



Rethinking Transport *in the context of* Climate Change



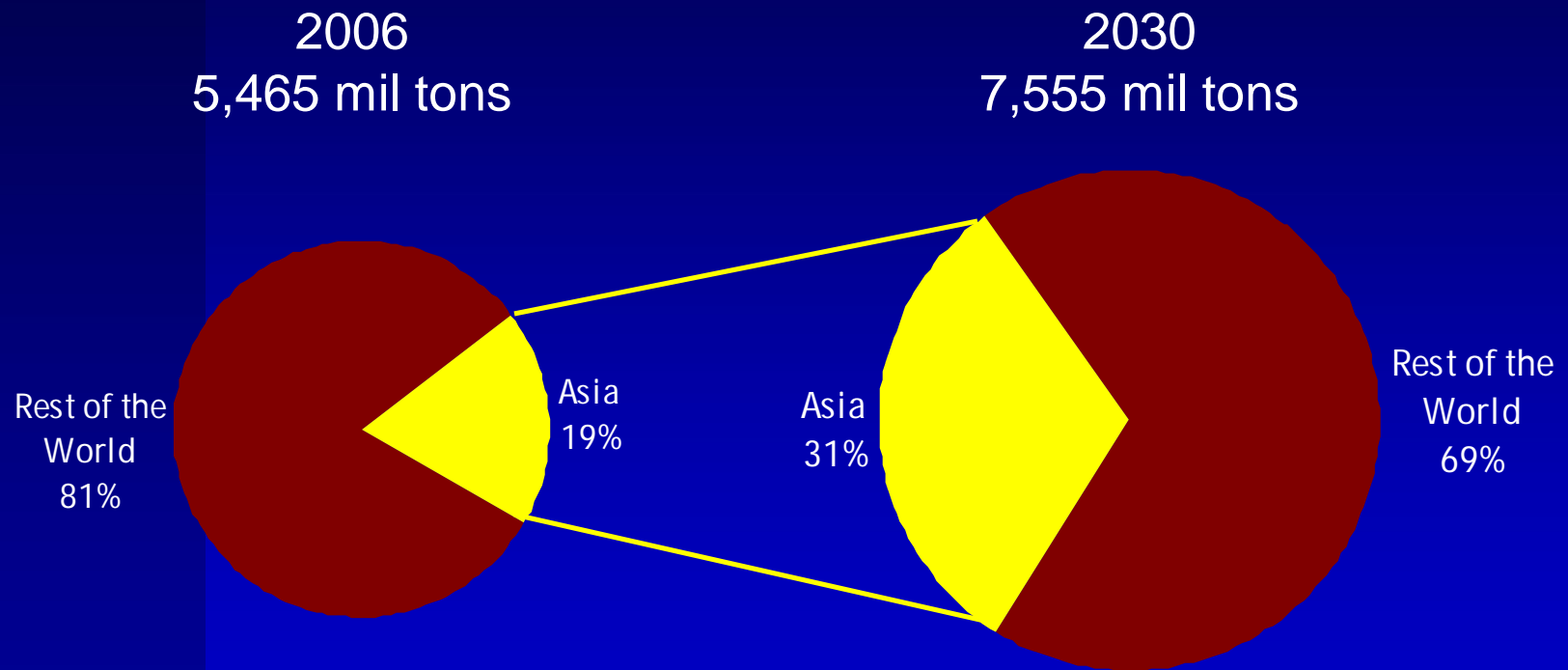
*ADB's Approach to Mitigation Carbon Emissions in
Transport Sector*



Sharad Saxena
Asian Development Bank

ADB

Transport Sector CO₂ emissions



Source: IEA, World Energy Outlook 2008

Note: Total emissions excludes international marine bunkers and international aviation

ADB

Strategy 2020



- ADB's Long Term Strategy
- ADB will refocus its operations into 5 core areas:
 - Infrastructure including **Transport**
 - Environment including **Climate change**
 - Regional Cooperation
 - Financial sector development
 - Education

