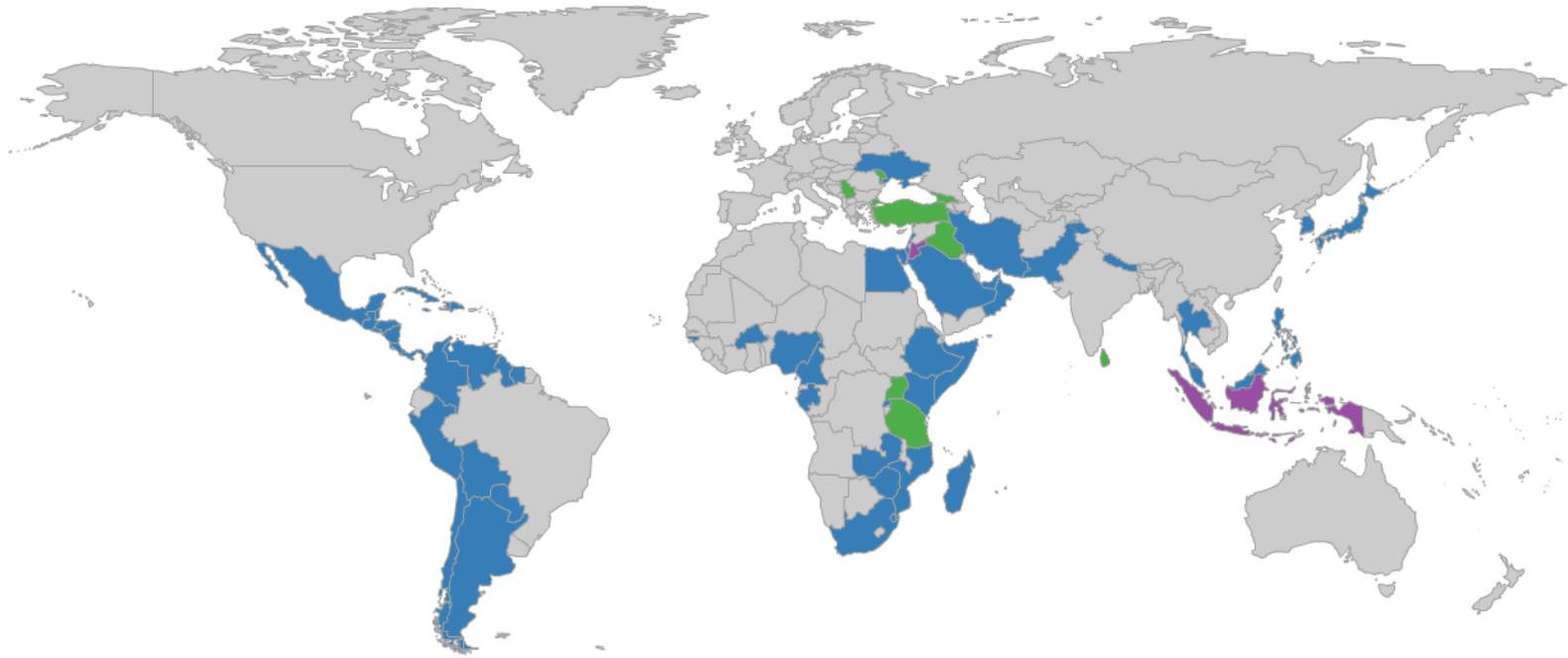


Starting with the most cost effective the State can add more steps in the order of their cost effectiveness till it achieves its goals.





Request for Assistance



-  Assistance requested to ICAO /ENV to develop Action Plan
-  Assistance requested to ICAO/TCB/ENV to develop/implement Action Plan
-  Assistance requested to ICAO for the implementation of measures identified through Action Plan



■ Indonesia

Assistance requested in the development and the implementation of environmental measures for civil aviation including the improvement of the management and reduction of aviation carbon emissions:

- improvements on emissions reduction, operational programmes, more efficient airspace design, advice on appropriate market-based measures, initiatives relating to alternative fuels

