



ICAO

ENVIRONMENT



Financing

Assistance and Financing for International Aviation Emissions Reductions

Blandine Ferrier
Environment



- 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



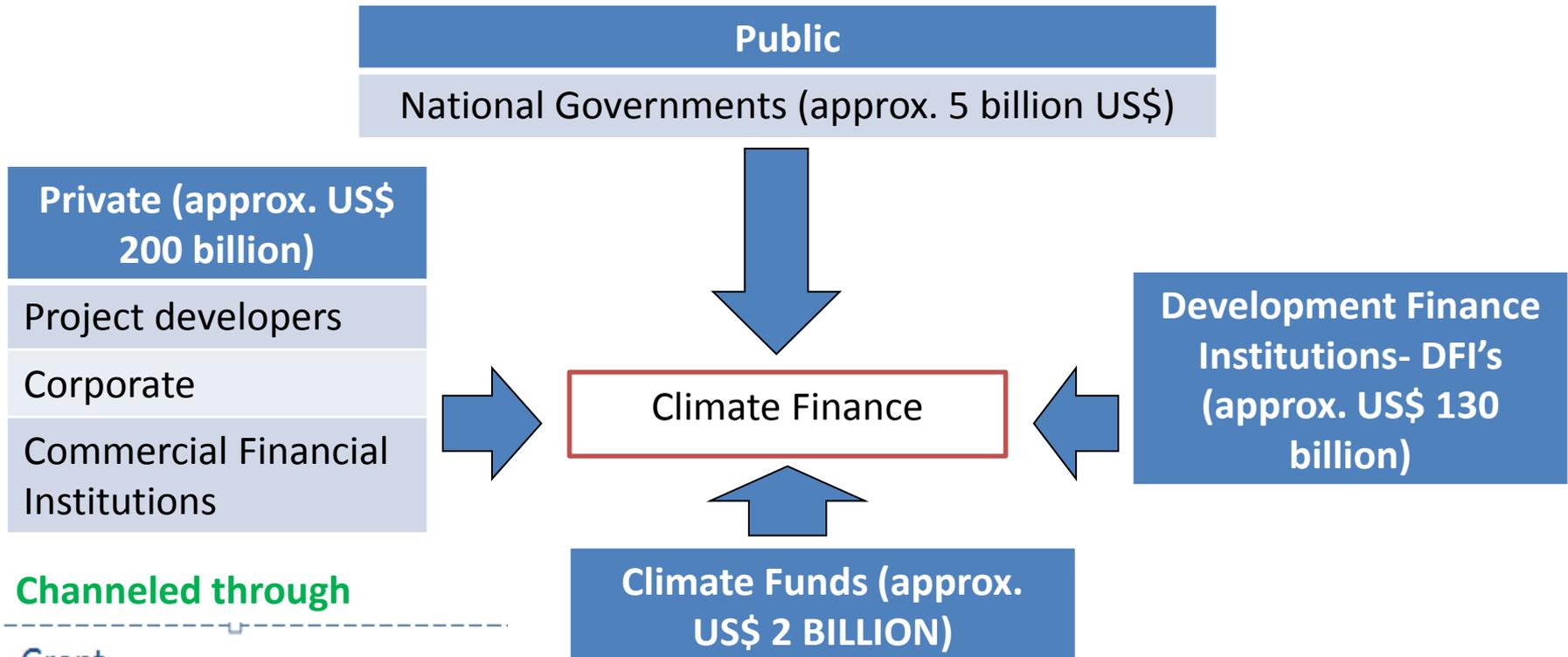
Adaption Measures:
 Those activities undertaken by stakeholders to manage the consequences of climate change.

| Fund | Purpose | Administered by |
|---------------------------------------|---|-----------------------------------|
| Least Developed Countries Fund (LDCF) | Support the preparation and implementation of NAPAs (National Adaptation Program of Actions) | Global Environment Facility (GEF) |
| Adaptation Fund (AF) | Support long term adaptation measures to impacts of climate change | Global Environment Facility (GEF) |
| Global Climate Change Alliance (GCCA) | Bilateral initiative of the European Union to support most vulnerable countries to adapt to the effects of climate change | European Commission (EC) |
| Green Climate Fund (GCF) | Mechanism to transfer money from the developed to developing countries to assist them in their adaptation and mitigation measures | UNFCCC |

