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ENVIRONMENT

Annual Regional Workshop on Environmental Protection

Session 2 - States Action Plans for Emissions Reduction

“Cabo Verde Experience”

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CORSIA/SAP/SAF



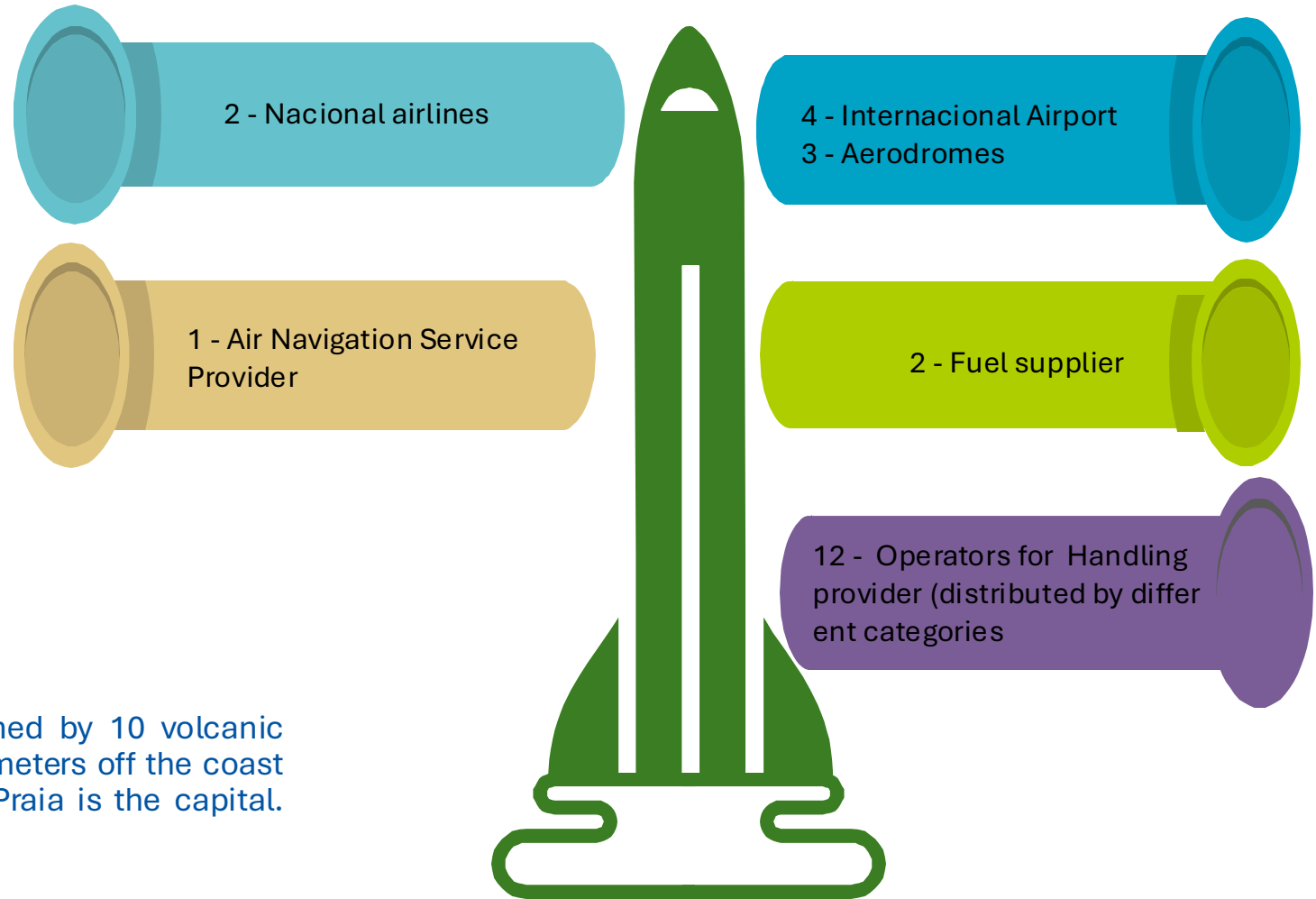
AGENDA

- 1. Overview of National Aviation Sector**
- 2. Background of Cabo Verde State Action Plan**
- 3. CO2 Emission from National Aviation**
- 4. National State Action Plan Team**
- 5. Mitigation Measures Select**
- 6. Implementation of Mitigation Measures (2025)**
- 7. Reduction of CO2 emissions**
- 8. Next steps and challenges**

1. Overview of National Aviation Sector



Cabo Verde is a islands country, an archipelago formed by 10 volcanic islands in the Central Atlantic Ocean, at about 570 kilometers off the coast of West Africa. Have +/- 500 thousand of population. Praia is the capital. Portuguese is the oficial language.



