ICAO ENVIRONMENT

ICAO Environmental Symposium 2019

DESTINATION GREEN: THE NEXT CHAPTER

Green and Resilient Airports: about and beyond environment and airports

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A fast evolving concept to a fast growing industry

Meeting growing capacity demand and sustainably evolving

Being responsible according to the latest scientific evidence

Being more resilient

Bringing others to action

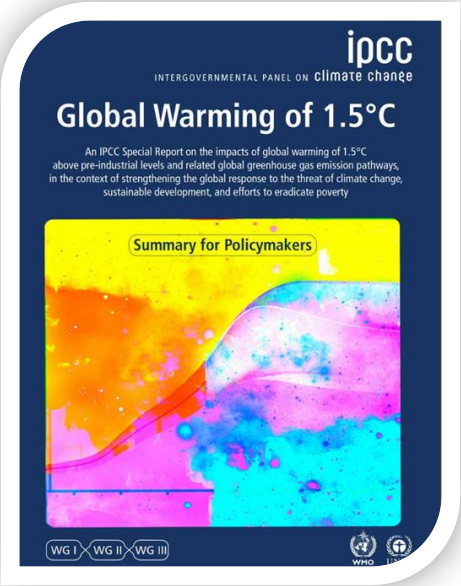
Understanding local/regional differences and limitations

Going beyond environmental impacts

Business to society challenge

- Being part of the communities they serve and adjusting to the change in societal values
- Social outcomes of business investments and business outcome on social investments

Is climate change promoting change in societal values?



#Fridaysforfuture

Carbon/GHG Emissions	Noise Management	Local Air Quality	New Technologies Opportunities Disruption?	Non-acoustic Factors of noise annoyance	Airspace Modernization
Waste Management Circular Economy	Environment Governance	Biodiversity	Engaging non-traditional stakeholders	Challenges	Beyond environment and the airport
Community Engagement	Water Management	Sustainable Aviation Fuels	Fast evolving society	Building new green and resilient infrastructure	Operating Sustainably

How ACI is responding to these challenges?

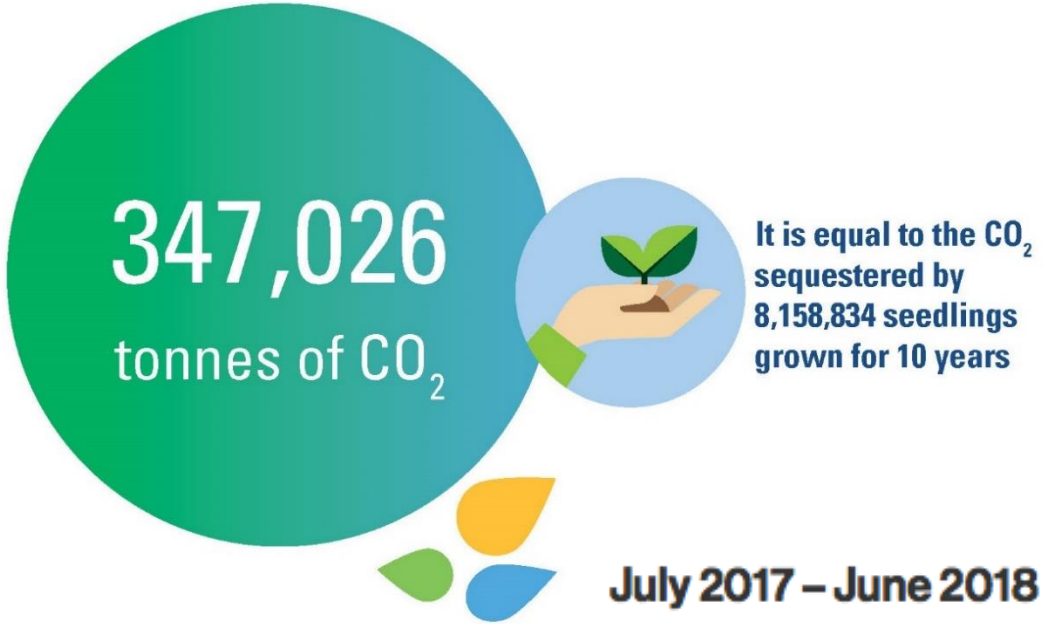
- Developing policies and expertise through our Environment Committees
- Developing programmes, tools, publications and sharing best practices
- Working closely with our members and regions to (re)define and adapt
- Collaborating with ICAO and especially CAEP
- Cooperating with aviation industry stakeholders and our business partners
- Providing training and capacity building initiatives
- Promoting exchange of knowledge and networking opportunities through our global and regional events

10
YEARS
airport
carbon
accreditation
MAPPING I REDUCTION I OPTIMISATION I NEUTRALITY

Welcoming **3.6 billion** passengers per year.

