

Smarter Freight Movement through Fuel Efficiency

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CLEAN AIR
ASIA



About Clean Air Asia



Mission: to promote better air quality and livable cities by translating knowledge to policies and actions that reduce air pollution and greenhouse gas emissions from transport, energy and other sectors.



Air Quality and Climate Change Program



Low Emissions Urban Development Program



Clean Fuels and Vehicles Program

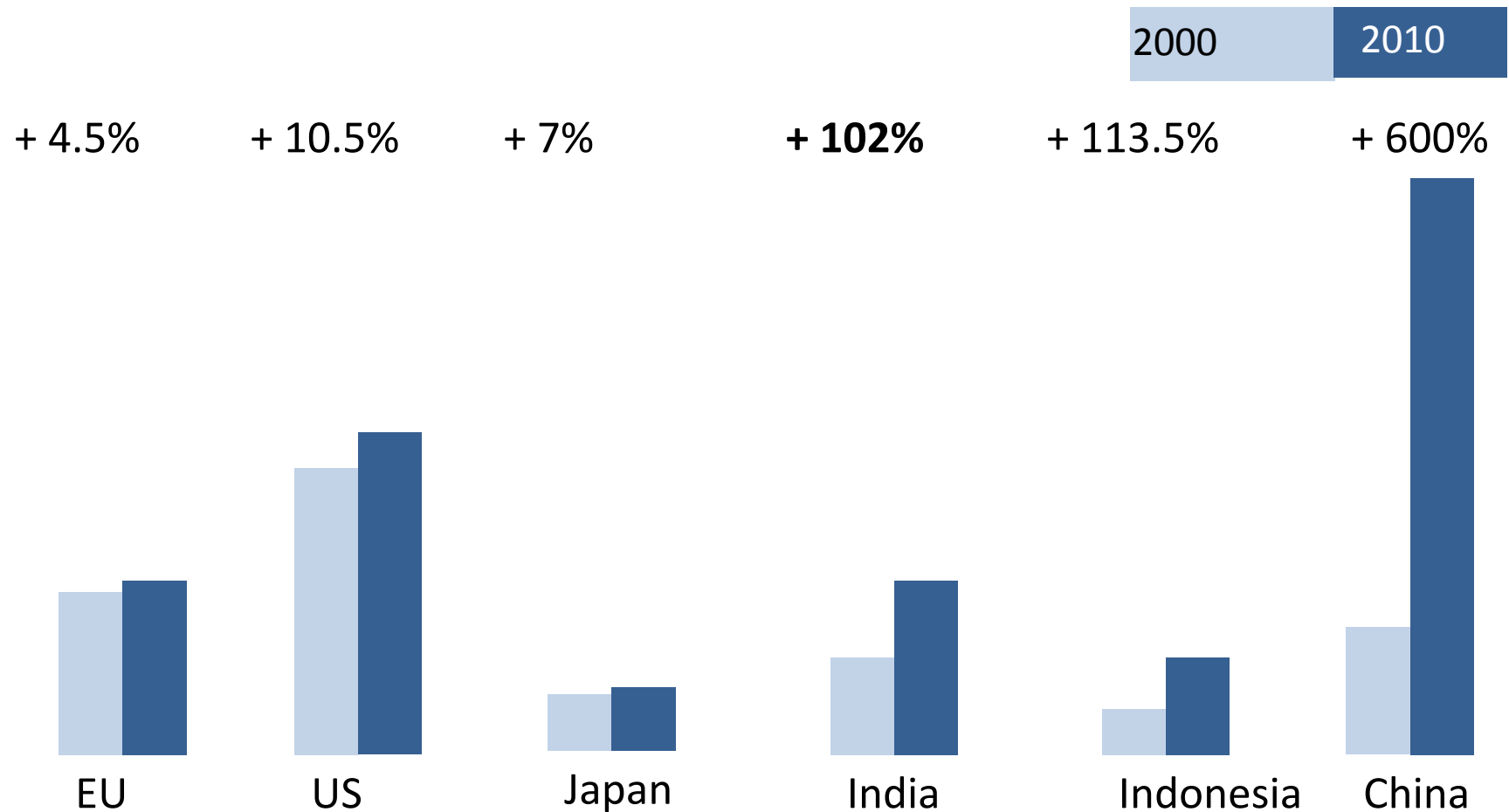


Green Freight and Logistics Program

Growth in Road Freight



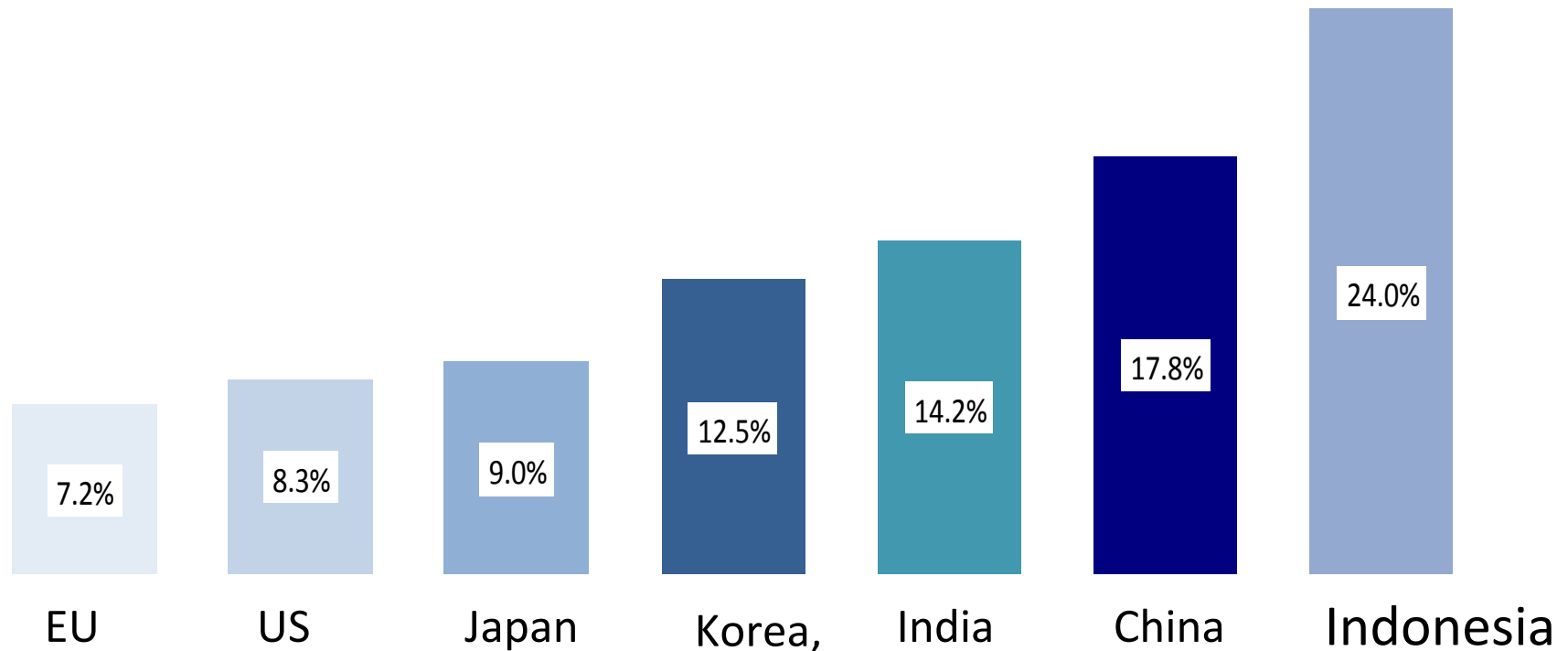
Road freight growth highest in Asia and outpacing rail freight



