



ICAO MID

الهيئة العامة للطيران المدني
Civil Aviation Authority
دولة قطر • State of Qatar



الاجتماع الثامن للمدراء العامين للطيران المدني في منطقة الشرق الأوسط (DGCA-MID/8)

Eighth Meeting of the Directors General of Civil Aviation-Middle East Region (DGCA-MID/8)



ICAO MID



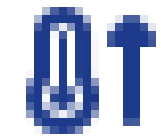
ACI APAC & MID Programmes and Tools Supporting Airport Climate Action

Presented by
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Airports Council International





The Climate Imperative



Physical Constraints

Airports in the region face escalating operational disruptions from extreme heat, shifting rainfall patterns, and severe storm events impacting critical infrastructure.



Regulatory Alignment

ICAO Assembly Resolutions and UNFCCC COP28 set out climate action plans



Decarbonisation Gap

While momentum exists, a significant proportion of airports lack the technical capacity to establish verifiable baselines or long-term reduction roadmaps.

2050

ABSOLUTE NET ZERO EMISSION
TARGET

2030

CLIMATE RISK ASSESSMENT
TARGET

Hong Kong's airlines evacuate planes as they wait out Typhoon Ragasa

By Lisa Barrington

September 24, 2025 9:08 PM GMT+8 • Updated September 24, 2025

Time	Flight	Aisle	Destination	Gate	Status	Time
18:30	AK 137	L	Kuala Lumpur		Cancelled	19:30
18:30	HB 704		Taipei		Cancelled	19:40
18:35	CX 6144	J	Hangzhou		Cancelled	19:40
18:40	CZ 1501		Chengdu Tianfu		Cancelled	
18:40	UO 116	H	Taipei		Cancelled	19:45
18:45	CX 6261	D	Ho Chi Minh		Cancelled	20:00
18:50	FM 810	J	Shanghai/SHA		Cancelled	20:00
18:50	BR 2892	K	Taipei		Cancelled	20:00
18:50	CX 5528	H	Nha Trang		Cancelled	20:00
18:55	UA 802	G	Los Angeles		Cancelled	20:00
19:00	CA 6514	A	Beijing/PEK		Cancelled	20:00
19:00	AZ 5631	G	Dubai		Cancelled	20:00
19:05	CX 797	B	Jakarta		Cancelled	20:00

A report on board a flight from Hong Kong to London, as Super Typhoon Ragasa drops threat, in Hong Kong, China, September 23, 2025. (AP Photo/Stanford Ng)

(Source: [Reuters](#))

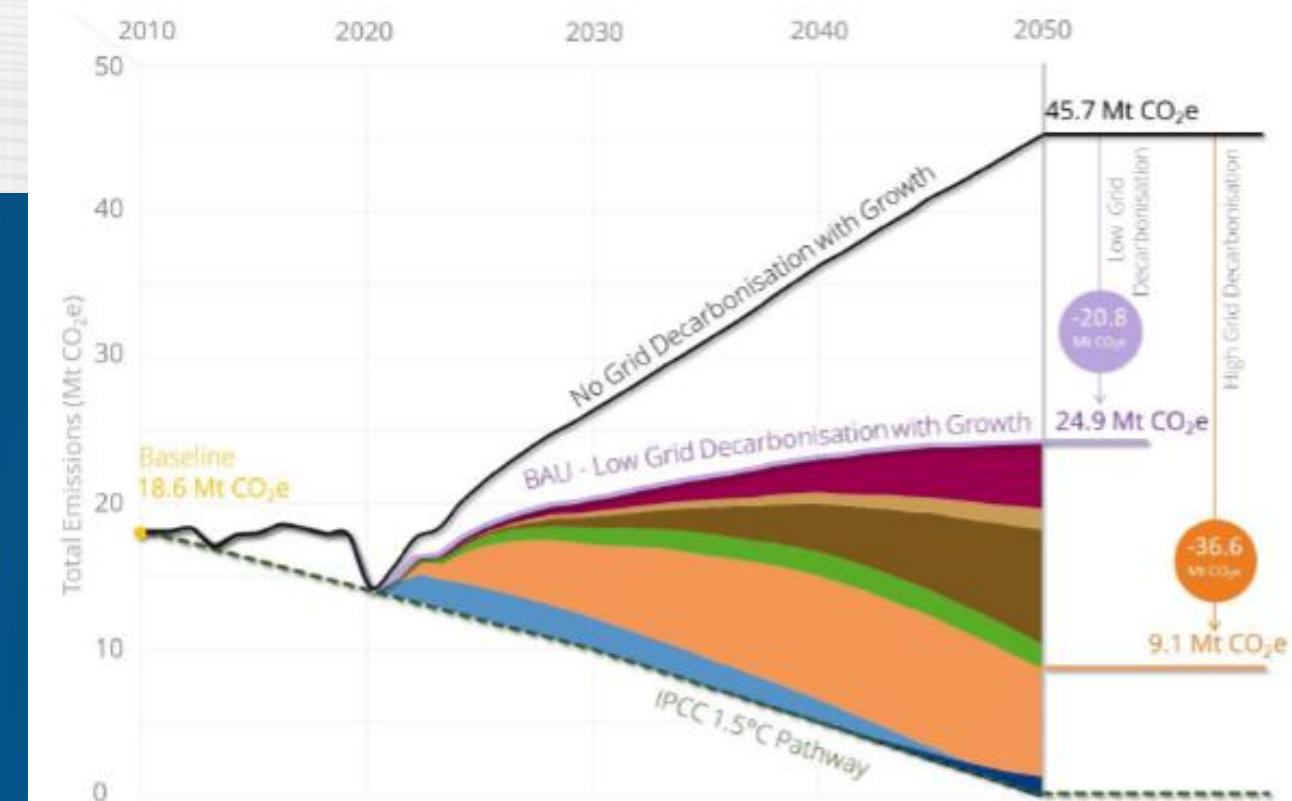
In Germany, a Ryanair plane made an emergency landing due to turbulence, nine injured - media

