

CORSIA Africa and Caribbean

Capacity building for CO₂ mitigation from international aviation
(phase II)

Working for quieter and cleaner aviation.

Your safety is our mission.

An Agency of the European Union 

Project presentation



This project is funded by the European Union
and implemented by EASA.



Capacity building for CO2 mitigation from international aviation Africa and the Caribbean

Location(s) of the action:

Sub Saharan Africa and the Caribbean

Financed by

The European Union

Implementing partner

European Union Aviation Safety Agency

Termination

18 January 2024

Administrative Status



This project is funded by the European Union
and implemented by EASA.

- Project signed on 18 December 2019
 - Project implementation starts on 19.12.2019 – termination date 18.01.2024
- Inception Phase: January - June 2020
 - Extended due to COVID-19 pandemic and the change of all the EASA and EC reference points to July 2021
- Contracts with suppliers significantly delayed due to COVID-19 pandemic
 - Lead Environmental Expert + 2 ENV experts
 - CORSIA Expert
 - NAB Expert
 - ISO Expert
 - AeDMS expert



WHY?



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The **overall objective** of this project is to mitigate greenhouse gas emissions from the civil aviation sector,

more specifically:

to assist specific states to meet their obligations under the Chicago Convention with regard to the United Nations Sustainable Development Goal (SDG) N° 13— Take urgent action to combat climate change and its impacts.



WHAT?



This project is funded by the European Union
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The specific objective is:

Countries track, manage and report their aviation emissions and competently apply CORSIA as from the start of its voluntary phase or at the earliest possible time.



GOALS



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States' abilities to monitor, report and verify (MRV) their civil aviation emissions are strengthen and meet international quality standards

States apply CORSIA methodology, meet its registry requirements and apply CORSIA as early as possible

States' awareness, understanding and knowledge of aviation's climate impacts and of the policies to address them is improved

Who?



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African and Caribbean partners –

National authorities and other organisations that have a direct interest, involvement and influence in the project and are affected by its achievements, such as the Ministries of Transport and verification bodies.

- Airline Operators (Aos), EU National Aviation Authorities (NAAs), accident investigation bodies, civil aviation industry, NAB, VB.
- International and regional organisations relevant in the sector (e.g. ICAO, LACAC, AFCAC, ECAC, CANSO, IATA, RSOOs) in the EU, Africa and the Caribbean
- Interested EU and African/Caribbean citizens are also considered.

STRATEGIES



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Contributes to global climate change action, decarbonisation of the aviation sector, work of ICAO and sectors to net zero target in the interest of citizens and industry.

- This is done by supporting the state aviation authorities and and/or the DGCA/DGC of the ministry of transport

Promotes international environmental standards and expertise

- This is done by
 - assisting civil aviation authorities in their implementation of international environmental standards and recommended practices and strategies
 - assisting National Accreditation Bodies from the region in launching the GHG scheme and CORSIA aligned with ISO and ICAO specific standard

Impact of COVID pandemic



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**Forced stand by
period**

After a long stand by period in 2020, the project resumed its activities at full speed in Q1 2021



**New
methodologies**

Virtual workshops and virtual classroom training when applicable

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Presentation of Project Team



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EASA HQ (Cologne)