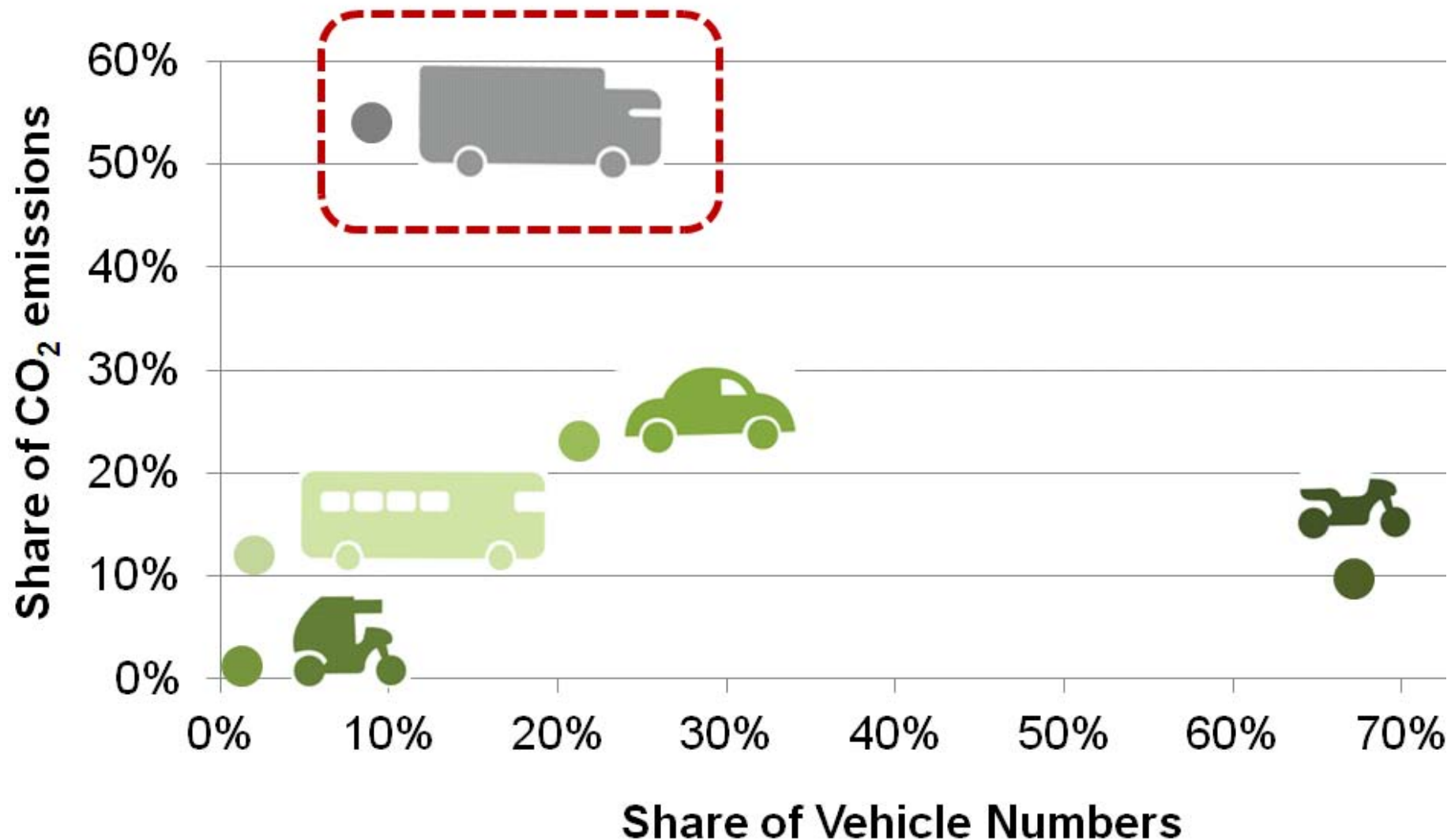
Logistics Cost as Percentage of GDP



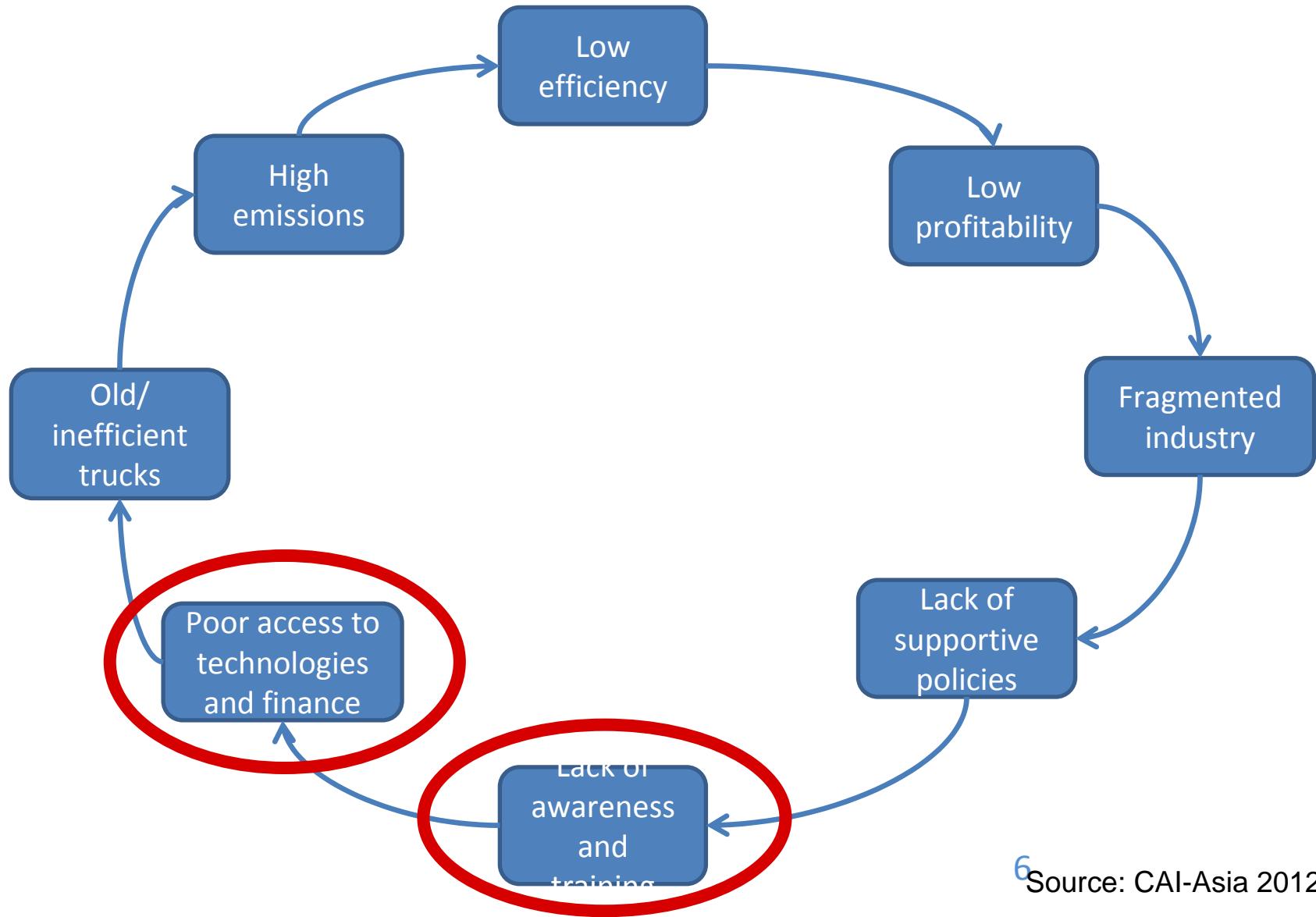
Logistics cost relative to GDP highest in developing Asia: greater risks of fuel security and prices



