



# 39th TRIENNIAL ASSEMBLY

ICAO HQ, MONTRÉAL, 27 SEP-07 OCT 2016

# Key outcomes and their effect on global connectivity

### ICAO 39th Assembly



# Tackling the climate challenge









# Setting the strategic direction



GOAL 1

GOAL 2

GOAL 3

PRE-2020 AMBITION

1.5% ANNUAL AVERAGE FUEL EFFICIENCY IMPROVEMENT FROM 2009 TO 2020.



IN LINE WITH THE NEXT UNFCCC COMMITMENT PERIOD

STABILISE NET AVIATION CO<sub>2</sub> EMISSIONS AT 2020 LEVELS WITH CARBON-NEUTRAL GROWTH.

**DOO+**M

ON THE 2°C PATHWAY

REDUCE AVIATION'S NET CO<sub>2</sub> EMISSIONS TO 50% OF WHAT THEY WERE IN 2005, BY 2050.



# Making tactical improvements across the system

- TECHNOLOGY
- O OPERATIONS
- INFRASTRUCTURE
- M MARKET-BASED MEASURE



### TECHNOLOGY



ICAO CO2 Standard for new aircraft types from 2020

### TECHNOLOGY - Sustainable Alternative Fuels

Alternative Fuels could reduce CO<sub>2</sub> from airline operations by up to 80%.

Industry is working with supply chain, researchers, civil society to introduce sustainability standards.

Can be created from waste sources and non-food crops.

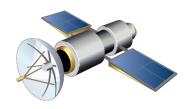
Over 5,500 commercial flights by end-2016.



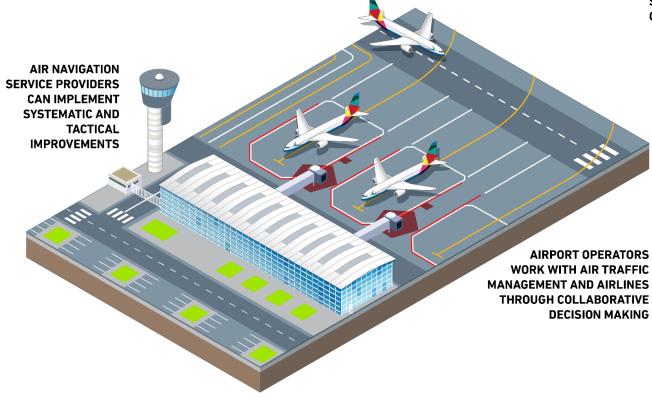
### **O** OPERATIONS



### **INFRASTRUCTURE**

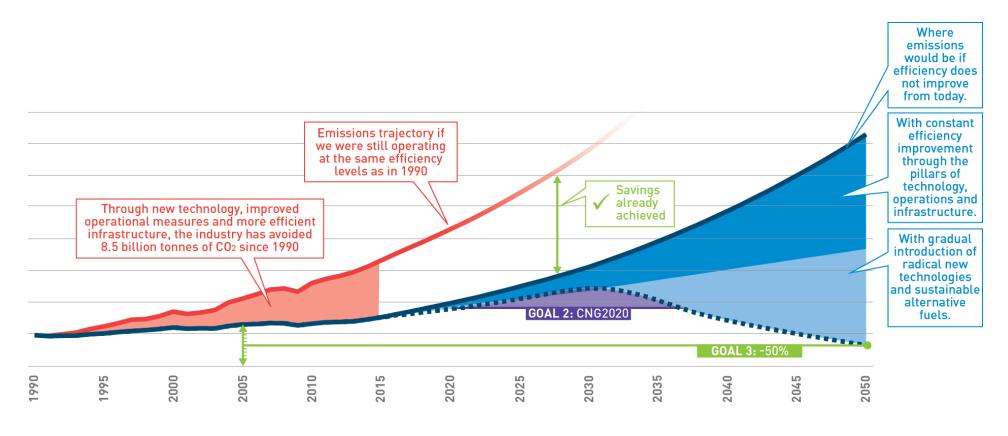


SATELLITE-BASED NAVIGATION SYSTEMS ALLOW FLIGHTS TO OPERATE IN BEST CONDITIONS





# MARKET-BASED MEASURE



#### ICAO 39th Assembly

- Historic decision at ICAO Assembly
  - First global sectoral approach on Climate Change
  - Strong support from member States
  - Strong support from industry
  - Culmination of 7 years' work
  - Reduces risk of patchwork of other measures







