

Managing the Risks The Need for a Collaborative Approach

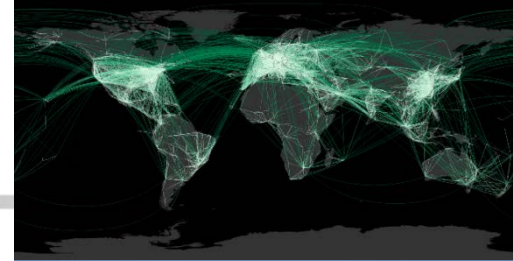
**Martin Eran-Tasker
Technical Director
Association of Asia Pacific Airlines**



**ASIA/PACIFIC Regional Runway Safety Seminar
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Aviation: moving the world

- Air travel delivers global mobility
- 3 billion passengers
 - 8 million per day
- Carries 35% by value of global trade
- Wider social and economic benefits
- Outstanding safety record
- Committed to sustainable growth



Source: ATAG

Overview

- **AAPA Global mobility**
- **Asia Pacific Aviation**
- **Business conditions**
- **Growing demand**
- **Info share**
- **Closing thoughts**

AAPA Association of Asia Pacific Airlines



- Regional trade association
- Members include major international airlines based in Asia Pacific
- Open to all scheduled international airlines based in Asia Pacific region
- Committed to promoting sustainable growth of the aviation industry serving both passenger and freight needs
- Permanent secretariat headquartered in Kuala Lumpur, Malaysia
- Representation in Washington and Brussels
- Flight Operations Safety WG
- Cabin Safety WG

*Aims to support the interests of all
Asia-Pacific airlines*

Asia Pacific



- Diverse geographic region
- Home to more than 4 billion people
- 62% of the world's population
- Generates 30% of global GDP
- Wide range of income levels
- Dynamic economies delivering global growth
- Aviation widely recognised as a key contributor to economic and social development
- Political diversity remains challenging: need for multilateral cooperation

Asia Pacific Aviation



US\$175 billion revenue
US\$5.2 billion net profit
705 million passengers
493 million domestic
212 million international
16 million tonnes of cargo
> 5000 aircraft

Asia Pacific carriers overall market share:

25% of global passenger traffic

40% of global cargo traffic

Data: Financials & Traffic: 2012 Estimates

Source: Combined AAPA + non-AAPA airlines GMT+7 to GMT+12

An aerial photograph of a vast expanse of white clouds, illuminated from below by a low sun, creating a warm, golden glow. The sky transitions from a pale yellow near the horizon to a deep blue at the top.

