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DESTINATION GREEN: THE NEXT CHAPTER



The ICAO Basket of Measures on CO₂ Emissions Mitigation – Focus on CORSIA

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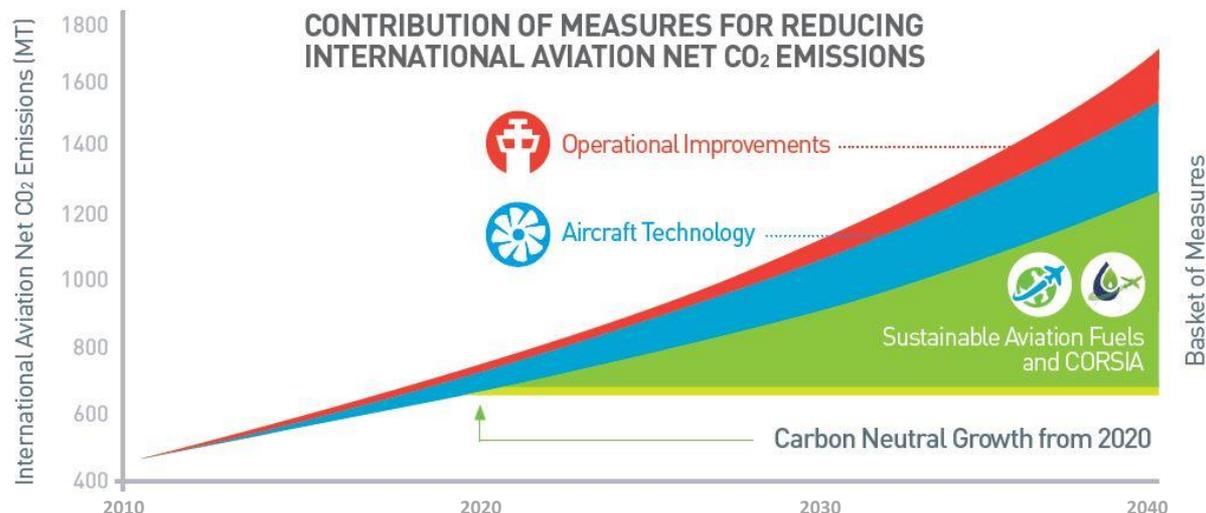


CORSIA was adopted through Assembly Resolution 39-3

The first global MBM scheme for any industry sector

To achieve ICAO's global aspirational goal of carbon neutral growth from 2020 (CNG 2020), CORSIA is **one complementary element in the basket of measures** to:

- aircraft technology
- operational improvements
- sustainable aviation fuels





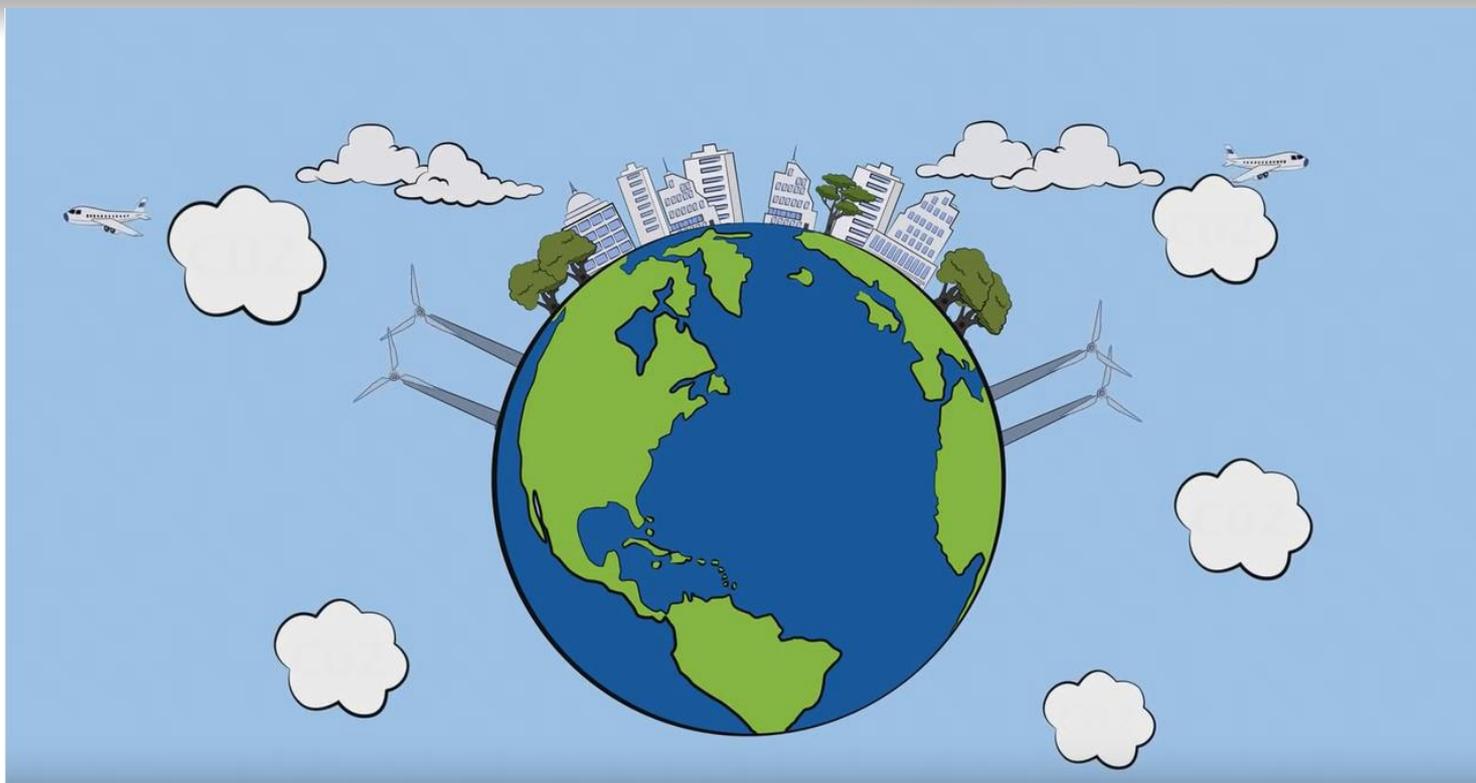
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<https://www.youtube.com/watch?v=OUfhLkMhc8w&t>



