

Sustainable Transport Development in Asia and the Pacific

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Sustainable transport is...

- ✓ accessible
- ✓ affordable
- ✓ environment friendly
- ✓ safe

The good and the bad...

- Transport **enables** economic & social activity, provides access to opportunities, services and is a key driver in economic development
- **But has negative effects too:**
 - congestion,
 - emissions (local and global),
 - environment impacts,
 - safety issues (fatalities and serious injuries)

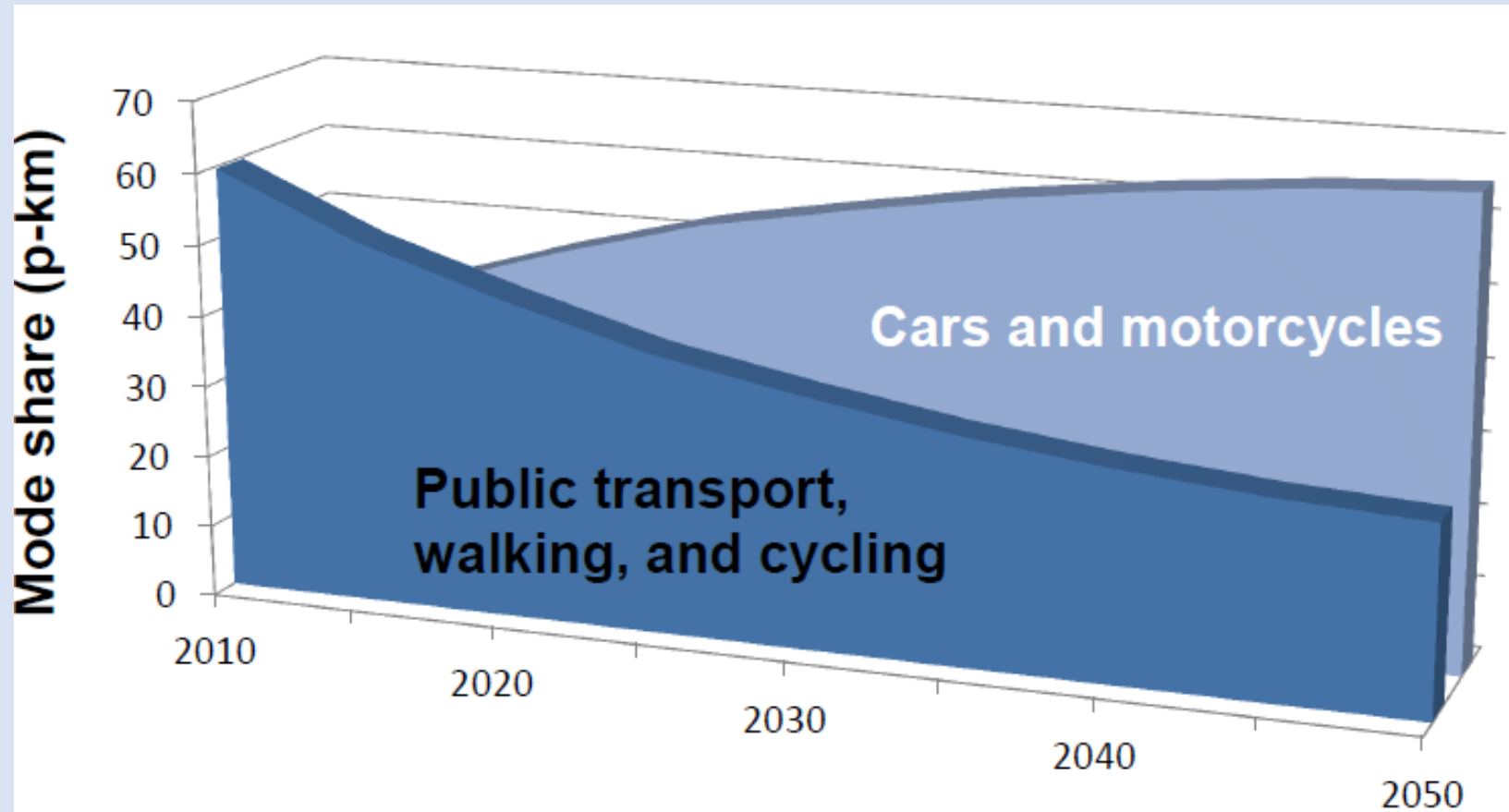
Massive investment needs

- \$2.5 trillion for transport in developing Asia, 2010-20
- Poor countries need basic access, especially rural access
- Others face capacity bottlenecks and constrained logistics
- Asia's rapidly growing cities need urban transport
- Cost of transportation is a major part of economic activity