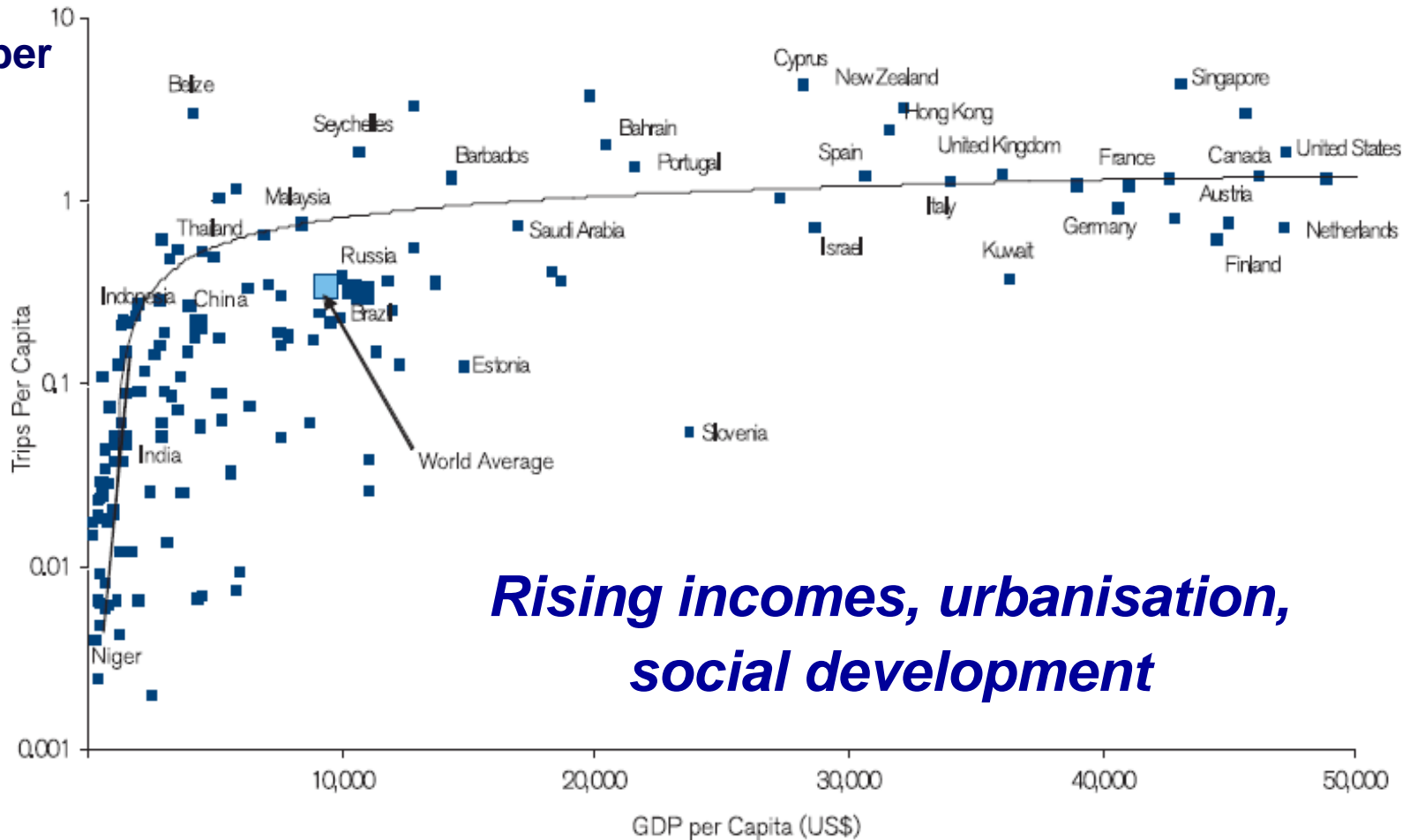
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ASSOCIATION OF ASIA PACIFIC AIRLINES

