Airport Carbon Accreditation and ACERT – Airports Response to Climate Change





airport carbon accreditation

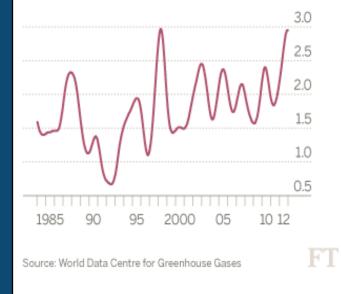
MAPPING I REDUCTION I OPTIMISATION I NEUTRALITY



The Climate Change issue is around us!

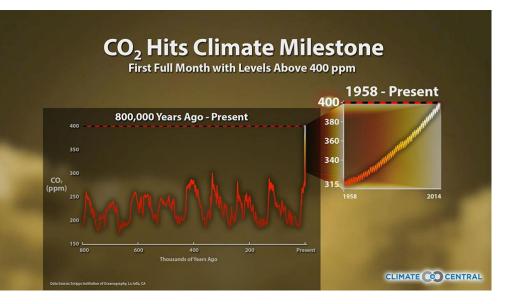
CO₂ growth rate

(parts per million/year)



"safe upper limit for atmospheric concentrations of carbon dioxide is no more than 350 ppm"

"CO2 concentrations rose 2.9 parts per million (ppm) between 2012 and 2013, the biggest annual increase since 1984."





Airports Response to Climate Change

• ACI Guidance for GHG emission Management

 ACERT is an inventory tool to calculate Carbon and Greenhouse Gas for airports

 Airport Carbon Accreditation is a programme to assess and recognize airports' effort in Carbon and Greenhouse gas initiatives





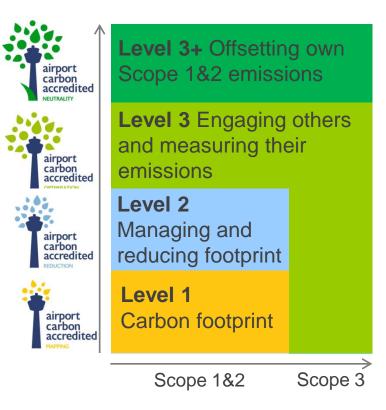




Guidance Manual: Airport Greenhouse Gas Emissions Management

Airport Carbon Accreditation - Summary

- Voluntary programme
- Specifically for airport business
- Airport operational activities
- Best practice carbon management
- Gain public recognition
- 4 ascending levels of performance





1. Raises sustainability profile & external credibility







Benefits continued...

1. Raises profile and credibility

- Recognised by key aviation and environmental institutional bodies
- It is formally endorsed by:

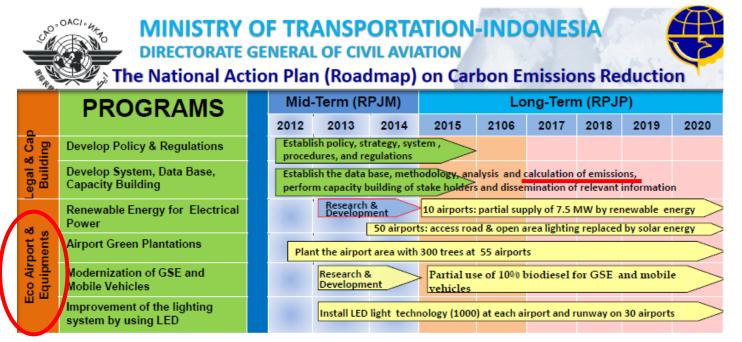


And is formally supported by:





- 1. Raises sustainability profile & external credibility
- 2. Reduces exposure to climate change regulatory risks







Benefits continued... **2. Exposure to regulatory risk (GHG)**

In Asia-Pacific



United Nations Framework Convention on Climate Change

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Target	Base Year
5% or 15-25% by 2020; 80% by 2050	2000
Not exceed sequestration capacity	Business as usual
40-45% by 2020	2005
20-25% per GDP unit by 2020	2005
26% by 2020	Business as usual
20% by 2020	Business as usual
25% by 2020	1990
15% by 2020	1992
30% by 2020	Business as usual
Carbon neutrality as a country by 2020	NA
40% by 2020	2009
10%-20% by 2020	1990
50% by 2030	NA
16% by 2020	Business as usual
Twice by 2020; 2.5 times by 2030 per GDP unit	2006
40% by 2020	2005
2% up each year until 2020	2005
8-10%	2010
26% by 2015, 49% by 2020	Business as usual
	5% or 15-25% by 2020; 80% by 2050 Not exceed sequestration capacity 40-45% by 2020 20-25% per GDP unit by 2020 26% by 2020 20% by 2020 25% by 2020 15% by 2020 Carbon neutrality as a country by 2020 Carbon neutrality as a country by 2020 Carbon neutrality as a country by 2020 10%-20% by 2020 Carbon neutrality as a country by 2020 Twice by 2020; 2.5 times by 2030 per GDP unit 40% by 2020 Twice by 2020; 2.5 times by 2030 per GDP unit 40% by 2020





Greenhouse Gas Emission Reduction Targets

(Source: UNFCCC & ICAO)

- 1. Raises sustainability profile & external credibility
- 2. Reduces exposure to climate change regulatory risks
- 3. Helps optimise airport capacity







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4. Encourages & facilitates knowledge transfer









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5. Improves the bottom line

Bournemouth Airport switches to LED lighting to save 72% on costs

airport carbon accreditation









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Airports achieved Airport Carbon Accreditation



- Currently 126 accredited airports globally, of which,
- 26 from Asia-Pacific





The conference is invited to:

 Note the importance of Airport Carbon Accreditation and ACERT; and

 Encourage their aerodrome operators to adopt ACERT and participate in *Airport Carbon Accreditation*.

 Include Airport Carbon Accreditation into their State Action Plans.





Thank You

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