Diesel trucks large contribution to CO₂ and PM emissions



Breaking the Vicious Cycle in the Road Freight Sector

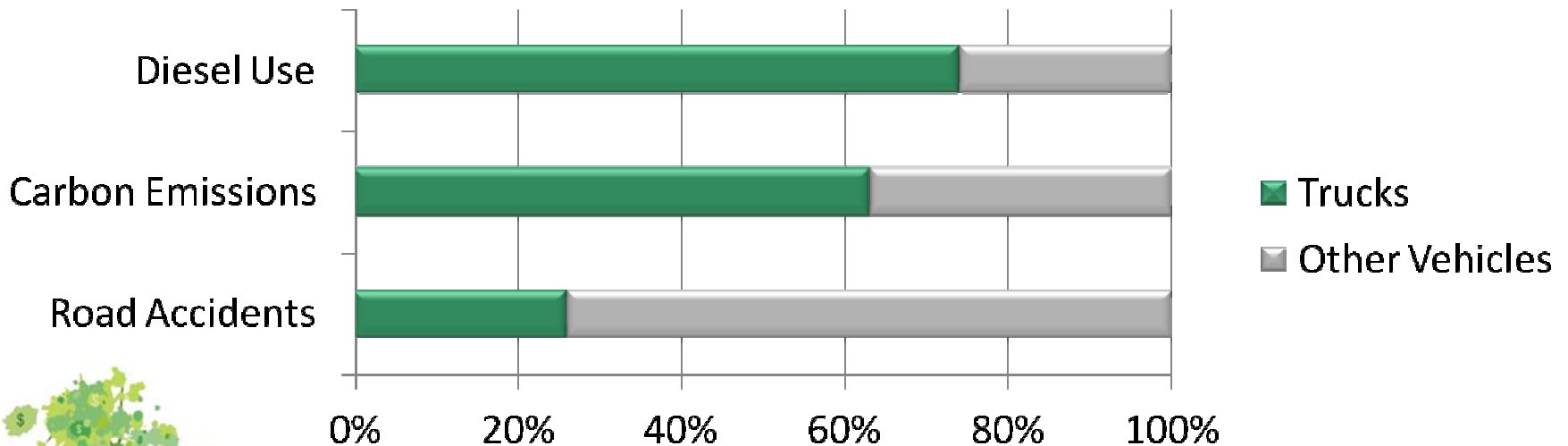


Why save?

Tendency no. 1: High losses due to inefficiencies

In India,

trucks make up only 5% of the vehicle fleet but have a disproportionate contribution to:



**Inefficiencies in the logistics system result in
US\$ 45 billion in additional costs every year!**

Strategies to improve fuel efficiency and reduce emissions

1 Standards and Schemes

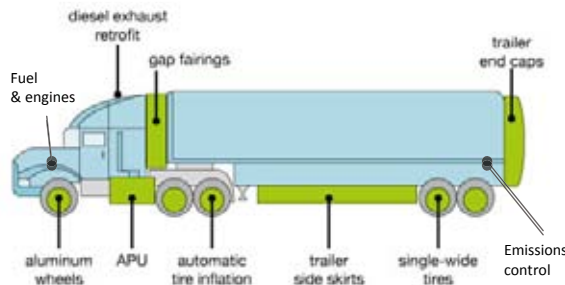
- Fuel and vehicle emissions standards
- Fuel economy standards
- Vehicles labeling schemes

2 Behavior & maintenance

- Inspection and maintenance
- Eco-driving

3 Technologies

- Vehicles
- Engines
- Fuels



4 Fleets

- Fleet renewal / scrappage
- Fleet management
- Improved logistics
- Modal shift

Collaboration on Freight



1 Green freight programs

- Overarching framework for plans, policies and regulations
- Involve and supported by partnerships
- Build on existing efforts
- Harmonized through common components
- Integrate green freight efforts in broader green growth strategy

2 Plans, policies and regulations

- Fuel economy standards
- Fuel quality and emission standards
- Clean fleet management systems
- Freight logistics
- Shift of road freight to rail and water
- Intermodal transfer
- Freight movement in cities
- Road safety program
- HIV/AIDS programs for trucks drivers

3 Methodology and indicators

- Standard methodology for emissions from freight movement
- Standards data and indicators to measure progress of programs, plans, policies and regulations

4 Partnerships

- Private sector
- Development agencies and banks
- NGOs and research institutes
- Other initiatives and partnerships

