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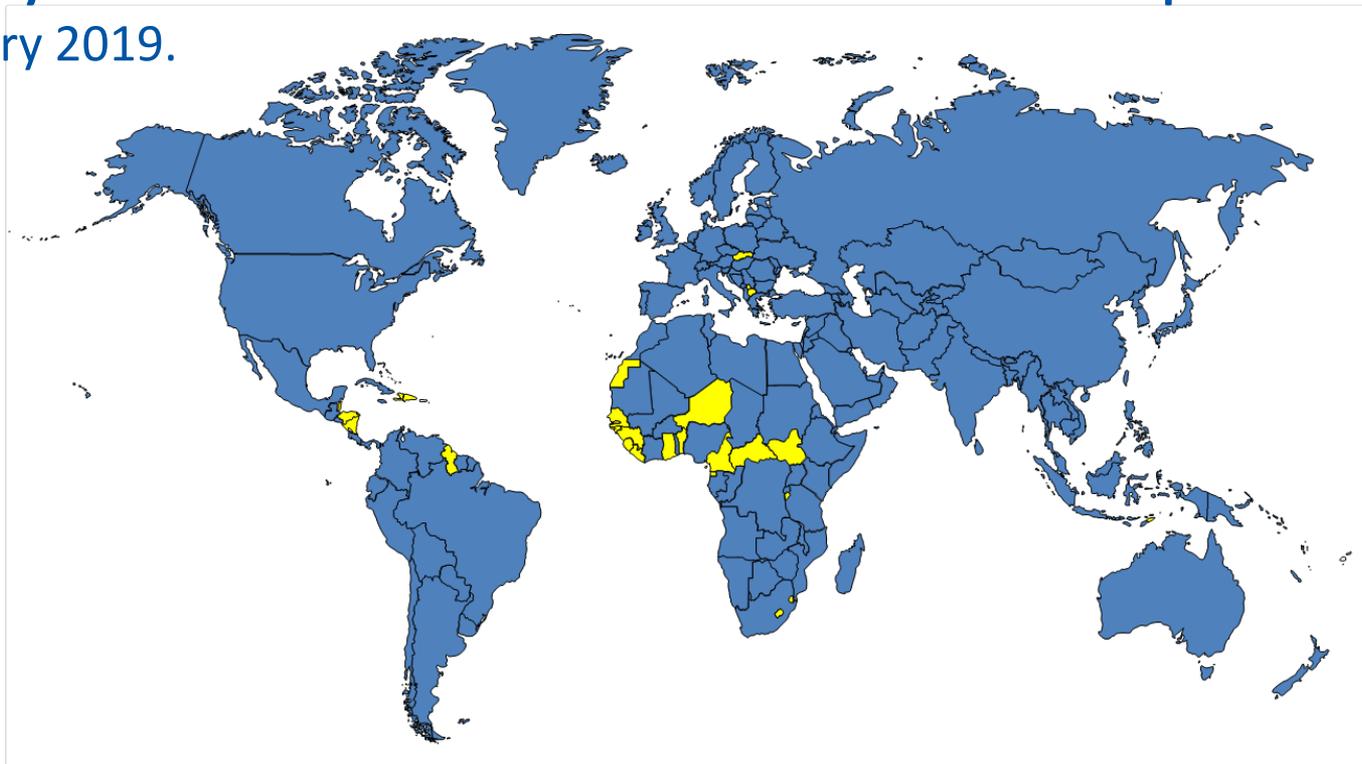
# Session 7: Capacity building activities and next steps towards CORSIA implementation

ICAO Secretariat





Approximately 75% of ICAO Member States have CORSIA MRV requirements starting from 1 January 2019.



Illustrative representation of ICAO Member States that have operators with CO<sub>2</sub> emissions above 10 000 tonnes from international flights.