#### **How does CORSIA work?**

- → 5 phases from 2021 to 2035 first 2 voluntary mandatory from 2027
- **▽ First 3 phases obligations on shared basis thereafter more individual responsibility**

	Voluntary		Mandatory		
	Pilot Phase 1	Phase 2	Phases 3 to 5		
When	2021-2023	2024-2026	2027-2029	2030-2032	2033-2035
Who	States which volunteer	States which volunteer	All States with some small exemptions*	All States with some small exemptions*	All States with some small exemptions*
What	100% sectoral	100% sectoral	100% sectoral	At least 20% individual	At least 70% individual

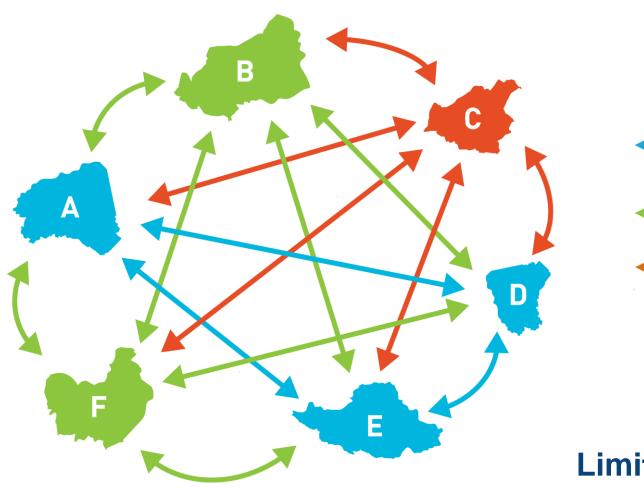
#### Which States have volunteered?



AS OF 12 OCTOBER 2016, **66 STATES** HAVE VOLUNTEERED TO BE PART OF CORSIA FROM THE START.

- 66 States from Phase 1
- **₹** 80+ % of emissions growth
- Mandatory from 2027
- Over 90% of emissions growth covered

#### Route-based approach



- **←** Included from 2021
- **←** Included from 2027
- **Exempt from CORSIA**

**Limited Market Distortion** 

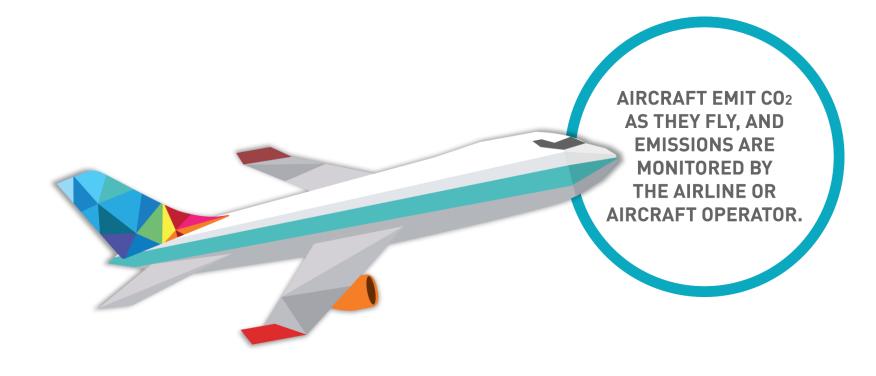
#### Technical work at ICAO continues



Monitoring Reporting and Verification



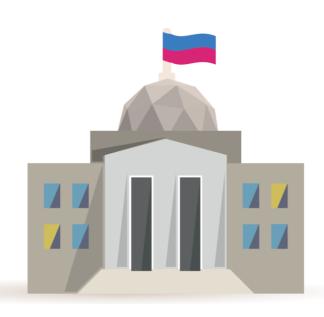
Standards for Carbon Credits







AIRLINE EMISSIONS
REPORTS ARE
CHECKED BY
INDEPENDENT
VERIFICATION
AGENCIES.