- Project Manager:
Eleonora Italia
- Project Assistant:
Gabriella Garaffa



EASA experts

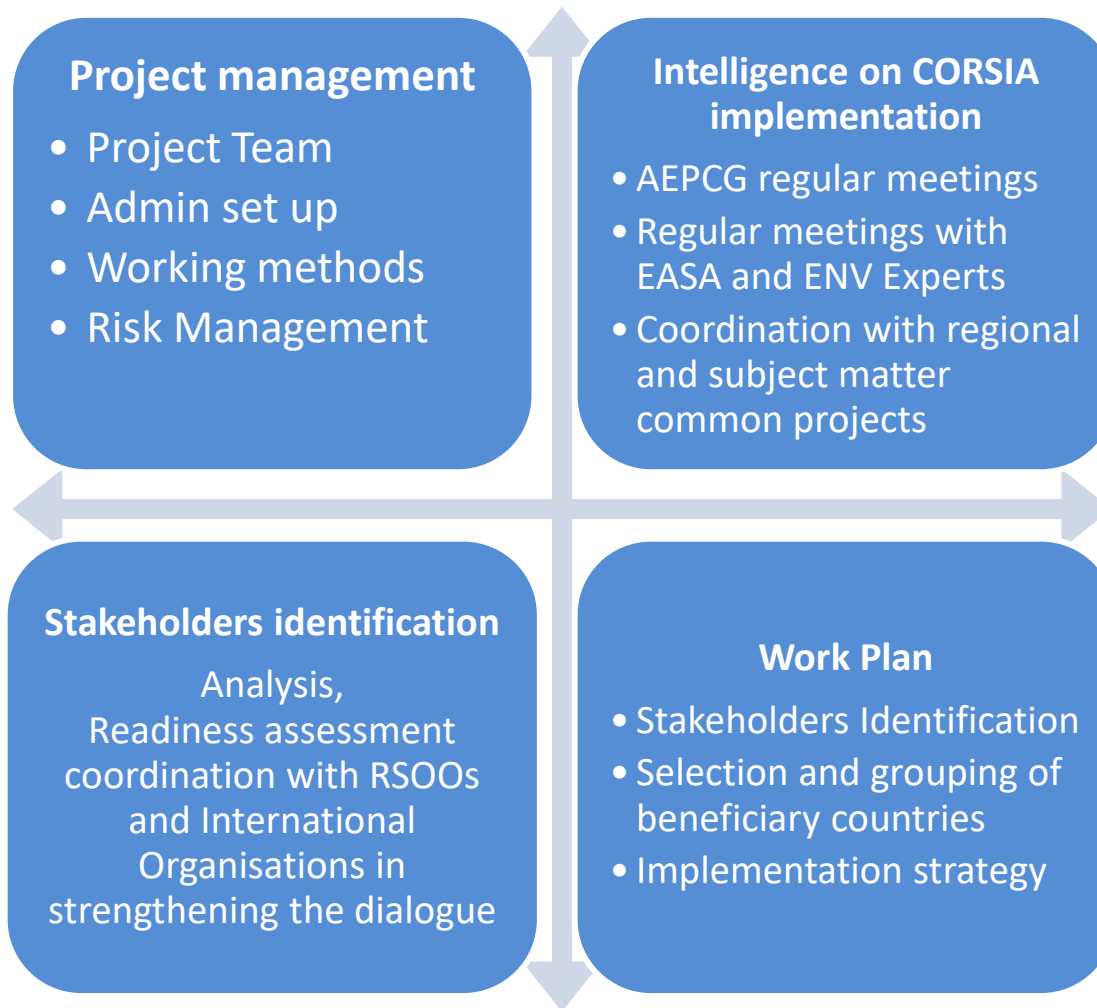
- Chief Expert –
Environmental
Protection:
Stephen ARROWSMITH
- Environmental expert –
Market-based
Measures:
Joonas LAUKIA



External experts

- Lead ENV Expert:
Andreas Hardeman
- 2 ENV Experts:
Monica Bonfanti
- **Maria de la Rica**
- **Africa Abajas**
- NAB Expert:
- ISO Expert:
- IT Expert:

Inception Phase – 4 axis of action



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Inception phase



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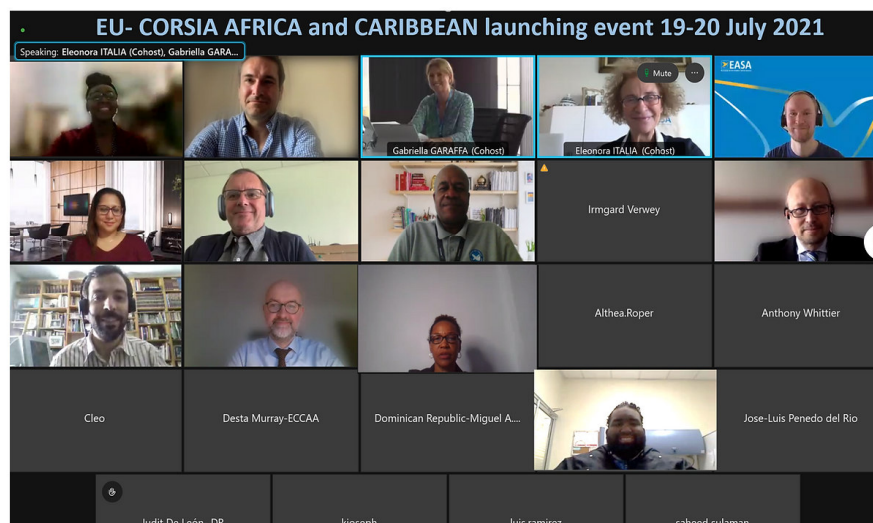
- ✓ Analysis of all the 79 African and Caribbean states
- ✓ Development of the final list of beneficiary countries
- ✓ Setting up the practical project governance arrangements (PSC, PMB)
- ✓ Developing a first work plan
- ✓ Project Steering Committee meeting(s)
- ✓ Organisation of the launching event
- ✓ Recruitment of the Environmental experts
- ✓ Development of the project web site and logo
- ✓ Organise a regional workshop