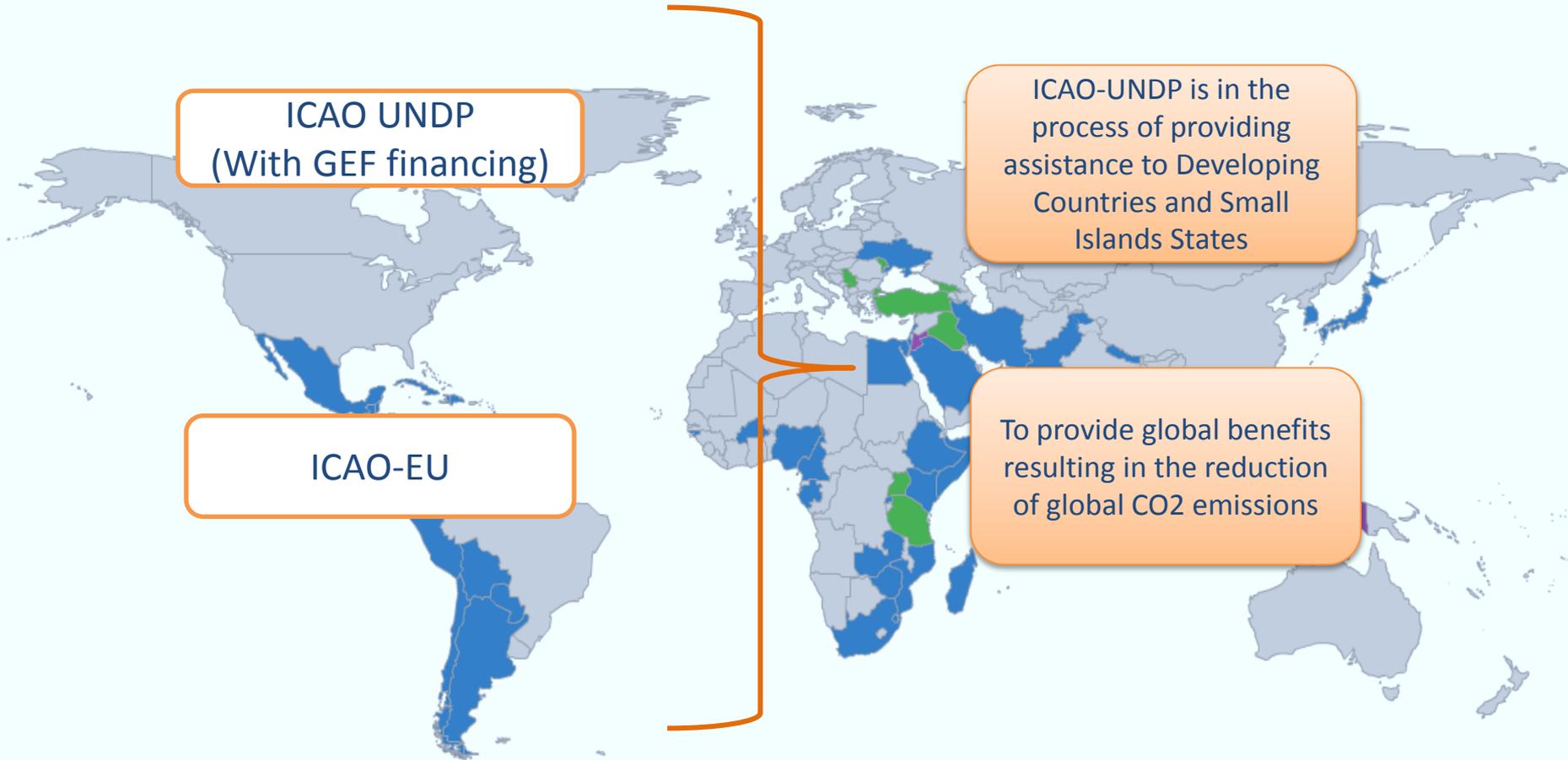


MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION



INDONESIA'S ACTION PLAN ON AVIATION AND CLIMATE CHANGE AND CO₂ EMISSIONS REDUCTION
A. National Action Plan of CO₂ Emissions Reduction On Air Transportation Sector







ICAO Carbon Emissions Calculator

Allows passengers to estimate CO₂ emissions from their air travel



ICAO Green Meetings Calculator

To support decision making in minimizing CO₂ emissions from air travel to attend meetings



ICAO Fuel Savings Estimation Tool (IFSET)

To assist States to estimate fuel savings from operational improvements



- Provision of Guidance Materials
- Hands-on Training Workshops
- Hands-on Training Seminars
- Training on line: Over 20 teleconferences and meetings with States' Focal Points
- Technology Implementation: GEF & UNDP Project
- In house training to States [Mexico, South Africa, SIDS]
- ICAO Environmental Report

