

Key Challenges for the Transport Sector in Asia

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Asian Development Bank

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The Problem?

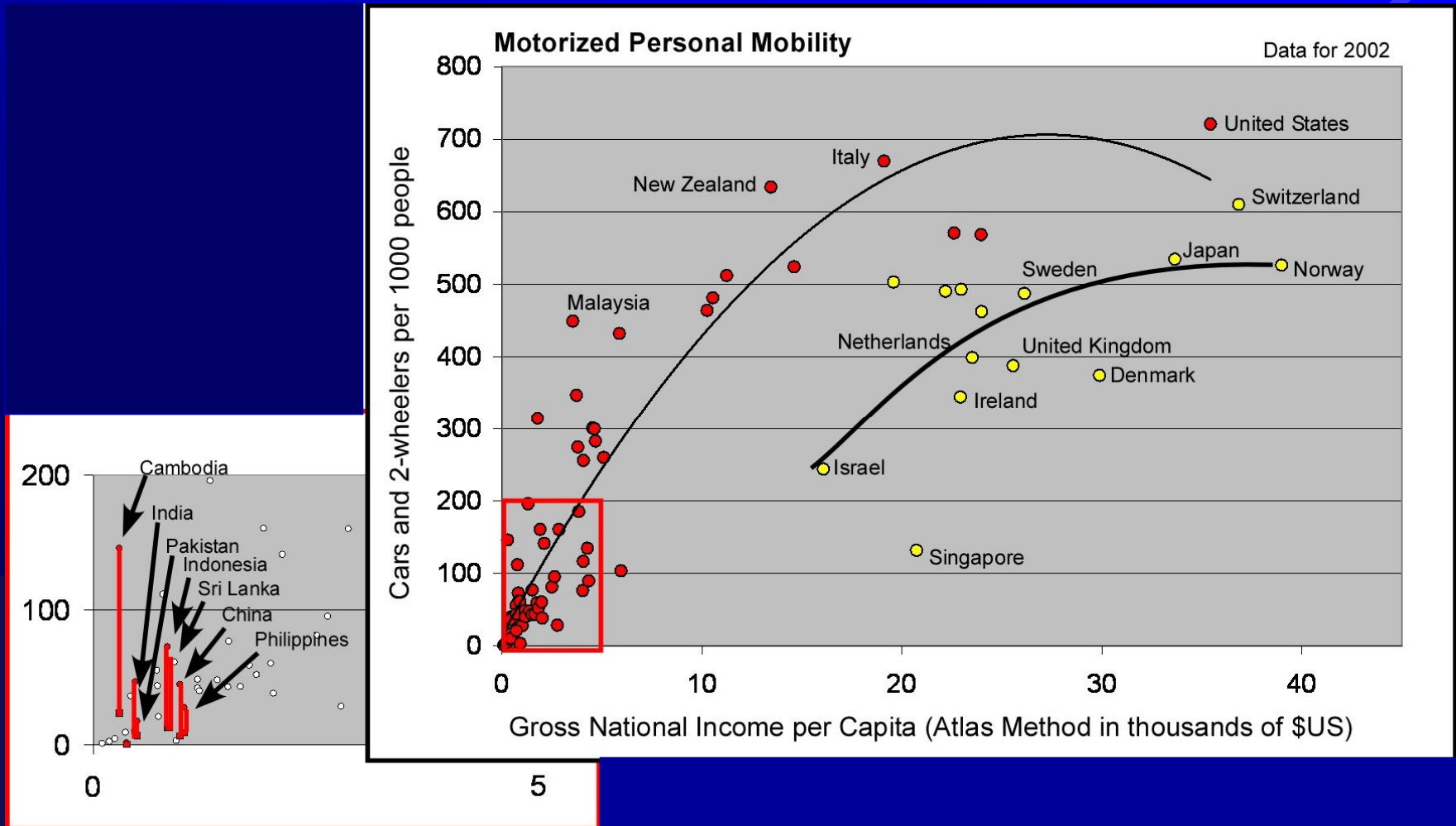
- Congestion, pollution, accidents, energy consumption, GHGs - *increasing*
- Cities sprawling – the 'haves' seeking to escape to a better life, the 'have nots' trapped
- An apparently *inevitable spiral of decline in transport services* – even as incomes increase for many
- Increasing frustration – policy makers turn to 'instant solutions' - that usually fail

Asia is facing a crisis in transport ...

