



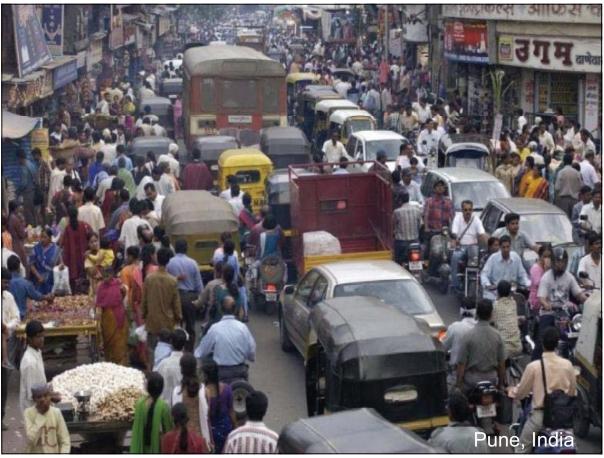
Presentation Outline

- 1. Why is urban transport important now?
- 2. What are the major urban transport challenges in developing cities?
- 3. How does the World Bank help developing cities on urban transport?
- 4. Example Bank-supported projects.
- 5. How can the World Bank support urban transport in Cambodia?

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Why Urban Transport Important









Why is Urban Transport Important?

Increasing use of non-renewal energy - impacting global environment

Severely hampering mobility and accessibility impacting social and economic activities

Urban Transport **Problems**

Increasing pollution impacting health and quality of life

Increasing accidents – impacting safety concerns





2. What are the Major Challenges?

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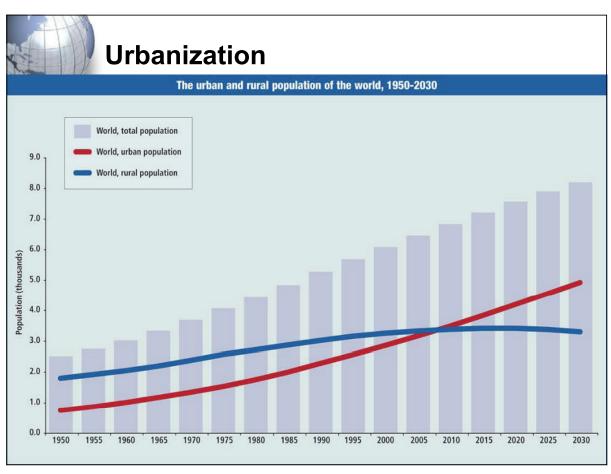


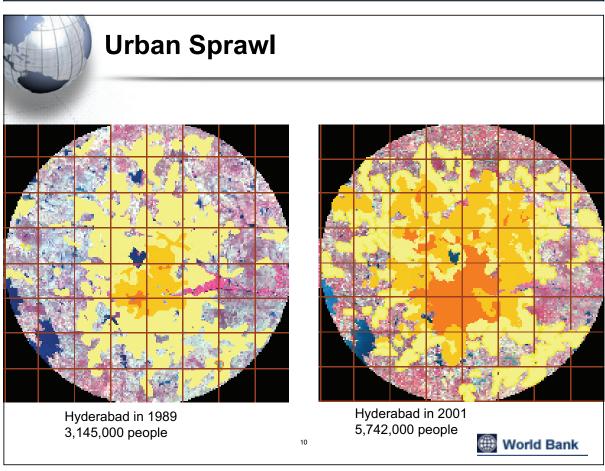


Urban Transport Challenges

- Rapid urbanization
- Increase in motorization
- Low quality public transport
- Lack of hierarchical highway, road and street systems
- Poor non-motorized transport (NMT) infrastructure
- Lack of Resources
 People, Institutions, and \$

World Bank







Lack of Hierarchical Highway/Road/Street Net.

- Freeways, major arterials, little else
- Virtually all trips, regardless of length and mode (e.g., animal carts, pedicabs, bikes, ped.'s) use general traffic lanes on high-level facilities
- Direct connection from arterials to alleys and pedestrian-only paths with nothing in between