In **71** countries across the world.

Or **43.8%** of global air passenger traffic.

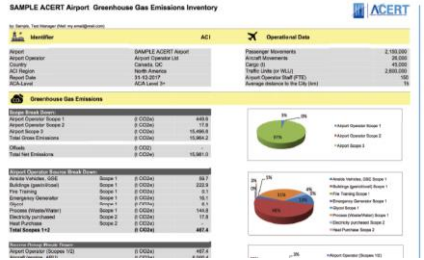

347,026
tonnes of CO_2
It is equal to the CO_2 sequestered by 8,158,834 seedlings grown for 10 years
July 2017 – June 2018

Airport Carbon Emissions Reporting Tool - ACERT 5.1

- Updated emission factors
- More options for individual fuels and refrigerants
- Friendly interface

ACERT
AIRPORT CARBON AND EMISSIONS REPORTING TOOL

- A simple IT solution designed by airports for airports
- Calculates Greenhouse Gas (GHG) emissions at and around the airport
- Produces a comprehensive inventory highlighting KPIs and supporting information



Available at ACI website

airport carbon accreditation
MAPPING | REDUCTION | OPTIMISATION | NEUTRALITY

ACERT is compatible with all levels of Airport Carbon Accreditation and provides relevant information required for the ACA Online Application.

ACERT@aci.aero

AGES-S

AIRCRAFT GROUND ENERGY SYSTEM – SIMULATOR

- Defining environmental and economic benefits of replacing the use of the APU for Aircraft Ground Energy Systems
- Supporting the development of a business case to work in collaboration with stakeholders

Available at ACI website

ACI APEX AIRPORT EXCELLENCE PROGRAMMES

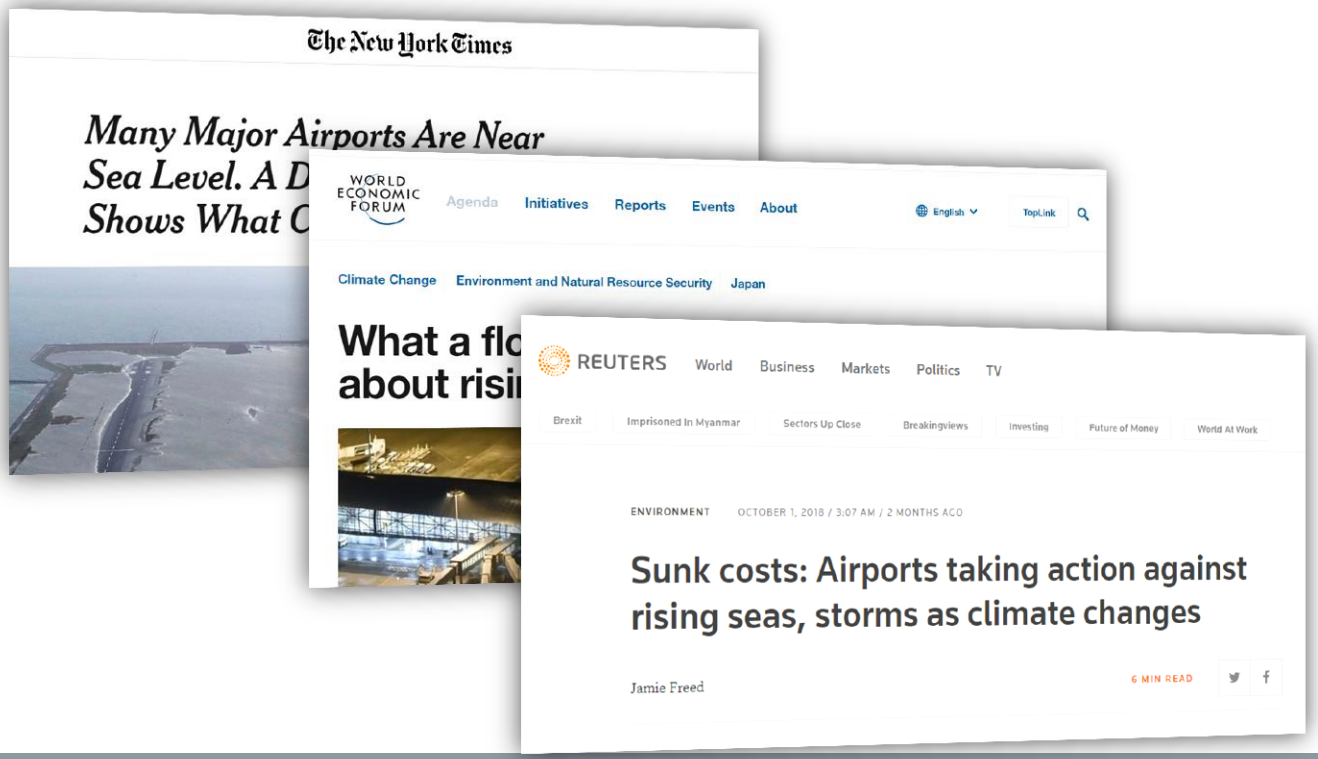
ACI DNA ASSISTANCE PROGRAMME

ACI GLOBAL TRAINING

ACI Airport Excellence APEX Pilots in Environment Improving Airports' Environment Management

