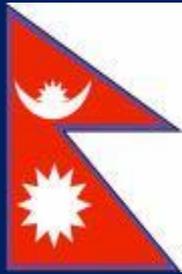




# Fifth Regional Environmentally Sustainable Transport (EST) Forum (23-25 August 2010, Bangkok, Thailand)

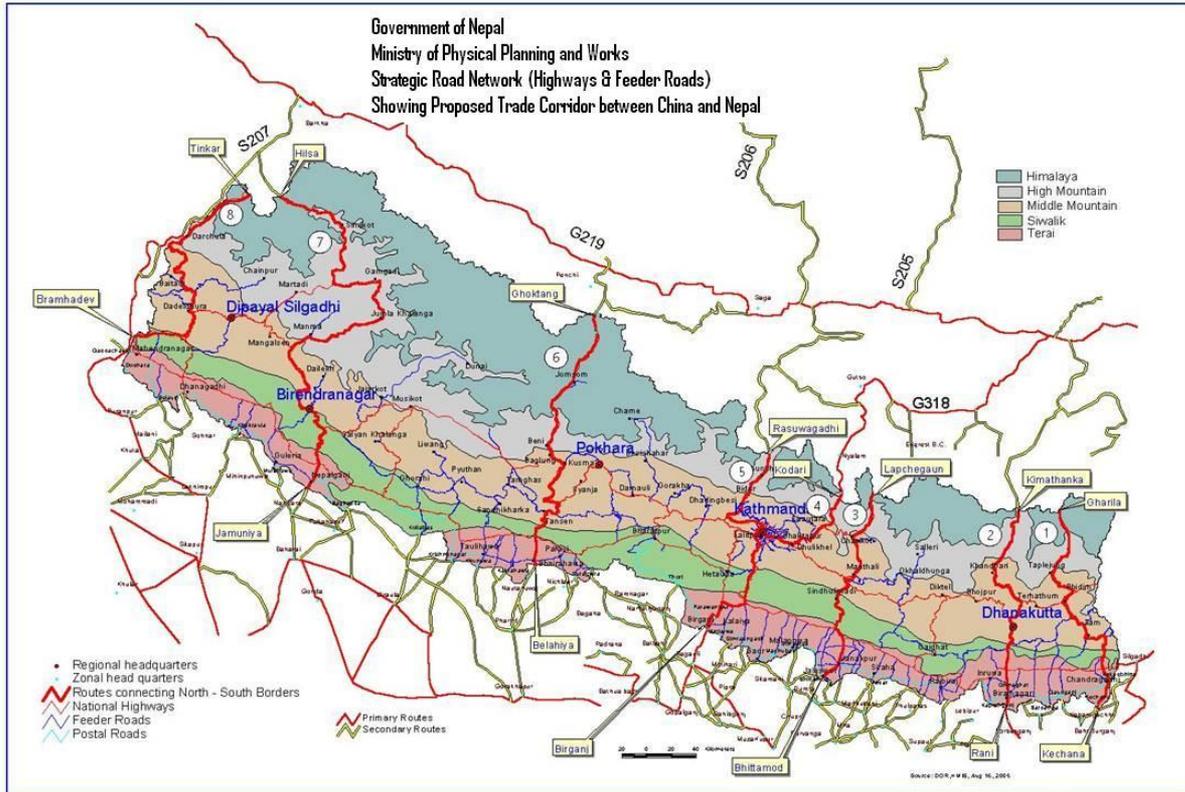
## Country Report NEPAL





Total Area	147181 Sq Km		
Population	26.2 Million		
Rural population	88%		
Urban	12%		
Geographical Division		Land	Population
Himalayan region		35%	7.45%
Hills and Mountain		42%	44.46%
Low land Terai	23%	47.49%	