Extending access, connectivity



Problem of rapid motorization



Source: ADB and IEA, 2011

Congestion



Air pollution



Rising GHG emissions

- Transport is **23%** of global energy-related GHG emissions
- Land transport is **$\frac{3}{4}$** of transport GHG emissions
- Land transport GHG emissions to **double by 2050** based on current trend

Unsafe roads

- **645,000 annual road deaths** and 30 million injuries in developing Asia
- Leading cause of death for 15-44 year olds, 2nd leading cause for 6-14 year olds
- Vulnerable users are 50–75% of deaths
- Costs 2-5% of GDP

Avoid-Shift-Improve Paradigm

Avoid
the need to
travel

Shift
to sustainable
modes

Improve
efficiency of
all modes

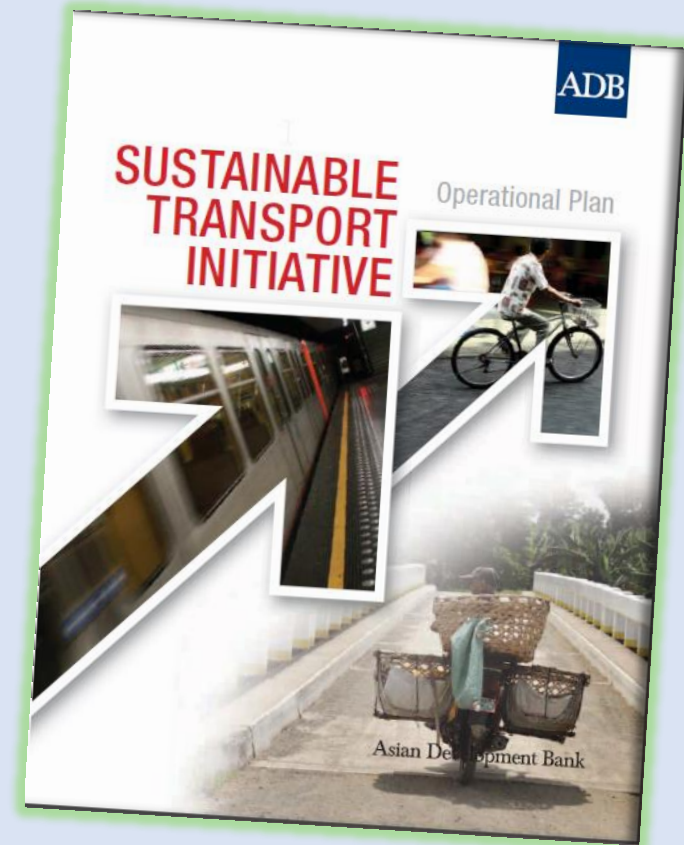


**Lower congestion, emissions,
air pollution, road accidents,
respiratory & health problems**

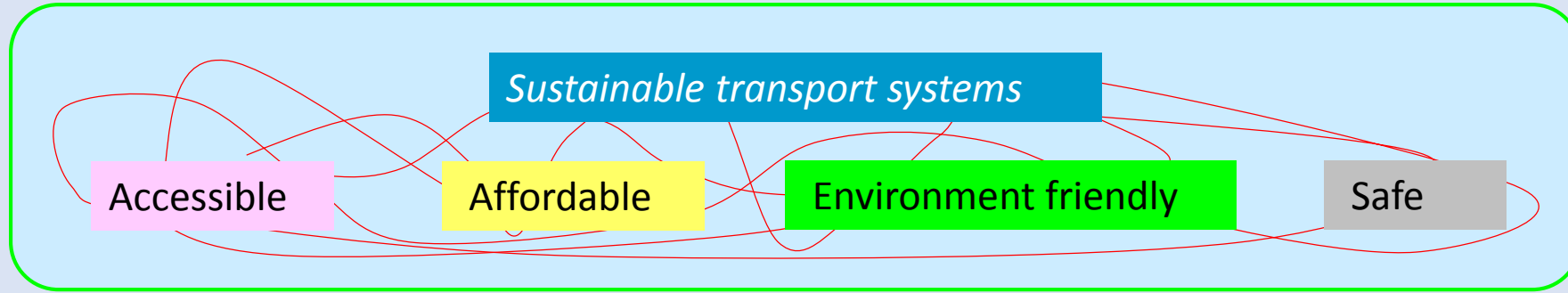
ADB's Sustainable Transport Initiative

- STI approved in 2010
- Aims to transform ADB transport operations
- Covers a 10 year period, 2010-20