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# Progress on Capacity Building



## CORSIA Videos



The Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)


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ICAO CORSIA Implementation


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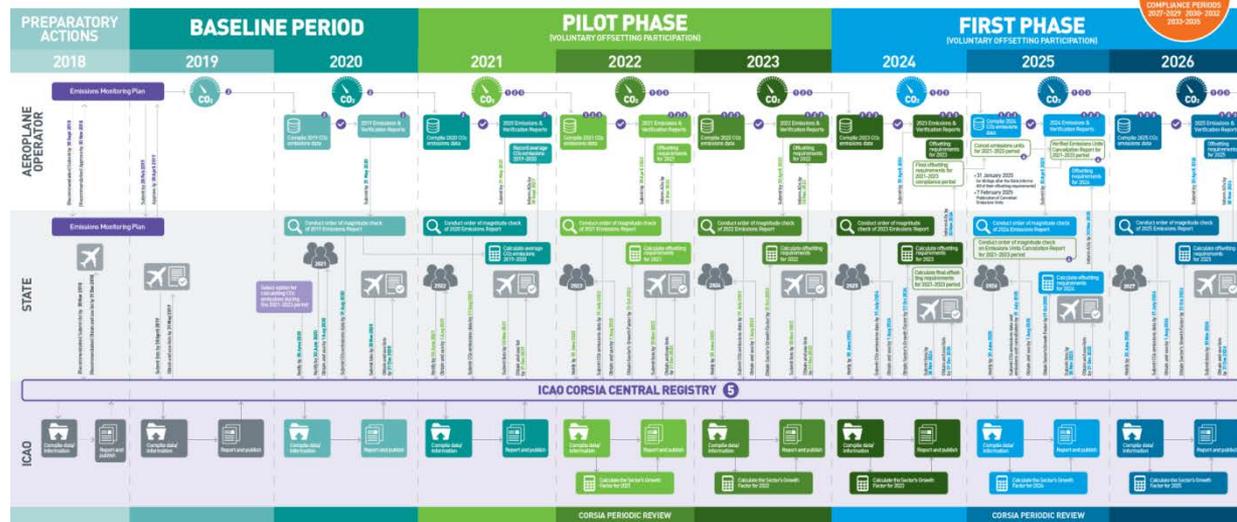
## CORSIA Brochure



- English
- French
- Spanish
- Russian
- Arabic
- Chinese

**CORSIA**  
 CARBON OFFSETTING AND REDUCTION  
 SCHEME FOR INTERNATIONAL AVIATION  
 IMPLEMENTATION PLAN

### CORSIA PHASED IMPLEMENTATION DIAGRAM



**SECOND PHASE**  
 COMPLIANCE PERIOD  
 2027-2029 2030-2032  
 2033-2035

*(Funded by the Government of Sweden)*



## CORSIA Five Leaflets

# CORSIA AT A GLANCE SERIES

Five one-page leaflets highlighting various topics on CORSIA implementation:

**CORSIA AT A GLANCE SERIES**  
CORSIA IMPLEMENTATION COMPONENTS

**CORSIA AT A GLANCE**  
EMISSIONS MONITORING PLAN

**CORSIA AT A GLANCE**  
EMISSIONS MONITORING OPTIONS

1. Implementation Components
2. Emissions Monitoring Plan
3. Emissions Monitoring Options
4. Action Checklist
5. Offsetting Requirements Steps

**CORSIA AT A GLANCE SERIES**  
CORSIA OFFSETTING REQUIREMENT STEPS

**CORSIA AT A GLANCE**  
CORSIA ACTION CHECKLIST

*(Funded by the Government of Sweden)*



## Online Tutorial on CORSIA

Five online modules:

1. Introduction
2. CORSIA and Resolution A39-3 (Part 1)
3. CORSIA and Resolution A39-3 (Part 2)
4. Monitoring, Reporting, Verification System
5. Emissions Units and Registries

The screenshot shows the ICAO ENVIRONMENT website. 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 navigation menu, the page title is "Online CORSIA Tutorial". On the left side, there is a vertical list of menu items including: Scientific Understanding, Modelling & Databases, Environmental Trends, Aircraft Noise, Local Air Quality, Technology & Standards, Operational Measures, Operational Interdependencies, ATM Environmental Assessment, Alternative Fuels, Global Market-based Measure - CORSIA, Adaptation, State Action Plans and Assistance, Frequently Asked Questions, Facts and Figures, Voluntary Measures, Financing, Climate Neutral Initiative, Publications, Statements, Events, Contact us, and Recent. The main content area features a globe with the text "MESSAGE FROM THE DEPUTY DIRECTOR, ENVIRONMENT" and the name "Jane Hupe". Below the globe, there are two numbered items: "1. Introduction" and "2. CORSIA and Resolution A39-3 (Part 1)".



## ICAO-Germany small scale implementation project

From Oct 2017 to Mar 2018, project participants tested the MRV provisions of draft Annex 16, Volume IV.