Main achievements

EU-CORSIA launching event for the Caribbean region 19 - 20 July 2021



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**On:
CORSIA implementation
and order of magnitude
check**

26 participants, from 11 states of the Caribbean region, the European Commission, LACAC, CASSOS and the EUDEL.

In close cooperation with LACAC – CLAC



Latin American
Civil Aviation
Commission

Main achievements



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On:
**on emission monitoring,
reporting methodologies and
data collection tools. It also
intended to foster a culture of
active cooperation and
information sharing among the
partner states and the EU states.**

63 participants, from 31 states of the Africa and Caribbean region, the European Commission, ICAO, LACAC, CASSOA, CASSOS, CANSO, BAGAIA and the ENV experts of AESA, UBA, ENAC.

In close cooperation with LACAC and AFCAC



Latin American
Civil Aviation
Commission



Main achievements



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**Project web
site**



Project logo

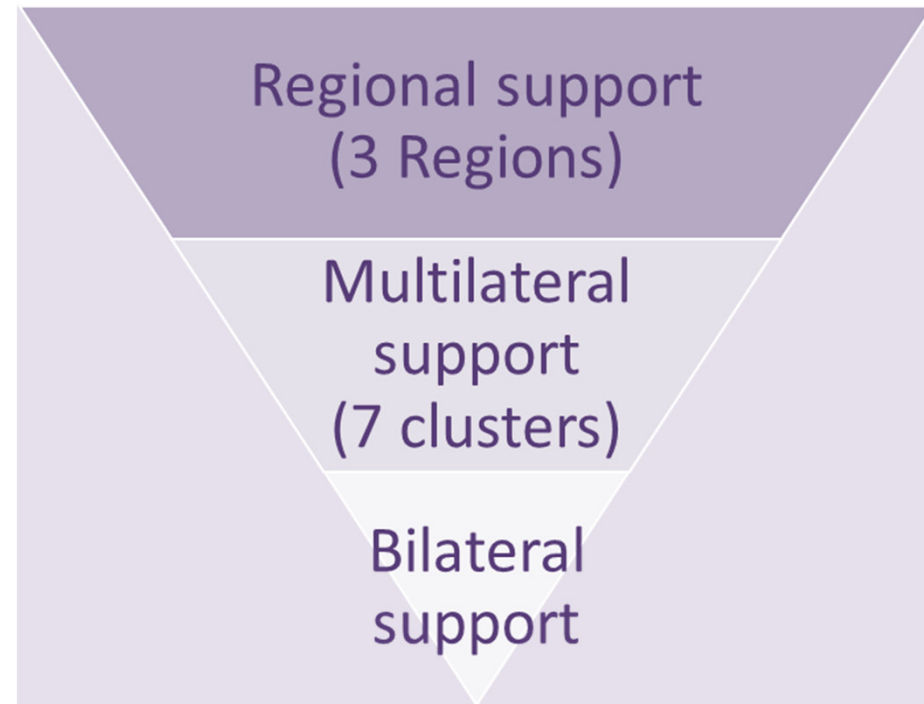


Overall Principles for the Project



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1. High number of states benefitting from the regional workshops
2. Invite more than one state for 'standard training', so that classrooms can be filled to their maximum capacity and more states benefit from generic training
3. Provide bilateral support to only a selected group of states (among those that requested for that), based on a set of criteria that determine the priority of such bilateral support.



