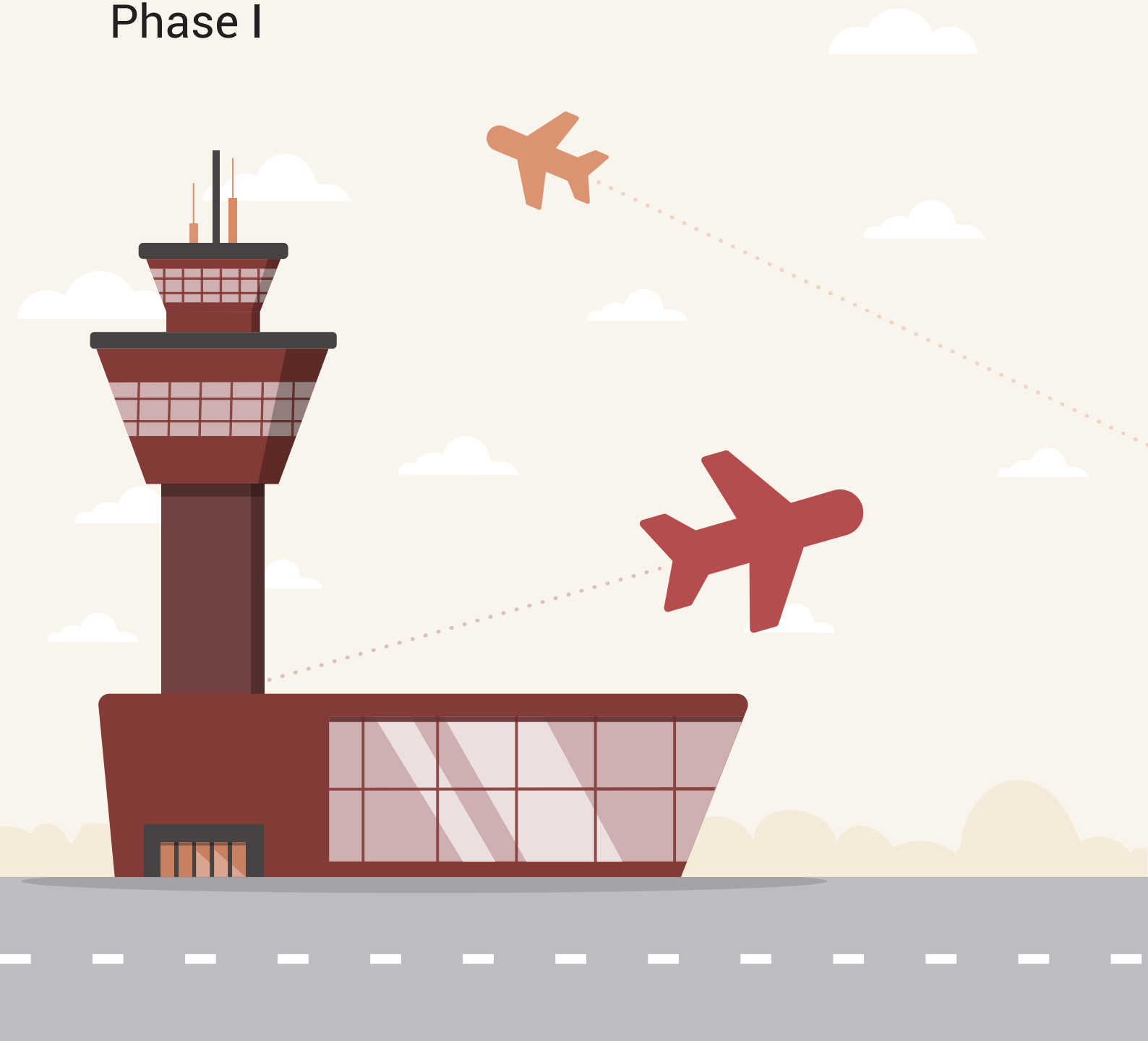


Regional Insights from Global Study on Disaster Resilience of Airports

Phase I







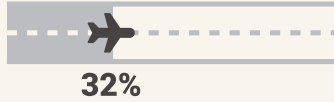




Africa



Combined Score
Severity of Impact

Historic	Future
0.8	1

Severity of Impact of Hazards in Airports

Top Hazards	Score	Airports Resuming Operations in less than 2 hours	Airports Recovering Operations in less than 24 hours
 Flooding	Future 1.4 Historic 0.3 Difference 1.1	 0%	 50%
 Geological Hazard	Future 1.3 Historic 0.6 Difference 0.7	 32%	 50%
 Third-Party Equipment/System Failure	Future 1.4 Historic 1 Difference 0.4	 50%	 75%

Vulnerability Assessment Practices

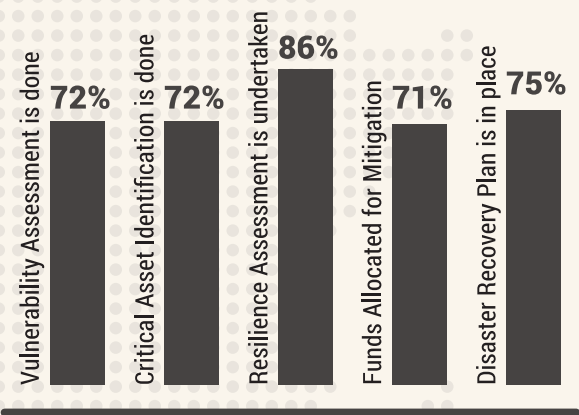


Rank & Practice

- 1 Civil structure/installations (eg: terminal building equipment safety)
- 2 Personnel and passenger infrastructure
- 3 Emergency service operations
- 3 Reliability of operations (eg.closure, flight delays, recovery time)
- 3 Reliability of utility services (eg.water, electricity, sewage)

Source : Figure - 34 Overview of Vulnerability Assessment Practices, page 58

Risk Assessment & Mitigation



Source : Figure - 33 Comparison of risk and resilience practices by region. Page 57
 Source : Figure - 36 Overview of Airport Emergency Response Planning and Disaster Recovery Planning practices, page 60