2012 Adaptation Financing was USD \$20-24 billion as part of the total USD \$ 359 billion for Annual Global Climate Finance



2012 Annual Global Climate Finance for Mitigation in all Sectors USD \$ 340 billion (Source CPI)



Channeled through

- Grant
- Low Cost debt
- Market rate debt (Loans, Bonds)
- Equity, Venture Capital.
- Infrastructure Funds





Sources for Mitigation Finance (DFI's)

MULTILATERAL DEVELOPMENT BANKS

| | |
|------|--|
| AfDB | African Development Bank |
| AsDB | Asian Development Bank |
| IADB | Inter-American Development Bank |
| EBRD | European Bank for Reconstruction and Development |
| EIB | European Investment Bank |
| IFC | International Finance Corporation |
| WB | World Bank (IDA and IBRD) |
| NIB | Nordic Investment Bank |

NATIONAL & SUB-REGIONAL DEVELOPMENT BANKS

| | |
|------------|---|
| BANOBRAS | Banco Nacional de Obras y Servicios Publicos SNC |
| BNDES | Brazilian Development Bank |
| CAF | Development Bank of Latin America |
| KfW | KfW Mittelstandsbank; KfW Privatkundenbank; KfW Kommunalbank; KfW Ipex-Bank |
| CDB | China Development Bank |
| BANCOLDEX | Banco de Comercio Exterior de Colombia S.A. |
| BCIE/CABEI | Central American Bank for Economic Integration |
| BE | Banco del Estado de Chile |
| BSTDB | Black Sea Trade and Development Bank of Greece |
| CDG | Caisse de Dépôt et de Gestion, Morocco |
| Exim | Indonesia Exim Bank |
| HBOR | Croatian Bank for Reconstruction and Development |
| KoFC | Korea Finance Corporation |
| NAFIN | Nacional Financiera |
| SIDBI | Small Industries Development Bank of India |
| TSKB | Industrial Development Bank of Turkey |
| VEB | Vnesheconombank, Russia |

BILATERAL FINANCE INSTITUTIONS

| | |
|----------------|---|
| AFD | - Agence Française de Développement - Proparco |
| BIO | Belgian Investment Company for Developing Countries |
| CDC | CDC Group plc - UK |
| COFIDES | Compañía Española de Financiación del Desarrollo |
| DEG | KfW Deutsche Investitions- und Entwicklungsgesellschaft |
| FINNFUND | Finnish Fund for Industrial Cooperation Ltd |
| FMO | Netherlands Development Finance Company |
| JBIC | Japan Bank for International Cooperation |
| JICA | Japan International Cooperation Agency |
| KfW | KfW Entwicklungsbank |
| NADB | North American Development Bank |
| Norfund | Norwegian Investment Fund for Developing Countries |
| OeEB | The Development Bank of Austria |
| OPIC | Overseas Private Investment Corporation |
| SIFEM / OBVIAM | Swiss Investment Fund for Emerging Markets |
| SIMEST | Società Italiana per le Imprese all'Estero |



CLIMATE FUNDS

Adaptation Fund (AF)

Clean Technology Fund (CTF)

Congo Basin Forest Fund (CBFF)

Forest Carbon Partnership - Readiness Fund (FCPF-RF)

Forest Investment Program (FIP)

GEF Trust Fund (GEF 5)

Global Climate Change Alliance (GCCA)

Global Energy Efficiency and Renewable Energy Fund

Least Developed Countries Fund (LDCF)





Example of GEF Focal Point

http://www.thegef.org/gef/focal_points_list

United Arab Emirates

Ms. Meshayel OMRAN ESSA

Operational Focal Point since 2014-12-05

Head of Climate Change

Ministry of Energy

Ministry of Energy

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United Arab Emirates

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- Have a mitigation Project
- Use the Action Plan Platform and guidance to Request for Assistance
- Coordinate with ICAO for assistance and facilitation
- Independently or using ICAO assistance tap Sources of Mitigation Finance to secure financing.





