

Voice of the world's airports

"Net Zero 2050" Target and the Airport Carbon Footprint Accreditation Program - ACA

Filipe Pereira dos Reis Senior Advisor, ACI-LAC Mexico, May 2024



Airports Council International (ACI)

ACI-LAC is the regional office of Airports Council International (ACI) that represents the interests of airport operators in Latin America and the Caribbean.

<u>Mission</u>: to be the voice of the world's airports and to promote excellence in airport management and operation.



The only global association of airports

Presence in Africa, Asia-Pacific, Europe, North America and Latin America and the Caribbean.



ACI: Global to Local Scope

The only association that works at all levels of the airport industry.

- ACI promotes professional excellence in airport management
- ACI represents airports before governments, authorities and international organizations such as ICAO in the development of policies, standards and recommended practices.
- ACI also provides training and technical assistance to member airports.



Commitment to Long-term ACI Carbon Reductions

Net Zero by 2050 established in 2021

Commitment



"ACI member airports, globally, are committed to achieving Net Zero Carbon Emissions by 2050 and urge governments to provide the necessary support to achieve this effort."

- 1. Why do we establish a commitment?
- 2. What is Net Zero?
- 3. Net Zero vs Carbon Neutral



Global commitment reflects regional differences

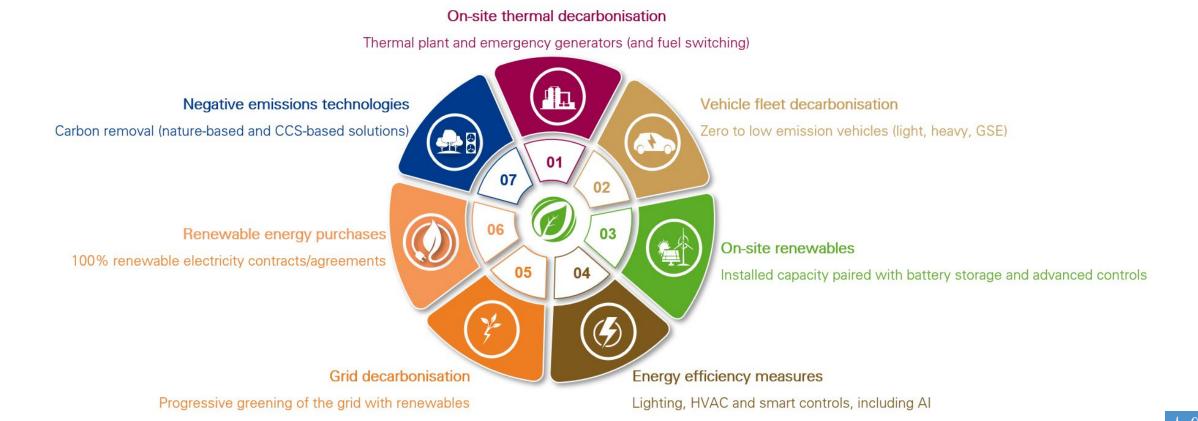
Geographic location matters

Relevant differences between regions





Main measures that will influence the decarbonization of airports



Measures to reduce emissions

Technology and Innovation







- 554 accredited airports around the world
- 78 in Latin America and the Caribbean in 18 countries
- Nearly 52% of passengers worldwide fly through accredited airports
- The program helps airports manage and reduce their carbon emissions.





Key features:

- Single global standard for CO2 emissions management
- Institutionally recognized by international organizations such as ICAO, European Commission, EUROCONTROL, FAA and UNFCCC.
- Recognizes and evaluates CO2 emissions management at airports
- Provides technical support for the management of CO2 emissions at airports
- 7 levels of accreditation



Governance and Advisory Board



Independent expert Advisory Board

- Policy direction, approval and advice
- Overall administrative oversight (Administrator, Technical Task Force)
- Monitors and strengthens progress of programme
- Encourages external recognition and endorsement

Task Force

Technical task force of airport environmental managers

• Continuing relevance of technical standards



Administrator

Programme Owner

Advisory

Board

Owned by ACI EUROPE

- Public positioning and marketing of programme
- Engages Administrator
- Optimises institutional approval
- Sets programme fees

Independent Administrator - WSP

- Applicant registration and processing (entry, renewal and upgrades)
- Formal accreditation approval
- Annual and interim reporting and accounting
- Day-to-day secretarial work and administration
- Programme Help Desk
- Verifier oversight and training

























Level 1 - Mapping

Carbon Footprint Measurement

- Identify the source of Scope 1 and 2 emissions.
- Policy of commitment to emissions reduction.
- Data collection and calculation of annual carbon emissions
- Elaboration of carbon footprint report (scope 1 and 2)





Level 2 - Reduction

Defining a plan for emissions management

- Evidence of effective carbon management, including the establishment of targets.
- Demonstrate a reduction in Scope 1 and 2 CO2 emissions compared to the 3-year rolling average.





