Global Aviation Dialogue



Market-based measure for aviation: an industry perspective

INTRODUCING: AVIATION IN LATIN AMERICA AND THE CARIBBEAN

226.5 million

Passengers

3.4 million

Flights

631

Airports

177

Airlines

29

ANSPs



\$153 billion

worth of GDP supported

840,000 million

Direct jobs in the sector

4.9 million



INTRODUCING: AVIATION IN AFRICA

69.8 million

Passengers

1.5 million

Flights

371

Airports

245

Airlines

38 ANSPs



\$80.5 billion

worth of GDP supported

428,000Direct jobs in the sector

6.9 million



INTRODUCING: AVIATION IN THE MIDDLE EAST

144 million

Passengers

1,240,000

Flights

131

Airports

64

Airlines

14

ANSPs



\$116 billion

worth of GDP supported

356,000 Direct jobs in the sector

2 million



INTRODUCING: AVIATION IN ASIA-PACIFIC

947.9 million

Passengers

9.6 million

Flights

906

Airports

355

Airlines

44

ANSPs



\$516 billion

worth of GDP supported

580,000 Direct jobs in the sector

24.2 million



INTRODUCING: AVIATION IN NORTH AMERICA

808 million

Passengers

12.2 million

Flights

866

Airports

167

Airlines

2 ANSPs



\$700 billion

worth of GDP supported

2.7 million

Direct jobs in the sector

8.3 million



INTRODUCING: AVIATION IN EUROPE

780.6 million

Passengers

9.4 million

Flights

959

Airports

387

Airlines

46

ANSPs



\$860 billion

worth of GDP supported

2.6 million

Direct jobs in the sector

11.7 million



THREE GOALS...

1.5%
IMPROVEMENT IN FUEL EFFICIENCY PER YEAR



STABILISE NET CO2
EMISSIONS FROM
THE SECTOR AT

2020
LEVELS THROUGH
CARBON-NEUTRAL
GROWTH



-50%

CO2 EMISSIONS

FROM AVIATION BY
2050 (2005

BASELINE)





FOUR PILLARS OF CLIMATE ACTION

TECHNOLOGY

(INCLUDING SUSTAINABLE ALTERNATIVE FUELS)

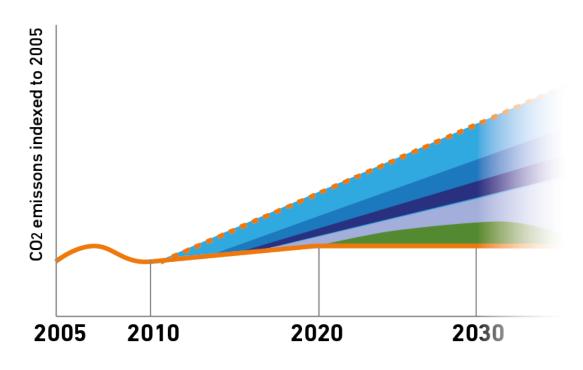
OPERATIONS

INFRASTRUCTURE

GLOBAL
MARKET-BASED
MEASURE



THE CLIMATE PLAN



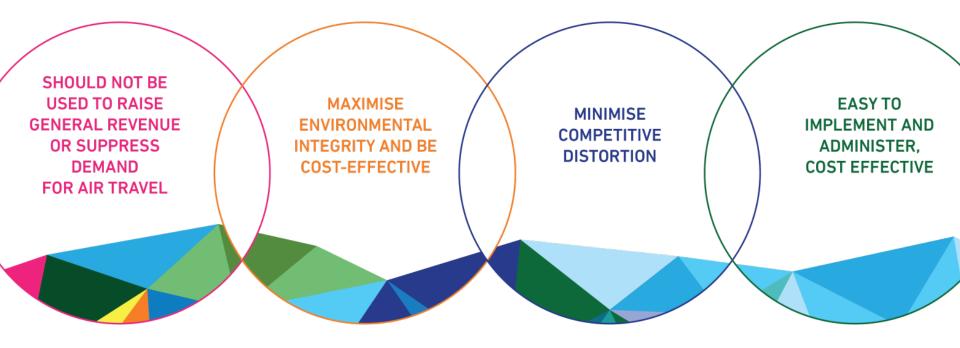
- KNOWN TECHNOLOGY, OPERATIONS AND INFRASTRUCTURE MEASURES
 - BIOFUELS AND ADDITIONAL NEW-GENERATION TECHNOLOGIES
 - ECONOMIC MEASURES