- ADB Strategy 2030
- New Operational Plan



STI priorities and targets

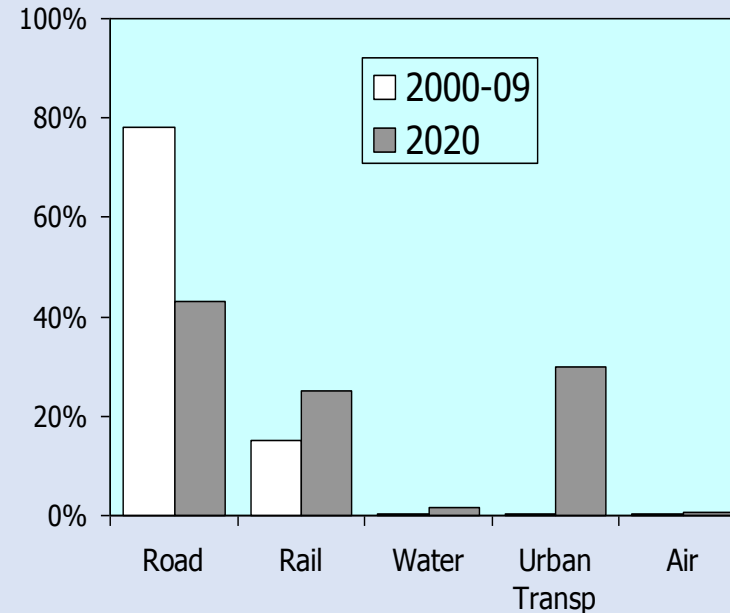


STI lending directions

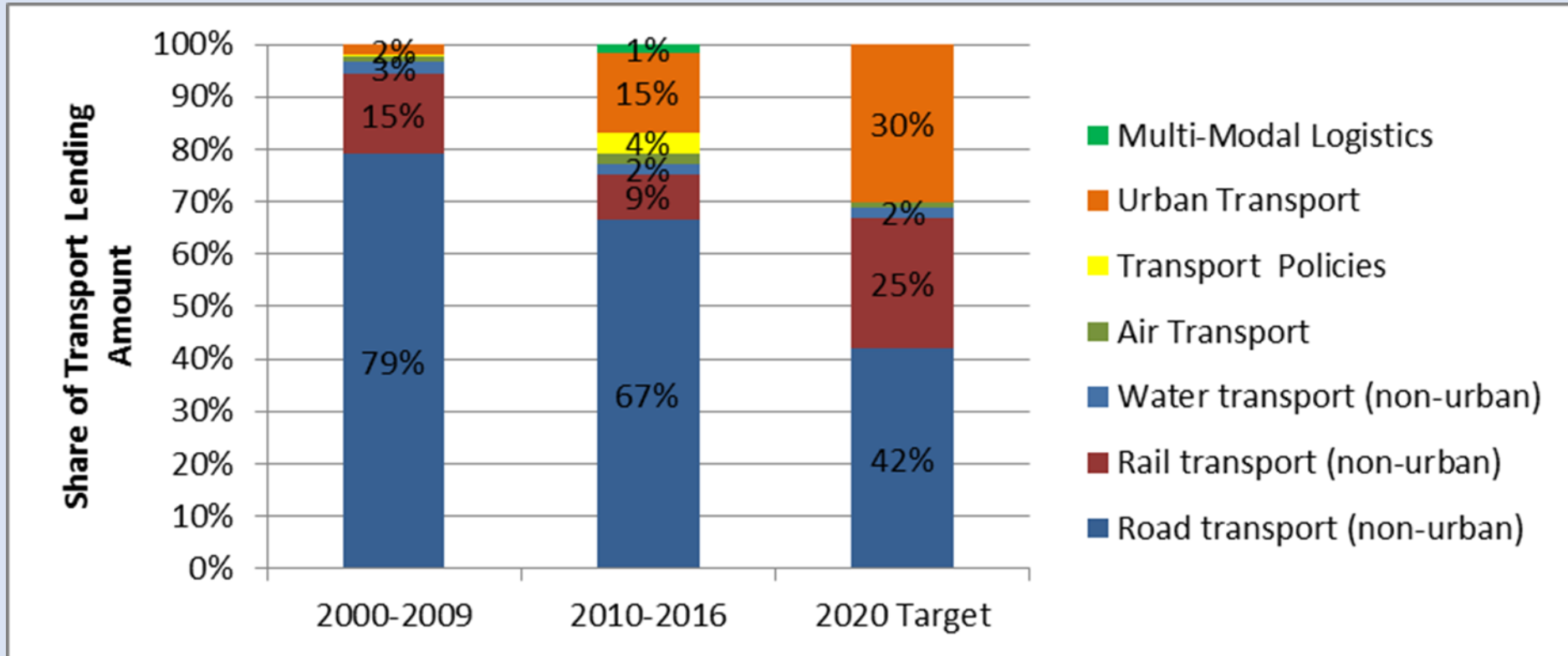
- ▷ Mainstream sustainability in roads
- ▷ Scale up 4 areas