ICAO GENERAL ASSEMBLY
2010
Action Plans
Programme

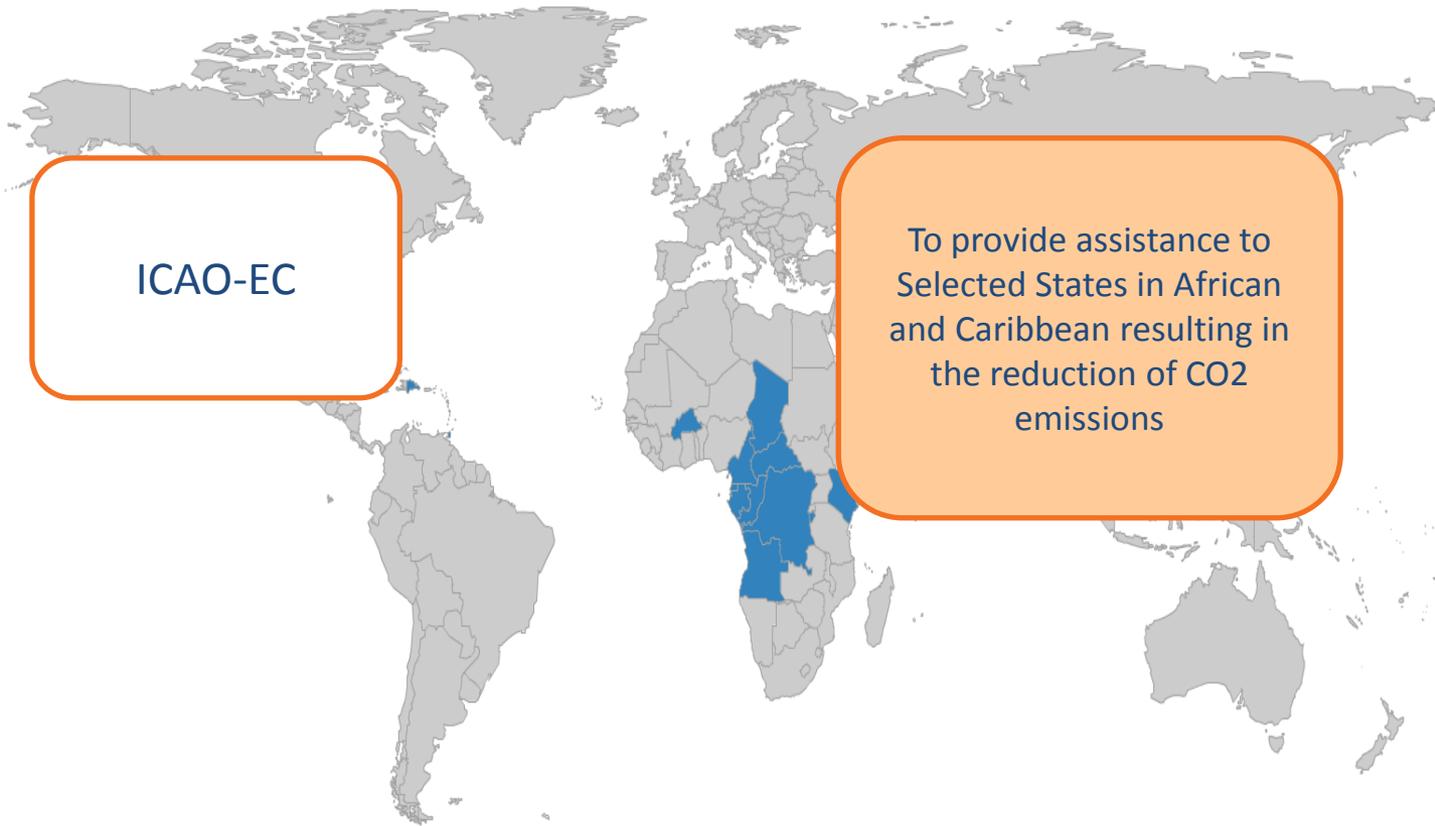
ICAO GENERAL ASSEMBLY
2013
Action Plans
submitted /
80%
emissions

