

Sustainable Inclusive Transport and ADB



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ADB Business Opportunities Fair 2012

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ADB

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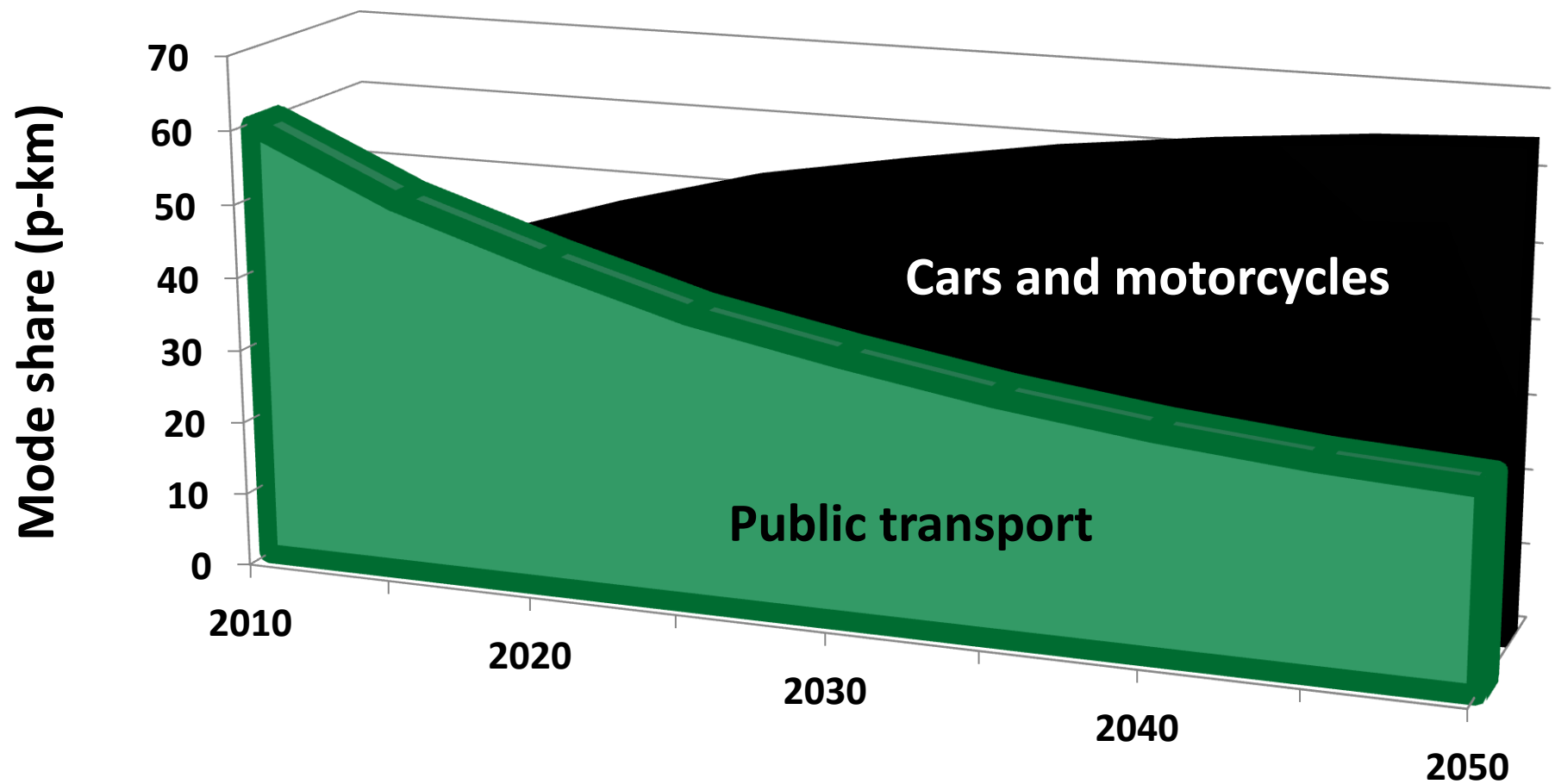
Transport in the Asia and Pacific region

“Transport is the one sector in which conditions actually worsen as incomes increase.”