Key Takeaway

The Global standards set for airports has ensured resumption of operations in African airports in line with the counterparts worldwide. However, there is notable trend on duration on recovery time. The driving priorities for resilience practices in Africa is focused on User safety followed by decisions of the Executive Board/ Management and focus is comparatively less to insurance of assets.










Asia-Pacific



Combined Score
Severity of Impact

Historic **0.7** | Future **0.9**

Severity of Impact of Hazards in Airports

Top Hazards	Score	Airports Resuming Operations in less than 2 hours	Airports Recovering Operations in less than 24 hours
 Flooding	Future 1.3 Historic 0.8 Difference 0.5	 70%	 90%
 Extreme Heat	Future 0.9 Historic 0.5 Difference 0.4	 80%	 90%
 Third-Party Equipment/System Failure	Future 1.4 Historic 1.1 Difference 0.3	 70%	 90%

Vulnerability Assessment Practices

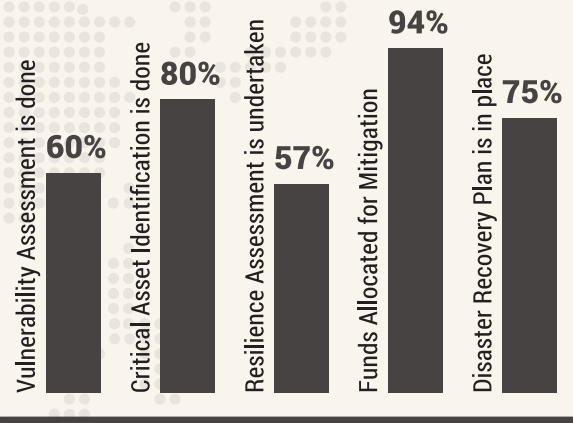


Rank & Practice

- 1 Personnel and passenger infrastructure
- 2 Reliability of operations (eg. closure, flight delays, recovery time)
- 3 Civil structure/installations (eg: terminal building equipment safety)
- 3 Emergency service operations
- 5 Reliability of utility services (eg. water, electricity, sewage)