Beneficiary countries – selection criteria



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The following criteria have been used to complement the ones identified in the Annex I – description of the action to select the 53 countries out of the 79 countries:

Number of international departures (top 30) (around the 82% of the ACP traffic)	Number of domestic flights to estimate the impact on GHG emission (top 30) (around 97% of domestic ACP traffic)	States having formally asked the Commission for support
States having volunteered to participate from the onset of the CORSIA programme	States that are notified their participation in the pilot phase	

Selection of countries – 3 regions



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#	Africa English speaking countries	
1	Angola	Rwanda
2	Botswana	Seychelles
3	Cape Verde	South Africa
4	Ethiopia	Sudan
5	Ghana	UR of Tanzania
6	Kenya	Uganda
7	Malawi	Zambia
8	Mauritius	Zimbabwe
9	Mozambique	The Gambia
10	Namibia	South Sudan
11	Nigeria	



Selection of countries – 3 regions



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#	Africa Francophone countries	
1	Benin	Guinea-Bissau
2	Burkina Faso	Mali
3	Cameroon	Mauritania
4	Union of the Comoros	Madagascar
5	Côte d'Ivoire	Niger
6	DR Congo	Senegal
7	Equatorial Guinea	Togo
8	Gabon	

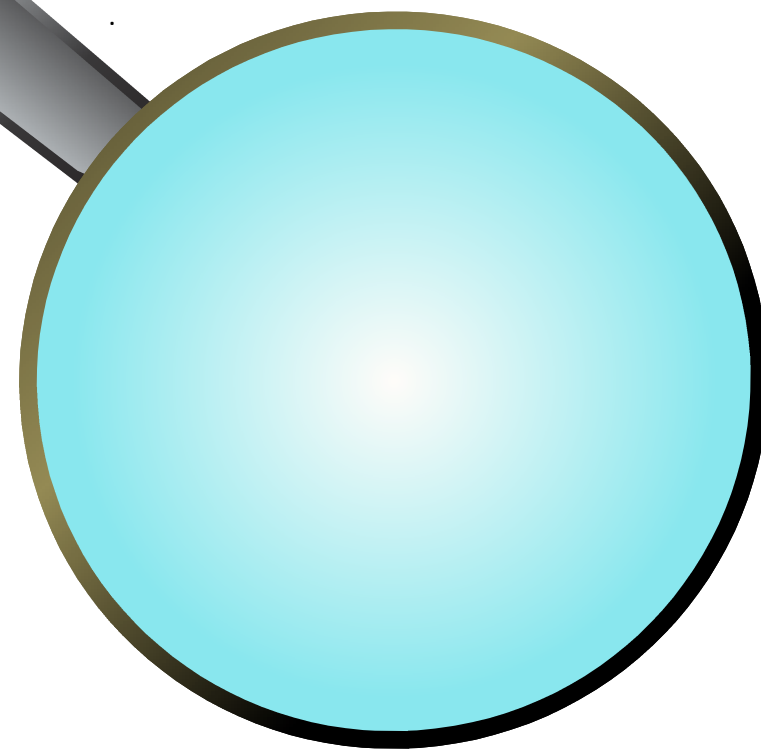


Selection of countries – 3 regions



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#	Caribbean countries	
1	Antigua and Barbuda	Haiti
2	Bahamas	Jamaica
3	Barbados	St. Lucia
4	Belize	Trinidad and Tobago
5	Cuba	Grenada
6	Dominican Republic	Saint Kitts and Nevis
7	Guyana	Suriname



Preparation of Work Plan



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Tailored to States' needs



clustered approach



Mindful with CORSIA implementation deadlines



Flexible to adapt to the ongoing development of CORSIA and
to the actual progress of the Stakeholders



Work plan



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Activities pertaining to Area of Activity 2	2021				2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Launching events												
Regional workshops												
Multilateral workshops												
Bilateral support - legal												
Bilateral support – accreditation												
Bilateral support – eligible emission units												
Bilateral support – IT tools												
Closure												

Activities pertaining to area of Activity 3	2021				2022				2023			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Launching events												
Regional workshops												
Multilateral training – EMS												
Multilateral training – Indicators and M&E												
Bilateral support – EMS implementation												
Closure												

Regional event 2022



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Regional workshops (1 per region) on aviation's climate change impacts and related policy measures



Latin American
Civil Aviation
Commission

EU-CORSIA
Africa & Caribbean



Raise knowledge and understanding and promote engagement with national transport/aviation and environment/climate entities as well as regional participation

To provide a broader understanding of aviation climate impacts and associated policy measures

