



ICAO

ENVIRONMENT

ICAO Regional Workshop on CORSIA

Session 2: CORSIA MRV System: ICAO ACT-CORSIA Buddy Partnerships

ICAO Secretariat

C  **RSIA**



ACT-CORSIA

- The ICAO Council in June 2018 endorsed a plan to provide direct and tailored assistance on CORSIA implementation to States around the world
- The ICAO Assistance, Capacity-building and Training on **CORSIA (ACT-CORSIA)** programme – Launched on 2 July 2018 by the ICAO Secretary General





ACT-CORSIA: Focus Areas

- ICAO coordinated initiative - The Council emphasized the importance of a coordinated approach under ICAO, in the framework of No Country Left Behind, to harmonize and bring together all relevant actions and promote coherence to capacity building efforts for CORSIA implementation
- Different cooperation modalities/agreements to be undertaken amongst ICAO Member States for capacity-building and assistance under the umbrella of ICAO – Monitoring of global progress of such coordinated efforts

Phase 1 focus:

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



- Some States ready to support other States
- CORSIA Buddy partnerships among States are crucial!
 - Assistance to more than 95 recipient States by 15 donor States
 - Technical experts from donor States are trained by ICAO and work with CORSIA focal points of recipient States to provide on-site training and close follow-up
- CORSIA Buddy Partnerships – Three Step Approach:
 1. Preparatory Activities
 2. On-site Training
 3. Remote Follow-Up



ACT-CORSIA Buddy Partnerships

 ACT-CORSIA <small>Phase I</small> Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. MALAYSIA 4. NAURU 5. PAPUA NEW GUINEA 6. SRI LANKA 7. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. MYANMAR
CANADA / FRANCE 1. BURKINA FASO 2. CAMEROON 3. CHAD 4. COMOROS 5. CONGO 6. CÔTE 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
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
GERMANY/ ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. SOMALIA 6. UNITED REPUBLIC OF TANZANIA	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY 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	 <div style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"> 15 DONOR STATES 96 RECIPIENT STATES </div>



ACT-CORSIA Buddy Partnership On-site Training



Carbon Offsetting and Reduction Scheme for International Aviation

ACT-CORSIA^{Phase I} Buddy Partnerships On-site Training Activities



✓ 79 States Trained (as of 8 March 2019)



By 8 March 2019:
79 out of 96 recipient States trained on-site



ACT-CORSIA Buddy Partnerships – NACC & SAM Regions

ACT  CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. MALAYSIA 4. NAURU 5. PAPUA NEW GUINEA 6. SRI LANKA 7. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. 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
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
GERMANY/ ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. SOMALIA 6. UNITED REPUBLIC OF TANZANIA	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY 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	 <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 15 DONOR STATES 96 RECIPIENT STATES </div>



ACT-CORSIA Buddy Partnerships – EUR/NAT Region

ACT  CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. MALAYSIA 4. NAURU 5. PAPUA NEW GUINEA 6. SRI LANKA 7. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. 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
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	MEXICO / SPAIN / USA 1. BELIZE 2. COSTA RICA 3. EL SALVADOR 4. GUATEMALA 5. HONDURAS 6. NICARAGUA
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU
GERMANY / ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. SOMALIA 6. UNITED REPUBLIC OF TANZANIA	REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
ITALY & BRAZIL 1. ANGOLA 2. CABO VERDE 3. COLOMBIA 4. MOZAMBIQUE 5. PARAGUAY 6. SAO TOME AND PRINCIPE	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY
	USA 1. ARGENTINA 2. DOMINICAN REPUBLIC 3. ECUADOR 4. PANAMA
	 <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 15 DONOR STATES 96 RECIPIENT STATES </div>