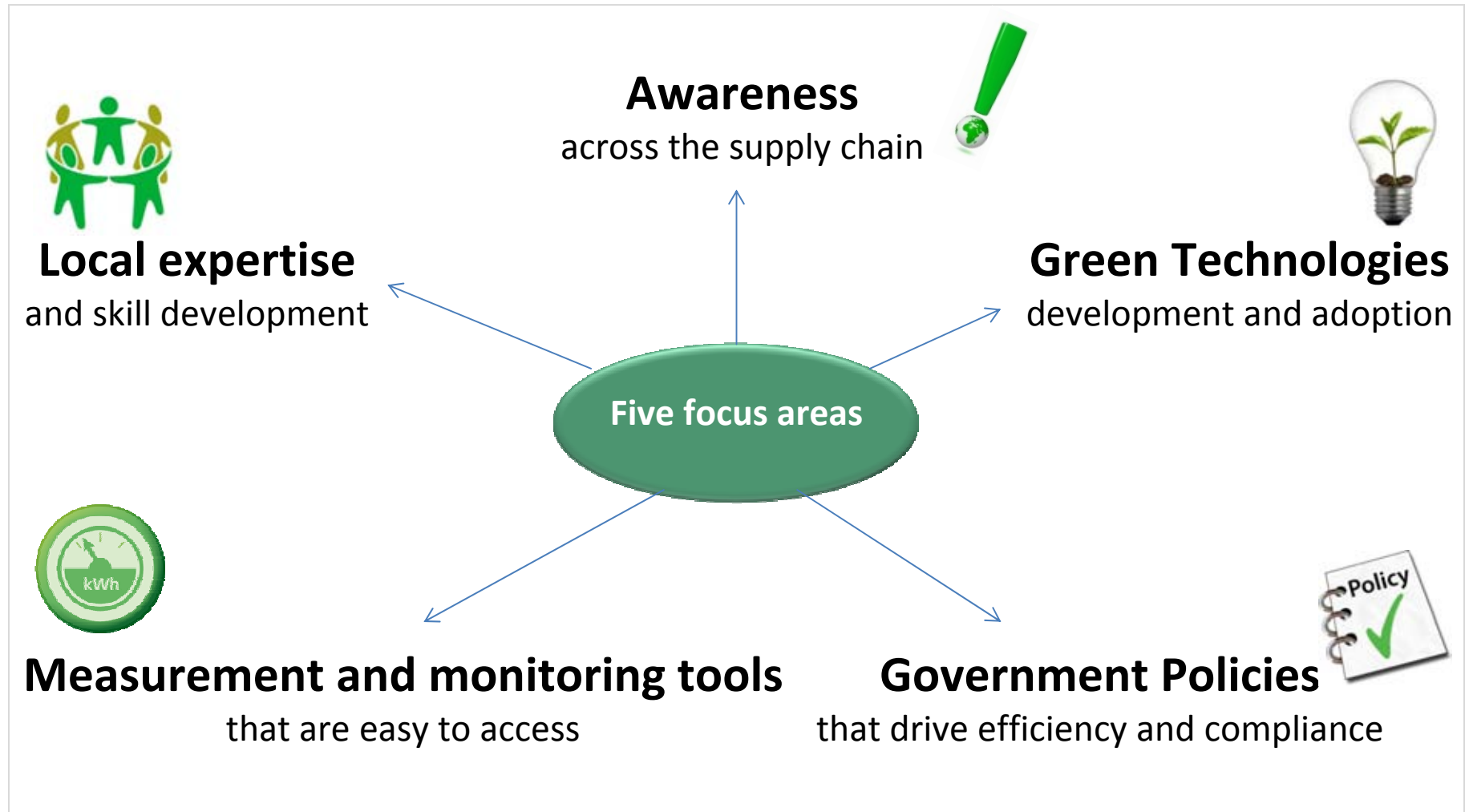
First two workshops in 2012

Discussion of expectations, challenges, focus areas