Partnerships
Agreement
between
ICAO and
Other
Organizations





Global Assistance: ICAO-EC



ICAO-EC

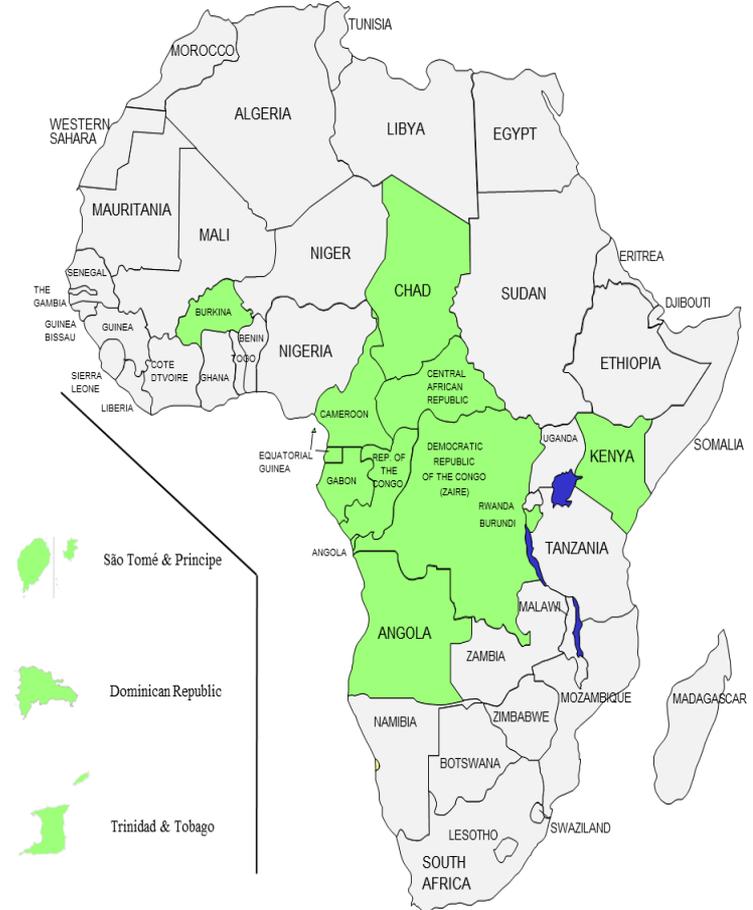
To provide assistance to Selected States in African and Caribbean resulting in the reduction of CO2 emissions





ICAO-EC partnership to assist 14 Member States – 6.5 Million Euros

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





To contribute to the mitigation of CO₂ emissions from international aviation in the selected States, by implementing capacity building activities that will support the development of low carbon air transport and environmental sustainability



SPECIFIC OBJECTIVE 1:

ACTION PLANS DEVELOPMENT

Improved capacity of the National Civil Aviation authorities to develop their Action Plan on CO2 emissions reduction from international aviation.

SPECIFIC OBJECTIVE 3:

IMPLEMENTATION OF MITIGATION MEASURES

Priority mitigation measures identified, evaluated and partly implemented.

SPECIFIC OBJECTIVE 2:

AVIATION ENVIRONMENTAL SYSTEMS (AES)

Efficient CO2 emission monitoring system for international aviation developed in each selected Member State.





AREA OF ACTIVITY 1

Capacity building for the development of State Action Plans

National Action Plan teams built in at least 10 selected Member States.

Including at least 2 members of staff in each national aviation authority/relevant stakeholder organizations trained to develop Action Plans.

Country specific ICAO Action Plans developed in at least 5 selected Member States and submitted to ICAO.



AREA OF ACTIVITY 2

Setting up aviation environmental systems and creating national emissions inventories for aviation

Aviation environmental system (AES) developed in the selected Member States.

At least 2 members from national authorities/relevant stakeholder organizations per selected Member State trained to work with the AES and to have the capacity to report on aviation emissions for States inventories.