- *Enrique Peñalosa*



Business-as-usual projections to 2050



Source: ADB and IEA, 2011

Air quality and transport

According to the World Health Organization, local air pollution contribute to the premature death of more than 500,000 people each year and reduces national GDP in Asia by 2-4%.



Congestion

Road congestion diminishes regional GDP by 2-5% each year in Asia and the Pacific

Roadway capacity additions have not proven to be an effective way to reduce congestion



Road accidents

Economies of Asia and Pacific lose approximately \$96 billion per year in income due to road accidents

Over 50% of the victims of road accidents in Asia and the Pacific are vulnerable road users (e.g. pedestrians)



Solutions



Public transport



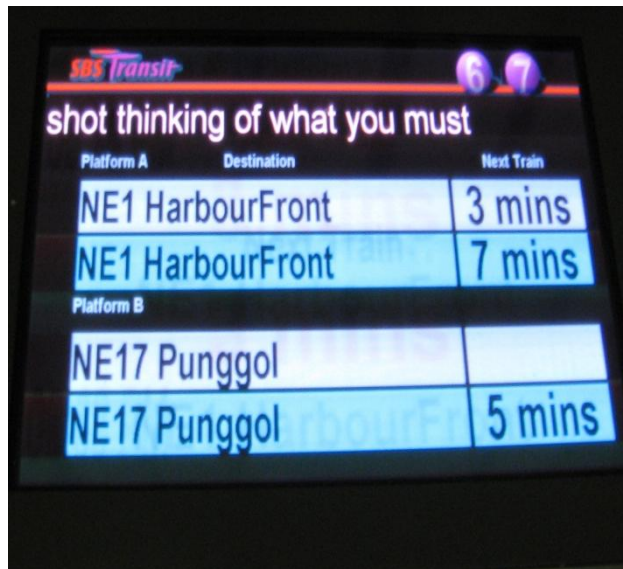
Transit-oriented development



Non-motorized transport



Transportation Demand Management



Intelligent Transportation Systems



Clean fuels

How do we
scale up?



Tipping points: Bus Rapid Transit



New York bus lane
Paris bus lane

Curitiba

Sao Paulo
Goiania
Pittsburgh

Quito
Leeds

Bogota TransMilenio
Brisbane
Rouen

1963

1974

1975

1996

2000

2005

Approximately 46 systems world-wide

2011

Approximately 104 systems world-wide

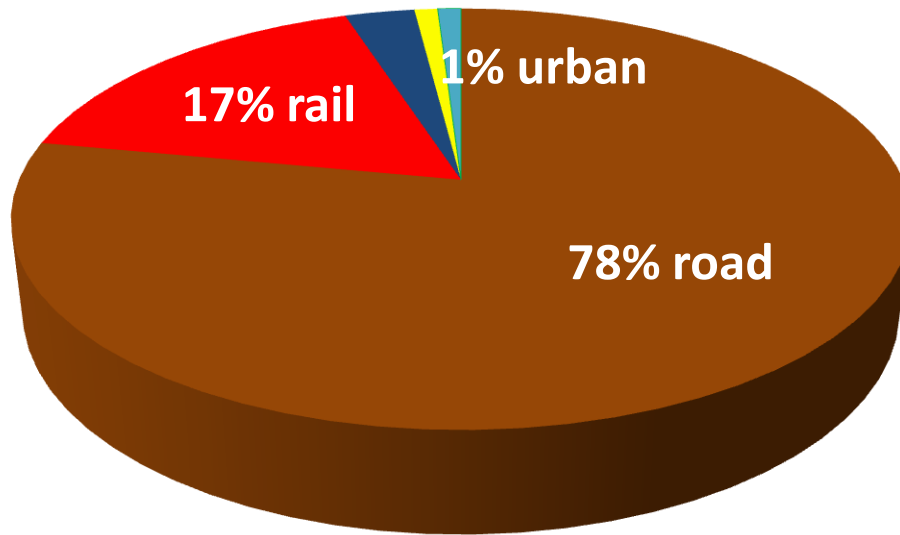


**SUSTAINABLE
TRANSPORT
INITIATIVE****Sustainable Transport Initiative**

1. Urban transport
2. Transport and climate change
3. Logistics and cross-border transport
4. Road safety and social sustainability

