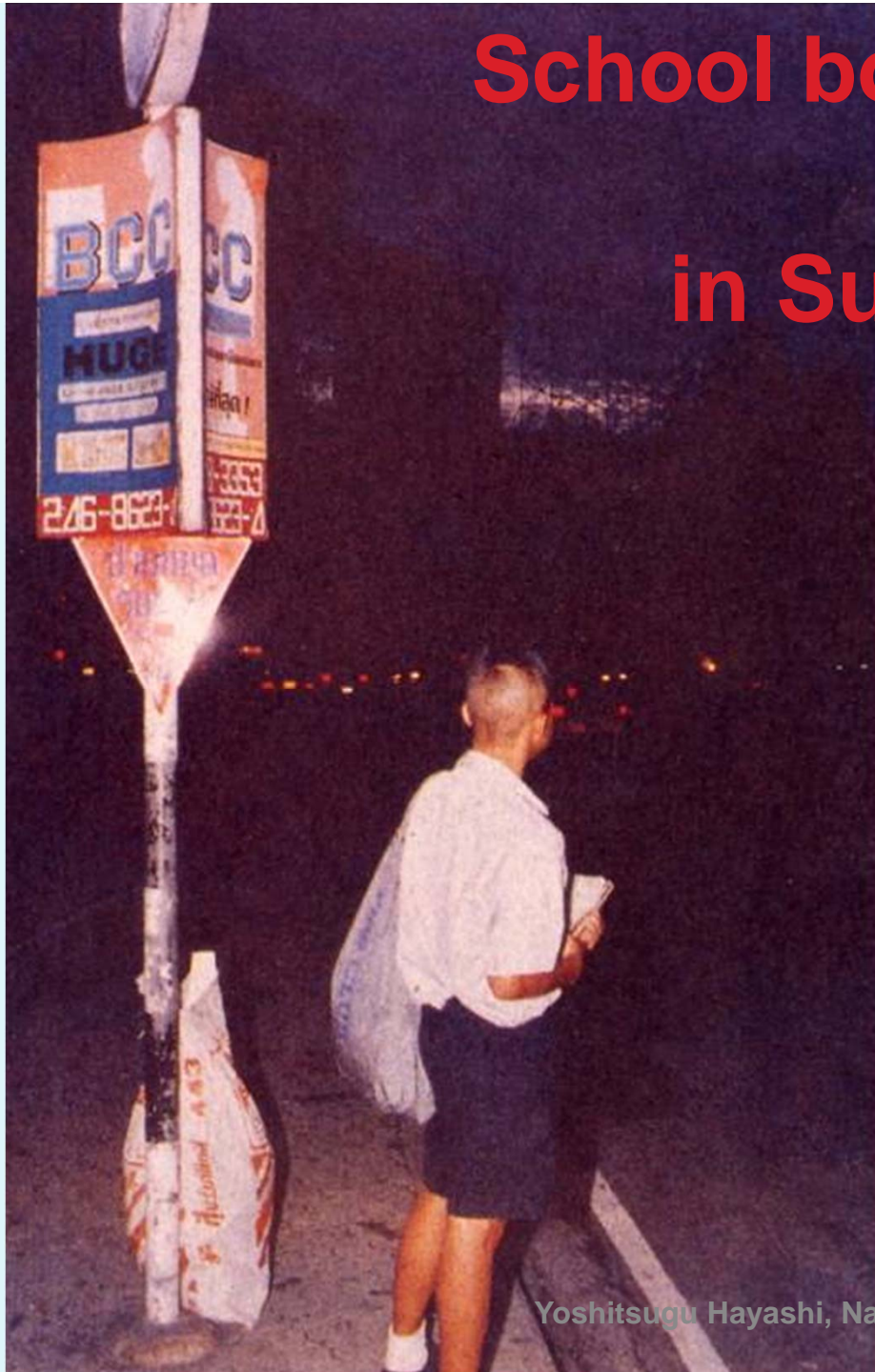


**SCJ Conference on Science and Technology for Sustainability 2011  
14 September 2011, Kyoto**

**Sustainability of Asia:  
Economic Development, Urbanization,  
Lowering Birth Rate/Aging and  
Climate Change**

**Yoshitsugu Hayashi  
Director, International Research Center for Sustainable Transport and Cities  
Nagoya University**