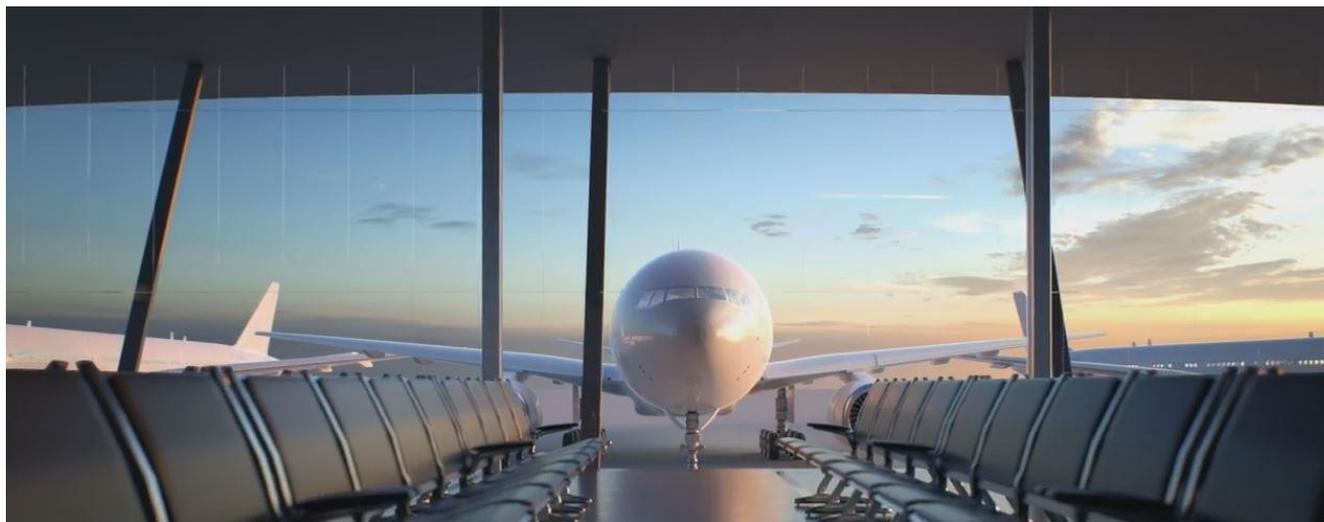
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<https://www.youtube.com/watch?v=D0tAy0apYII>



Major Achievements since A39 for CORSIA Implementation

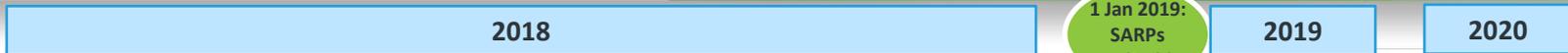
1. Adoption of Annex 16, Volume IV, and Environment Technical Manual, Volume IV
2. Progress on CORSIA Implementation Elements
 - ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)
 - CORSIA Central Registry (CCR)
 - CORSIA Eligible Emissions Units
 - CORSIA Eligible Fuels
3. CORSIA Outreach and Capacity Building
 - ICAO Regional/HQ Seminars
 - Outreach Materials (Videos, Brochure/Leaflets, FAQs, etc)
 - ACT-CORSIA Buddy Partnerships



