



Catalyzing the development of low carbon transport in Asia and the Pacific: the role of ADB

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Keynote Address at the Final Symposium of "Study of Long-Term Transport Action Plan for ASEAN" 20 Feb, Tokyo Japan

Asia faces 6 MEGA Challenges

Addressing Inequities and Disparities

- Inequities within countries (e.g. across geographical regions, rural vs. urban) major risks to social stability
- Disparities across countries increase risks: migration; tensions and even conflict
- Regional cooperation necessary to mitigate such risks

Disparities across Countries and Subregions

- Gap between region's advanced and least-developed economies larger than in any other region – region must find ways to spread prosperity
- Disparities left unaddressed will create significant risks

Avoiding the Middle Income Trap

- Inclusive growth and creation of large middle class
- Sound and efficient financial systems
- Technologically capable, skilled labor force
- Specialization to gain competitiveness
- Corruption under check

Global Competition for Finite Resources

- Increasing affluence could lead to unsustainable pressure on finite natural resources
- Growth patterns and lifestyle must change dramatically

Global Warming and Climate Change

- Climate change, and resulting severe water shortages – mega challenge
- New growth model and much more eco-friendly and sustainable lifestyles

Massive Urbanization

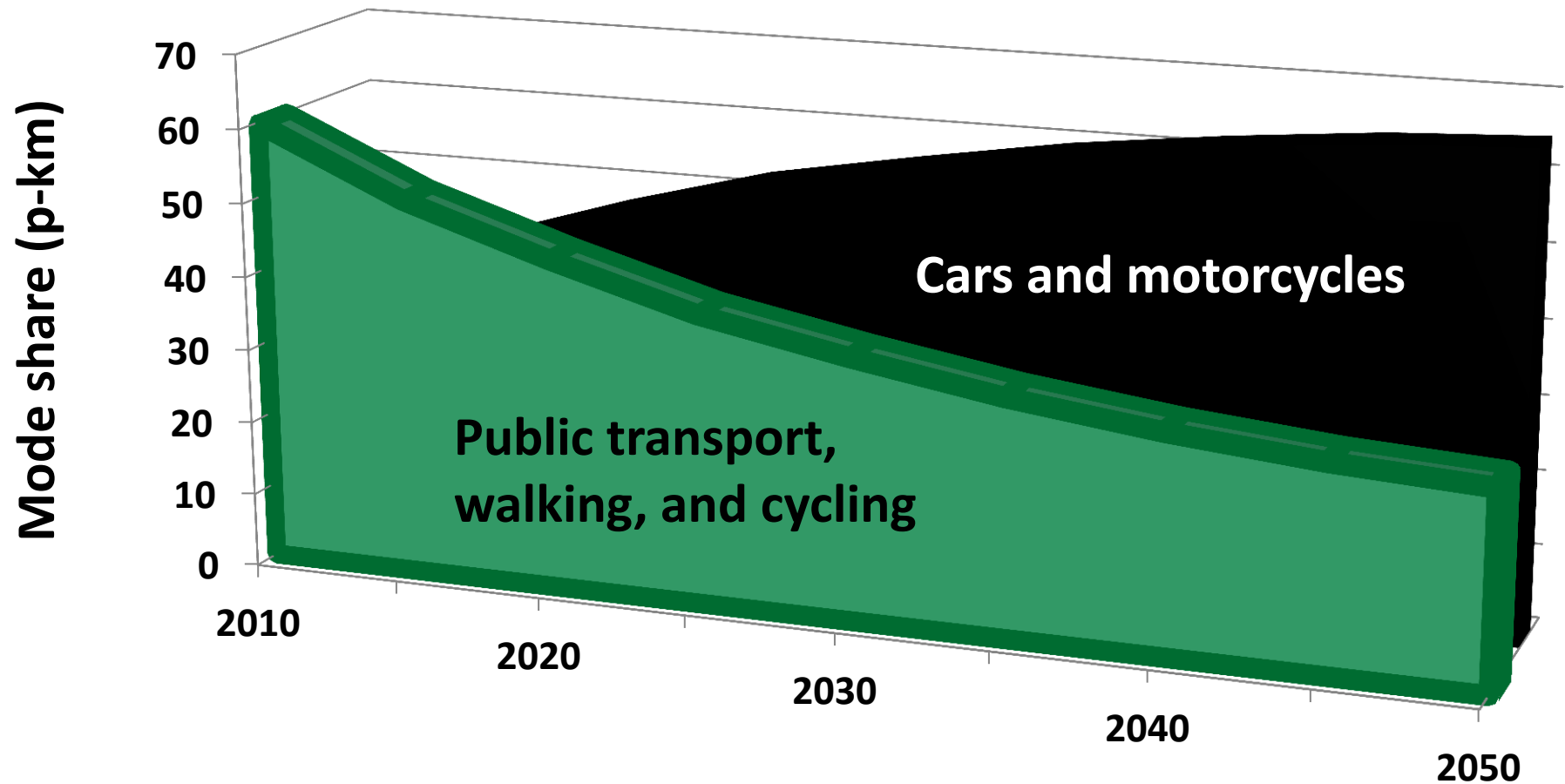
- Urban poverty
- Environmental stress and climate change
- Strain on urban mobility
- Need for livable cities