Multilateral activities-training



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criteria and procedures on
eligible emission units.
Provide support in
designing robust criteria
and procedures for the
assessment of CORSIA
eligible units

states and their aeroplane
operators in designing the
EMP, in identifying the
most suitable methods and
means for CO₂ emissions
monitoring

states and aeroplane
operators on the ER
procedures

importance of using
climate indicators and M&E
procedures at project and
sector level

states and their industry
on aviation's climate
change impacts and related
policy measures.

creating national and/or
regional verifiers for the
purposes of CORSIA
verification process

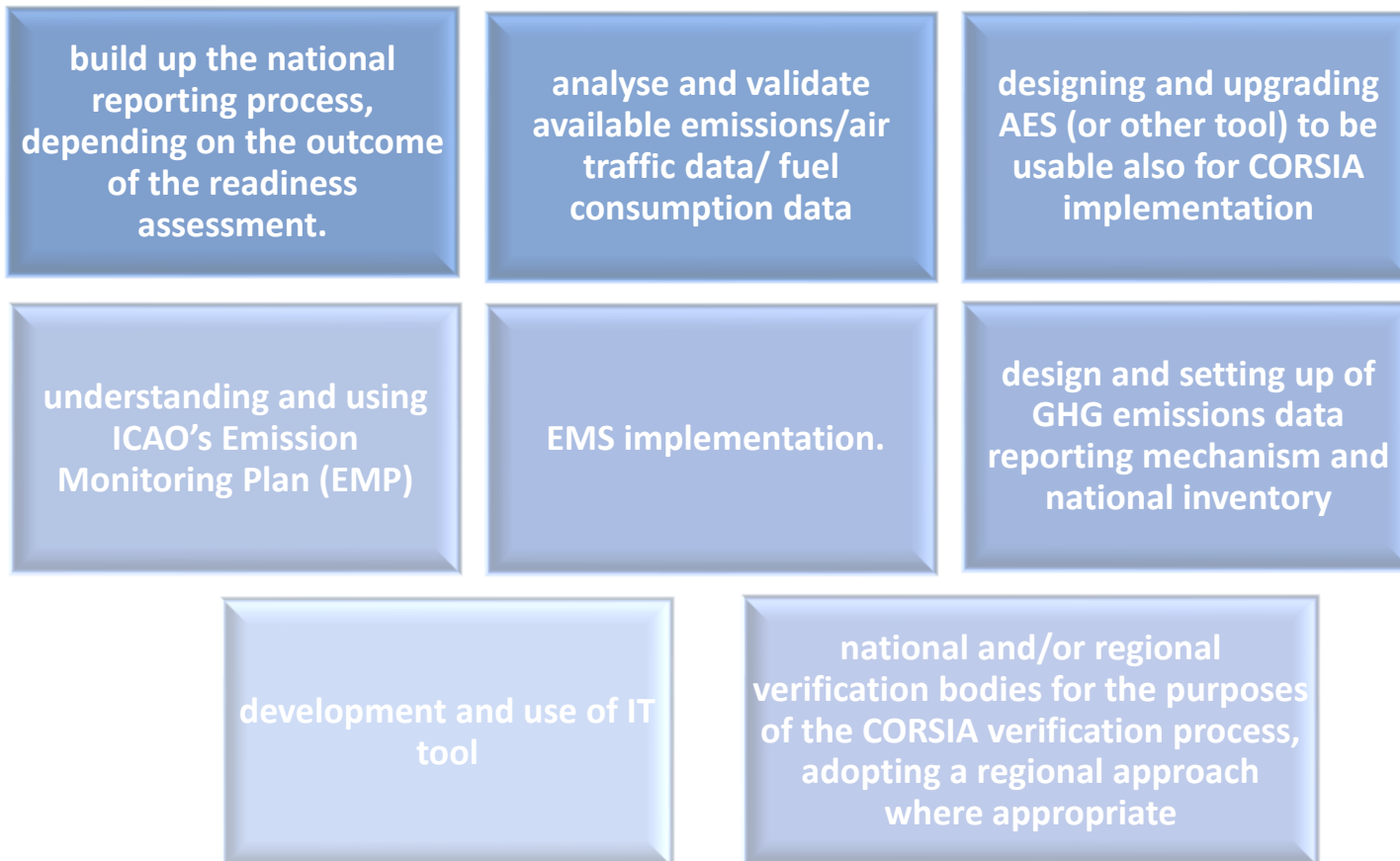
IT data collection tools and
processes to states joining
CORSIA pilot phase

practical ways and
mechanisms to reduce
emissions from the sector

Bilateral support



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Rationale of the bilateral support – working method