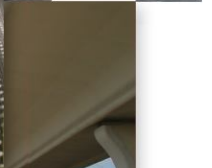
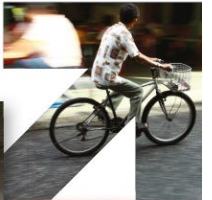
Rethinking Transport and Climate Change



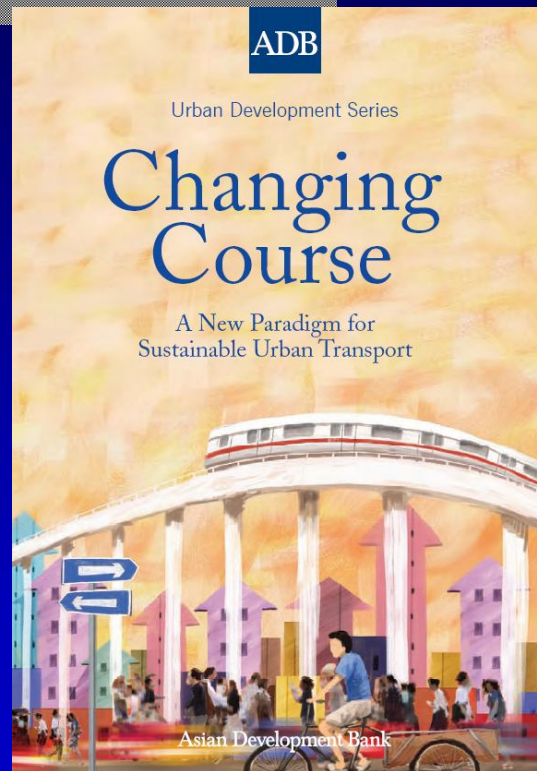
Staff Working Paper
May 2010

SUSTAINABLE TRANSPORT INITIATIVE

Operational Plan



Asian Development Bank



Energy Efficiency and Climate Change Considerations for On-road Transport in Asia



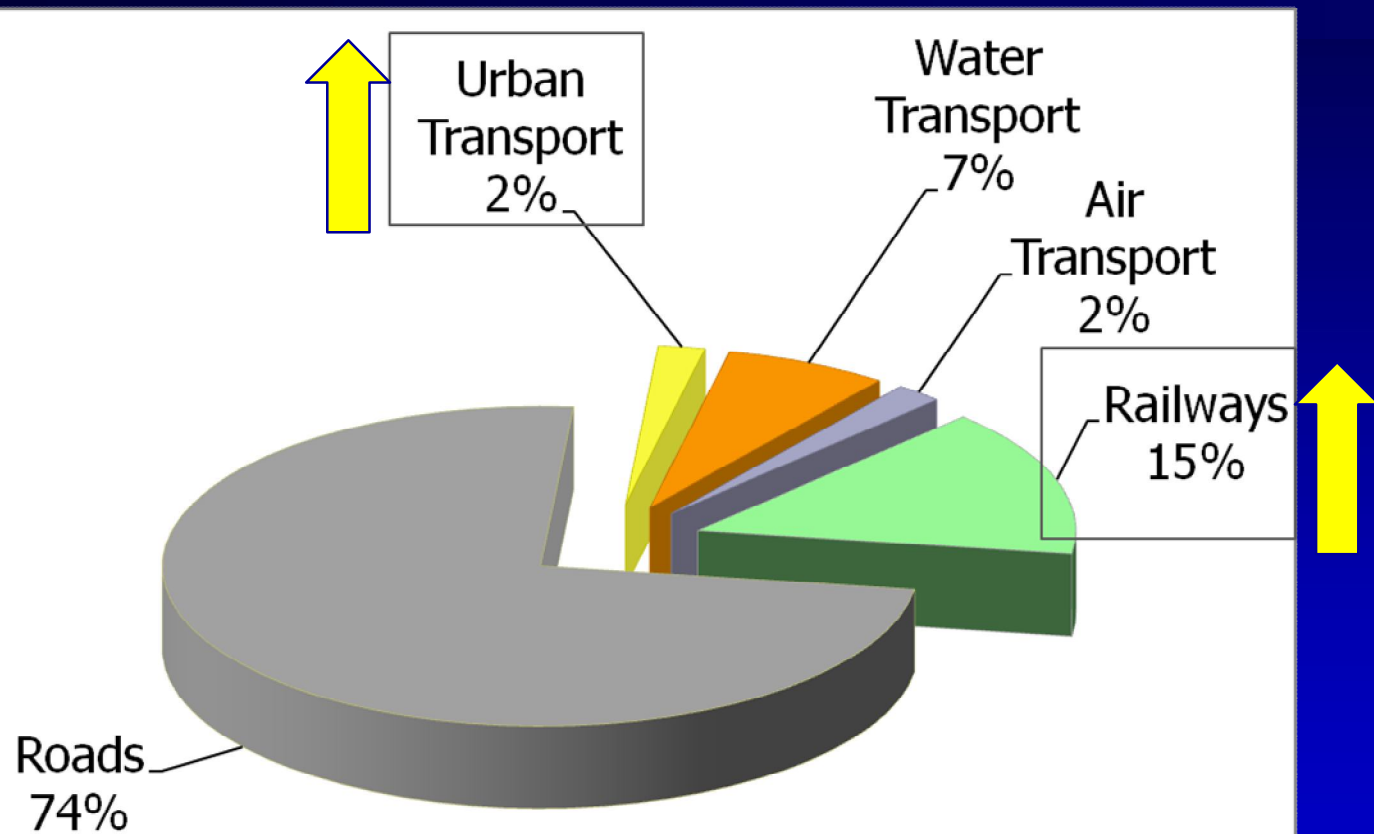
ADB DFID Department for International Development