2. Background of Cabo Verde State Action plan



3. National State Action Plan Team

Ministry of Energy



Ministério da Indústria, Comércio e Energia

Ministry in charge for Air Transport



Fuel Supplier



Ministry of Environment



Air Navigation Service Provider



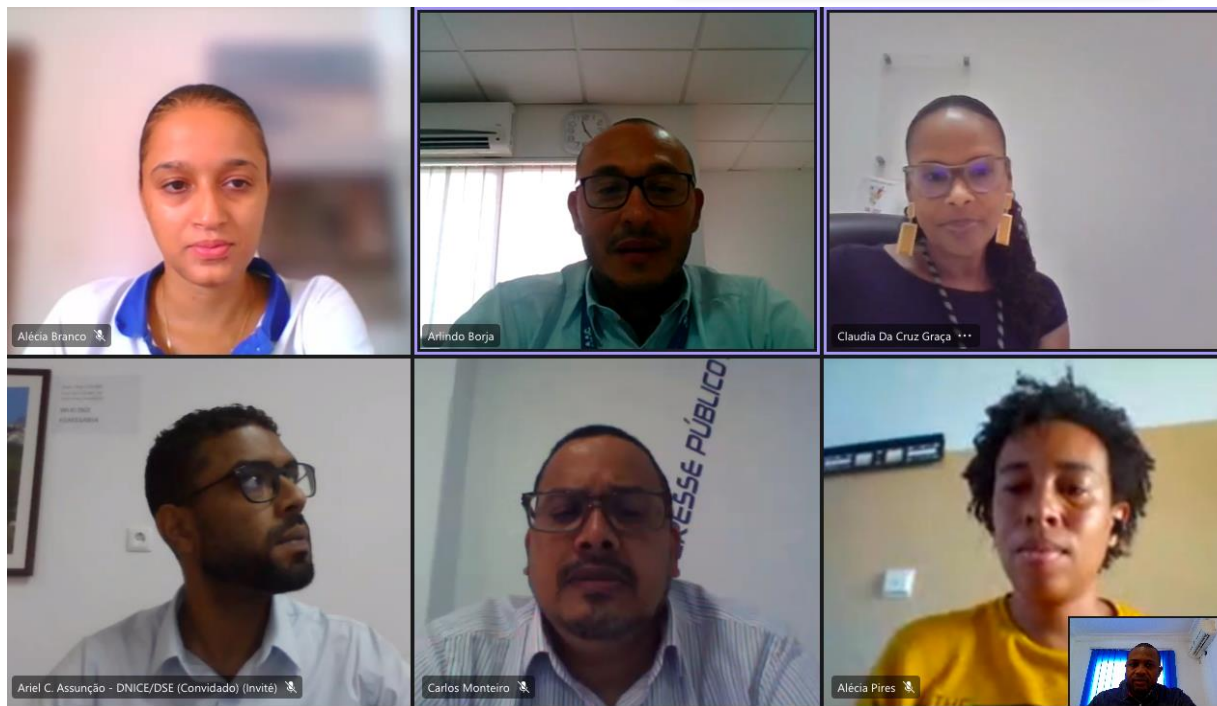
Ground handling service provider



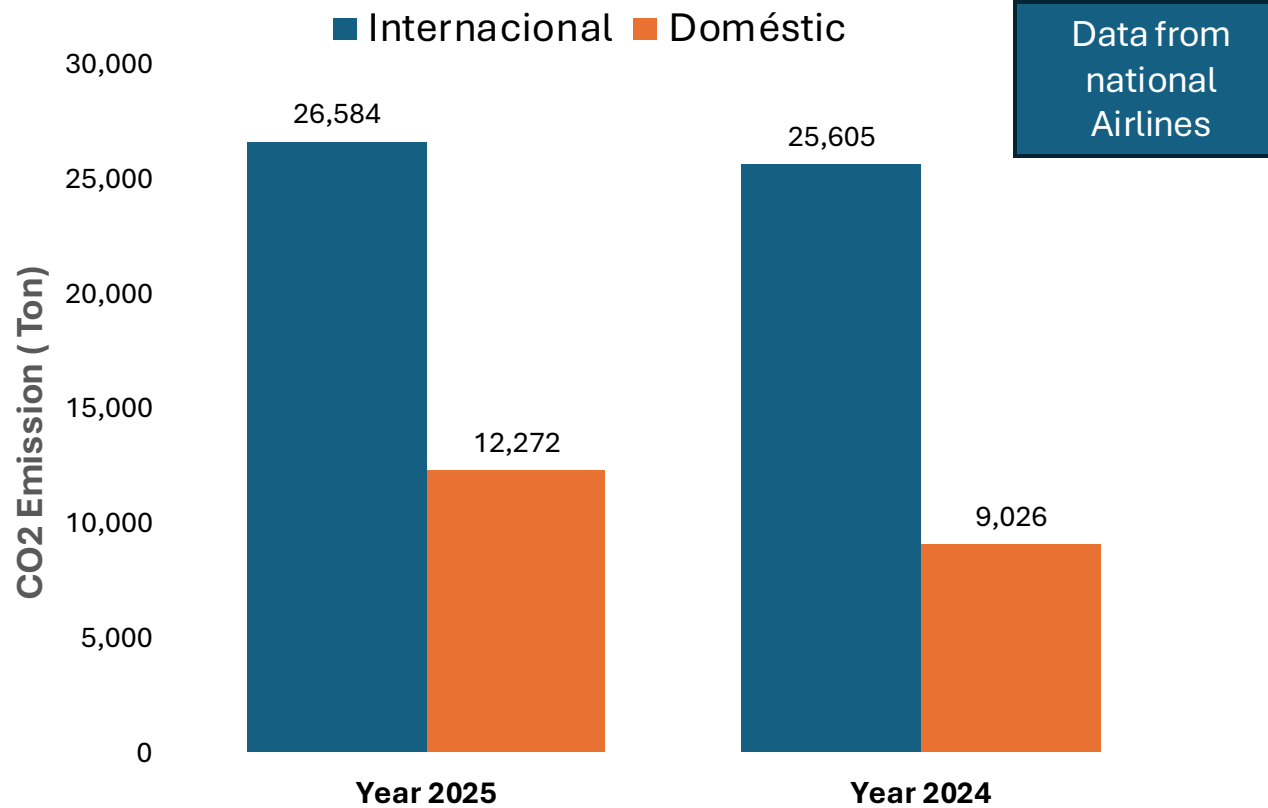
Airport



Airlines



4. CO2 Emission from National Airline

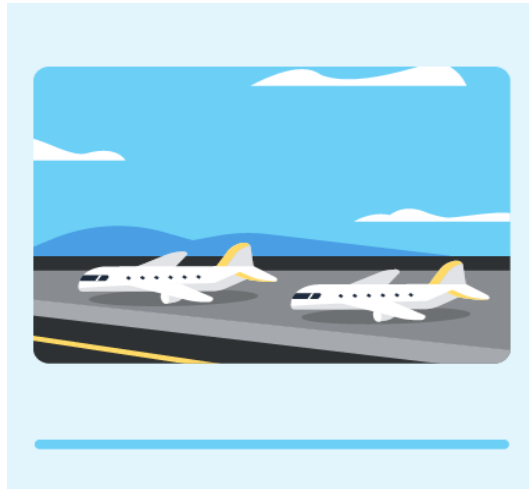
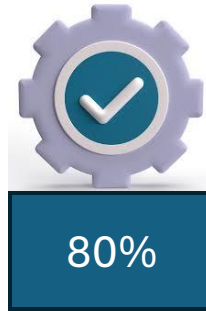


Total CO2	38 856 (Ton)	34 631 (Ton)
Total Flight	6.704	5.320



Every month the nacional operator send the Form ENV1 with the data and We use the ICAO tool (AES) to generate the data from CO2 emission.

5. Mitigation Measures Select



7,5 m euros

Airport improvements
Select 11 (61%) ; Done (86%)

Aircraft related technology development
0



Improved Air Traffic management
Select 6 (33%); Done (80%)

Sustainable aviation fuels (SAF)
Select 1 (6%): Done (0%)



6. Implementation of Mitigation Measures (2025)

N°	Measures	Stakeholders	% of Implementation
MM1	Conduct a feasibility study to assess the potential of alternative fuel in Cabo Verde	AAC/MICE	0%
MM2	RNP4 implementation in the Europe/South America (EUR/SAM) corridor	ASA	80%
MM3	Publication of authorization for the planning of direct routes in the FPL in SAL FIR (Aircraft can fly in SAL FIR from entry point direct to exit point, without intermediates point)	ASA	100%
MM4	Implementation of PBN SID and PBN STAR procedures at Praia and Sal international airports	ASA	100%
MM5	Design and implementation of CCO procedures at all international airports (2019-2022)	ASA	100%
MM6	Design and implementation of CDO procedures at all international airports (2019-2022)	ASA	100%