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Questionnaire

36 states replied to the questionnaire, directly or through the RSOO they are member of, demonstrating the engagement of the majority of partner states despite the lack/paucity of ENV officials in SAs.



questionnaire_CORSA_AF_C

Created	30/09/2021	Owner	garafga
Start date	Not specified	Expiry date	Not specified
Replies	21	Translations	EN

Bilateral meetings between experts and state focal points



On going activities



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A 2.1. Support countries in creating the legal regulatory framework required to implement CORSIA

Desktop review of primary aviation legislation, specific operating regulations, and regulatory framework in partner states

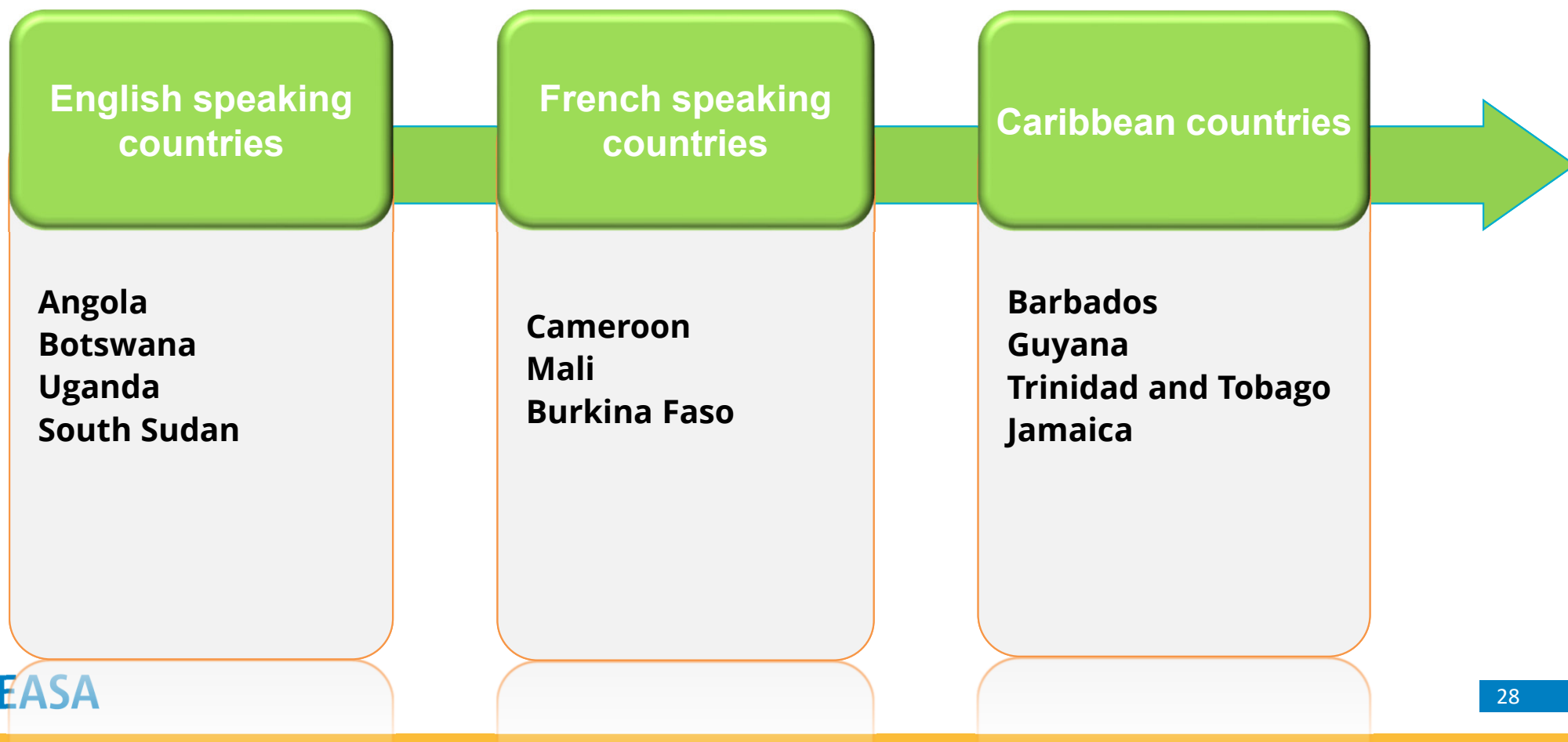
Desktop review of the organisation in place for the MRV implementation in partner states