In collaboration with

ADB

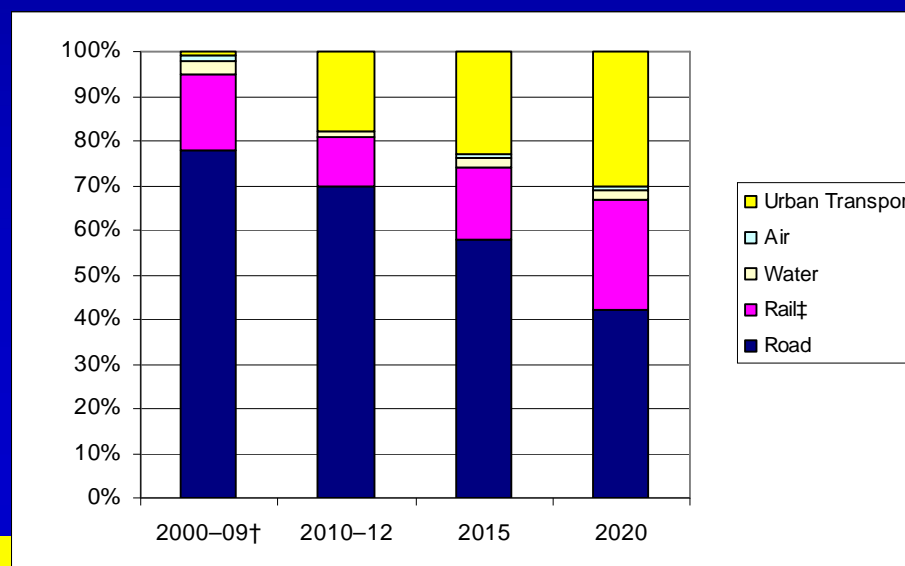
ADB's Transport Portfolio

1970-2009



Directional Targets

Subsector	Actual	Pipeline	STI Target	
	2000–09	2010–12	2015	2020
Road	78	70	58	42
Rail [‡]	17	11	16	25
Urban Transport	1	18	23	30
Water	3	1	2	2
Air	1	0	1	1