The region is urbanizing at an unprecedented rate

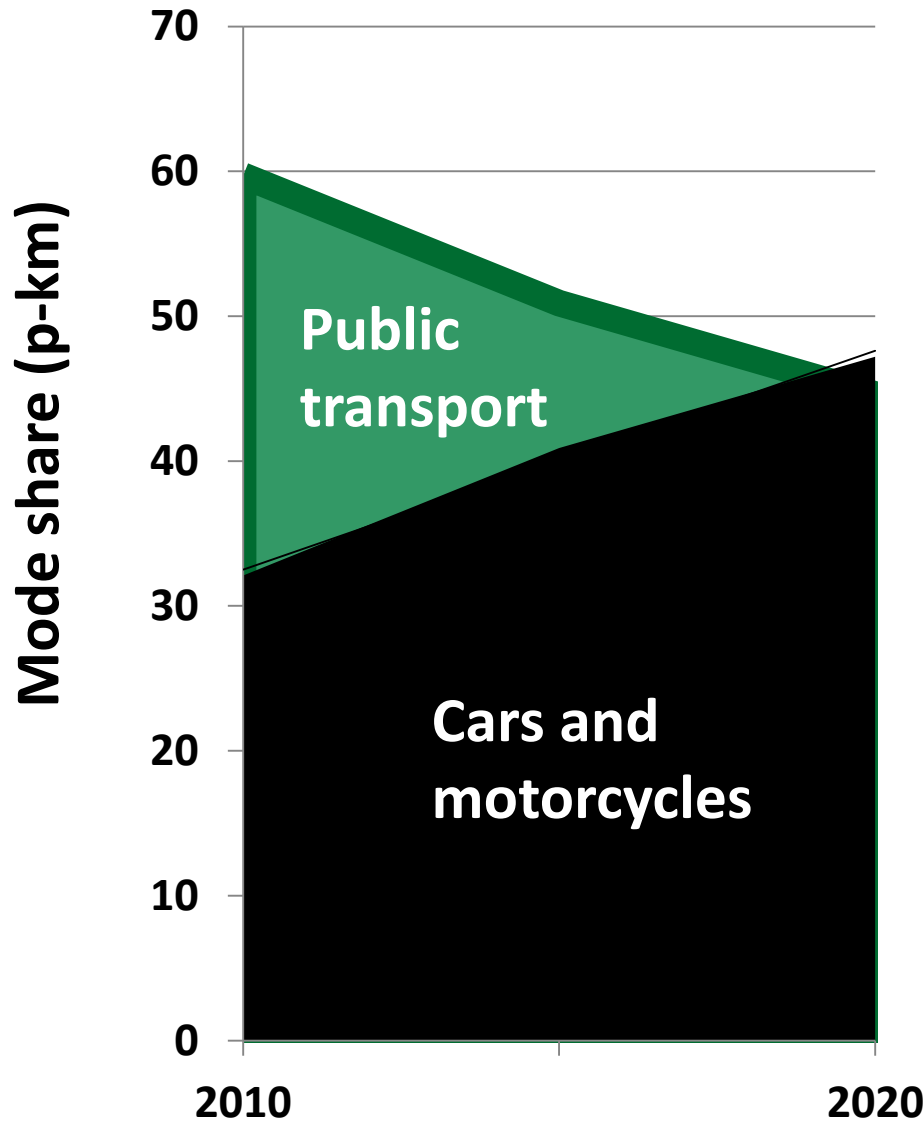
- Urban areas account for 84% of global GDP
- Urbanization is expected to grow by 3% annually in Asia
- About 1.1 billion people will move to cities in the next 20 years
- 600 cities account for 60% of GDP (50% of these cities are in Asia)
- 23 megacities account for 14% of Global GDP but will decline to 10% by 2025
- 577 second-tier cities to account for 50% of global GDP by 2025