- Urban transport
- Addressing climate change
- Cross-border transport & logistics
- Road safety & social sustainability

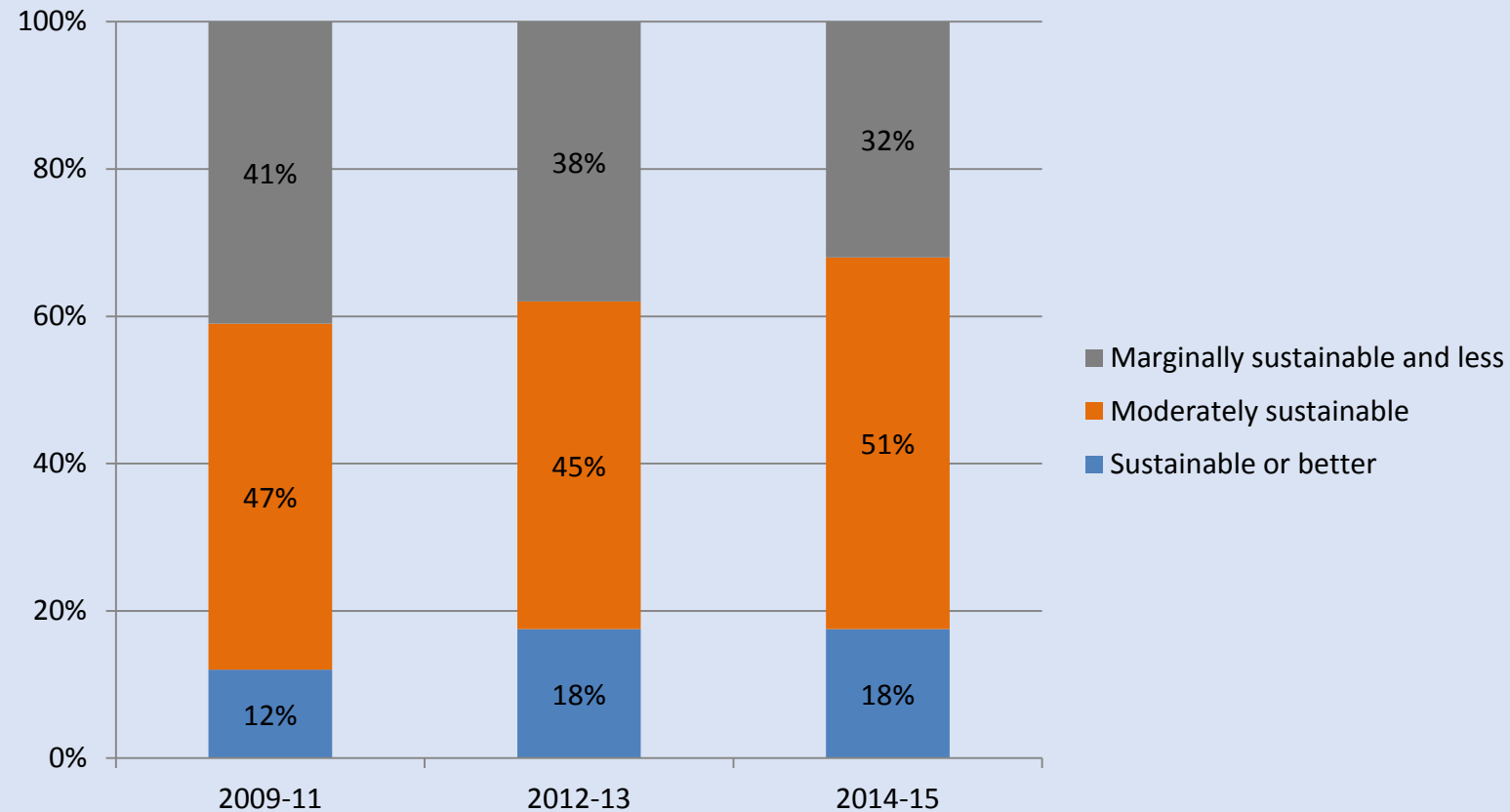
STI subsector lending targets



Progress against STI lending targets



Rated sustainability of transport lending (using STAR)



Thank you!