## ICAO-Germany small scale implementation project - Feedback

- **Phase 1 – Emissions Monitoring Plan (EMP)**

Most participants assessed EMP development/approval as **simple** or **manageable**

- For most operators, drafting of the EMP took **1 to 7 days**
- For all States, approval of the EMP took **1 to 5 days**

- **Phase 2 – Emissions Reporting and Verification**

Most participants assessed activities in the project phase 2 as **simple** or **manageable**

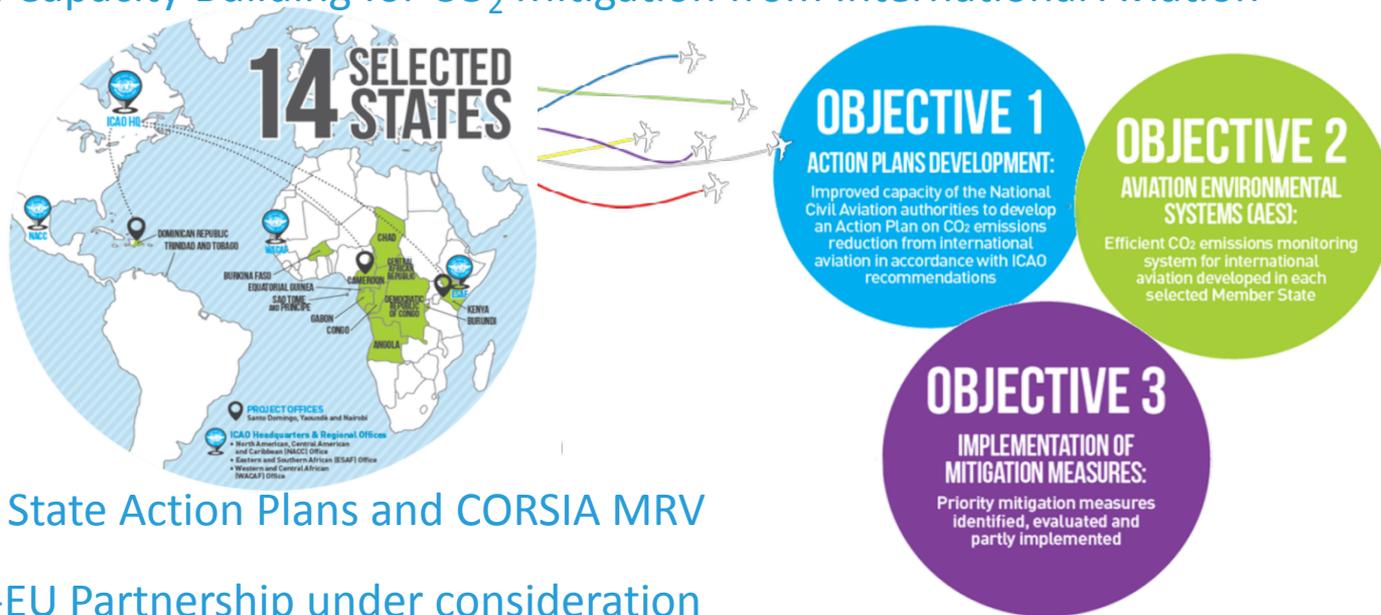
- For most operators, completing the Emissions Report took **2 to 8 hours**
- For all States, approving the Emissions Report took **2 to 4 hours**

**Main conclusion: CORSIA MRV is feasible for implementation**



## ICAO-EU Project on State Action Plans

- ICAO-EU project on Capacity Building for CO<sub>2</sub> Mitigation from International Aviation



- Synergies between State Action Plans and CORSIA MRV
- 2nd phase of ICAO-EU Partnership under consideration



## ICAO events related to CORSIA since 39<sup>th</sup> Assembly

- 2017 ICAO Regional Seminars on CORSIA (5 seminars, March – April 2017)
- 2017 ICAO HQ Seminar on CORSIA (Montréal, 10-11 May 2017)
- Additional CORSIA seminars, with support by AFCAC (Nigeria and Zambia, August 2017)
- ICAO Seminar on Carbon Markets (Montréal, 7-9 February 2018)



The objective of the 2018 Regional Seminars is to help participants have a clear understanding of the detailed procedures and required actions among relevant stakeholders involved in the CORSIA implementation.