Transport trends for Asia and the Pacific

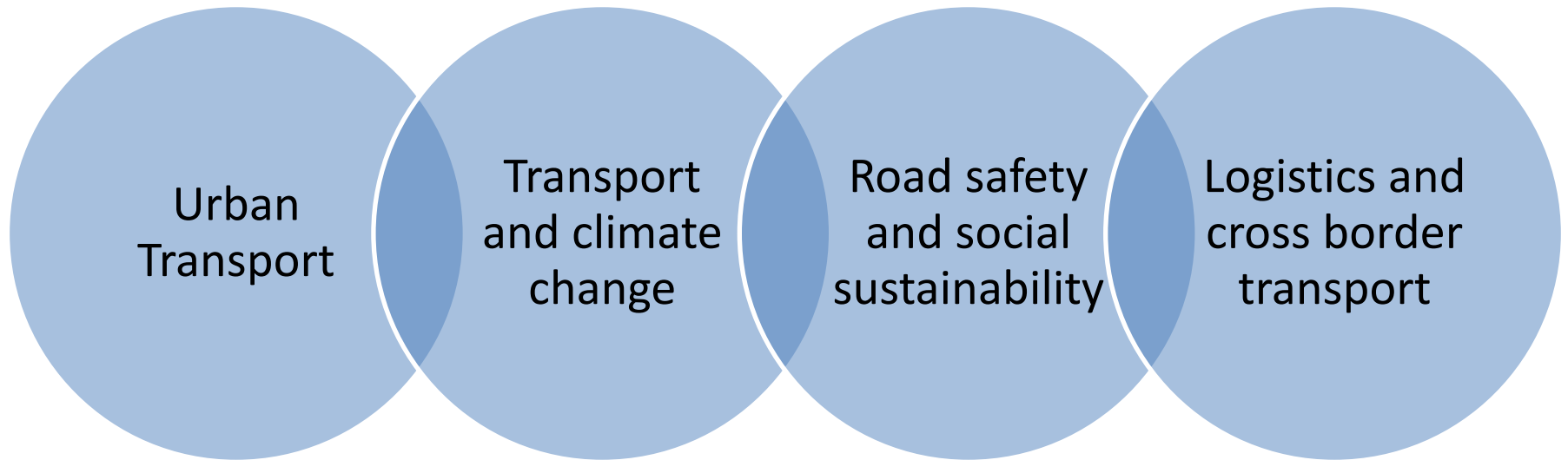


Lag times

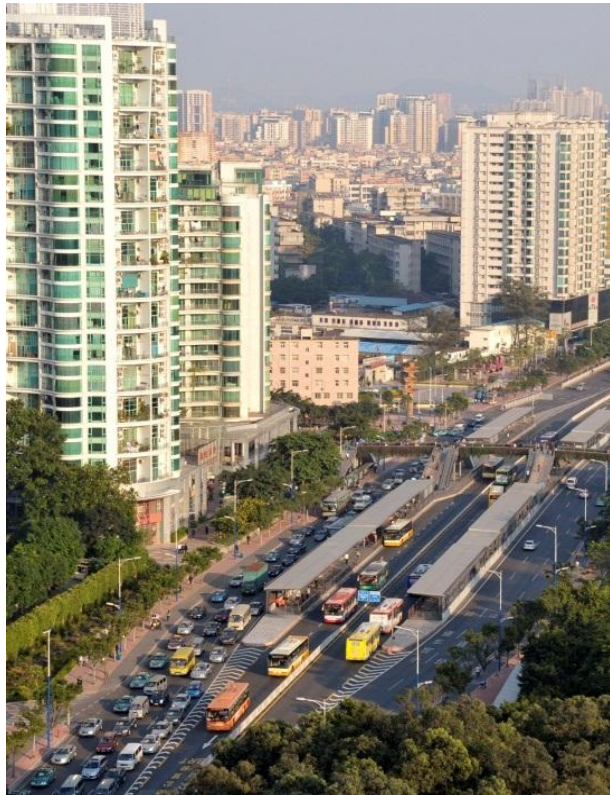


The trend for the next 5 to 8 years is fixed

ADB's Sustainable Transport Initiative: Priority areas



Strategy for sustainable transport



Avoid unnecessary vehicle kilometers

- Smart growth
- Zoning regulations

Information and communications technologies (ICT)

- Transit-oriented development

Shift to the lowest-emitting modes

- Public transport
- Non-motorized transport
