Emerging trends in airport environmental management: 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?
Encroachment around airports
Airspace Modernization
Waste Management Circular Economy
Environment Governance
Biodiversity
Resilience
Challenges
Beyond environment and the airport
Community Engagement
Water Management
Sustainable Aviation Fuels
Fast evolving society
Building new infrastructure
Operating Sustainably
How ACI is responding to these challenges?

- Developing policies and expertise through our Environment Committees
- Developing new 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
ACI Airport Excellence APEX
Pilots in Environment
Improving Airports’ Environment Management
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”
Available at ACI website

- 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
Airport Carbon Emissions Reporting Tool - ACERT 5.1

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

Available at ACI website

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

ACERT@aci.aero
Addressing Illegal Wildlife Trafficking

BEST PRACTICE CASE STUDIES
FROM SELECTED AIRPORTS

Combating Illegal
Wildlife Trade

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 endangers countless species and affects biodiversity and habitats.

Illegal wildlife trade involves a complex network of actors, including wildlife poachers, traffickers, and buyers. It threatens ecosystems and biodiversity, and has significant economic, social, and environmental impacts.

To combat wildlife trafficking, airports must adopt comprehensive strategies to detect and prevent the movement of illegal wildlife products. This includes enhancing security measures, improving intelligence sharing, and collaborating with law enforcement agencies.

By taking these steps, airports can play a critical role in addressing the global threat of wildlife trafficking and protecting the world’s biodiversity.
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
- 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
- Communities and society at the core of environment and sustainability plans
- Promoting Capacity Building
- Leaving no airports behind