ACT-CORSIA Buddy Partnerships – APAC Region

ACT  CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA	
1. BRUNEI DARUSSALAM	
2. INDONESIA	
3. MALAYSIA	
4. NAURU	
5. PAPUA NEW GUINEA	
6. SRI LANKA	
7. THAILAND	
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	
CANADA / FRANCE / SPAIN	
1. ALGERIA	
2. EGYPT	
3. IRAQ	
4. JORDAN	
5. MOROCCO	
6. SAUDI ARABIA	
7. TUNISIA	
GERMANY	
1. JAMAICA	
2. TAJIKISTAN	
3. TRINIDAD & TOBAGO	
GERMANY/ ECAC	
1. ALBANIA	
2. ARMENIA	
3. AZERBAIJAN	
4. REPUBLIC OF MOLDOVA	
5. SERBIA	
6. NORTH MACEDONIA	
7. TURKEY	
ITALY	
1. ANTIGUA AND BARBUDA	
2. BAHAMAS	
3. ERITREA	
4. ETHIOPIA	
5. SOMALIA	
6. UNITED REPUBLIC OF TANZANIA	
ITALY & BRAZIL	
1. ANGOLA	
2. CABO VERDE	
3. COLOMBIA	
4. MOZAMBIQUE	
5. PARAGUAY	
6. SAO TOME AND PRINCIPE	
JAPAN	
1. AFGHANISTAN	
2. BANGLADESH	
3. BHUTAN	
4. CAMBODIA	
5. MYANMAR	
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	
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	
SOUTH AFRICA	
1. BOTSWANA	
2. LESOTHO	
3. MALAWI	
4. NAMIBIA	
5. ZAMBIA	
6. ZIMBABWE	
SPAIN	
1. BOLIVIA	
2. CUBA	
3. PERU	
4. URUGUAY	
USA	
1. ARGENTINA	
2. DOMINICAN REPUBLIC	
3. ECUADOR	
4. PANAMA	



15 DONOR STATES
96 RECIPIENT STATES



ACT-CORSIA Buddy Partnerships – MID Region

ACT  CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. MALAYSIA 4. NAURU 5. PAPUA NEW GUINEA 6. SRI LANKA 7. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. 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
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	MEXICO / SPAIN / USA 1. BELIZE 2. COSTA RICA 3. EL SALVADOR 4. GUATEMALA 5. HONDURAS 6. NICARAGUA
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU
GERMANY/ ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. SOMALIA 6. UNITED REPUBLIC OF TANZANIA	REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
ITALY & BRAZIL 1. ANGOLA 2. CABO VERDE 3. COLOMBIA 4. MOZAMBIQUE 5. PARAGUAY 6. SAO TOME AND PRINCIPE	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY
	USA 1. ARGENTINA 2. DOMINICAN REPUBLIC 3. ECUADOR 4. PANAMA
	 <div style="background-color: #0070C0; color: white; padding: 5px; display: inline-block;"> 15 DONOR STATES 96 RECIPIENT STATES </div>