- Transportation demand management (TDM)
- Shift to rail freight

Improve vehicle/fuel technology towards cleaner and more efficient options

- Alternative fuels
- Fuel efficiency standards
- Vehicle maintenance
- Vehicle testing

Supporting a wide range of investments



Nonmotorized transport



Inland waterways



Urban public transport



Railways

Linking cities through regional programs

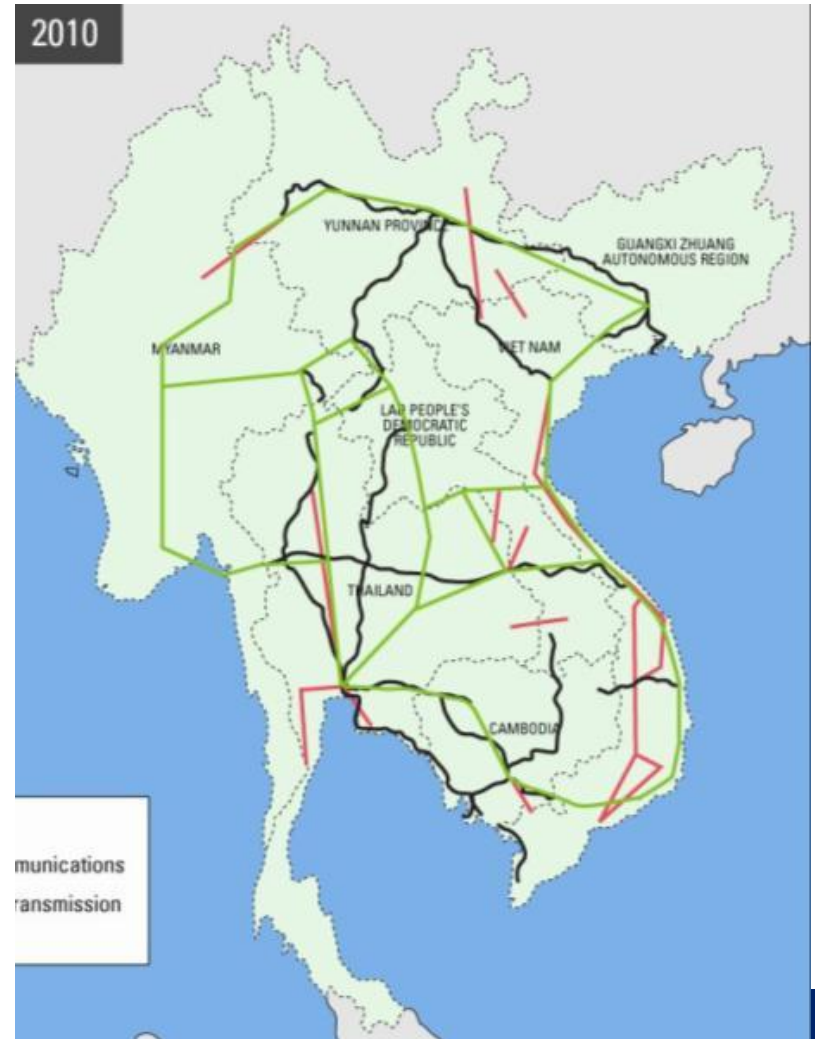
Central Asia Regional Cooperation (CAREC) Transport Corridors