AIRLINES SUBMIT
THEIR OWN
EMISSIONS
REPORTS TO
GOVERNMENTS.

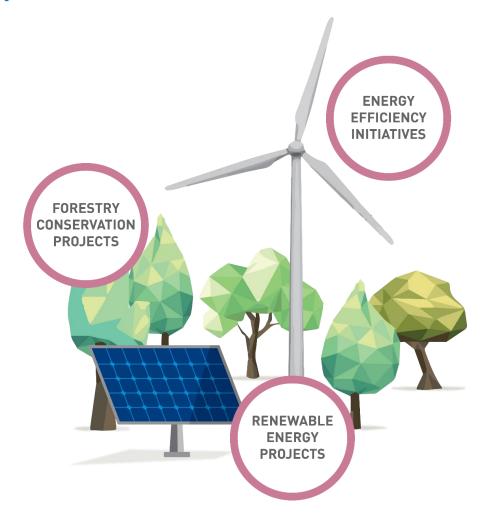


GOVERNMENTS,
WORKING TOGETHER
THROUGH ICAO,
INFORM EACH AIRLINE
HOW MUCH CO2 IT
MUST OFFSET.

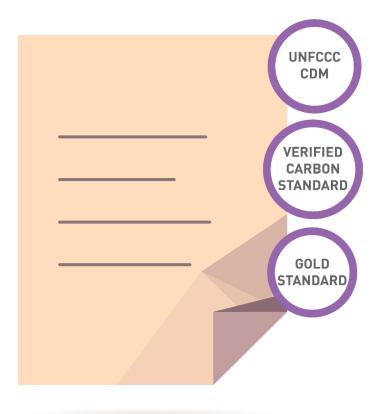


AIRLINES
PURCHASE THE
APPROPRIATE
NUMBER OF
OFFSET UNITS.

CARBON OFFSETS
ARE GENERATED FROM
A RANGE OF CLIMATE
PROJECTS, OFTEN
BASED IN DEVELOPING
NATIONS.



TO ENSURE THAT
THE CO2 SAVINGS
ARE REAL, AVIATION
WANTS TO USE EXISTING
GLOBALLY-RECOGNISED
STANDARDS.



EACH TONNE OF CO2
SAVED PRODUCES ONE
CARBON OFFSET UNIT
(ALSO SOMETIMES
CALLED A CARBON
CREDIT), WHICH IS
GIVEN A UNIQUE
TRACKING NUMBER.



THESE CARBON
OFFSET UNITS ARE
THEN MADE AVAILABLE
FOR SALE ON THE
'CARBON MARKET' AND
CAN BE PURCHASED
THROUGH INDEPENDENT
TRADERS, BROKERS
OR BANKS.

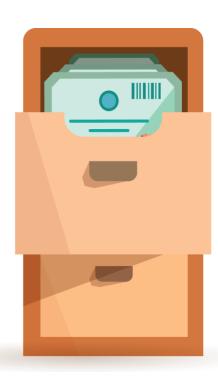




ONCE A CARBON
OFFSET UNIT IS
USED BY AN
AIRLINE TO OFFSET
ONE TONNE OF CO<sub>2</sub>,
IT IS 'CANCELLED'
TO ENSURE IT CAN'T
BE USED AGAIN.