The screenshot shows the ICAO Environment website interface. At the top, there is a search bar and a navigation menu with options: About ICAO, Global Priorities, Meetings and Events, Information Resources, Careers, and Subscribe. Below the menu, the page title is "Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)". A news section highlights a press release from the Dominican Republic and Guyana. The main content area is divided into two columns: "CORSIA IMPLEMENTATION" and "ACT >>> CORSIA". The "CORSIA IMPLEMENTATION" column lists resources such as Assembly Resolution A39-3, SARPs - Annex 16 Volume IV, Environmental Technical Manual - Volume IV, Templates, ICAO CORSIA Implementation Elements, CORSIA States for Chapter 3 State Parties, ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT), CORSIA Eligible Fuels, CORSIA Eligible Emissions Units, and CORSIA Central Registry (CCR). The "ACT >>> CORSIA" column lists resources like CORSIA Buddy Partnerships, Model Regulations, Frequently Asked Questions, Brochure and Leaflets, Videos, Seminars, Online Tutorials, and Background Information. At the bottom, there is a logo for "CORSIA" and a circular logo for "ACT >>> CORSIA Assistance, Capacity-building and Training".



DESTINATION GREEN: THE NEXT CHAPTER



CORSIA SARPs (Annex 16 Vol 4)

Mar 2018: States' comments to SARPs

May 2018: ANC/AGC review

Adoption of Annex 16, Volume IV

Development of Emissions Monitoring Plans (EMPs) by operators & State approval

2019 emissions monitoring

2020 emissions monitoring
2019 emissions reporting

CORSIA Capacity Building

Feb 2018: State Focal Points nominated
Carbon Market seminar

Mar/Apr 2018: CORSIA Regional Seminars

Jun 2018: 214th Council

July 2018: CORSIA HQ Seminar

CORSIA CERT available for EMPs development

ACT-CORSIA (Assistance, Capacity-building and Training for CORSIA) programme

Jun 2018: CAEP SG meeting

A40

ICAO CORSIA CERT Tool

CAEP work

CAEP recommendation on CORSIA CERT

Approval of 2018 CERT

Regular updates of CORSIA CERT

CORSIA Central Registry (CCR)

CAEP work

CAEP recommendation on CCR

Approval of CCR Functional Requirements

ICAO Procurement Process of CCR

Development & Testing of CCR

CCR to compile 2019 emissions
CCR in operation

CORSIA Eligible Emissions Units

CAEP work

CAEP preliminary recommendation

CAEP work/recommendation by CAEP/11 meeting (Feb 2019)

Establishment of TAB

Mar 2019: 216th Council

TAB to discuss eligible units

CORSIA Eligible Fuels

CAEP work

CAEP preliminary recommendation

CAEP work/recommendation by CAEP/11 meeting (Feb 2019)

June 2019 – 217th Council discussion / decision on CORSIA eligible fuels

CORSIA States

Continuous promotion / updates of States' intentions to participate in CORSIA from 2021

Jun 2020: XX States for 2021 CORSIA

CORSIA Implementation Elements



80 States intend to voluntarily participate in CORSIA from 2021

Albania	Equatorial Guinea	Latvia	Republic of Korea
Armenia	Estonia	Lithuania	Republic of Moldova
Australia	Finland	Luxembourg	Romania
Austria	France	Malaysia	San Marino
Azerbaijan	Gabon	Malta	Saudi Arabia
Belgium	Georgia	Marshall Islands	Serbia
Bosnia and Herzegovina	Germany	Mexico	Singapore
Botswana	Ghana	Monaco	Slovakia
Bulgaria	Greece	Montenegro	Slovenia
Burkina Faso	Guatemala	Namibia	Spain
Cameroon	Guyana	Netherlands	Sweden
Canada	Hungary	New Zealand	Switzerland
Costa Rica	Iceland	Nigeria	Thailand
Croatia	Indonesia	North Macedonia	Turkey
Cyprus	Ireland	Norway	Uganda
Czechia	Israel	Papua New Guinea	Ukraine
Democratic Republic of the Congo	Italy	Philippines	United Arab Emirates
Denmark	Jamaica	Poland	United Kingdom
Dominican Republic	Japan	Portugal	United States
El Salvador	Kenya	Qatar	Zambia

More participation of States, more emissions coverage of CORSIA



ACT-CORSIA Phase 1 (2018 to early 2019)

- **ICAO Assistance, Capacity-building and Training on CORSIA (ACT-CORSIA)** programme – Launched on 2 July 2018 during ICAO HQ CORSIA Seminar
- The Council emphasized the importance of a **coordinated approach under ICAO** to harmonize and bring together all relevant actions and promote coherence to capacity building efforts for CORSIA implementation
- The Council requested that **any bilateral or multilateral partnerships among States should be coordinated with ICAO**, so that the global progress of such coordinated efforts would be monitored