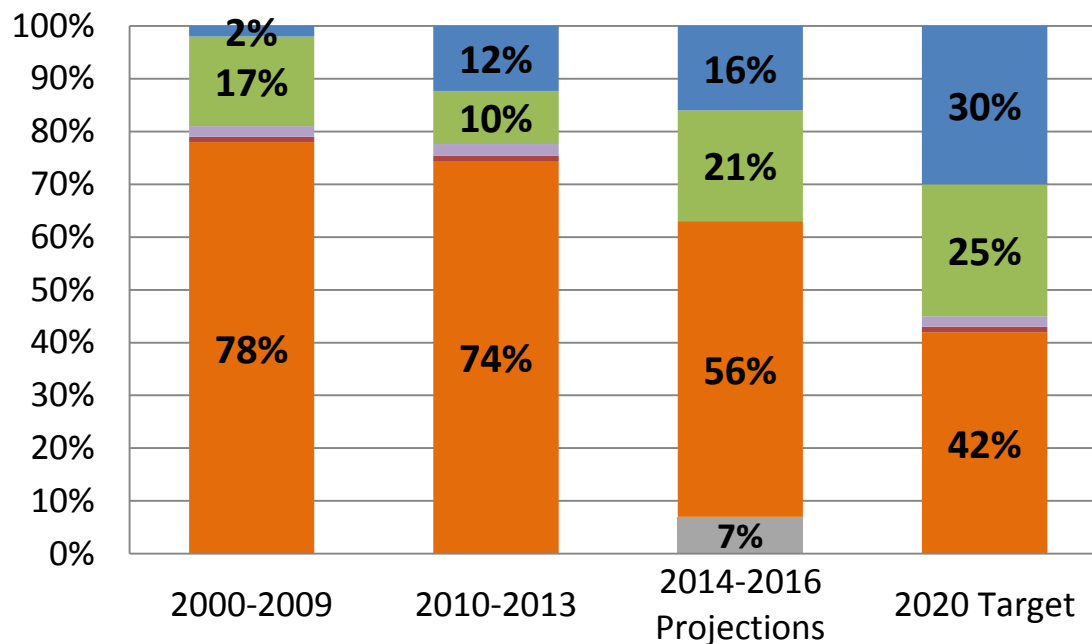
Railway linking Afghanistan and
Uzbekistan