Source : Figure - 34 Overview of Vulnerability Assessment Practices, page 58

Risk Assessment & Mitigation



Source : Figure - 33 Comparison of risk and resilience practices by region. Page 57
 Source : Figure - 36 Overview of Airport Emergency Response Planning and Disaster Recovery Planning practices, page 60

Key Takeaway

Airports in the region are embracing collaboration across stakeholders for improved Emergency Response Plans and coordinated Disaster Management Plans. Their Business Continuity Plans also reflect context of disaster impacts.



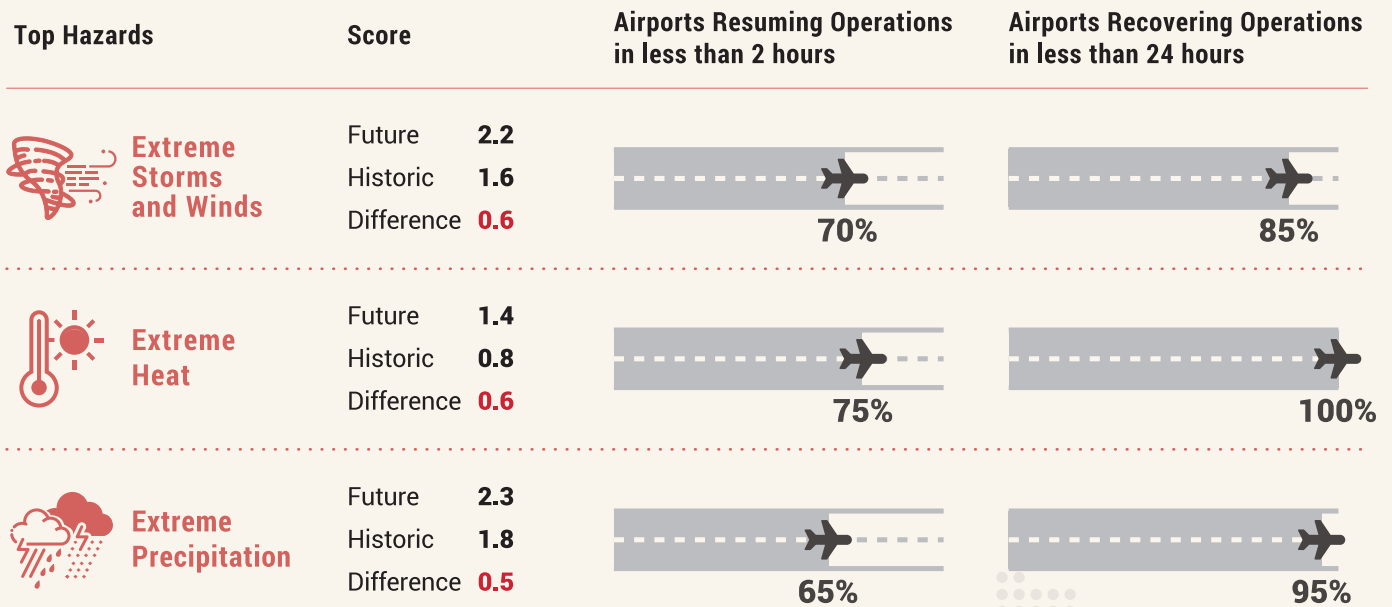
Europe



Combined Score
Severity of Impact

Historic	Future
1	1.4

Severity of Impact of Hazards in Airports



Vulnerability Assessment Practices

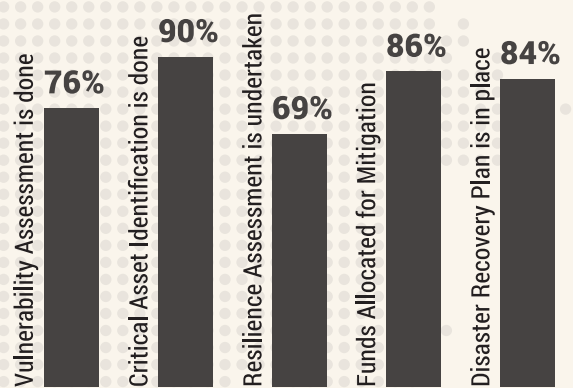


Rank & Practice

- 1 Personnel and passenger infrastructure
- 2 Civil structure/installations (eg: terminal building equipment safety)
- 3 Reliability of operations (eg.closure, flight delays, recovery time)
- 4 Reliability of utility services (eg.water, electricity, sewage)
- 5 Emergency service operations

Source : Figure - 34 Overview of Vulnerability Assessment Practices, page 58

Risk Assessment & Mitigation



Source : Figure - 33 Comparison of risk and resilience practices by region. Page 57
 Source : Figure - 36 Overview of Airport Emergency Response Planning and Disaster Recovery Planning practices, page 60