Kyiv • UNN • June 5, 2025, 03:55 PM • 2686 views

A Ryanair plane en route from Berlin to Milan made an emergency landing in Memmingen due to a thunderstorm. Nine passengers were injured, some were hospitalized.



(Source: [UNN](#))



DECARBONISATION MEASURES

- On-site thermal decarbonisation
- Vehicle fleet decarbonisation
- Energy efficiency measures
- On-site renewables
- Renewable energy purchases
- Offsets
- Negative emissions technologies



ACI APAC & MID Programmes and Tools Supporting Airport Climate Action-Executive Overview

RESILIENCE



Climate Risk Toolkit

Safeguards physical assets and ensures business continuity against escalating severe weather events.

ENTRY POINT



Airport Carbon Accreditation (ACA)

ACA Incentive Programme provides the crucial initial mechanism for capacity building and verifiable carbon baselining at emerging airports.

LONG-TERM



Net Zero Roadmaps

Delivers the strategic CAPEX planning required to transition from carbon management to absolute zero emissions.

ACI APAC & MID Climate Adaptation Tools

A unified methodology developed specifically for APAC & MID airports to determine climate risk maturity, climate risks and adaptation measures.

■ 1. Assessment Guideline

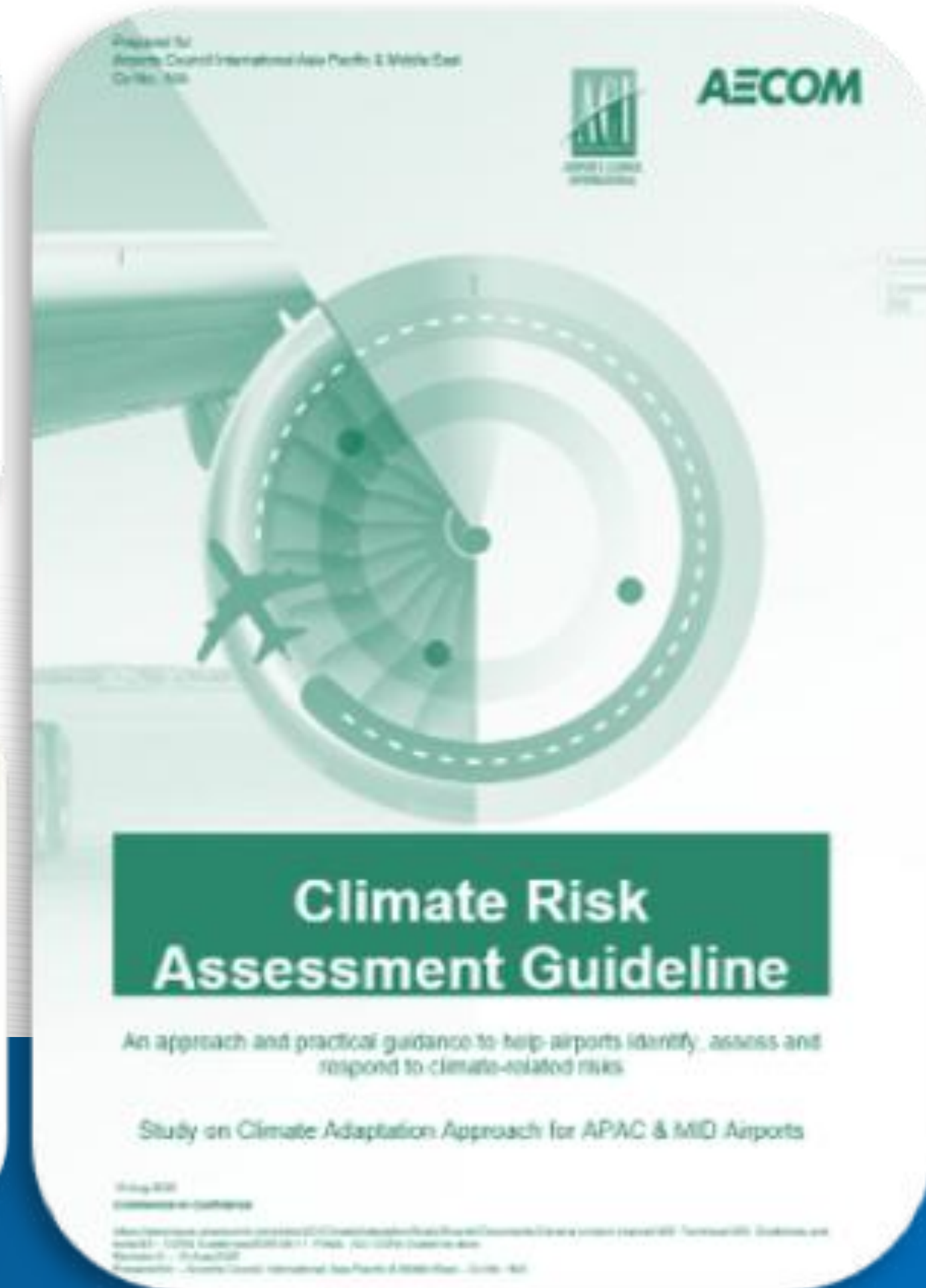
Standardized protocol for identifying hazards and evaluating impacts on critical infrastructure.

■ 2. Maturity Check Tool

Excel based tool evaluating organizational readiness across governance, data management, and operational processes.

■ 3. Risk Assessment Tool

Excel based tool for assigning risk ratings and establishing mitigation priorities.





Examples of Findings (Pilot Phase)