ADB's 2020 targets

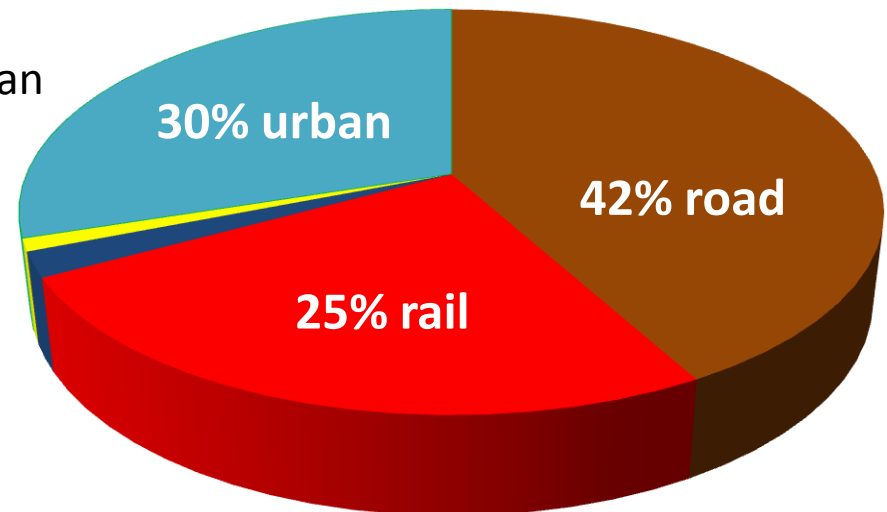
2000-2009



Percent of transport-sector loan portfolio

■ Roads ■ Rail ■ Water ■ Air ■ Urban

2020



■ Roads ■ Rail ■ Water ■ Air ■ Urban

Project pipeline: Bus Rapid Transit

Dhaka, Bangladesh

1. Jiangxi Fuzhou, PRC
2. Jiangxi Ji'an, PRC
3. Lanzhou, PRC
4. Pimpri-Chinchwad, India
5. Ulaanbaatar, Mongolia
6. Yichang, PRC



Project pipeline: Urban rail

1. Astana, Kazakhstan (LRT)
2. Ha Noi, Viet Nam (Metro)
3. Ho Chi Minh City, Viet Nam (Metro)
4. Tbilisi, Georgia (Metro)



Project pipeline: NMT and urban development

1. Davao City, Philippines
2. Kathmandu, Nepal
3. Pasig City, Philippines
4. Vientiane, Lao PDR
5. Xian, PRC
6. Yerevan, Armenia



Road safety

ADB's Road Safety Action Plan

- Mainstreaming road safety components into ADB operations
- Developing and operationalizing safety guidelines and tools
- Establishing a stand along road safety project pipeline
- Coordinating international efforts under the UN Decade of Action on Road Safety