Greater Mekong Subregion (GMS) Program

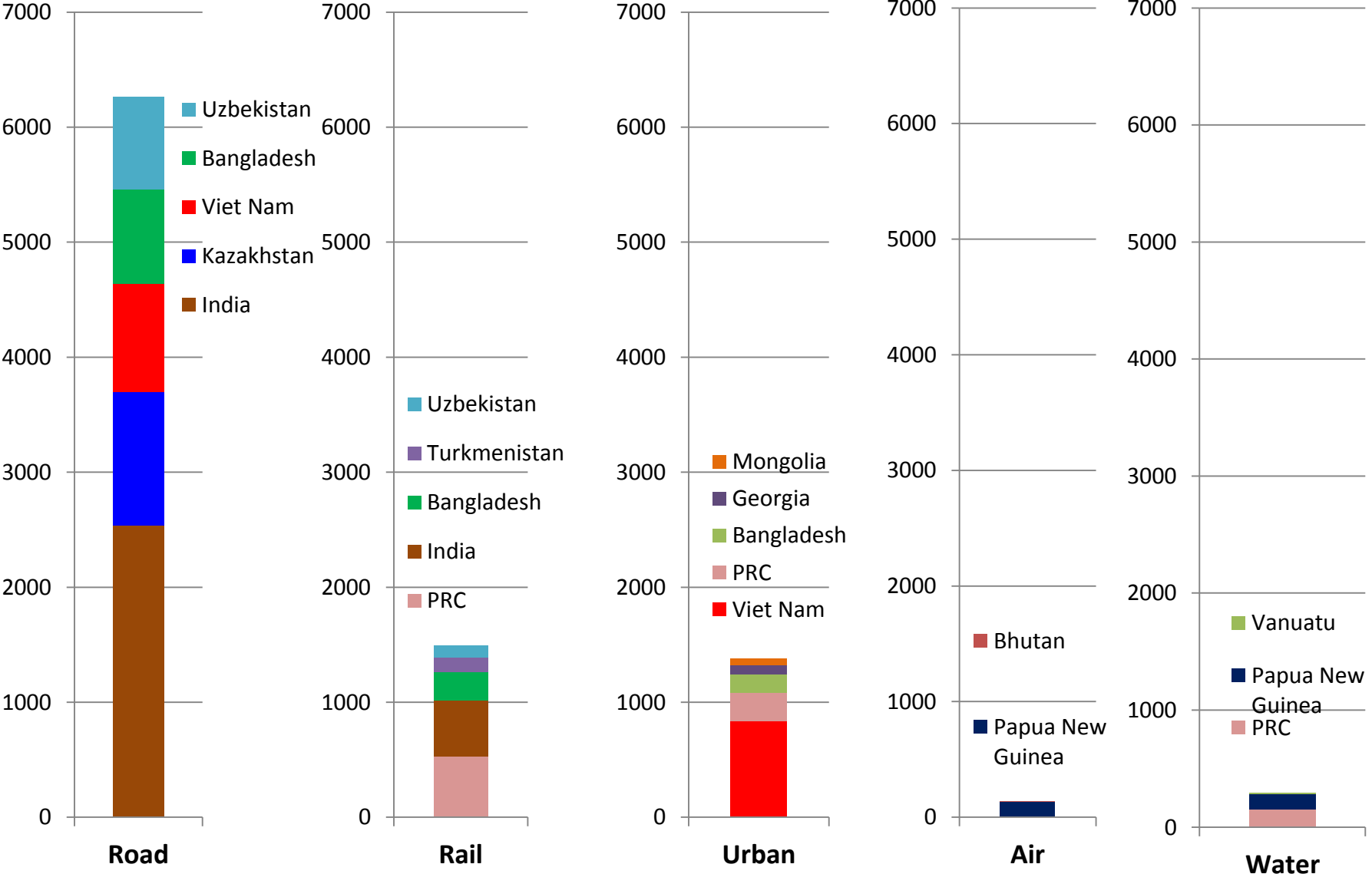


ADB's transport transformation



Urban Transport (mainly public and nonmotorized)	2%	12%	16%	30%
Railways	17%	10%	21%	25%
Water Transport	2%	2%		2%
Air Transport	1%	1%		1%
Roads	78%	74%	56%	42%
Other/Undefined			7%	
Amount (annual average)	\$1.9bn	\$3.5bn	\$3.6bn	
% of total ADB investment	29%	32%	32%	