## Dates and Venues

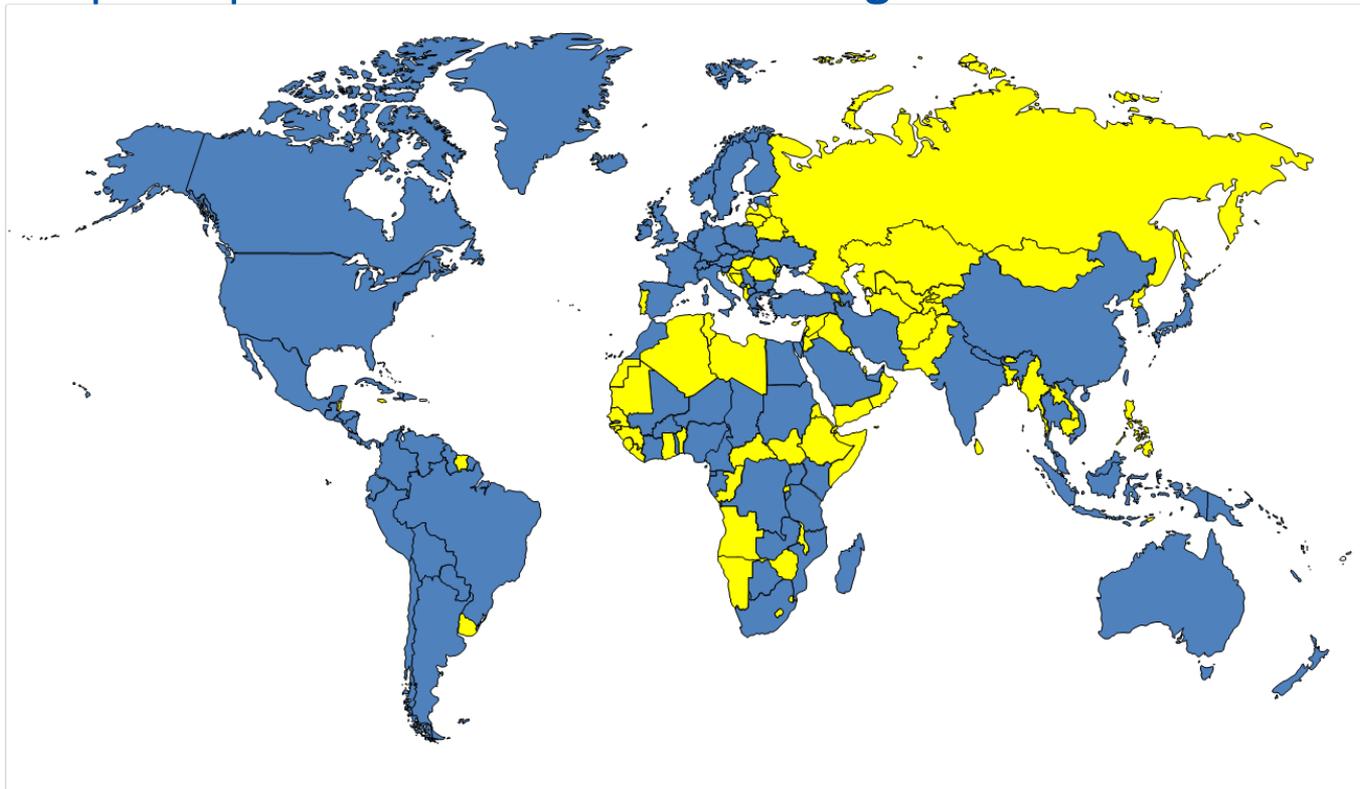
- 21 to 23 March: Antigua, Guatemala
- 26 to 28 March: Skopje, The former Yugoslav Republic of Macedonia
- 3 to 5 April: Cairo, Egypt
- 10 to 12 April: Johannesburg, South Africa
- 16 to 18 April: Brisbane, Australia