- NET EMISSIONS TRAJECTORY
- 'NO ACTIONS' TRAJECTORY



A GLOBAL MARKET-BASED MEASURE FOR AVIATION: **THE PRINCIPLES**

A global MBM should be guided by the following principles:





A GLOBAL MARKET-BASED MEASURE FOR AVIATION: CARBON OFFSETTING

A global carbon offsetting scheme is the industry's stated preference because it is:









AIRLINE EXPERIENCE WITH OFFSETTING

- » Many airlines have launched their own programmes
- » Voluntary schemes for passengers to purchase carbon offsets
- Investment in carbon reduction projects that generate carbon credits

OFFSETTING BY ONE MID-SIZED EUROPEAN CARRIER IN 2013:

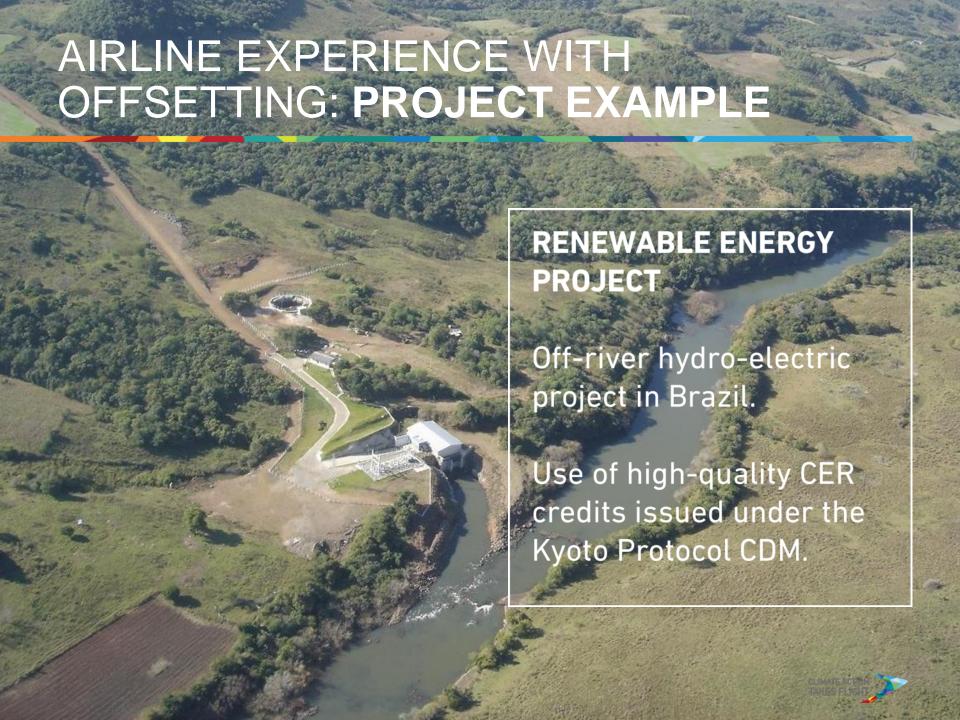
70,000 offsets purchased

150 million kilometres offset

15 million kilogrammes of CO2 reduced







AIRLINE EXPERIENCE WITH OFFSETTING: PROJECT EXAMPLE



ICAO'S ROLE IN ADDRESSING AVIATION EMISSIONS

Industry supports the leading role of ICAO.

EAG and GMTF have achieved significant progress and demonstrated ICAO is the right forum to deal with aviation's emissions

International aviation is a global sector with very specific operational, commercial, financial and regulatory requirements requiring specific expertise



SUMMARY: INDUSTRY SUPPORT FOR A GLOBAL MBM

- » Industry has set itself ambitious goals
- » Strategy in place to meet them
- » ICAO work crucial to deliver aviation's responsibilities on climate change
- » Committed to working with everyone in this room to achieve that.



SUMMARY: AIRLINE EXPERIENCE WITH OFFSETTING

- » Voluntary carbon offsetting is already present in the aviation industry
- » Simple to implement and operate within strict quality guidelines
- » Brings benefits to developing countries
- » Mandatory offsetting
 - Delivers environmental integrity
 - Simple and transparent
 - Cost effective to the industry





For more information on industry climate action: www.enviro.aero