Climate Resilience and Adaptation

Airports Affected by Climate Change



ACI Resolution (2018)
Encouraging airports to take action on resilience and adaptation to climate change

ACI encourages member airports to:

- **Consider the impact of climate change in their Master Plans**
- **Conduct risk assessments for operational procedures and existing infrastructure**
- **Develop and take early action in accordance with the assessment, in line with overall business continuity management and emergency planning**

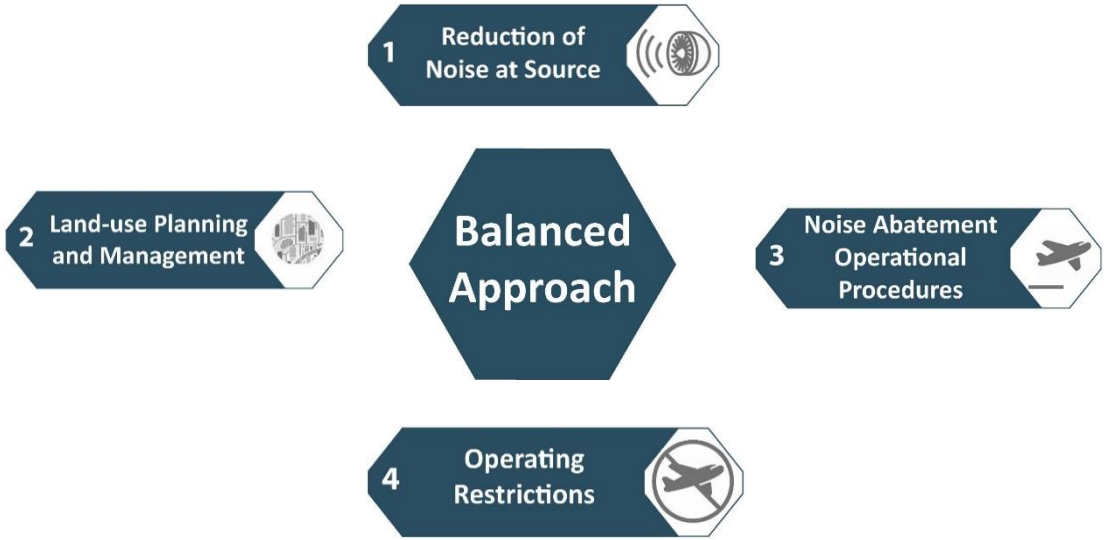
ACI Policy Brief (2018)
"Airports' Resilience and Adaptation to a Changing Climate"

Data Collection

Developing global knowledge on the actual and potential impacts

- Physical damage to airport infrastructure and operations
- Fast recovery and business continuity
- Dealing with demand surge of grounded passengers
- Ripple effect on network of airports
- Identifying regional challenges
- Impacts on insurance premiums and other financial costs

ICAO's Balanced Approach to Noise



Community Engagement

Addressing Illegal Wildlife Trafficking

BEST PRACTICE CASE STUDIES
FROM SELECTED AIRPORTS

Combating Illegal Wildlife Trade

USAID C4ADS IATA TRAFFIC WWF

How Airports Can Take Action to Stop Wildlife Trafficking

Illegal Wildlife Trade is a Global Issue

Wildlife trafficking is one of the world's largest illegal trades. This illicit trade exposes passengers and staff to health and safety hazards and harms corporate reputations throughout industry supply chains. It is pushing many species - both animal and plants - to the brink of extinction.

Wildlife traffickers exploit the increasing connectivity of international aviation - targeting

Future Vision

- ACI recognizes the need to adjust policies to the new scientific evidence on CC
- We'll be revising our policies to incorporate new elements such as Circular Economy and Adaptation
- ACI Europe is developing a sustainability strategy
- Airports are encouraged to conduct risk assessments and develop Adaptation plans
- ACI World is currently working to help airports define Paris-based carbon targets
- We'll be encouraging ATAG and ICAO to set a long-term carbon goal for the whole aviation industry

Conclusions

- Committing to the long-term
- Working in collaboration with all stakeholders
- Evolving together with environment and sustainability trends
- Going beyond environment and beyond the airport
- Supporting combined mitigation and adaptation measures
- Communities and society at the core of environment and sustainability plans
- Promoting Capacity Building
- Leaving no airports behind

ICAO

THANK YOU