ACT-CORSIA Phase 1 focus:

- 1) **Development and approval of Emissions Monitoring Plans**
- 2) **Establishment of national/regional regulatory frameworks**



2019 ICAO Regional Workshops on CORSIA – Objectives

- Address any pending issues regarding the monitoring of CO2 emissions in 2019, including the approval of Emissions Monitoring Plans by States; and
- Understand upcoming CO2 reporting and verification requirements to support States in complying with related provisions of the CORSIA SARPs by early 2020.



Dates and Venues

- 21 to 22 March: Asunción, Paraguay
- 26 to 27 March: Helsinki, Finland
- 1 to 2 April: Seoul, Republic of Korea
- 7 to 8 April: Cairo, Egypt
- 11 to 12 April: Dakar, Senegal





ACT >>> CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. NAURU 4. PAPUA NEW GUINEA 5. SRI LANKA 6. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. MALAYSIA 6. MYANMAR
CANADA / FRANCE 1. BURKINA FASO 2. CAMEROON 3. CHAD 4. COMOROS 5. CONGO 6. COTE D'IVOIRE 7. D. R. OF CONGO 8. DJIBOUTI 9. GABON 10. HAITI 11. MADAGASCAR 12. MALI 13. MAURITANIA 14. MAURITIUS 15. NIGER 16. SENEGAL 17. TOGO	KENYA 1. RWANDA 2. SEYCHELLES 3. SOUTH SUDAN 4. UGANDA MEXICO / SPAIN / USA 1. BELIZE 2. COSTA RICA 3. EL SALVADOR 4. GUATEMALA 5. HONDURAS 6. NICARAGUA NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
GERMANY/ ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. GUYANA 6. SOMALIA 7. SURINAME 8. UNITED REPUBLIC OF TANZANIA	USA 1. ARGENTINA 2. DOMINICAN REPUBLIC 3. ECUADOR 4. PANAMA
ITALY & BRAZIL 1. ANGOLA 2. CABO VERDE 3. COLOMBIA 4. MOZAMBIQUE 5. PARAGUAY 6. SAO TOME AND PRINCIPE	<p>15 DONOR STATES 98 RECIPIENT STATES</p>

ACT-CORSIA Buddy Partnerships (Phase 1)

- Donor States provides assistance to a recipient States to build their national capacity to implement CORSIA
- Assistance in the form of donor State offering expert(s) on CORSIA to provide individual training and necessary follow-up with the CORSIA focal points of the recipient States, in close coordination with the ICAO Secretariat
- Involving 15 donor States and more than 95 recipient States (as of March 2019)

ACT-CORSIA Buddy Partnerships (Phase 1) On-site Trainings





Next Steps: Phase 2 of ACT-CORSIA Buddy Partnerships

13 - 14 May 2019



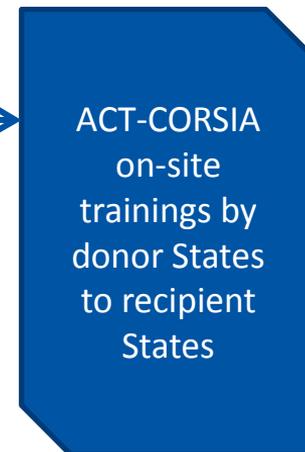
May-June 2019



June 2019



From July 2019



Phase 2 – Focus areas:

- 1) Reporting of CO₂ Emissions
- 2) Verification of CO₂ Emissions



CORSIA Training of Trainers (13 to 14 May 2019)

- To ensure the consistency of the assistance provided and materials used, the ICAO organized “Training of Trainers” session.
- ICAO training materials are commonly used by experts of donor States for training of CORSIA focal points and other stakeholders in recipient States
- The **ICAO coordinated approach** ensures that all recipient States receive the same high quality training, in the framework of No Country Left Behind

*Launch of ACT-CORSIA
Buddy Partnerships Phase 2 !!!*





Expected outcome on CORSIA from 40th Assembly

- a) Acknowledge tremendous efforts by ICAO and Member States on the development of CORSIA-related SARPs and guidance, in a very short timeline, and that the CORSIA implementation is on track
- b) Welcome the successful ICAO ACT-CORSIA programme, with appreciation to contributions of Member States to establish CORSIA partnerships among themselves to assist CORSIA implementation, while emphasizing the importance of a coordinated approach under ICAO
- c) Clear plan of actions to further develop and update CORSIA-related Implementation Elements and maintain ICAO ACT-CORSIA Programme including CORSIA partnerships among Member States



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THANK YOU