# FACTS ABOUT NEPAL

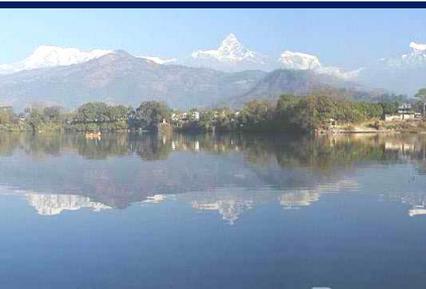


GDP US \$ 470 per capita

## Administrative

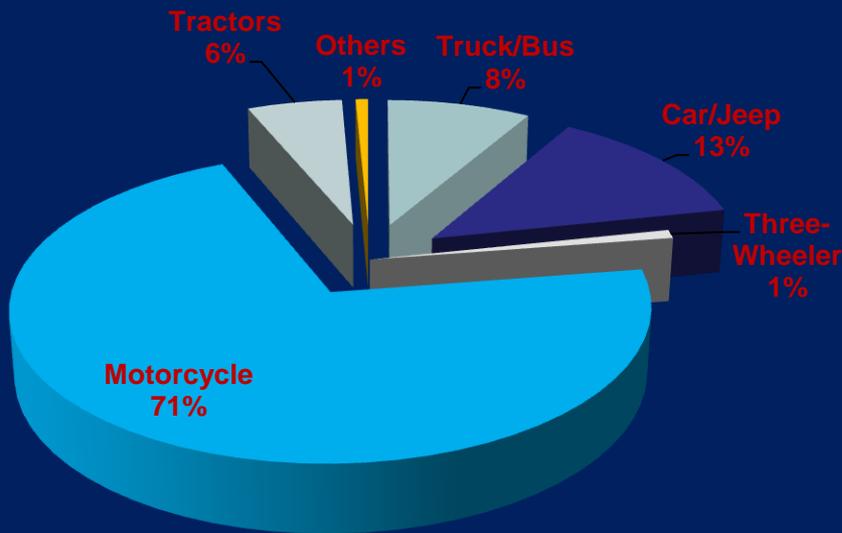
5 Regions & 75 Districts

Road Class	Length Km	Description	Respective Network
National Highways	9000	The Main Arterial Route	Department of Roads
Feeder Roads		Important more Localized	
District Roads	12000	Connecting Group of Villages	District Development Committee
Urban Roads	2300	Municipal Boundary	Municipality
Villages Roads	>20,000	Non-through roads	Village Development Committee <sup>3</sup>