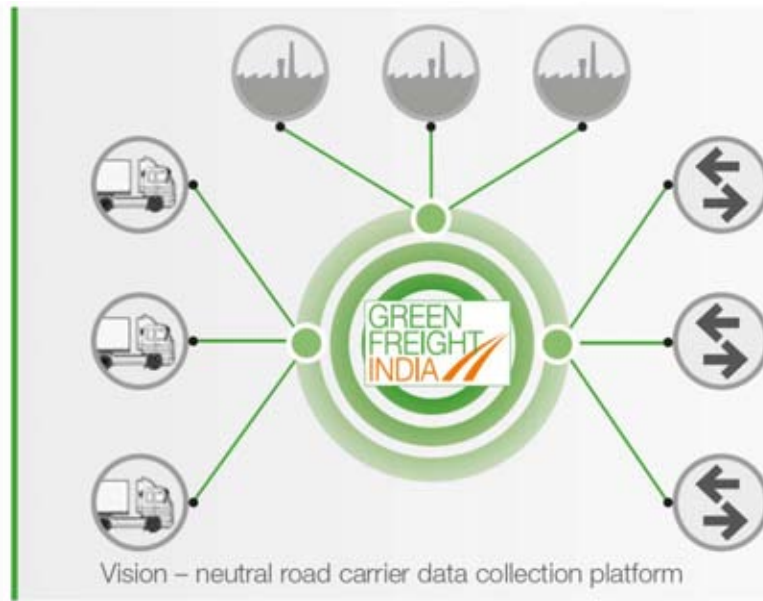
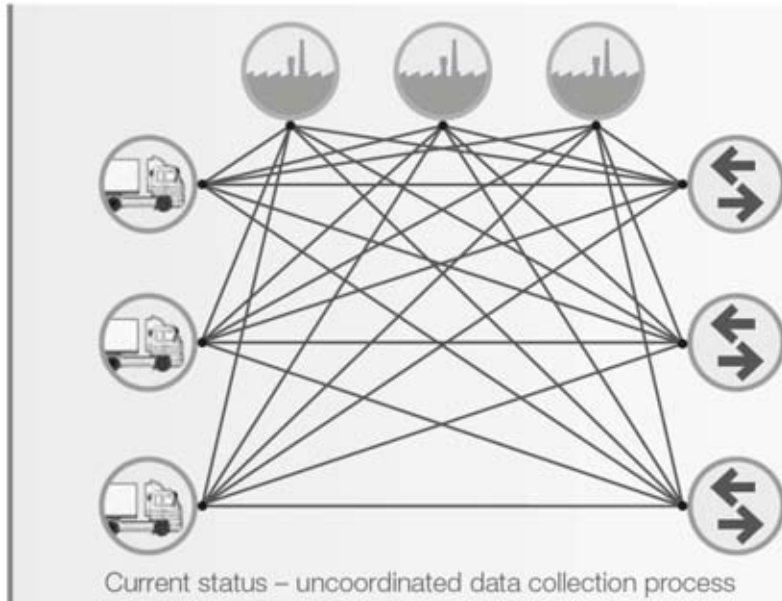
Our vision