Reference: State letter ENV 6/6 – 18/5





**101 States** have participated in at least one ICAO Regional Seminar on CORSIA in 2018.





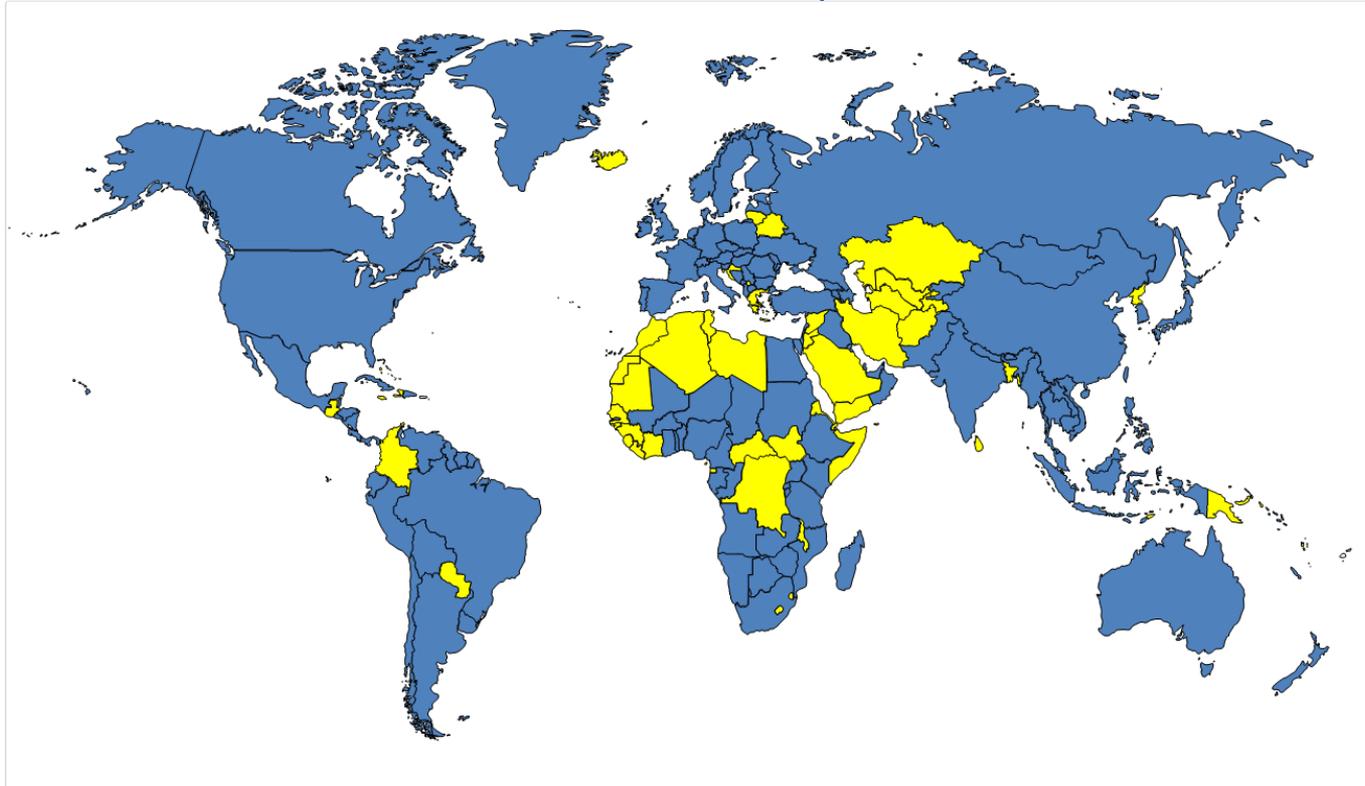
# Some highlights from 2018 CORSIA Regional Seminars



- No major/substantial issues raised on CORSIA SARPs text
- Recognition of urgency for CO<sub>2</sub> Emissions Monitoring Plans development/approval
- Technical/clarification questions – FAQs to be updated on ICAO webpage
- More capacity building, seminars and training to support CORSIA implementation, including support for establishment of national/regional regulatory frameworks
- More partnerships among States themselves and with ICAO



**124 States** have nominated a **CORSIA Focal Point** (State letter ENV 6/6 – 18/1).





- CORSIA-related SARPs are adopted by the ICAO Council on 27 June 2018 - it's time to ensure that all States will be ready to implement
- ICAO Assistance, Capacity-building and Training on **CORSIA (ACT-CORSIA)** programme – Launched on 2 July 2018!





- ACT-CORSIA is a comprehensive programme to provide Assistance, Capacity-building and Training for CORSIA implementation
- ACT-CORSIA will bring together relevant actions to capacity building efforts and make information easily accessible (ICAO CORSIA website ... Just re-designed!)

