



# Transport and Climate Change Initiatives at ADB

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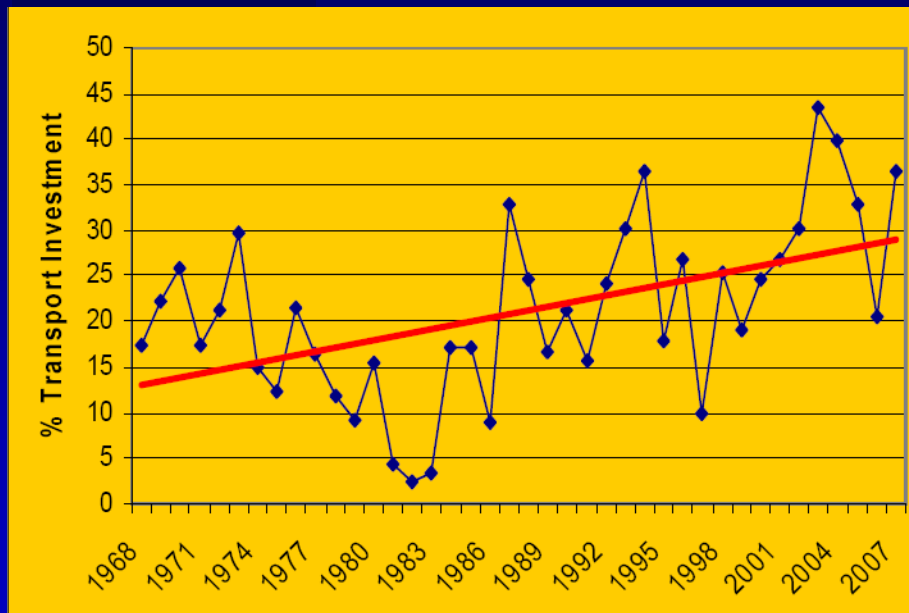
17<sup>th</sup> June, 2009

ADB

# Structure of the presentation

1. ADB and Transport
2. Strategy 2020
3. Climate Change Implementation Plans
4. Adaptation work
5. Carbon Foot printing
6. Financing

# ADB's Investment in the Transport Sector

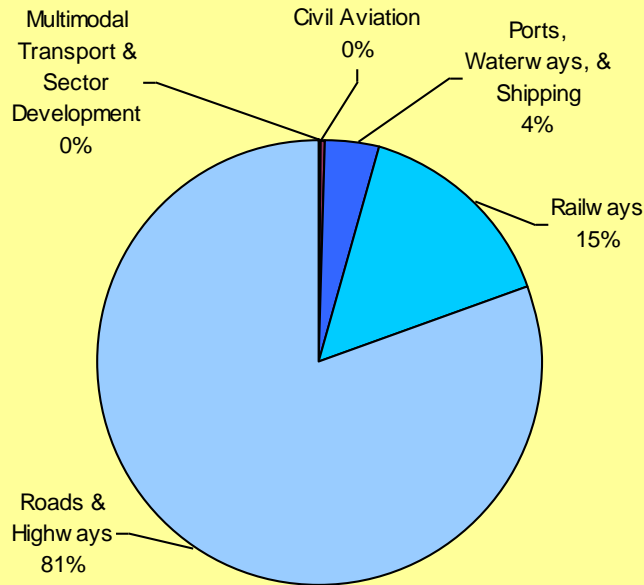


- Transport – imp. Component of poverty reduction and economic development
- Priority reflected in the scale of ADB operations