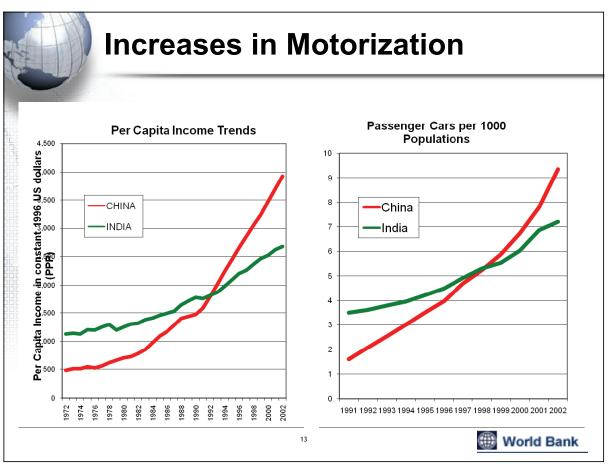


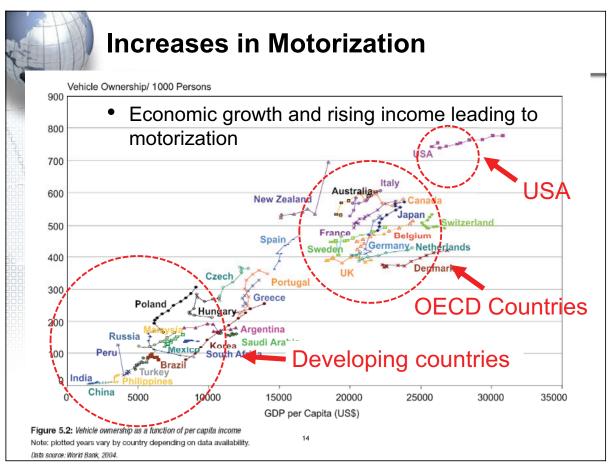














Poor public transport services Accra Accra



Poor, deteriorating NMT infrastructure

Safe pedestrian passing is often missing





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Resources and Institutions

- Lack of essential technical skills in urban transport planning, management and operations
- Lack of experience with market-driven rather than supplydriven instruments/tools
- Fragmented institutional arrangement without effective coordination
- No or poor regulation of public transport services
- Little \$, but drained quickly by expensive "glamour" projects with no or little left for other more cost-effective improvements.
- There is no quick fix for urban transport problems, but sustainable development options are available.





3. Can the World Bank Help, and How?



World Bank Urban Transport Support

- Safe
- Clean
- Affordable





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Focus of World Bank Support

- Policy formulation "get the policy right"
 - □ Diagnostic and analytic work
 - Development of new policies and regulations
- Institutional development support policy implementation
 - □ Structure, authority, capacity
 - □ Processes, instruments
- Investments support policy implementation
 - □ Infrastructure and services
 - □ Development, operation and maintenance

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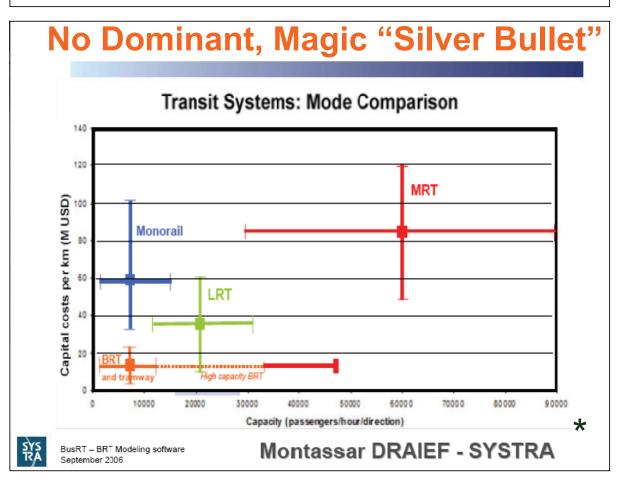


Policy Formulation

- Development of National Policy Framework
- Preparation of Urban Transport Strategies/Plans/Programs
- Integration of transport plans and land use plans
 - support public transport and non-motorized transport-friendly land development
- Regulated Competition for the Bus Industry
 - "Off the street" competition rather than "on the street" competition
 - Clear distinction between government and private sector responsibilities and functions
 - □ Targeting/integrating subsidies
- Sustainable Urban Transport Financing
 - □ e.g., urban transport funds
- Transport Demand Management
 - □ parking and/or congestion fees

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Key to Successful *Metropolitan*Transport Institutions

- Planning/decision-making for all significant public investments in all transport modes
- Authority over strategic operations and management policies
 - e.g., number of actors, levels and types of services,
 pricing, public information, integration of modes and
 services
- Defined and predictable sources of funding
- Formal linkages to land-use and environmental planning
- Formal public/private sector participation
- Sound quantitative basis for decisions





Institutional Development

- Technical assistance/capacity building for establishment and operation of
 - National or city level urban transport authorities.
 - City/metropolitan urban transport planning bodies
 - Lagos LAMATA, Bogota TransMillenio
 - Public transport regulators and operators
 - □ Traffic management units
 - · Traffic engineering, parking, enforcement