TO ENSURE THAT
AIRLINES ARE MEETING
THEIR OFFSET
OBLIGATIONS, A REGISTRY
KEEPS TRACK OF THE
OFFSETS ISSUED, TRADED
AND SURRENDERED.
A GLOBAL REGISTRY IS
LINKED TO INDIVIDUAL
COUNTRY REGISTRIES TO
KEEP A GLOBAL
OVERVIEW.

### Industry next steps: IATA supporting ICAO

- Encouraging States to join CORSIA
- Capacity building with airlines
- Developing industry solutions



#### **Development of industry solutions**





### Long-term goal

2050 -50% CO<sub>2</sub>

Half the net aviation CO<sub>2</sub> of 2005







**Outcomes - Economic Commission** 

#### **Smarter Regulation**

- Our smarter regulation work aims to extend regulatory best practices to aviation, in order to maximize aviation's potential
- IATA's working paper aimed to:
  - Incorporate smarter regulation into ICAO's "no country left behind" program
  - > Ensure states incorporate smarter regulation practices by:
    - ✓ Using ICAO policies and guidance material
    - ✓ Using smarter regulation principles

#### IATA Smarter Regulation Principles

#### **Principles of Policy Design:**

- Consistency and coherence
- Proportionality
- Targeted at risk
- Fair and non-distortive
- Clarity and certainty

#### **Process Principles:**

- Addresses a clear need
- Impact assessment
- Independent
- Inclusive
- Reduces compliance burden
- Regular Review
- Appeal

#### **Smarter Regulation**

The Report from the Economic Commission noted:

"General support was expressed for smarter regulation approach in IATA's WP/140, which encouraged States to adopt this approach in their regulatory practices. It was noted that the principles of this approach would be considered by ICAO within the context of its No Country Left Behind initiative"

#### **Funds repatriation**

- Airlines are facing repatriation issues over \$5.4billion is outstanding globally
- Repatriation issues can negatively impact air service connectivity
- Actions to avoid and resolving funds repatriation issues:
  - Obligations as per ASA/bilateral provisions
  - Prioritize payments to airlines alongside other "critical industries"
  - Work with airlines to find a win-win scenario

#### **Funds repatriation**

- Significant support from States for the IATA working paper
- The Assembly Report noted the negative impact that funds repatriation issues can have on continued operation of international air services
- The Assembly report outlined that:

"States should take measures such as those set out in WP/134 to address carrier concerns in line with ICAO guidance"

#### **Taxation**

- Taxation beyond ICAO Doc 8632 is harmful:
- IATA WP/127 invited the Assembly to:
  - urge States to adhere to ICAO's policies on taxation
  - > enhance awareness of ICAO's policies and guidance
  - urge member States to avoid imposing unjustified and discriminatory taxes and reduce or eliminate such taxes
  - encourage civil aviation and transport ministries to update those ministries in charge of taxation on ICAO policy
  - urge States to perform cost-benefit analysis of existing taxes
  - encourage ICAO to collaborate with industry associations to analyze the impact of unfair taxation

#### **Taxation**

Significant support for the paper

"With respect to the concerns over the proliferation of taxation on international air transport highlighted....there was general acknowledgment that such an imposition could have negative impacts on national economies which is not conducive to sustainable air transport development. There was wide support for the need for States to adhere to the ICAO policies on taxation in the air transport field contained in Doc 8632. A view was expressed that States have sovereignty over taxation policies. The Commission agreed that States should be encouraged to follow the ICAO policies on taxation."

#### Summary and request for support

#### Smarter regulation

 Is there an opportunity to discuss a smarter regulation approach to aviation within your department and across your government?

#### Funds conversion and Repatriation

- Obligations under ASAs / ensure wording in revisions or new ASAs
- In affected countries outreach to finance ministries and central banks to help us make the case for aviation to be prioritized

#### Taxation

 Outreach to finance ministries to adhere to ICAO Doc. 8632 and present evidence of positive impact of removal of taxes

### Questions?

# Thank you!