- States selected and committed to participate
- State Focal Points for the project already nominated
- ICAO Project consultants and local consultants for Africa and the Caribbean recruited
- Inception report, new budget, new timeline/ work plan developed and approved
- National Action Plan Teams officially established in 11 States
- 1st Steering Committee in January 2015: Positive feedback received on the project progress
- Purchase/Installation of equipment for the State Focal Points
- Projects ‘Kick-off seminars’ in the Caribbean and in Africa

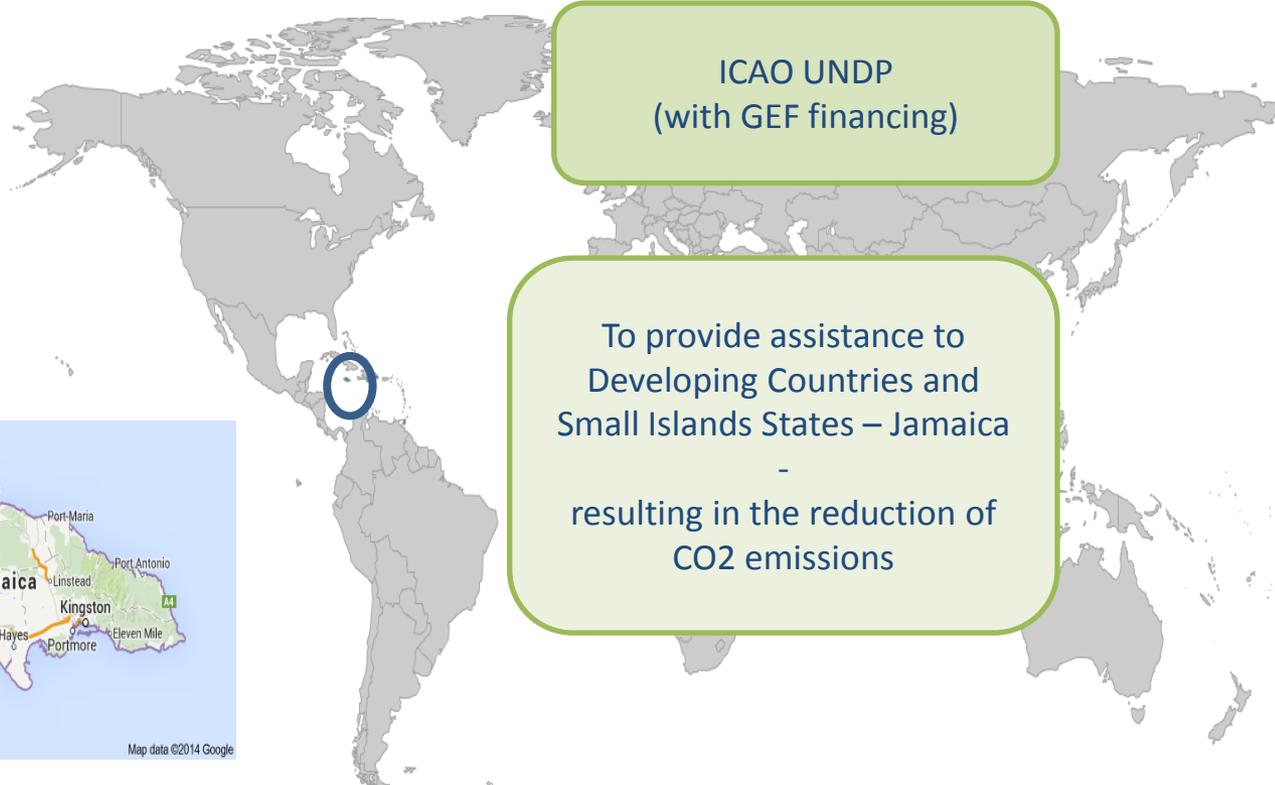
Next steps:

- AES to be finalized and implemented in selected States
- Action Plans submitted by September 2015





Global Assistance: ICAO-UNDP-GEF





- Objective:
To provide assistance to Developing Countries and Small Islands States resulting in the reduction of CO₂ 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





Project components:

1-Identification of low emissions aviation measures in developing States and SIDS;