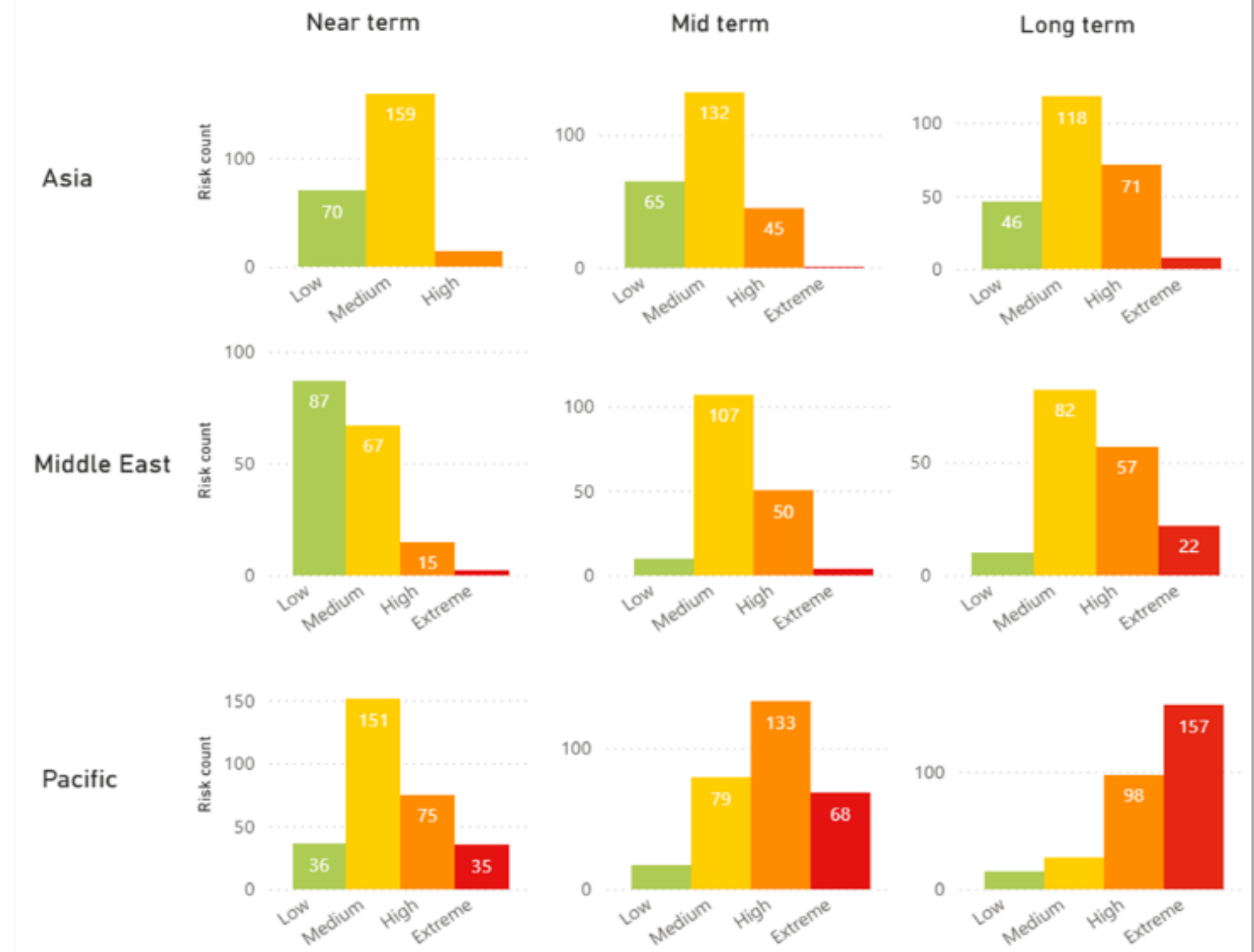
Average Maturity Score across Domains

Region ● Asia ● Pacific ● Middle East



Across all three regions, many domains need improvement especially “Risk and Adaptation Monitoring”

Spread of risk ratings across each of the three regions



Across all three regions, a **consistent shift toward more severe risks** over **longer time** horizons. Airports in the **Pacific region** have identified a **greater proportion of high and extreme risks** across all time horizons.



ACA Incentive Programme & Net Zero Roadmap Programme



ACA Incentive Programme

-  Removes financial barriers by fully sponsoring the initial ACA cycle.
-  Provides expert consulting for carbon baselines and third-party verification.
-  Designed specifically for small airports in developing economies.
-  Creates national decarbonisation examples to encourage wider State participation.

Net Zero Roadmap Programme

Structured advisory service providing CAPEX-aligned pathways to achieve absolute zero carbon emissions by 2050.

- 01 Carbon footprint & baseline**
- 02 Analysis, measures to reduce CO2**
- 03 CAPEX & Implementation planning**
- 04 ACA Integration**

Pilot Phase Validation (2024-2025): Riyadh (RUH), Bahrain (BAH), Cebu (CEB)



ACTION BY THE CONFERENCE

The 8th meeting of Directors General of Civil Aviation- Middle East Region is respectfully invited to:

Note

The tools and programmes developed by ACI APAC & MID to support airport climate resilience and decarbonisation, including the Climate Risk maturity check tool, Climate Risk assessment guideline and Tool, Regional Climate Dashboard, Net Zero Roadmap Programme and ACA Incentive Programme.

Urge

Recommend States to encourage airports to participate in the ACI APAC & MID Net Zero Roadmap and complimentary Climate Maturity Check Tool and Climate Risk Assessment Tool to strengthen aviation preparedness and long-term resilience.

THE VOICE OF ASIA-PACIFIC AND MIDDLE EAST AIRPORTS



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Thank You