Transport Investments (2010-2013): Top 5 recipients by subsector



Units: \$ million

Changing the way we design projects

Risk to Sustainability

- 16. Design and evaluation risk
- 17. Implementation risk
- 18. Operational risk

Environment and Climate Change

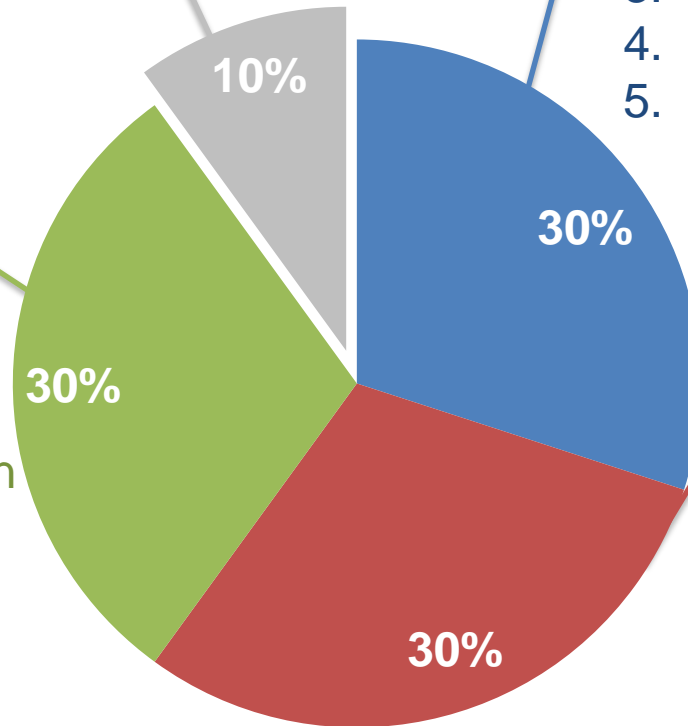
- 11. Greenhouse gas emissions
- 12. Transport-related emissions and pollution
- 13. Climate resilience
- 14. Natural and built environment
- 15. Resource efficiency

Economic

- 1. Efficiency: people
- 2. Efficiency: businesses
- 3. Quality & reliability
- 4. Fiscal burden
- 5. Wider economic benefits: regional, urban, rural

Poverty & Social

- 6. Basic accessibility
- 7. Employment
- 8. Affordability
- 9. Safety
- 10. Inclusion and social cohesion



Piloting Sustainable Transport Appraisal Rating (STAR)

Available at: <http://www.adb.org/publications/toward-sustainability-appraisal-framework-transport>

Voluntary commitment at Rio+20



\$175 billion

for more sustainable transport
in developing countries
(from 2012 to 2021)