Congestion costs 2-5% of Asian GDP



Motorization Increases



Accidents

Road accidents cost 2-3% of Asian GDP

Country	\$ Million	% of Annual Gross Domestic Product
Brunei Darussalam	65	1.00
Cambodia	116	3.21
Indonesia	6,032	2.91
Lao, PDR	47	2.70
Malaysia	2,400	2.40
Myanmar	200	3.00
Philippines	1,900	2.60
Singapore	457	0.50
Thailand	3,000	2.10
Viet Nam	885	2.45
Total ASEAN	15,102	2.23

Source: ASEAN Regional Road Safety Strategy and Action Plan
2005-2010

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Energy Use and Fuel Security

Increasing energy use ~ 30% of world energy

- China: 6 - 9% per year
- India: 5 - 8 % per year

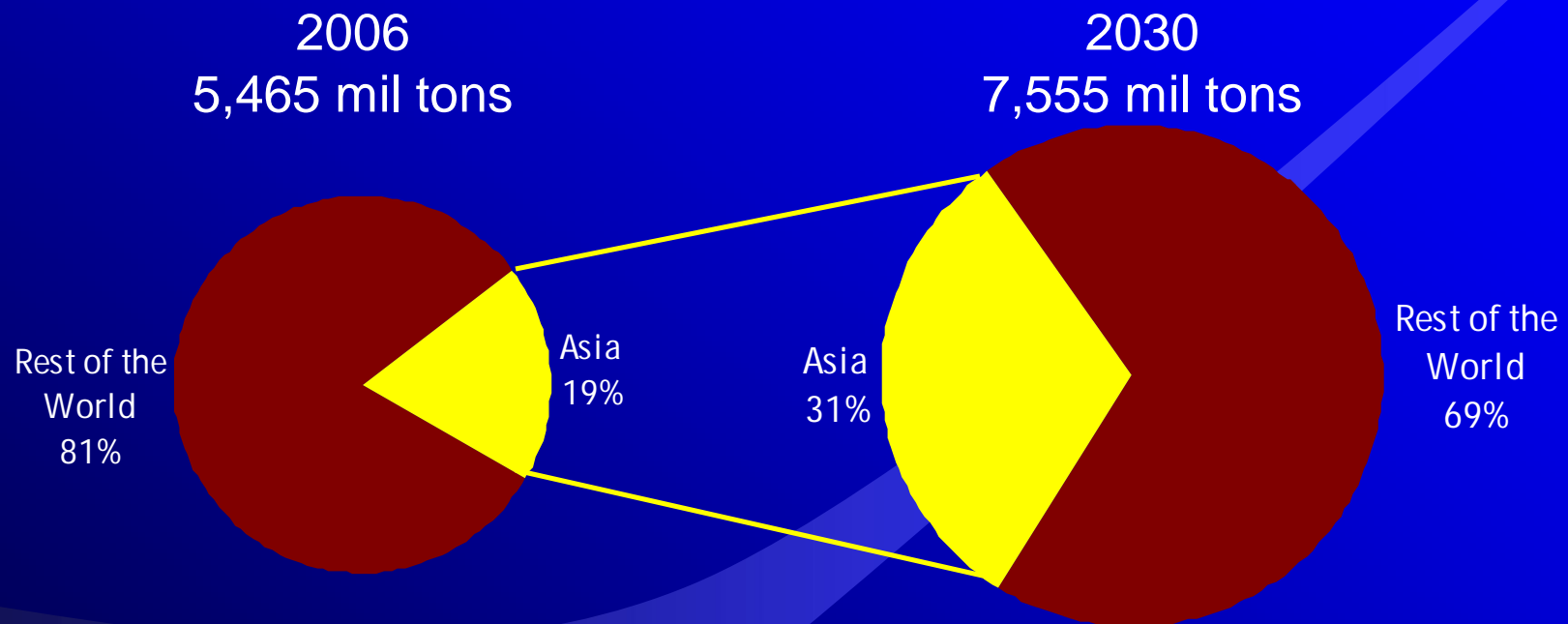
Emerging Asia will demand 45% of the total world increase in fuel use



Transport and Climate Change

CO₂ emissions ~ 54% increase in Asia

38% increase worldwide



Source: IEA, World Energy Outlook 2008

Note: Total emissions excludes international marine bunkers and international aviation

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Air Pollution

Local pollution - respiratory health cost



The Challenge

How do we create



safe



user - friendly



efficient



affordable



green



Transport Systems

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“Transport will remain a major part of ADB's infrastructure operations. But the emphasis of our transport investments will need to change if we are to assist with the shift to low-carbon sustainable growth across Asia and the Pacific. ADB is already in transition”

Haruhiko Kuroda
President, Asian Development Bank
Transport and Climate Change Seminar, Copenhagen
13 December 2009

Thank You

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The ADB logo consists of the letters "ADB" in a white, serif font, centered within a dark blue square background.