ACT-CORSIA Buddy Partnerships – ESAF/WACAF Regions

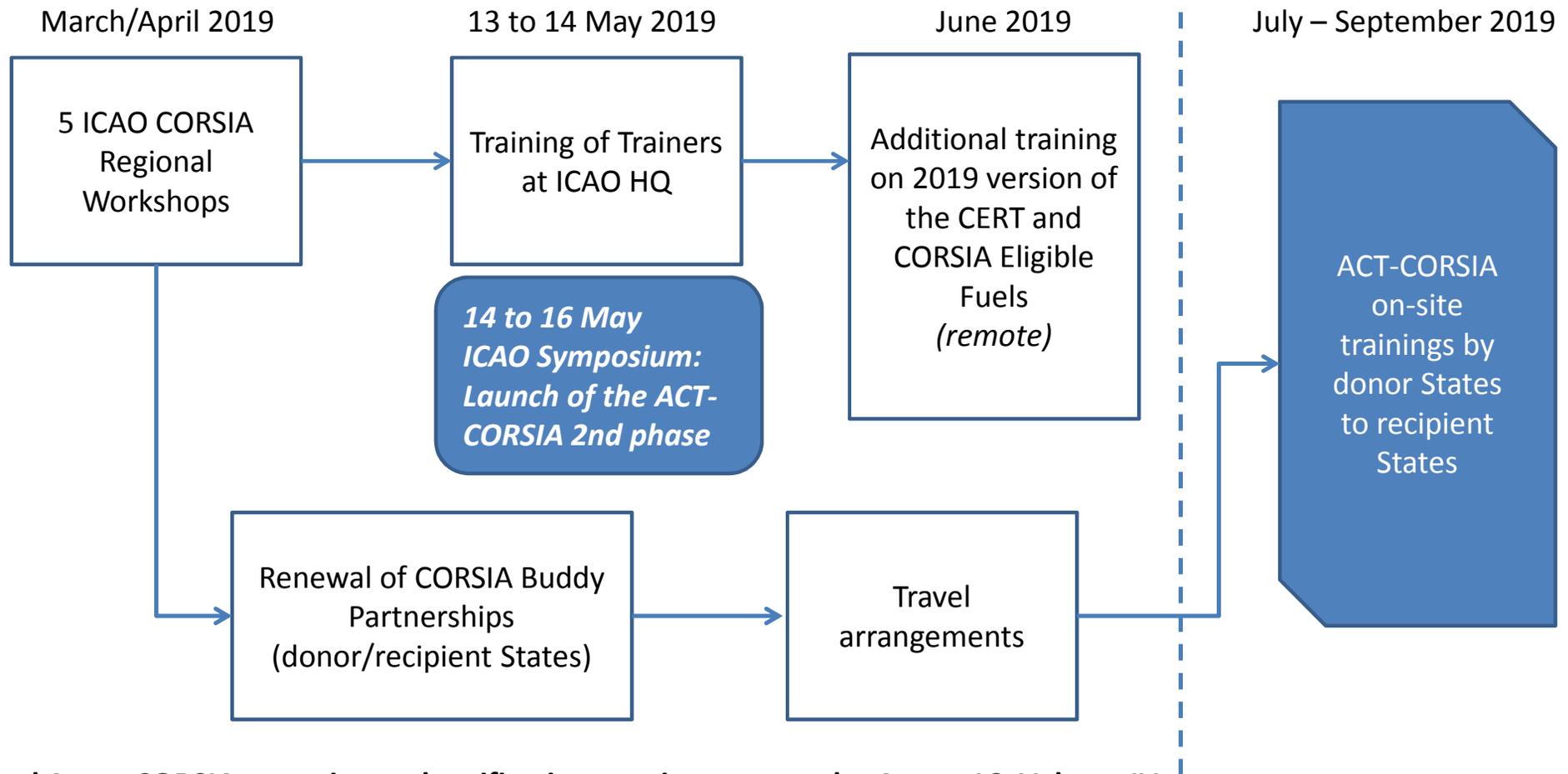
ACT  CORSIA ^{Phase I} Assistance, Capacity-building and Training on CORSIA	
AUSTRALIA 1. BRUNEI DARUSSALAM 2. INDONESIA 3. MALAYSIA 4. NAURU 5. PAPUA NEW GUINEA 6. SRI LANKA 7. THAILAND	JAPAN 1. AFGHANISTAN 2. BANGLADESH 3. BHUTAN 4. CAMBODIA 5. MYANMAR
CANADA / FRANCE 1. BURKINA FASO 2. CAMEROON 3. 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
CANADA / FRANCE / SPAIN 1. ALGERIA 2. EGYPT 3. IRAQ 4. JORDAN 5. MOROCCO 6. SAUDI ARABIA 7. TUNISIA	MEXICO / SPAIN / USA 1. BELIZE 2. COSTA RICA 3. EL SALVADOR 4. GUATEMALA 5. HONDURAS 6. NICARAGUA
GERMANY 1. JAMAICA 2. TAJIKISTAN 3. TRINIDAD & TOBAGO	NEW ZEALAND 1. FIJI 2. SAMOA 3. SOLOMON ISLANDS 4. VANUATU
GERMANY/ ECAC 1. ALBANIA 2. ARMENIA 3. AZERBAIJAN 4. REPUBLIC OF MOLDOVA 5. SERBIA 6. NORTH MACEDONIA 7. TURKEY	NIGERIA 1. GAMBIA 2. GHANA 3. LIBERIA 4. SIERRA LEONE 5. SUDAN
ITALY 1. ANTIGUA AND BARBUDA 2. BAHAMAS 3. ERITREA 4. ETHIOPIA 5. SOMALIA 6. UNITED REPUBLIC OF TANZANIA	REPUBLIC OF KOREA 1. LAO PEOPLE'S D. R. 2. MONGOLIA 3. PAKISTAN 4. PHILIPPINES 5. VIETNAM
ITALY & BRAZIL 1. ANGOLA 2. CABO VERDE 3. COLOMBIA 4. MOZAMBIQUE 5. PARAGUAY 6. SAO TOME AND PRINCIPE	SOUTH AFRICA 1. BOTSWANA 2. LESOTHO 3. MALAWI 4. NAMIBIA 5. ZAMBIA 6. ZIMBABWE
	SPAIN 1. BOLIVIA 2. CUBA 3. PERU 4. URUGUAY
	USA 1. ARGENTINA 2. DOMINICAN REPUBLIC 3. ECUADOR 4. PANAMA
	 <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 15 DONOR STATES 96 RECIPIENT STATES </div>