2-Support developing States and SIDS to strengthen their national capacities and to improve their national processes and mechanisms for the reduction of aviation emissions;

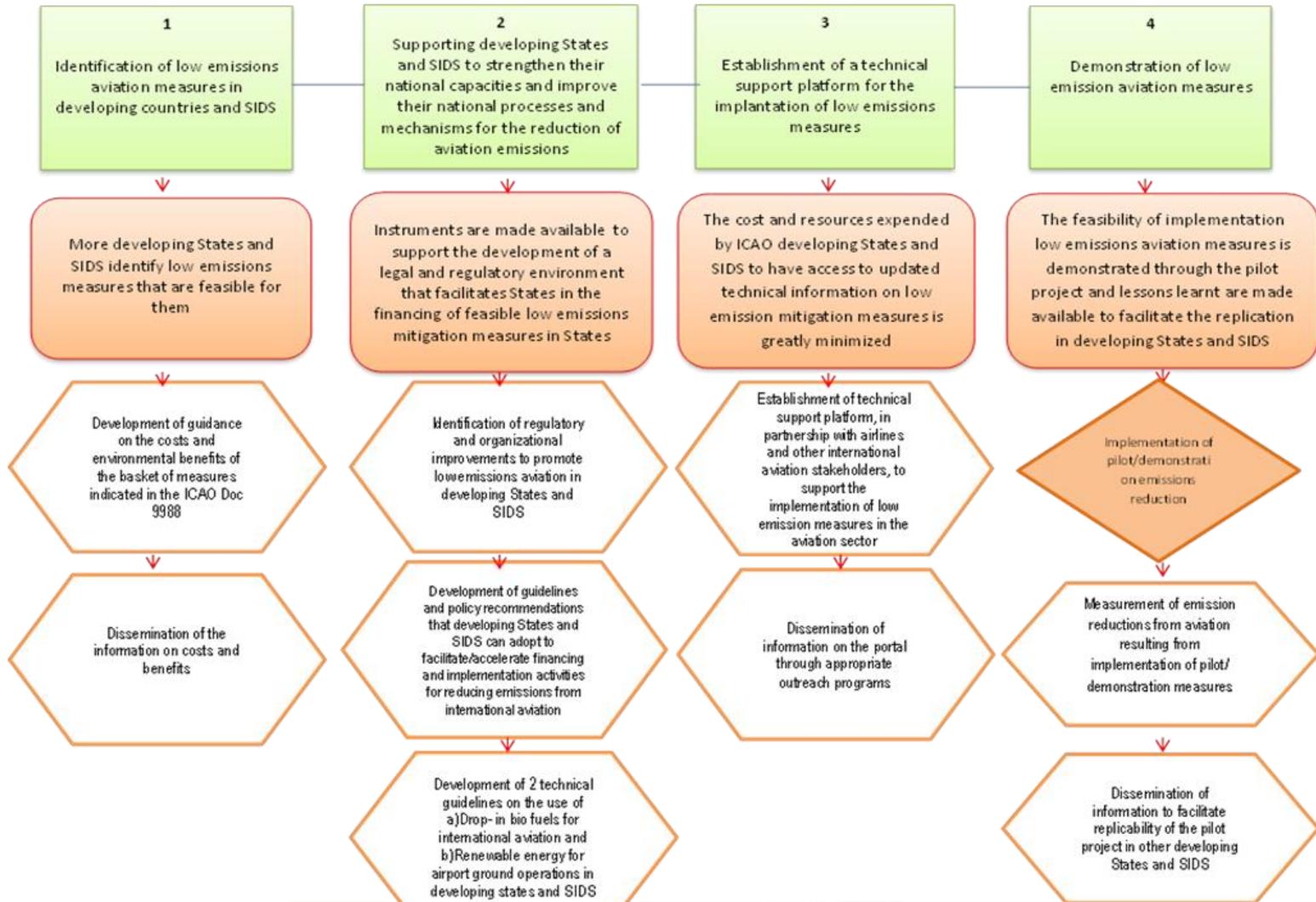
3-Establishment of a technical support platform for the implementation of low emissions measures;

4-Demonstration of low emissions aviation measures in developing States and SIDS – Pilot Project in Jamaica