Key Takeaway

Risk Assessment is the priority resilience driver and ensures shorter resume and recovery time in the region. Notable effort is that several airports are being proactive in inclusion of resilience into master plans and insurance of assets.

Latin America



Combined Score
Severity of Impact

Historic **1** | Future **0.9**

Severity of Impact of Hazards in Airports



Vulnerability Assessment Practices

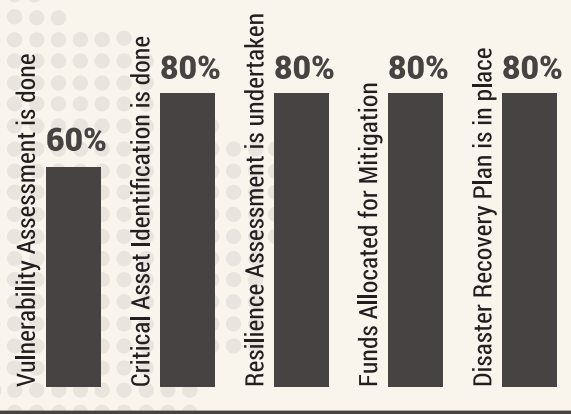


Rank & Practice

- 1** Reliability of utility services (eg. water, electricity, sewage)
- 2** Civil structure/installations (eg: terminal building equipment safety)
- 3** Reliability of operations (eg. closure, flight delays, recovery time)
- 3** Emergency service operations
- 5** Financial impact

Source : Figure - 34 Overview of Vulnerability Assessment Practices, page 58

Risk Assessment & Mitigation



Source : Figure - 33 Comparison of risk and resilience practices by region. Page 57
 Source : Figure - 36 Overview of Airport Emergency Response Planning and Disaster Recovery Planning practices, page 60

Key Takeaway

The region showcases swift resumption capacity or continue operations during several hazards, complemented by strong Emergency Response Plans. Priority to government policies, risk assessment and executive leadership thoughts provides crucial direction to towards resilience.