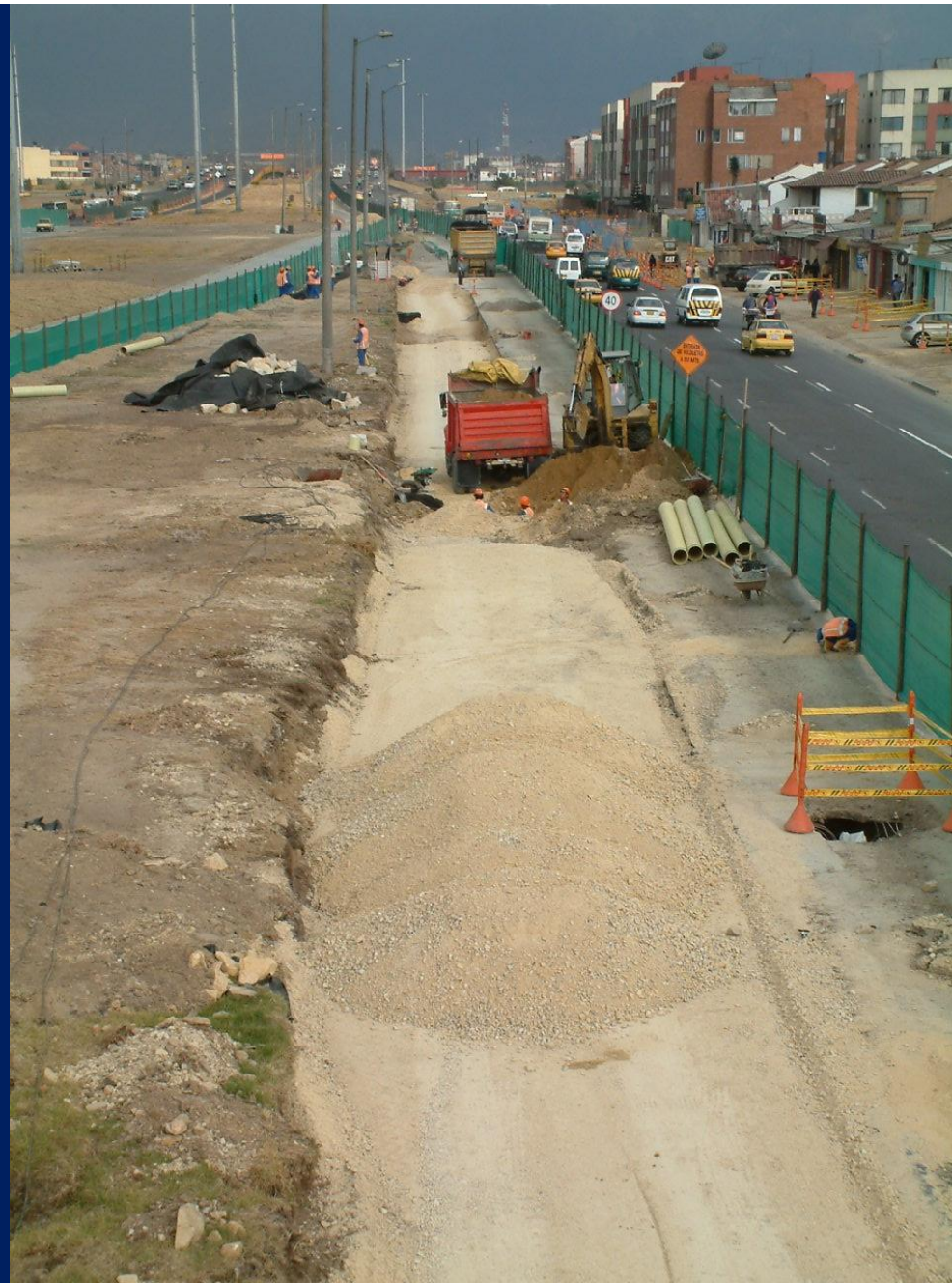
Green freight and logistics

- Road-to-rail shifts
- In-land water transport development
- Port development
- Vehicle and fuel technologies
- Logistics management systems



Project pipeline: Road

1. Georgia (Road Corridor)
2. Mongolia (Western Regional Road)
(Regional Road Devt.)
3. Cambodia (Provincial Roads)
(Rural Roads)
4. Philippines (Road Improvement &
Institutional Devt.)
5. Azerbaijan (Road Network Devt.)
6. Kazakhstan (CAREC Corridor)
7. PRC (Xian Urban Road Network)
(Yunnan Integrated Road Network)
8. India (North Eastern Estate Roads)
(Madya Pradesh State Roads)
9. Sri Lanka(National Highways)
10. Vietnam (GMS Luc Long Than
Expressway)
11. Kiribati (Road Rehabilitation)
12. Bangladesh (Padma Bridge)



Project Pipeline: Railways

- Bangladesh (Railway Sector Investment)
- India (Sector Investment)
- PRC (Energy Efficiency and Safety Enhancement)
- PRC (Lanzhou-Chongqing Railway Devt.)
- Vietnam (Hanoi Metrorail)
- Turkmenistan (North-South Railway)
- Pakistan (Lahore Mass Rapid System)
- Cambodia (GMS Rehabilitation of Railways)
- Uzbekistan (CAREC Corridor 6 , Marakand-Karshi Electrification)