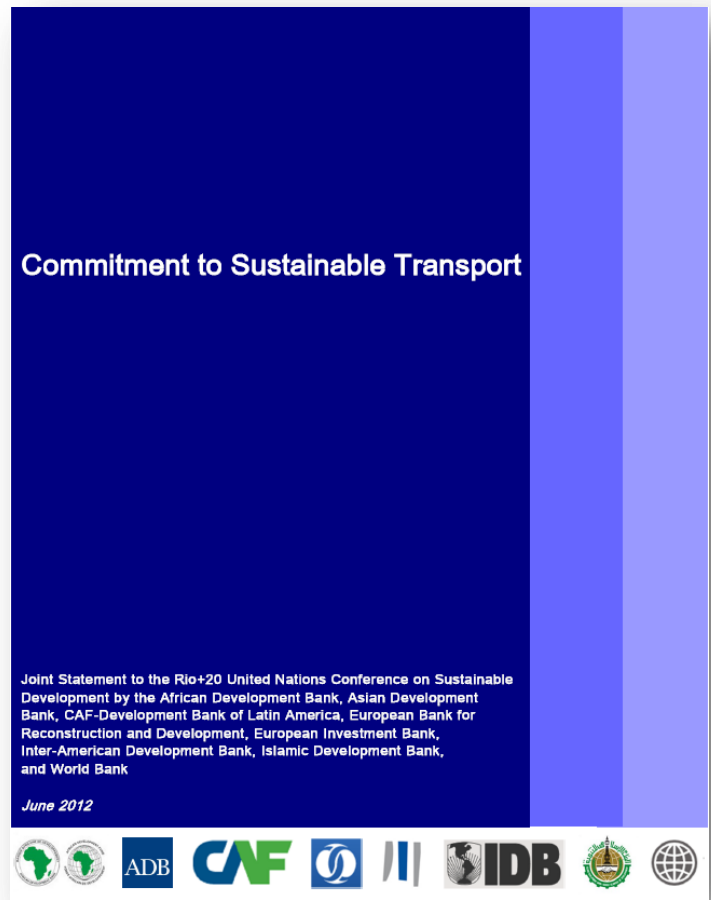
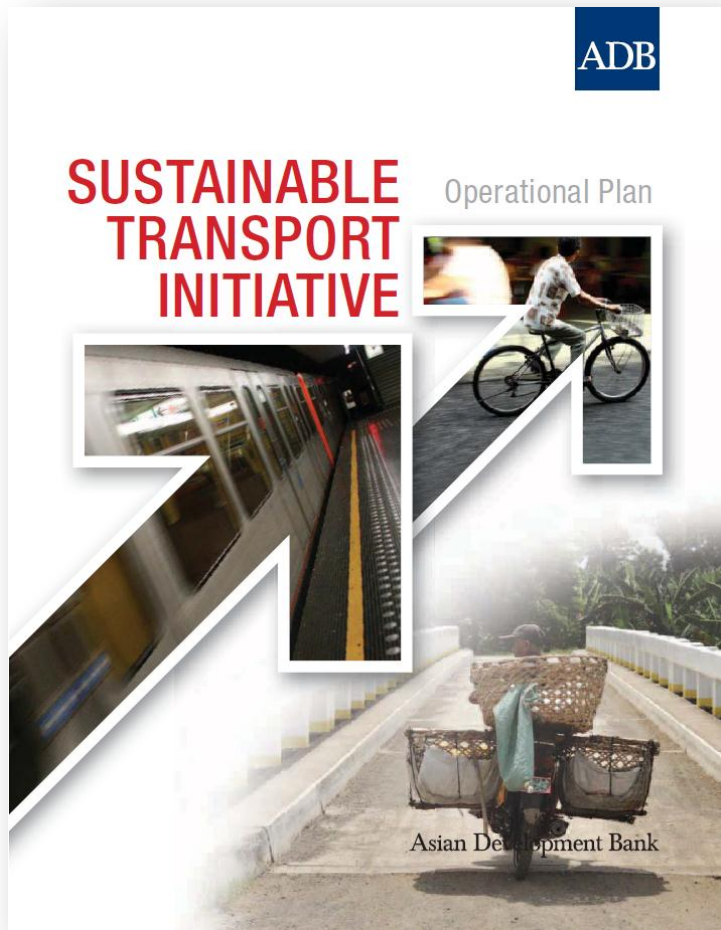
First progress report just launched: MDBs are on target!

- More than **\$20 billion** in financing in 2012
- Shift towards urban transport, railways, incorporation of safety/climate adaptation/asset management in road projects
- MDBs providing much more than financing: capacity building, knowledge, policy dialogue

Available at: <http://www.adb.org/documents/progress-report-2012-2013-mdb-working-group-sustainable-transport>



Our continued commitment to sustainable transport



Thank you for your attention

ご清聴ありがとうございました