# ADB's Transport sector share

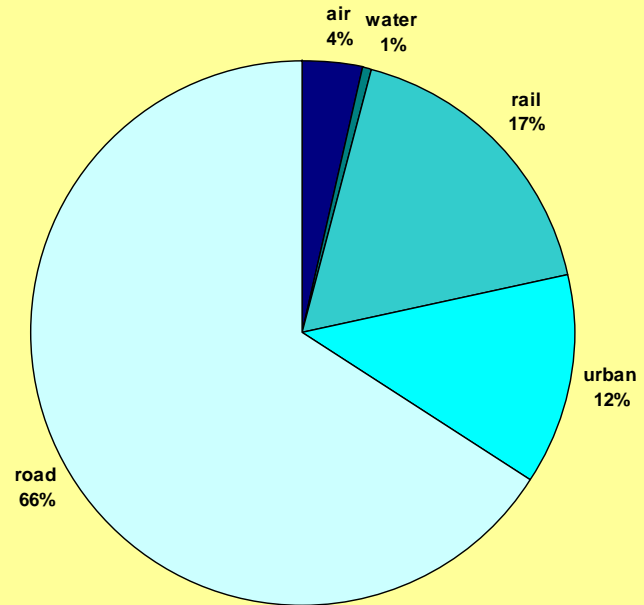
Transport is a priority sector for ADB lending

ADB Transport Lending - Public Sector  
(2004-2008)



**\$2.19 billion per annum**

ADB's Transport Lending Pipeline - Transport Sector  
(2009-2011)



**\$5.89 billion per annum**

# Developing Climate friendly transport Systems

BRT projects in Lanzhou and Pimpri, Pune



China, Bangladesh, Vietnam, Cambodia, India, Azerbaijan



Metro Rail projects in Ho Chi Minh city, Hanoi, Bangalore



Supporting Vehicle and Fuel technology conversions



# Strategy 2020



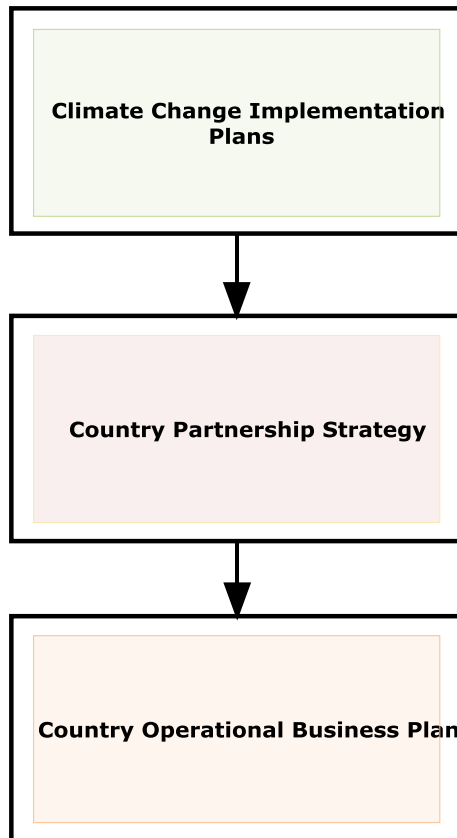
- ADB's LTSF
  - Climate Change is a key issue
  - Help DMC's move on low carbon growth paths
- ADB will refocus its operations into 5 core areas:

- Infrastructure including Transport
- Environment including Climate change
- Regional Cooperation
- Financial sector development
- Education