# VEHICLE COMPOSITION & GROWTH

## Vehicle Composition as of 2009



## Vehicle Growth

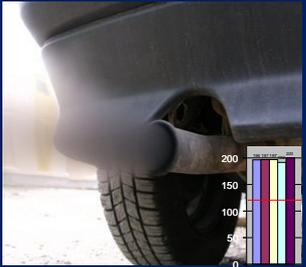


■ Bus/Truck ■ Car/Jeep ■ Mcycle

# KATHMANDU MOBILITY - At a Glance



Disorganized Public Transport  
Inequitable Sharing



Worsening Air Quality  
Demand for Capacity



Unrestricted Vehicle Movement

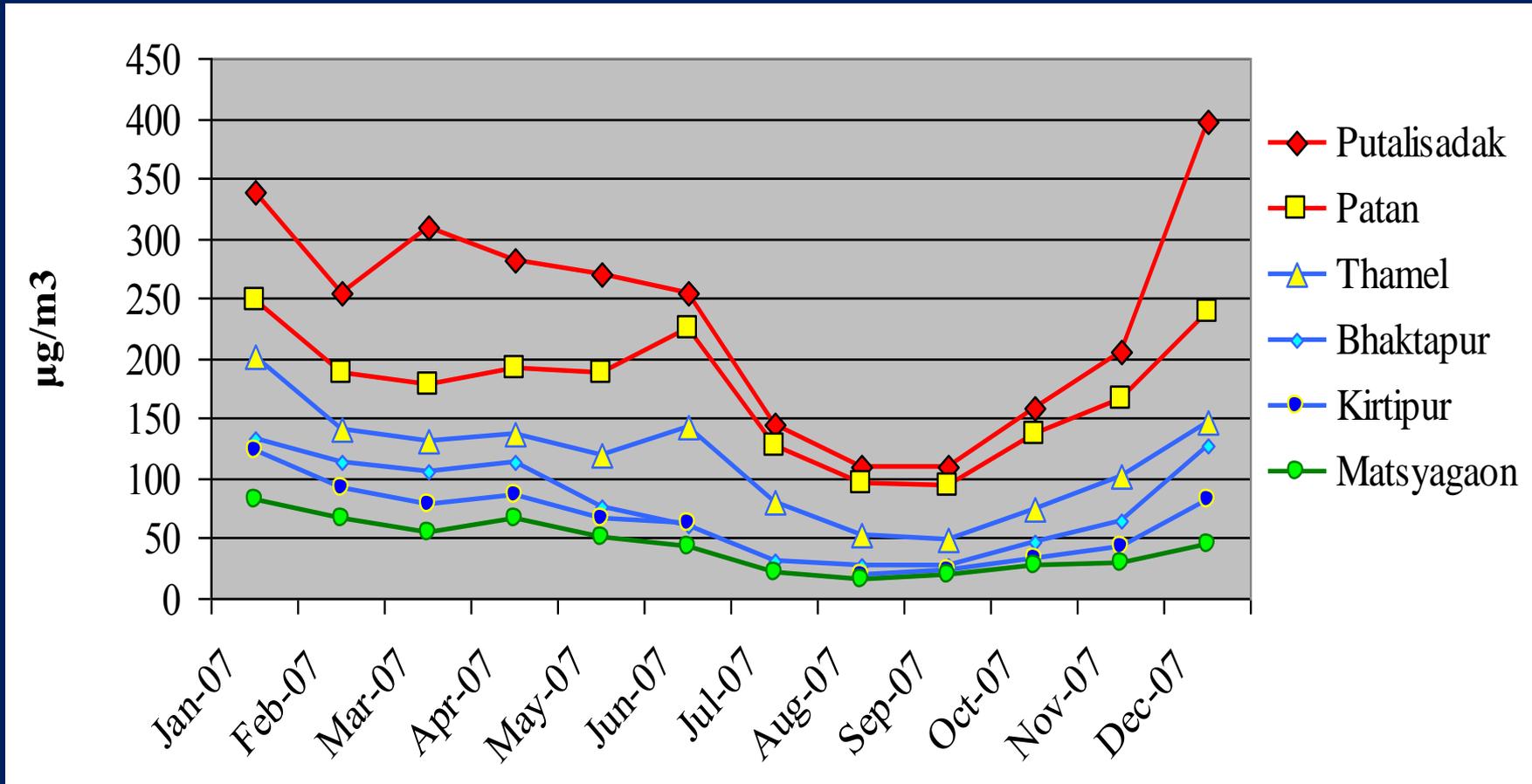
Chaotic & Congested Traffic



Private Investment: Public Transport

Underlying fact

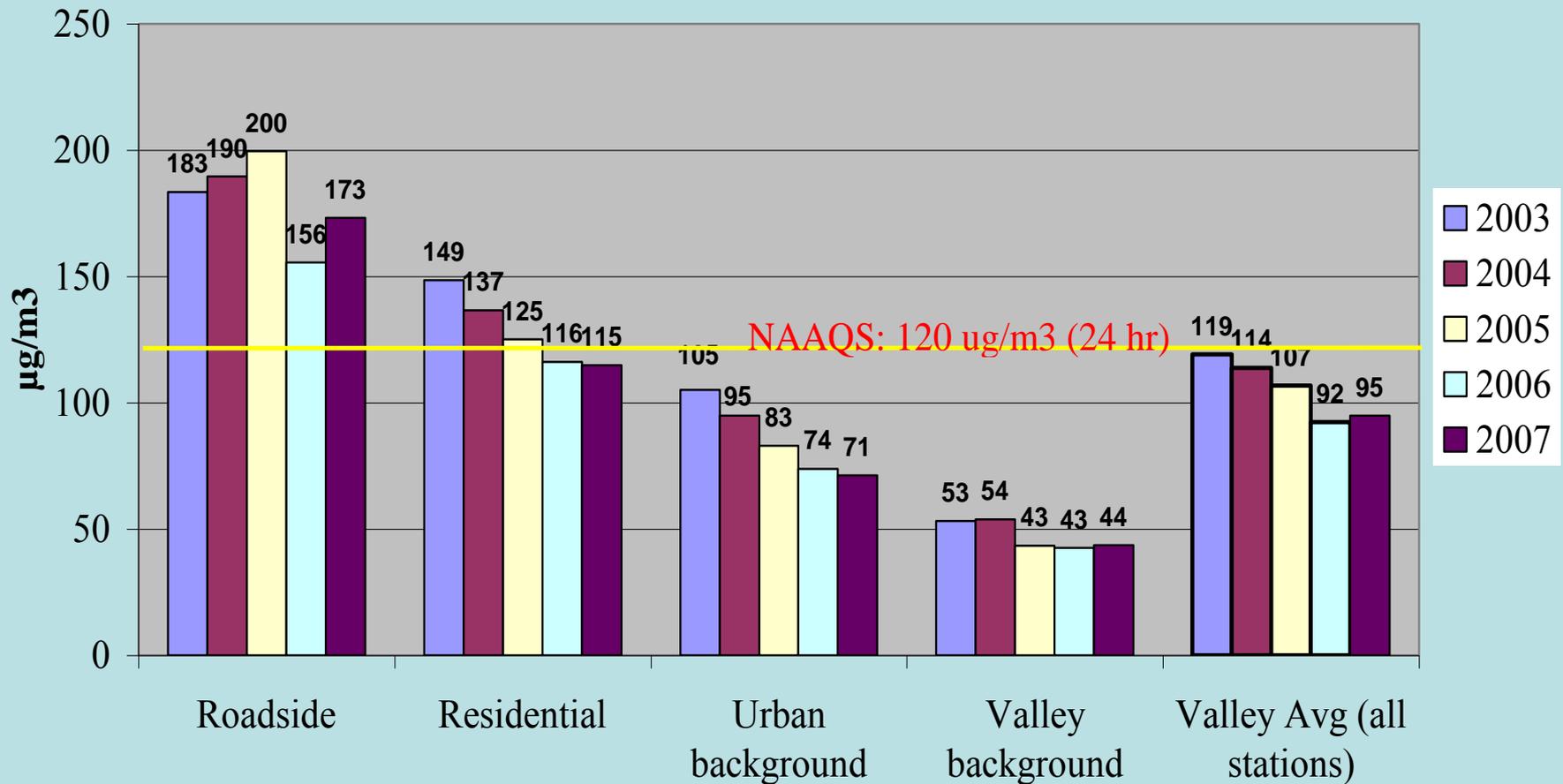
# AIR QUALITY MONITORING DATA



PM10: Monthly Average

Source: Ambient Air Quality of Kathmandu Valley, MOEST, 2007

# AIR QUALITY MONITORING DATA



PM10: Comparison of Annual Average

# CHALLENGES TO EST

- Vehicle Increase – 13 % per annum
- Share of Private Owned Vehicles - Increasing
- Extending Urban Sprawl
- Public Transport
  - Profitable but not Sustainable
  - Not Inclusive
- Fossil Fuel Dependent Transport System
  - Quality Regulation

# CHALLENGES TO EST

- Vehicle Maintenance – low priority
- Non-Motorized Transport – Non Existent
- Transport – Major Contributor to GHE
- Transport Management - Weak
  - Weak Monitoring
  - Regulation
- Public Transport – Private Finance
- Public Health

# CURRENT ACTIVITIES

- Strengthening Transport Management Activities
  - Traffic Management
  - Organizing Public Transport
- Pedestrianisation: Historical Areas