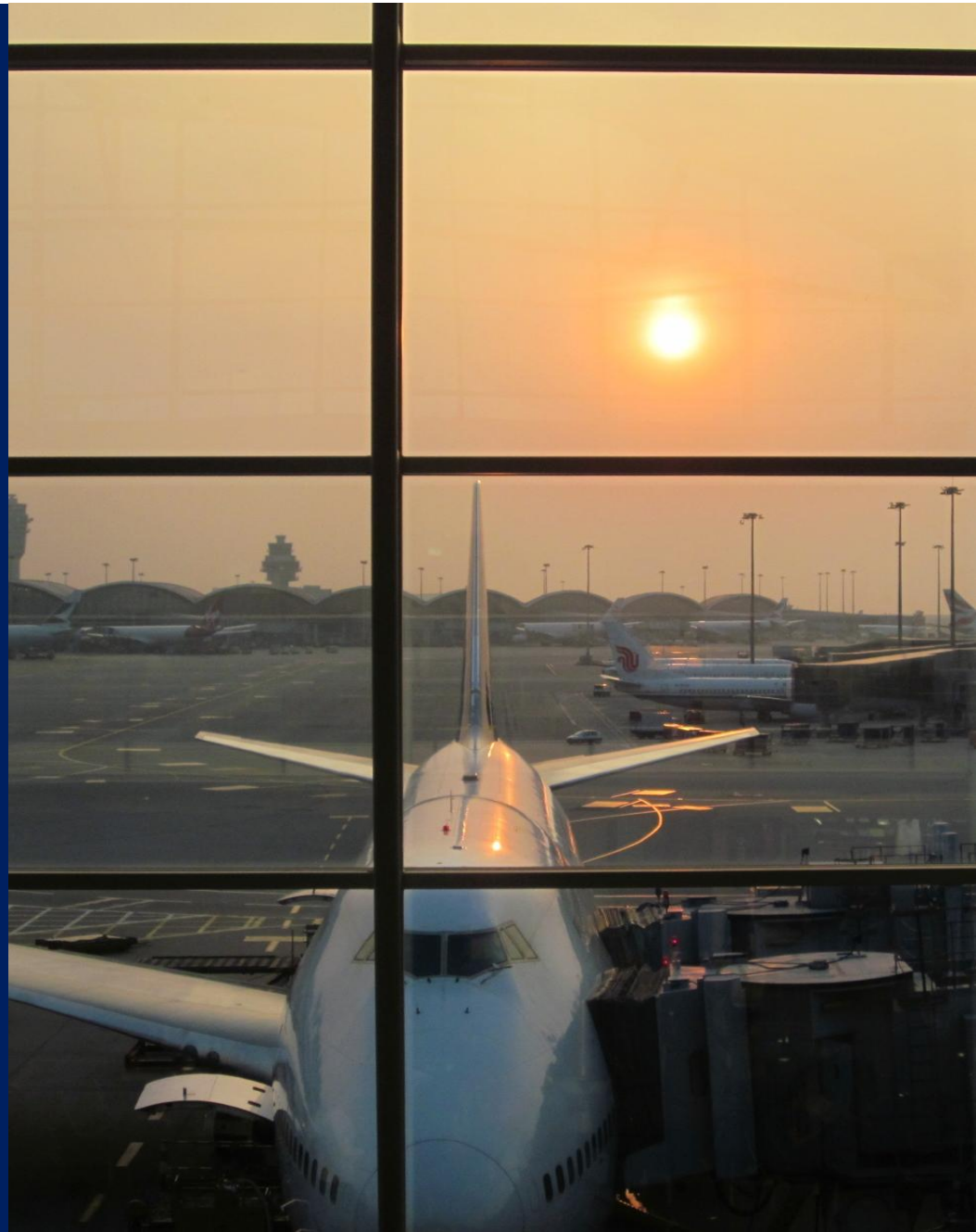
Project Pipeline: Water Transport

- Vanuatu (Inter-Island Shipping)
- Mongolia (Regional Logistics)
- PNG (LAE Port Devt.)
- Maldives (Domestic Maritime Transport)
- Sri Lanka (Colombo Port Expansion)



Project Pipeline: Air Transport

- PNG (3 Loans) (Civil Aviation Development Investment)
- Nepal (Air Transport Capacity Enhancement)
- Regional (Establishment of the Pacific Aviation Safety Office)



Innovative financing mechanisms



Fuel Security Credits



Carbon Credits



Health Credits



Road Safety Credits



Funding Sustainable Transport



Land Value Capture



Congestion Pricing



Parking Levies



Fuel Levies

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Thank you

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