- Document for the Development of States' Action Plans (Doc 9988) under revision
- Guidance Materials for the Development of States Action Plans A37-19
- Guidance Materials for the Development of States Action Plans A38-18



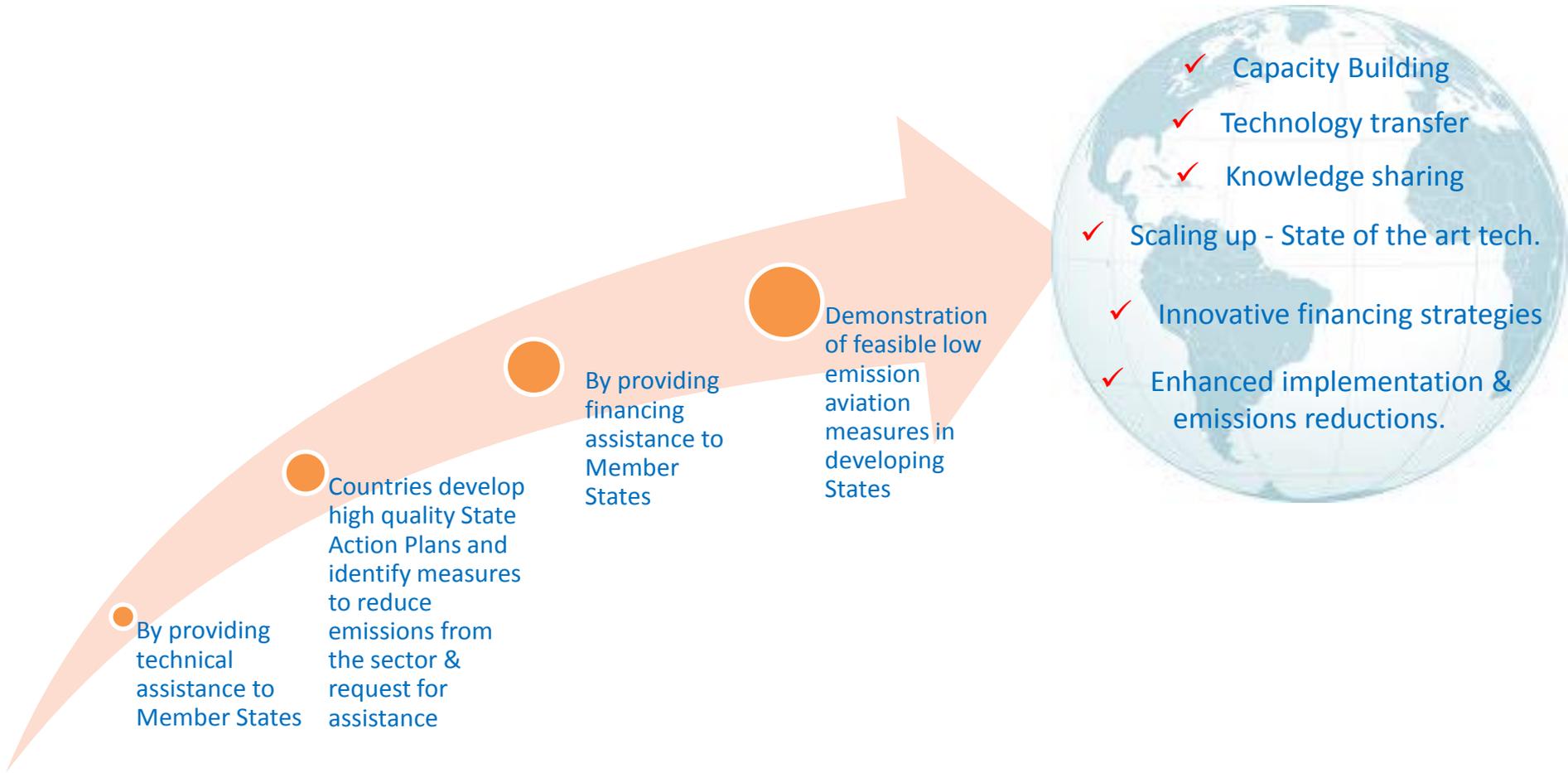
Financing coordination with donor

- GEF- UNDP: USD \$ 1.95 M
- EU: €6,500,000





Conclusion





ICAO

ENVIRONMENT

QUESTIONS?

THANK YOU!