- Study for Re-introduction and Extension of Electric Trolley in Kathmandu Valley
- Feasibility Study of East West and Kathmandu – Pokhara Electric Railway

# CURRENT ACTIVITIES

- Strengthening Air Quality Monitoring System
  - Ambient Air Quality Standards Upgrading
  - Outsourcing of Air Quality Monitoring
  - Vehicle Emission Standards – Upgrading
  - Fuel Quality – Revision
- Replacement of Old Vehicles
- Upgrading of Public Transport
  - Low Emission
  - Zero Emission

# CURRENT ACTIVITIES

- Dedicated Funding for Road Maintenance: Roads Board Nepal
- Kathmandu Sustainable Urban Transport: Support under Grant/Loan Financing of ADB
  - ✓ Experimentation with 2 Pilot Routes – Public Transport
  - ✓ GEF funding for Upgrading Public Transport Fleet
  - ✓ Traffic Management Support
  - ✓ Rationalization of Public Transport Routes

# WAY FORWARD

- Ensuring Adequate Fund for Road Maintenance
- Incentives/Promotion/Upgrading – Public Transport System
- Appropriate Organizational Set Up and Affiliation of Transport Management
- Revision of “National Transport Policy”
- Ensuring Support for Developing Mass rapid Transit System

# WAY FORWARD

- Capacity Development of Respective Institutions
- Improve Transport Inclusiveness
- Strengthening Periodic Plans of Municipalities – Effective Land Use
- Sustainable Air Quality Monitoring Mechanism – Extending Coverage

Thank You