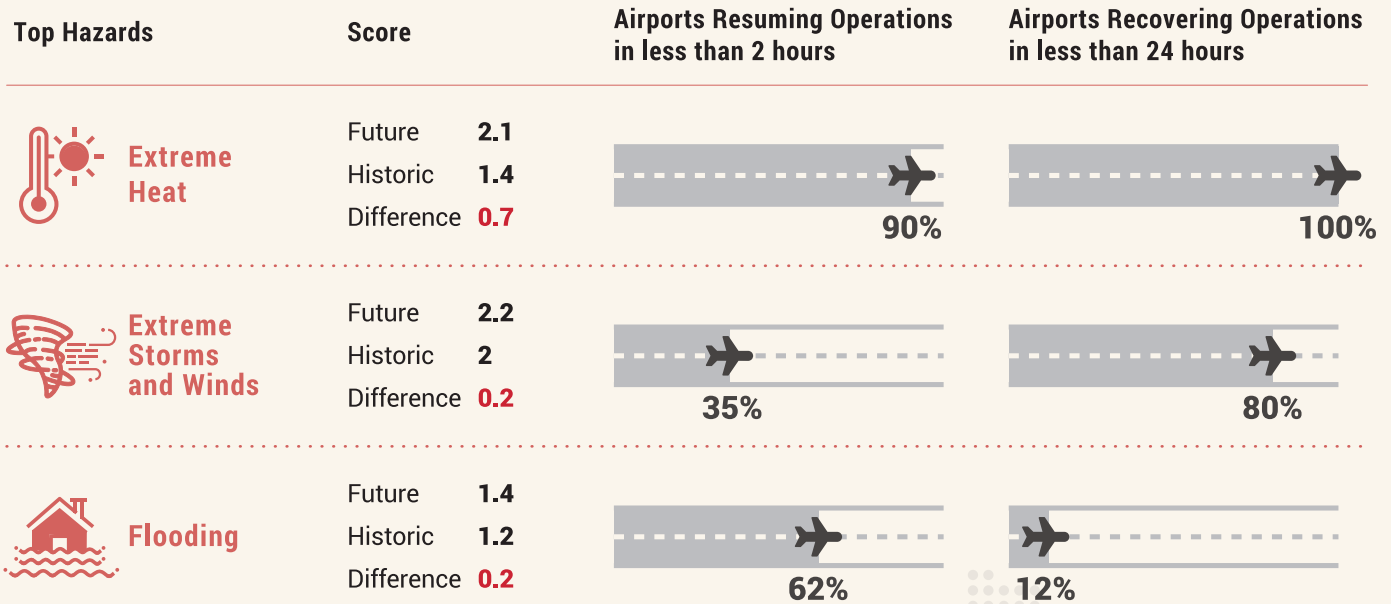
North America



Combined Score
Severity of Impact

Historic	Future
1.4	1.4

Severity of Impact of Hazards in Airports



Vulnerability Assessment Practices

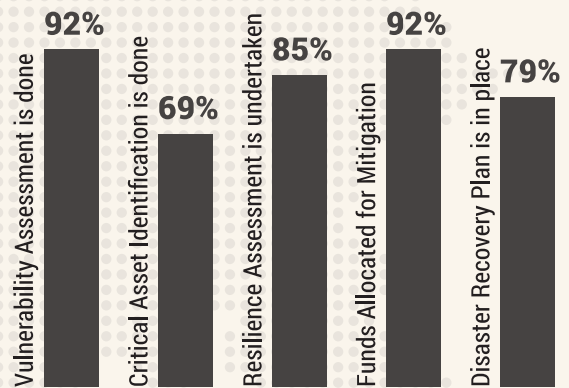


Rank & Practice

- 1 Personnel and passenger infrastructure
- 2 Emergency service operations
- 3 Civil structure/installations (eg: terminal building equipment safety)
- 4 Reliability of operations (eg: closure, flight delays, recovery time)
- 5 Reliability of utility services (eg: water, electricity, sewage)

Source : Figure - 34 Overview of Vulnerability Assessment Practices, page 58

Risk Assessment & Mitigation



Source : Figure - 33 Comparison of risk and resilience practices by region. Page 57
 Source : Figure - 36 Overview of Airport Emergency Response Planning and Disaster Recovery Planning practices, page 60

Key Takeaway

With future projections signalling heightened concern on severity of hazards, the region excels in disaster impact reflections within Business Continuity Plans, Disaster Recovery Plans and substantial fund allocation towards risk mitigation.