6. Implementation of Mitigation Measures (2025)

N°	Measures	Stakeholders	% of Implementation
MM7	Adaptation of Taxiway A for medium/large aircraft for the airport AICE	CVA	100%
MM8	Full replacement of conventional lighting by LED in buildings and facilities of all the international airports	CVA	100%
MM9	Installation of photovoltaic panels in international airports Aristides Pereira (AIAP)	CVA	100%
MM10	Installation of photovoltaic panels in international airports Nelson Mandela of Praia (AINM)	CVA	100%
MM11	Installation of photovoltaic panels in DNA	ASA	0%
MM12	Installation of photovoltaic panels at Aeroporto Internacional Cesária Évora (AICE)	CVA	100%

6. Implementation of Mitigation Measures (2025)

N°	Measures	Stakeholders	% of Implementation
MM13	Installation of photovoltaic panels Aeroporto Internacional Amílcar Cabral (AIAC)	CVA	100%
MM14	Replacement of obsolete AC equipment (R22) with modern and more efficient equipment in all the international airports of Cabo Verde	CVA	95%
MM15	Placement of motion sensors for lighting control in all WCs at international airports Cesária Évora and Aristides Pereira	CVA	100%
MM16	Change the internal procedures regarding disembarkation with the aid of buses, prioritizing the embarkation on foot by managing the stands closest to the terminals- CVH	CVH	100%
MM17	Replacement of Follow-me vehicles and VIP terminal vehicles and maintenance vehicles by electric vehicles at international airports of Aristides Pereira, Nelson Mandela and Amílcar Cabral	CVA	35%
MM18	Acquisitions of GSE cleaner fuels, namely electric GSE	CVH	30%
Global			80%

Recognition of the work done by the Cabo Verde Airport



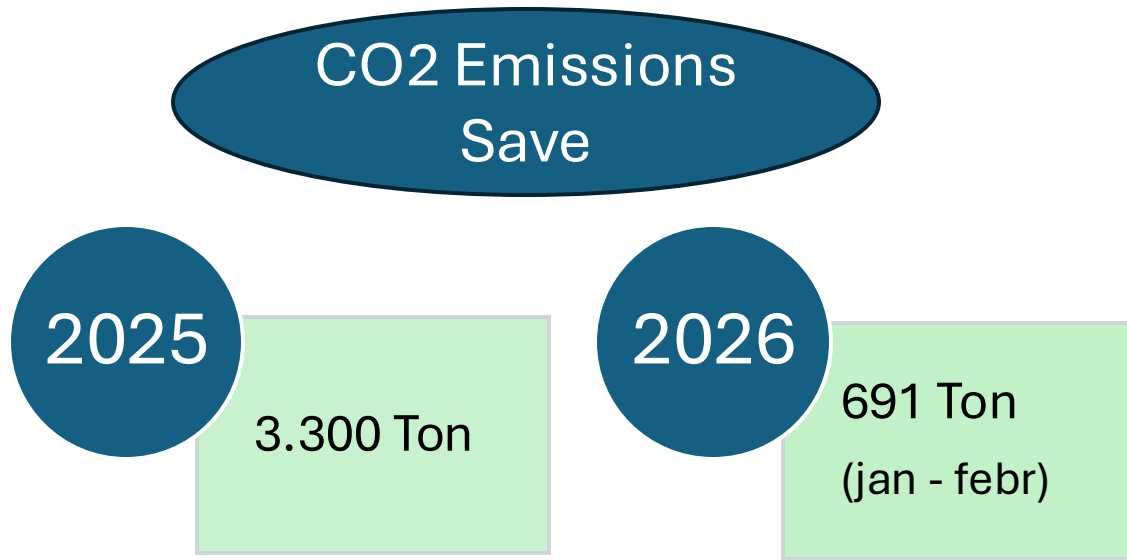
Energy efficiency at the airports and aerodromes in Cabo Verde has been one of action for **Cabo Verde Airport**. The solar panel installed at Sal, Praia and São Vicente Airports have a current average coverage of 25%, 30% and 25%, respectively . **Boa Vista is the first airport to approach 100% self-sufficiency energy.**



Same picture of mitigation measure implemented



7. Reduction of CO2 emissions



8. Next steps and challenges

Continue monitoring the mitigation measures.

Update the State Action Plan - 2026/27.

Conduct a workshop on SAF with the National State Action Plan Team.

Conduct a feasibility study to assess the potential of alternative fuel in Cabo Verde.



**next
steps**





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Obrigado
Thank You
Merci