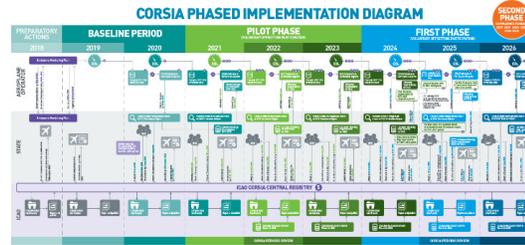
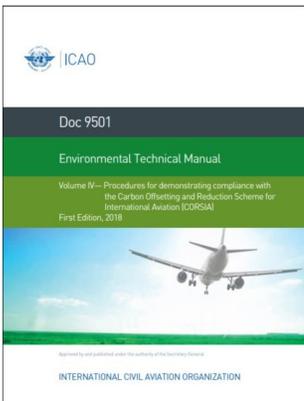
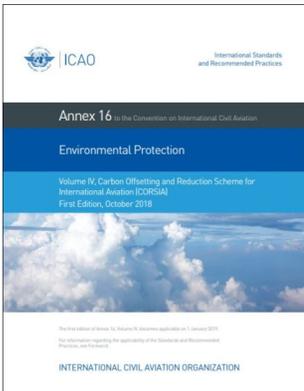
- **Time to reflect on the experiences from ACT-CORSIA buddy partnerships in this region !**
 - ✓ Trainers from donor States to share their experience to provide training on EMP and national regulatory framework
 - ✓ Focal Points from recipient States to express their views on the training received
- **Opportunity to renew and add more CORSIA buddy partnerships !**



2nd phase of ACT-CORSIA Buddy Partnerships



Focused Area: CORSIA reporting and verification requirements under Annex 16, Volume IV



CORSIA AT A GLANCE SERIES

CORSIA IMPLEMENTATION COMPONENTS

SARPs Annex 16 Volume IV

ETM Volume IV (Doc 9501)

CORSIA AT A GLANCE SERIES

EMISSIONS MONITORING PLAN

EMISSIONS MONITORING OPTIONS

SAI CORSIA CO₂ ESTIMATION AND REPORTING TOOL (CERT)

CORSIA ACTION CHECKLIST

CORSIA AT A GLANCE SERIES

CORSIA OFFSETTING REQUIREMENT STEPS

CORSIA ELIGIBLE FUELS

CORSIA EMISSIONS UNITS CRITERIA (EUC)

CORSIA AT A GLANCE SERIES

CORSIA CENTRAL REGISTRY

PUBLICATION OF INFORMATION AND DATA FROM CORSIA CENTRAL REGISTRY

CORSIA VERIFICATION

CORSIA AT A GLANCE SERIES

CORSIA ELIGIBLE FUELS

CORSIA EMISSIONS UNITS CRITERIA (EUC)



- About ICAO
- Global Priorities
- Meetings and Events
- Information Resources
- Careers
- Subscribe

ICAO / Environmental Protection / CORSIA

ENVI Homepage
CORSIA Homepage
CORSIA IMPLEMENTATION
ACT CORSIA

Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

CORSIA News (click here to consult the complete list)

19-25 Jan 2019

Trinidad & Tobago and Jamaica received training under the ACT-CORSIA Buddy Partnership with Germany

CORSIA IMPLEMENTATION

- Assembly Resolution A39-3
- SARPs - Annex 16 Volume IV
- Environmental Technical Manual - Volume IV (New)
 - Templates (New)
- ICAO CORSIA Implementation Elements
 - ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT)
 - CORSIA Eligible Fuels
 - CORSIA Eligible Emissions Units
 - CORSIA Central Registry (CCR)

ACT CORSIA

- CORSIA Buddy Partnerships
- Model Regulations
- Frequently Asked Questions
- Brochure and Leaflets
- Videos
- Seminars
- Online Tutorials
- Background Information

Additional Material for CORSIA Implementation



For more information, please visit our website: <http://www.icao.int/corsia>