Source: ATT



Institutional Development

- Development of inclusive planning process for public participation
- Technical design standards for public transport and nonmotorized transport (PT&NMT)-friendly infrastructure projects
- Pre-investment feasibility studies (integrating with social and environmental assessments)
- Impact monitoring and evaluation
 - □ assessments ("pre" investment)
 - □ evaluations ("post" investment)



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Investments

- Public Transport
 - □ Rehabilitation and Expansion of Public Transport System
 - o stations, passenger interchange terminals, operating/maintenance/storage depots, roads to divert traffic from public transport corridors, non-motorized transport (NMT) access, cleaner and more efficient bus fleets
 - Development of New Public Transport Systems
 - o Regular bus, Bus Rapid Transit (BRT), Metro
- Traffic Management
 - □ Traffic safety measures
 - □ Traffic control, monitoring, enforcement systems
- Non-motorized transport
 - □ Sidewalks, bike tracks and parking facilities, pedestrian crossings, pedestrianonly zones, safety measures



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Investments

- Environmental monitoring facilities & equipment
 - urban air pollution, vehicle emissions
- Urban road infrastructure
 - Rehabilitation and maintenance of existing roads
 - Development of new urban roads
 - o secondary streets
 - o (conditional) ring roads or arterial roads
- Integrated public transport corridor improvement

public transport, NMT, roads, safety, traffic management





Urban Transport Team in World Bank

- 150+ transport specialists from around the globe
 - □ Technical experts
 - □ Former senior-level policy makers
- Urban transport program started in early 1970s
- Growing portfolio
 - ☐ About \$250- 500 million/year in the past 5 years
 - □ \$3.5 billion (including IBRD, IDA and grant) proposed for the next 3 years, spreading to 25 countries

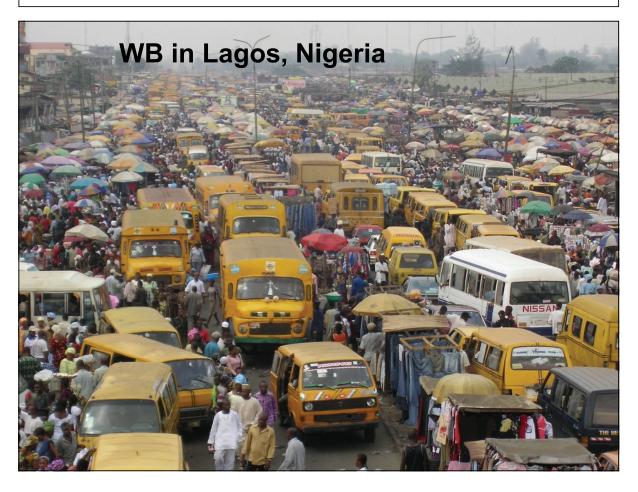




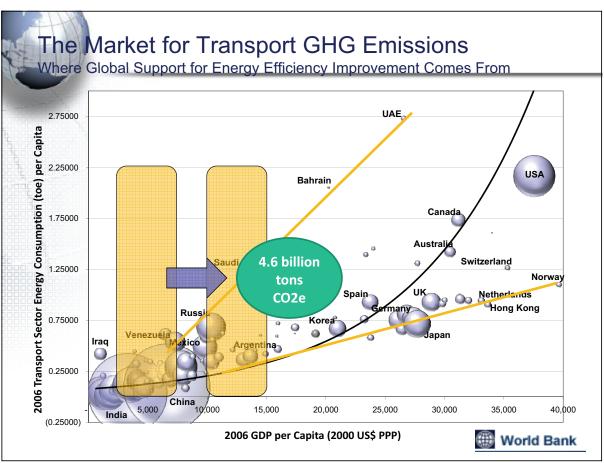
But Bank resource is limited...

- World Bank cannot do it alone...
 - □ Cooperation with multi- and bilateral development banks, e.g., ADB
 - □ Donors, e.g., JICA, AFD, DFID, AusAID, etc
 - □ GEF and UN agencies
 - □ international and local professional NGOs
- Most importantly, partnership with national and local governments
- Bank support focusing on
 - □ Demonstration of cost-effective sustainable urban transport options
 - Development of long term municipal financing mechanisms









Climate-Based Finance

porting Transport GHG Mitigation (Energy Efficiency Improvement)

- Project-Based
 - □ Clean Development Mechanism
- Sector and City-Based
 - □ Clean Development Mechanism PoAs
 - □ Clean Technology Fund
 - □ Carbon Partnership Facility
 - □ Global Environment Facility (GEF-4)