To carry out the readiness assessment (e.g. resources available, training, policy and procedures)

Legal framework



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On going activities



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A 2.2. Support countries in designing the MRV system and the related EMP and ER. Support in designing and upgrading AES as per CORSIA requirements

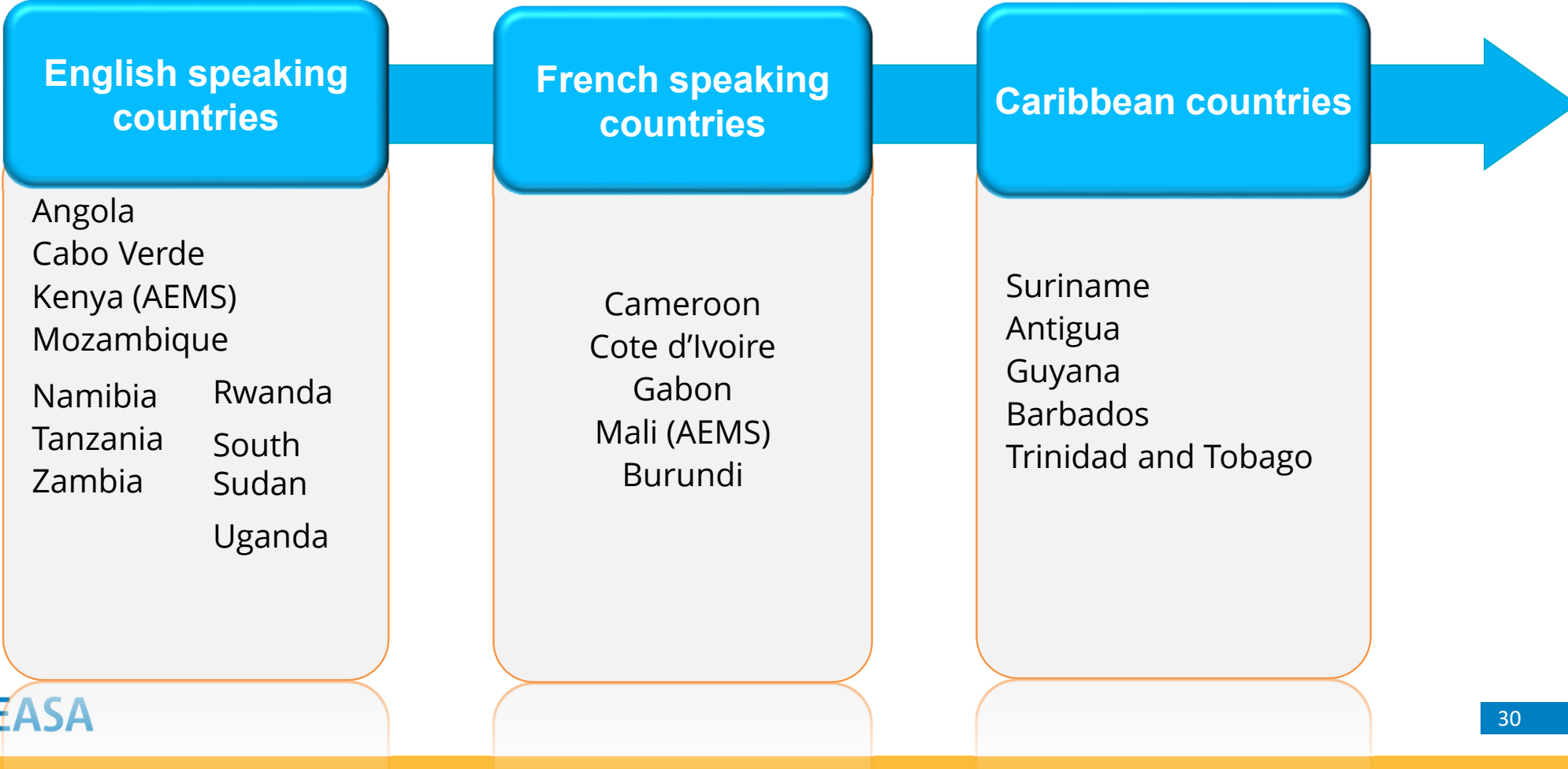
Review of the national legal MRV framework implemented and enforceable to handle Emission Monitoring Plans (EMP) and Emissions Report (ER) in partner states