Level 3 - Optimisation

Third-party participation in carbon footprint reduction

- Scope of carbon footprint includes Scope 3 emissions.
- Evidence of stakeholder commitment to reduce emissions,





Level 3+ Neutrality

Offsetting of remaining carbon emissions (scope 1 and 2) that cannot be reduced

 Compensate residual emissions using internationally recognized offsets (carbon credits).





Level 4 - Transformation

Long-term carbon management strategy towards absolute emission reductions

- Extended carbon footprint
- Long-term absolute emission reduction target
- Define actions to achieve target and intermediate milestones to measure progress, aligned with the IPCC's 1.5°C.
- Evidence of third party involvement in emission reductions.





Level 4 + Transition

Residual emission offsets

 Compensate residual emissions using internationally recognized offsets (carbon credits).



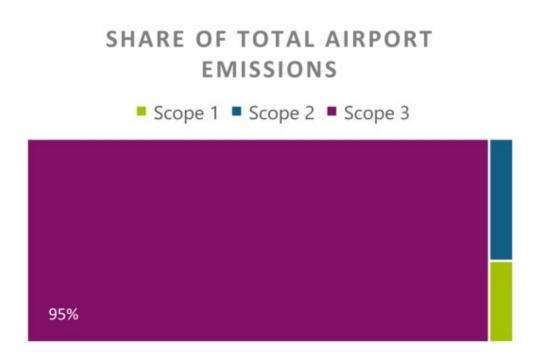


Level 5

Highest level of the program setting the highest criteria for absolute emission reductions

- Achieve and maintain a ≥ 90% reduction in absolute CO₂ emissions in Scope 1 and 2, and commit to achieving Net Zero Emissions in Scope 3 by 2050 or earlier.
- Use of carbon removals to offset residual emissions

Example of Carbon Footprint of an airport



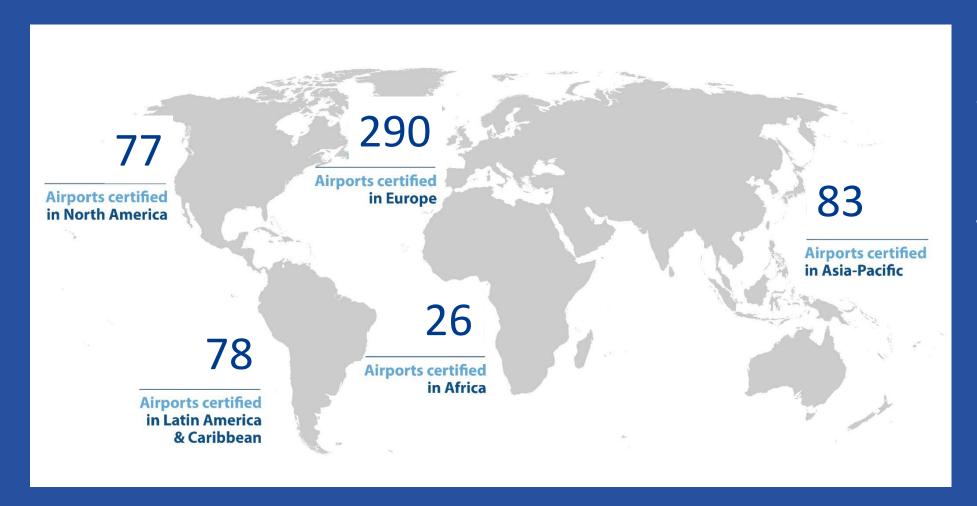
95% SCOPE 3 EMISSIONS











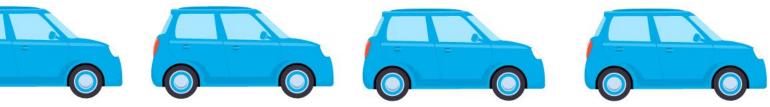
554 airports in 86 countries

55% of the world's traffic

3.600 M of pax

2022.2023
airport carbon accreditation

-1,232,196 tonnes of CO2e



is equivalent to removing **250,000** cars from the road





- 78 Airports in Latin America and the Caribbean
- 18 countries / territories





Decarbonization and Sustainability

Main challenges and opportunities



Electrification - demand continues to increase



New infrastructures - new energy sources and new generations of aircrafts



New Business Models - Hydrogen / Electric Aircraft



Adaptation to Climate Change



Communicating Better - Climate Emergency Response



Resilience and Adaptation to Climate Change

Research and environmental policy





Thank you!

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