ICAO – UNDP with GEF financing Project components

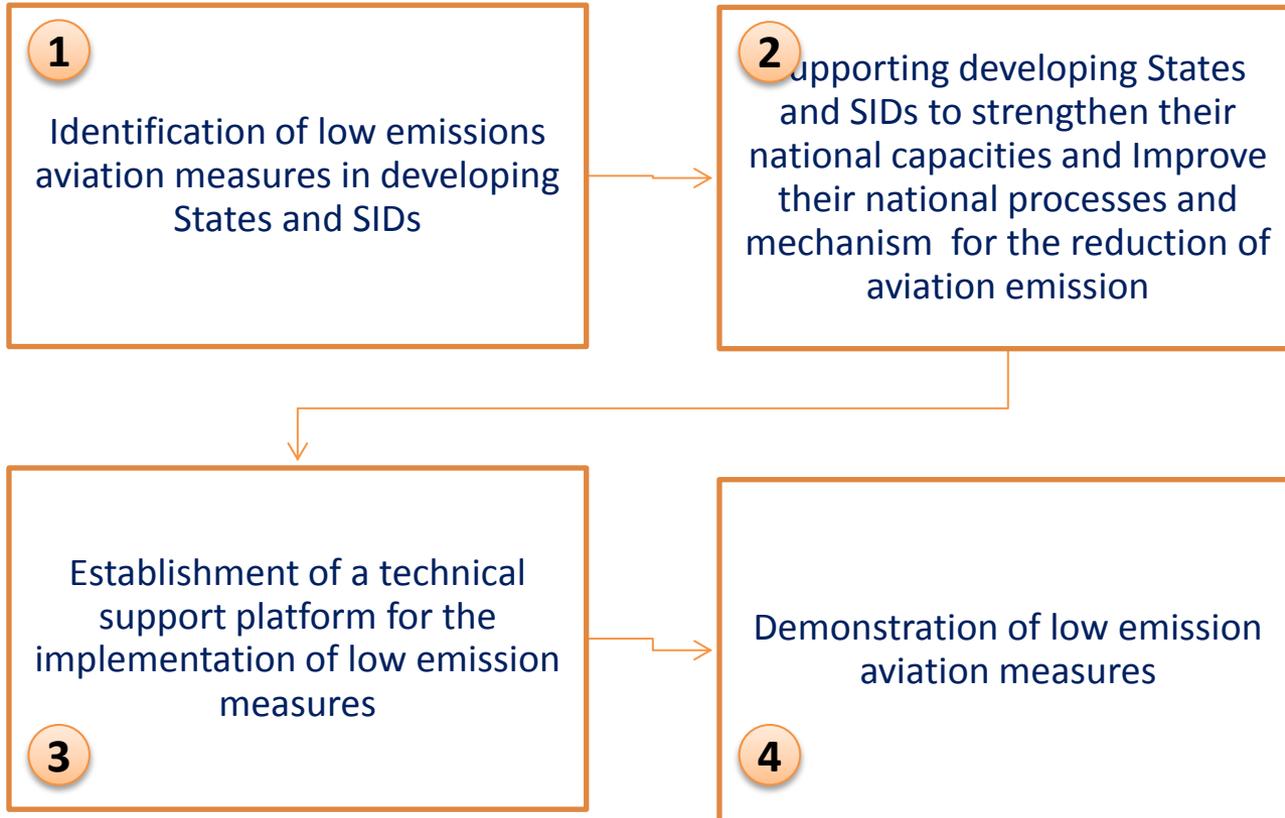


Note - Salient features of the project are subject to change as the project evolves and continues to develop.





- Salient features of Project





- Project Description Document submitted to UNDP in July 2014
- Approved by UNDP in August 2014
- Project Description Document approved by GEF in November 2014

Project expected to start Spring 2015





ICAO'S Key Role





ICAO's Assistance Strategy



- ✓ Knowledge sharing
- ✓ Capacity Building
- ✓ Facilitating green financing
- ✓ Enhanced implementation & emissions reductions.





ICAO

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QUESTIONS ?

Thank you!