Review the criteria and procedures in place at national level on eligible emission units in partner states

Support the implementation of the MRV system and the related EMP and ER



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On going activities



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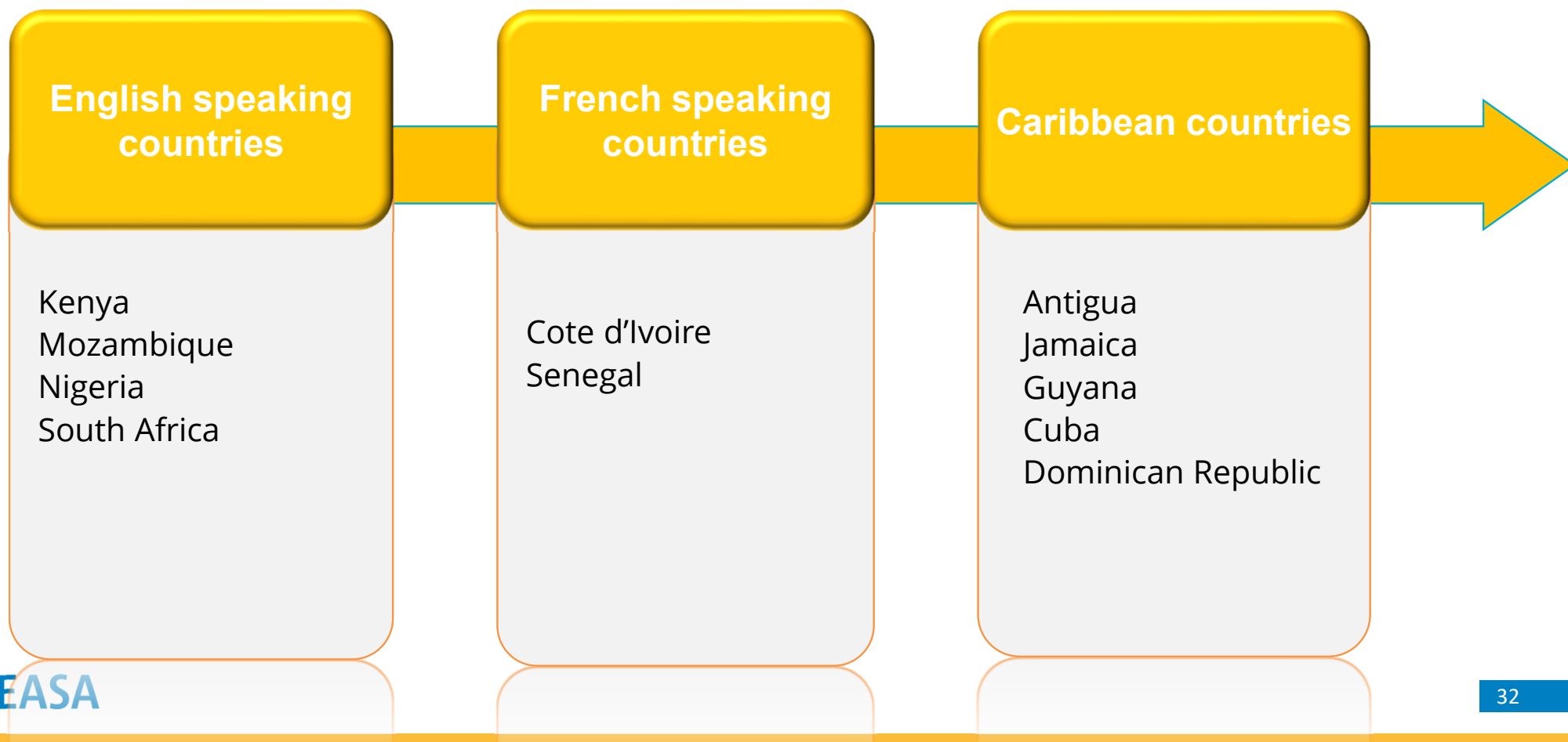
A 2.3. Support in designing the required legal framework for accreditation system at the national level. Support in creating national and/or regional verifiers for the purposes of CORSIA verification process. Training, capacity engagement and capacity building for DGCAs and national accredited verification entity on CORSIA verification system

Review of the
status of the
national
accreditation
system

NAB and VB



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CORSIA Africa and Caribbean

Questions?

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easa.europa.eu/connect



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