



# 2024 ICAO LTAG STOCKTAKING

7 — 10 OCTOBER 2024

ICAO HEADQUARTERS, MONTREAL, CANADA



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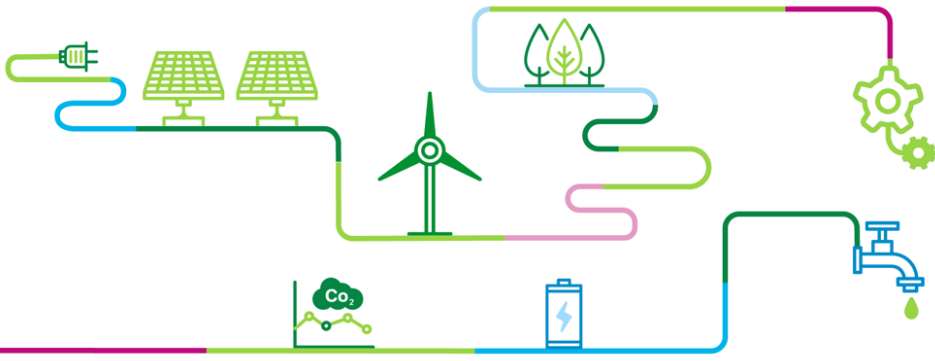


## Kurtis Lespoir

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Seychelles Civil Aviation Authority

Session 7: Monitoring progress towards the LTAG,  
through State Action Plans





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## Content

- Setting the scene
  - 52 years of Aviation
- Aviation and Environment: The Journey
- State Action Plan
- Monitoring and Lessons Learned
- Towards Net Zero Emissions- Beyond SAP



## Environment

Protect our environment and heritage.



# Setting the Scene

- Seychelles is an archipelago located East Coast of Africa
- Comprises of 115 coralline and granitic islands
- Population 100, 854 (June 2024)
- Economy dependent on Tourism (avg. +300,000 per annum)
- Over 90% travel by air



# 52 years of Aviation

- Construction of the Seychelles International Airport completed in 1971 and officially opened in 1972, by the Late HM Queen Elizabeth II. Remains sole international airport to date.
- First commercial flight landed in Seychelles in 1971 was the BOAC SUPER VC10
- Seychelles Airport changed – Now occupies 1.1 million square meters
- **13 million passengers** travelled through the airport since opening in 1972
- Average annual pax. throughput is at **+1M** and cargo throughput average is at **9,417** tons
- 10 international airlines on the Seychelles route + 3 domestic operators



# AVIATION AND ENVIRONMENT : THE JOURNEY



## SEES Policy

SCAA commits to a Greener Future, through the launch of a policy that puts sustainability, Energy efficiency and environment protection at the core of all future developments.

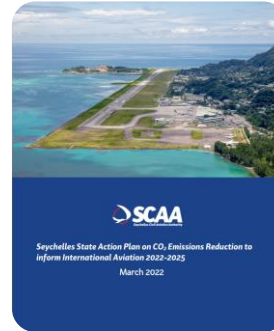
2015



## Alignment with ICAO

- SCAA includes environment in its 5-year business plan.
- A new Environment Office is created.
- Rigorous training on CORSIA.
- Internal and external engagements.

2018



## State Action Plan

- SAP focal point Nominated.
- With Assistance of ICAO under EU funding Seychelles took **six months** to develop its SAP.

2021



## Endorsement & Implementation

- SAP approved and submitted in June 2022.
- Implementation of SAP- e.g. Seychelles pledges to voluntarily participate in CORSIA in October 2022.

2022



## STATE ACTION PLAN : 2022-2025

- Considering government recognition of growth of aviation sector and need to build database and research for future decision making.
- No mitigation measure CO2 emissions from international aviation will grow from 64,958.51 tons of CO2 (tCO2) in 2019 to 368,089 tCO2 in 2050.
- Using the ICAO Assembly Resolution 39-2, Seychelles selected 15 Mitigation Measures from the basket of measures, within the following categories.

### Sustainable Aviation Fuel

- ❖ Feasibility Study

### Operational Improvements

- ❖ Improve the use of optimum flight levels
- ❖ Improve the use optimum routings
- ❖ Efficient Departure and Approach procedures – PBN STAR
- ❖ Efficient Departure and Approach procedures – CDO
- ❖ Efficient Departure and Approach procedures –CCO
- ❖ Utilize RNAV/RNP Capabilities
- ❖ Minimizing weight – Past projects (Air Seychelles)
- ❖ Minimizing Weight- Biodegradable products
- ❖ Minimizing weight- Plastic free flights

### Market Based Measures

- ❖ Voluntary inclusion of state in CORSIA

### Supplemental Benefits

- ❖ Installation of LED Lighting
- ❖ Reduce Energy demand and Preferred cleaner energy sources-feasibility study
- ❖ Conversion of GSE to cleaner fuels
- ❖ Electrically operated ground vehicles

- Implementation will result in reduction of **3,546tCO2 emissions** from international Aviation per year

# Monitoring and Lessons Learned

- Monitor through **engagement with NAPT members** and periodic update of internal database
- Utilizing AES to monitor CO2 Emissions level and identifying correlation with measures
- Implementation of SAP in context of SIDS has challenges:
  - Funding
  - Lack of regulatory framework
  - Willingness of stakeholders/buy-in
  - Capacity and long-term sustainability (manpower)
- New Opportunities
  - Create platform for engagement with government and stakeholders
  - Incorporate sustainability elements in government Air Transport Policy
  - Putting in place processes and building regulatory framework for compliance
  - Training



# TOWARDS NET ZERO EMISSIONS



## Collaboration

Advantage of being a SIDS with a small population. Engagement is much easier.

## Sensitization & Education

Rigorous internal and external engagement to sensitize about LTAG. Launch Partnerships and projects.

## Updated SAP

New SAP by 2025.

## Preparing Future Generation

Engagement with community to build interest towards a sustainable aviation future.



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# Thank You