Identification of five focus areas



From vision to reality

Establishing a road carrier data collection platform



Save time
with transparency



Save money
with efficiency



Save emissions
with reductions

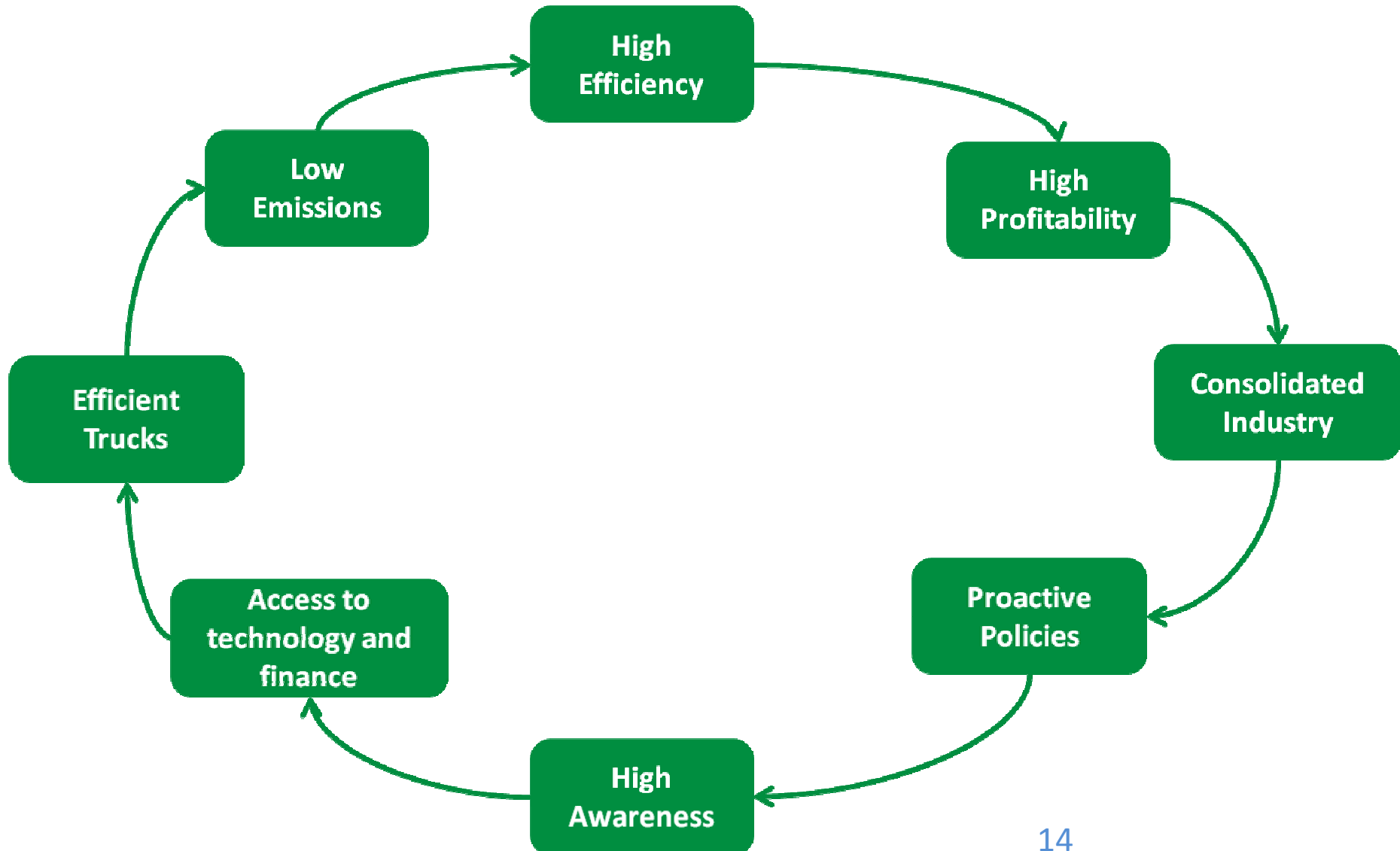


Green Freight programs worldwide

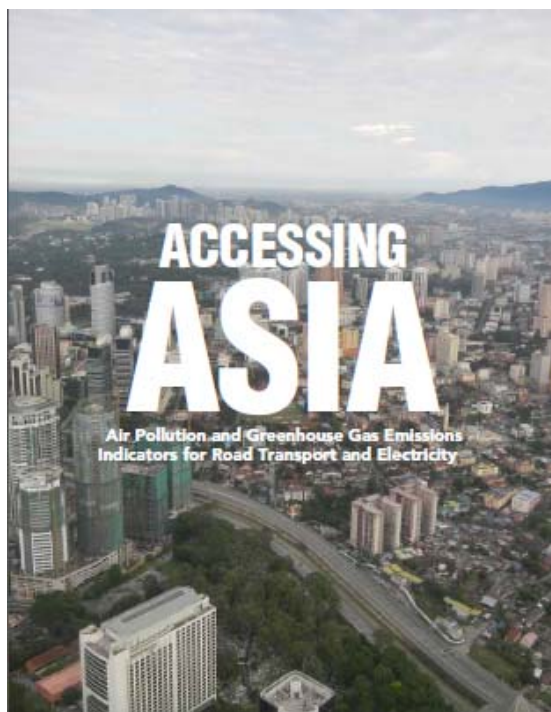
Be part of a worldwide initiative



From Vicious Cycle to Virtuous Cycle



For more information: www.cleanairasia.org



<http://cleanairinitiative.org/portal/node/11573>

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