# Climate Change Implementation Plans

## Mainstreaming Climate Change

### Implementing Action on Climate Change

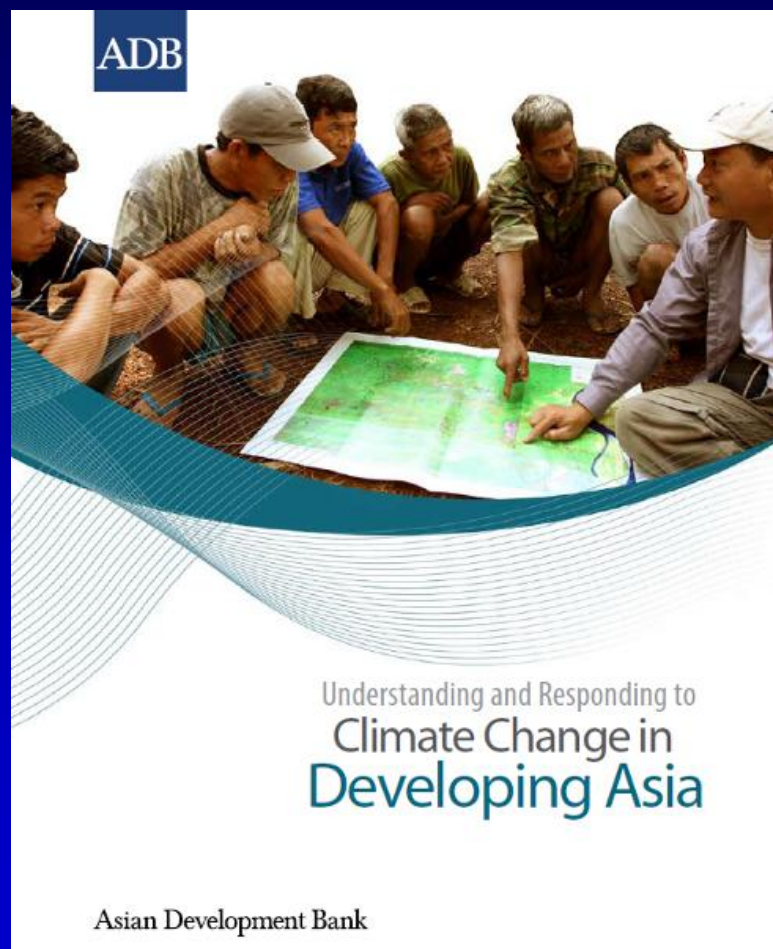


- Each regional Dept. – develops a CCIP
- The CCIP - **what we are doing and want to do on climate change** in each region.
- Consider climate change in country programming exercise
- Climate Change Implementation Plans
  - Country Partnership Strategy
  - Country Operational Business Plan

# CCIP Status

- All CCIPs are now complete. CCIP will be “living” documents, updated to reflect DMC needs.
- An ADB-Wide CCIP “Understanding and Responding to Climate Change in Developing Asia”

Available at: [www.adb.org/CCIP](http://www.adb.org/CCIP).





# ADAPTATION

How can climate change impact the transportation sector?

Example: Solomon Islands



Stream crossing damaged by frequent and high intensity flood events

Example: U K road damage



Coastal road damaged by sea level rise

# How can we Adapt?



## Levels of Intervention:

1. Change engineering parameters and solutions
  - i.e. select non-corrosive materials for coastal construction, road elevation, sea walls, maintenance routines
2. Environmental management
  - i.e. waterbasin management, ecosystems analysis and resilience (buffers against shocks)
3. Alignments - Consider climate change
  - i.e. avoiding permafrost zones

# Carbon Footprinting of Transport Projects



- Preliminary work done in India
- 4 road projects – national, state highway and rural roads
- CO2 emitted over full life cycle – construction, operation and maintenance estimated

# ADB Financing Tools: Mitigation and Adaptation

Help make climate change mitigation and adaptation actions affordable and more competitive to DMCs through:

- Mobilizing concessional resources
- Maximizing the use of market-based mechanisms
- Catalyzing private capital

# Mobilizing Concessional Resources

Mitigation

Adaptation

Both

**Clean Energy Financing  
Partnership Facility**  
(\$95 m)

**Small Grants for Promoting  
Climate Change Adaptation**  
(\$1.2 m)

**Climate Change Fund**  
(\$40 m)

**Water Financing Partnership  
Facility**  
(target \$65 m, including adaptation)

**Poverty and Environment Fund**  
(\$3.6 m, including adaptation)

**ADB - Climate Change Funds**

**ADB**

# Maximising Market Based Mechanisms

## Carbon Market Initiative (CMI)

- ADB internal initiative
- Financing Scheme that supports the development of low carbon projects
- Three components

Technical Support Facility

Carbon Funds

Credit Marketing Facility



### Carbon Market Funds

- Asia-Pacific Carbon Fund (\$151 m)
- Future Carbon Fund (target \$200 m)

# 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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