[ENV Homepage](#)[CORSIA Homepage](#)[CORSIA  
IMPLEMENTATION](#)[ACT CORSIA](#)

## Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)

### CORSIA»» IMPLEMENTATION

- 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 Pairs
  - » ICAO CORSIA CO<sub>2</sub> Estimation and Reporting Tool (CERT)
  - » CORSIA Eligible Fuels
  - » CORSIA Eligible Emissions Units
  - » CORSIA Central Registry (CCR)

Additional Material for CORSIA Implementation



### ACT »» CORSIA

- CORSIA Buddy Partnerships
- Example Regulatory Framework
- Frequently Asked Questions
- Brochure and Leaflets
- Videos
- Seminars
- Online Tutorials
- Background information





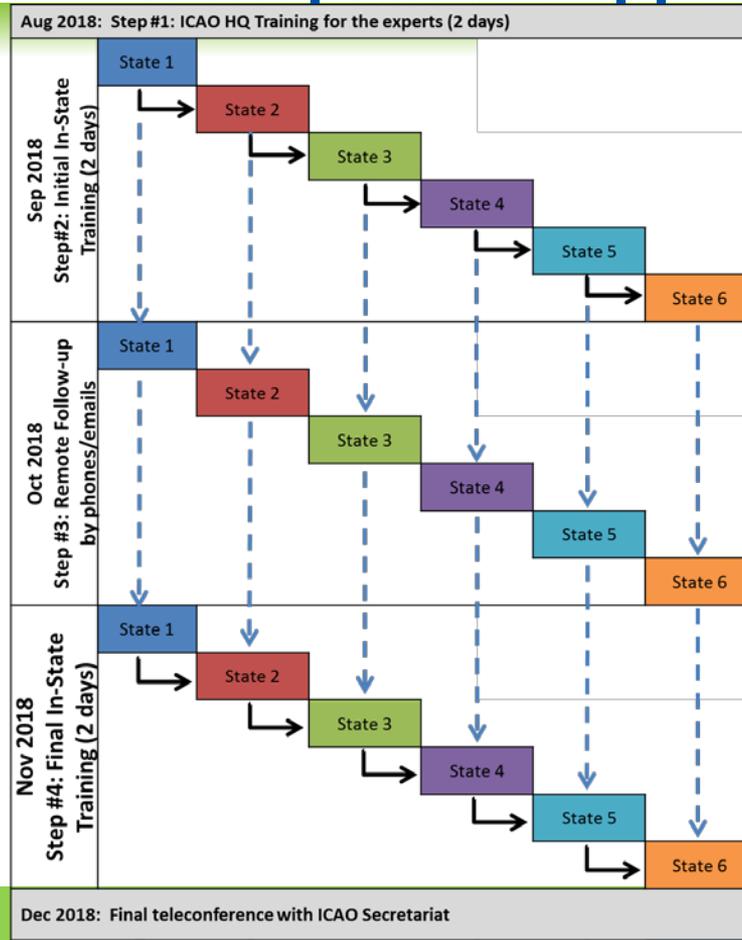
- 1) Development and approval of Emissions Monitoring Plans**
  - 2) Establishment of national/regional regulatory frameworks**
- ICAO coordinated initiative
  - Different cooperation modalities/agreements to be undertaken amongst ICAO Member States for capacity-building and assistance under the umbrella of ICAO



- Council endorsed a plan to provide direct and tailored assistance on CORSIA implementation to States across regions
- States are in different stages of readiness to implement CORSIA
- Some States are ready to support other States
- Buddy partnerships among States are crucial!
  - Assistance to approximately 90 States (subject to financial and/or in-kind contributions from donor States - State letter ENV 1/1.1 - 18/60 )
  - Technical experts, either offered by donor States or hired by ICAO, will be trained in ICAO and work with CORSIA focal points of the support receiving States to provide on-site training and close follow-up (Sep 2018 to early 2019)



# Illustrative example of an expert's work plan to support six States





## At any point, we know who is training who in the world!

- Each trainer / expert will be assigned to an ICAO ENV officer (7 groups)
- The trainers / experts will prepare the training plan for buddy States
- At any time, we have information on the ICAO ACT-CORSIA roadmap and progress on the CORSIA website
- Training taking place outside the ICAO umbrella will not be accounted for



- Capacity-building and assistance are the backbone of the CORSIA Implementation success
- Not only States need to be ready but also operators need further assistance to prepare for the CORSIA MRV requirements from 1 January 2019
- ICAO and IATA are in continuous cooperation to provide capacity-building



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[www.icao.int/corsia](http://www.icao.int/corsia)

THANK YOU

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