Growing demand

Aspirational Demand for Air Travel

Trips per capita

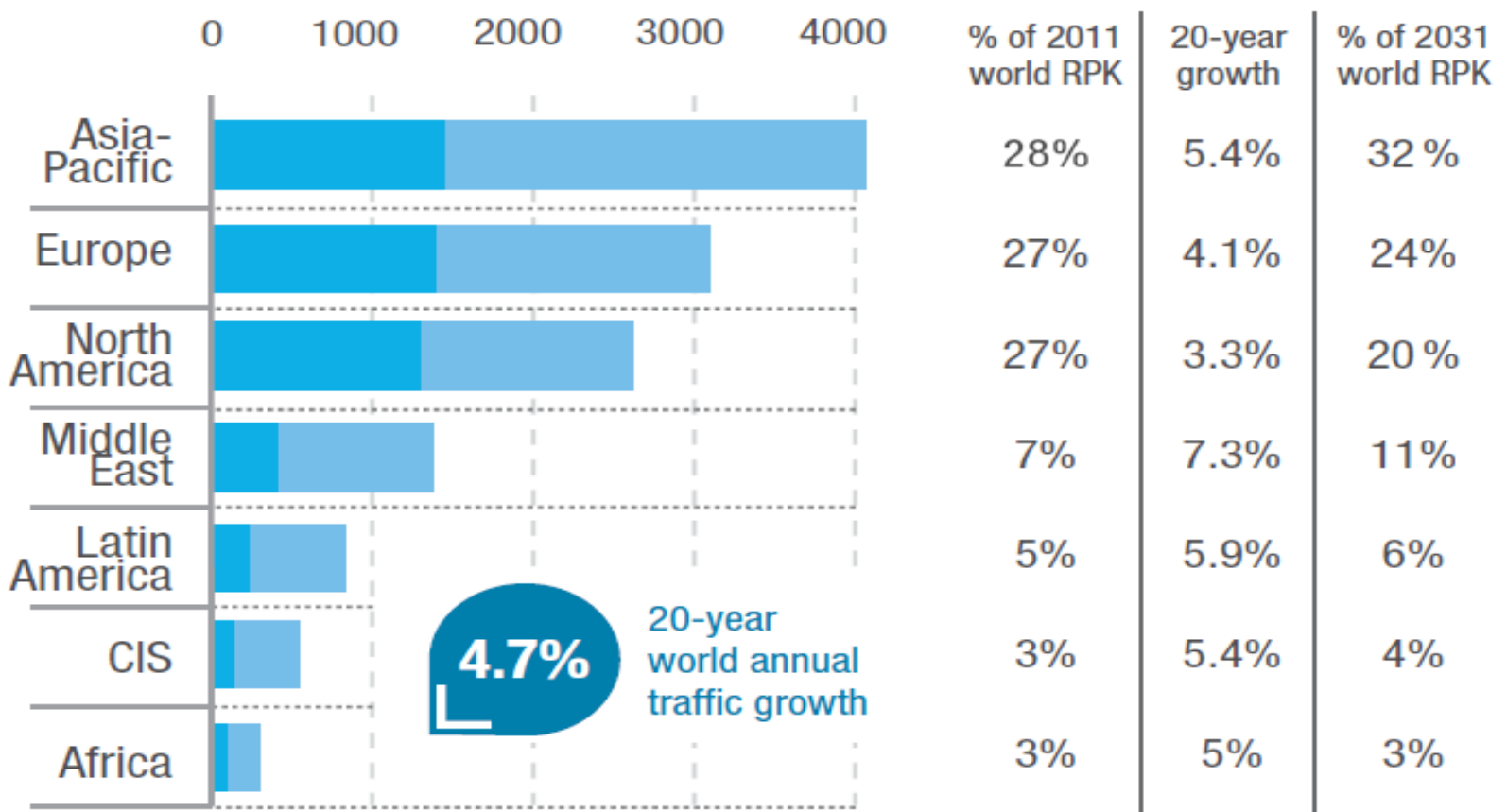


*Rising incomes, urbanisation,
social development*

GDP per capita US\$

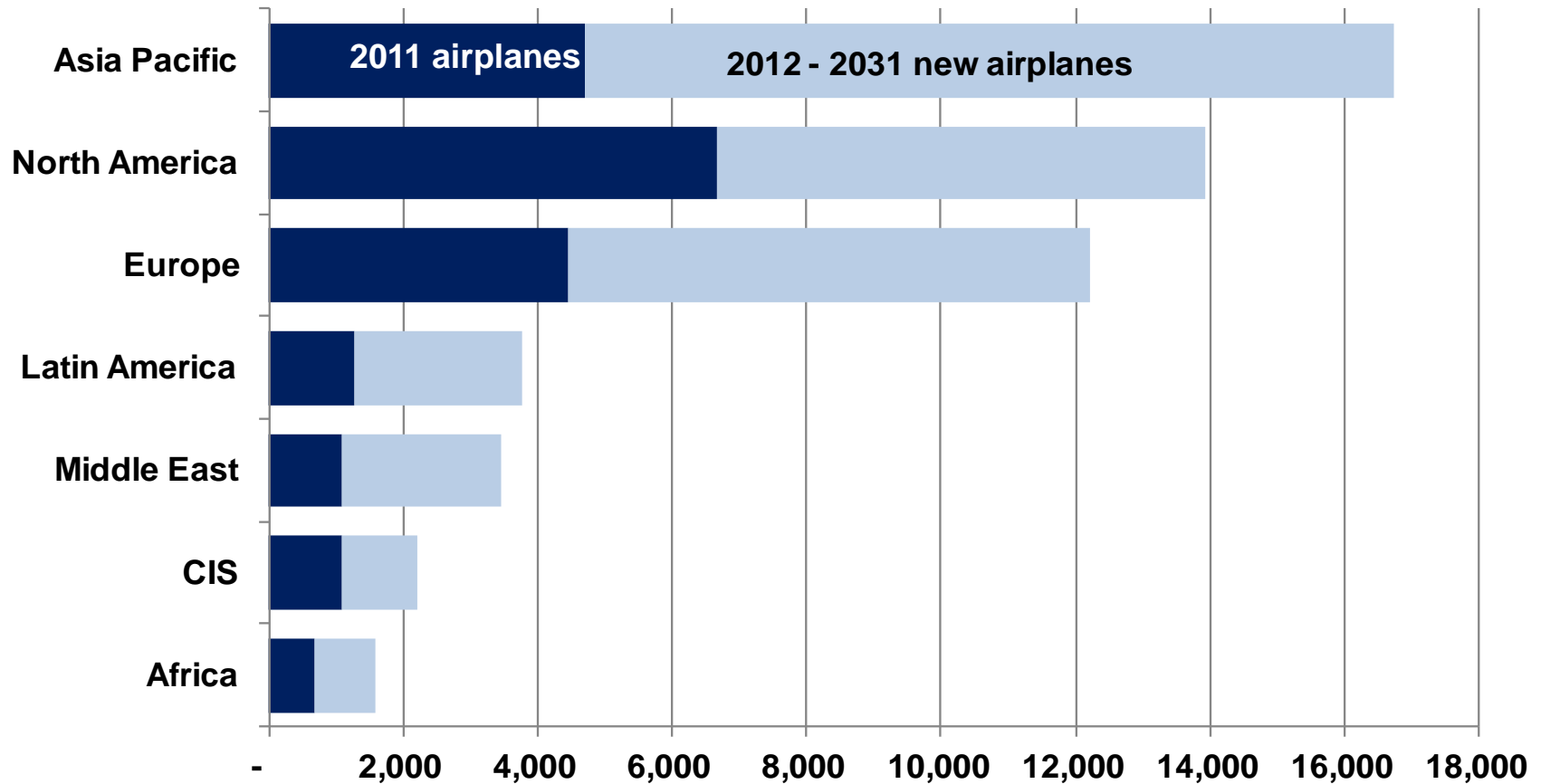
Asia Pacific traffic will grow significantly

World Traffic by airline domicile (RPK billions)



Source: Airbus
GMF2012-2031

Asia Pacific fleet expansion



Source: Boeing
CMO 2012 - 2031

Management of Risk

Challenge

- We strive for zero accidents
- Human involvement in systems will not protect us from hazards and errors
- For safer systems we must manage and mitigate the potential hazards and risks resulting in safety risk management
- In the case of runway safety multiple stakeholders involved
- Trying to solve problems alone can only perpetuate a higher residual risk
- Need for a collaborative approach

Why we need a collaborative approach

- Issues complex with multiple contributing factors
- Hazards impact multiple stakeholders
- Data key therefore collaborative efforts should enable the sharing of data for comprehensive analysis allowing a more coordinated approach to address identified problems
- Allows a better use of available resources
- Assists in determining the roles and responsibilities of all involved stakeholders

Why a Runway Safety Team (RST)?

- Trying to solve problems alone will only perpetuate a higher residual risk
- Broadening stakeholder involvement can only achieve a more effective risk reduction due to different perspectives resulting comprehensive multidisciplinary solutions
- Runway safety team develop local solutions for identified local problems
- AAPA has long used this approach, we believe in bringing people together to collaborate brings the best results
- This is the basis and approach of the AAPA FOSWG and APASS

Involved stakeholders

- Airport Authority
- Air Traffic Control
- Airline Operators
- Business Operators
- General Aviation (if applicable)
- Military Operators (if applicable)
- National Airworthiness Authority
- Ground Service Providers
- Pilots

Regional and Local Partnership



Closing Thoughts

- Aviation has an outstanding safety record
- Runway safety teams are based on a collaborative approach involving all stakeholders
- Runway safety team provide local solutions for local issues and concerns
- Effective safety management is “data driven” and runway safety will require shared comprehensive data





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www.aapairlines.org

Association of Asia Pacific Airlines
Unit 27-1, Level 27, Menara Prestige
1 Jalan Pinang
50450 Kuala Lumpur
MALAYSIA

Tel: +60 3 2162 1888

Fax: +60 3 2162 6888