Sustainable Transport Initiative

Low Carbon Transport Interventions

- **Urban transport.** Scaling up of ADB urban transport operations

BRT projects in Lanzhou and Pimpri, Pune



Metro Rail projects in Ho Chi Minh city, Hanoi



Sustainable Transport Initiative

Low Carbon Transport Interventions

Afghanistan, China, Cambodia
Bangladesh, Vietnam
India, Azerbaijan

- **Railways**

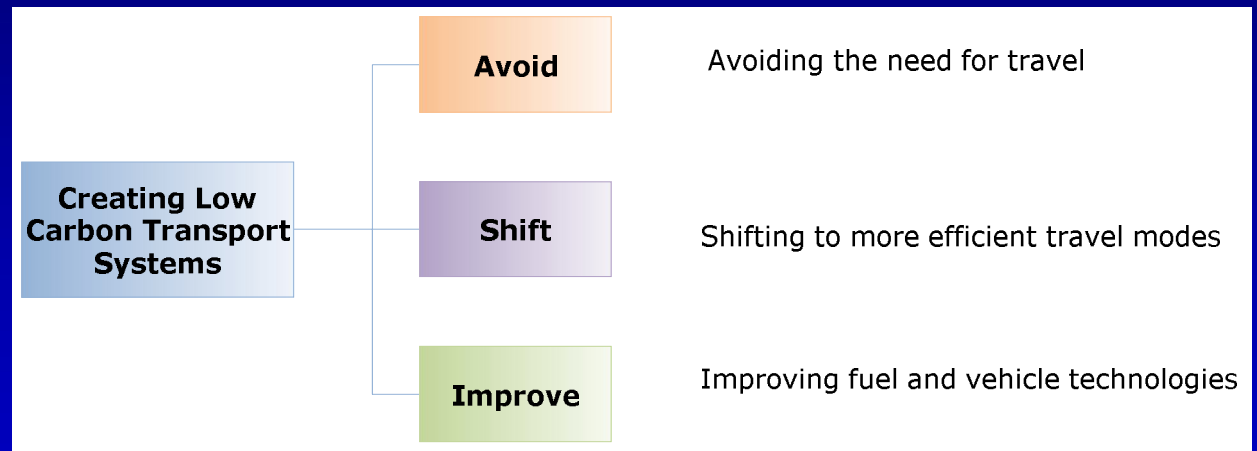
- Afghanistan: Hairatan to Mazar-e-Sharif (75km)
- PRC: Energy Efficiency and Safety Enhancement Investment program
- Cam: Rehab 600 kms of track



Asian City Transport

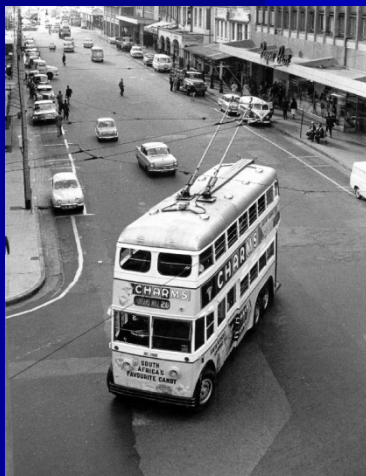
Developing Low Carbon Pilot Urban Transport Projects

- Kathmandu
- Davao
- Vientianne
- Tiblisi
- Yerevan
- Lanzhou



Kathmandu Urban Transport Project

Avoid	Shift	Improve
Pedestrian infrastructure	Trolley bus reintroduction	Public transport fleet renewal
Pedestrian priorities	Route rationalization	Replacement of tempos



Carbon Footprinting of Transport Projects



- Preliminary work done on India road projects
- **Study on Reducing Carbon Emissions from Transport Projects**
- **Measure to Mitigate**

Green Financing for Transport

Source	Projects
GEF	Kathmandu Sustainable Urban Transport Project
Climate Investments Funds	Ho Chi Minh City and Hanoi Metro projects
Climate Change Fund	Urban Transport in Kathmandu, Davao and Vientienne

Partnerships

- Partnership on Sustainable Low Carbon Transport (SLoCaT)
- MoU with Inter American Bank
- Korea Transport Institute
- GTZ
- ITDP
- WRI - EMBARQ

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.

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