# School boy waiting for bus at 4:30 am in Suburb of Bangkok



Yoshitsugu Hayashi, Nagoya University

Bangkok  
Post  
4 Sept  
1993 2

# Slower than walkers in Sukunvit Rd, Bangkok



Photo by Hayashi(1993)

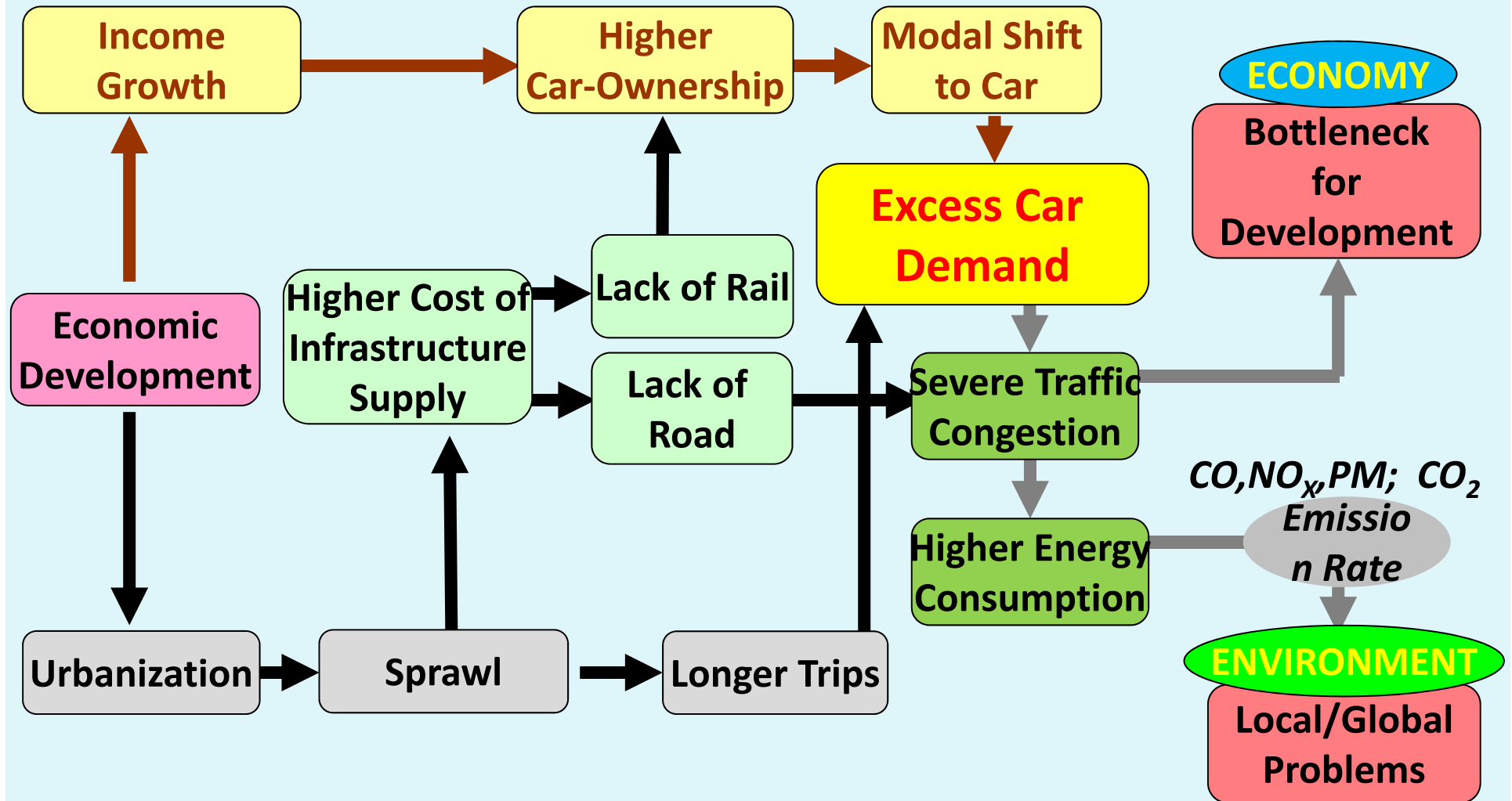
# Mumbai Suburban Train



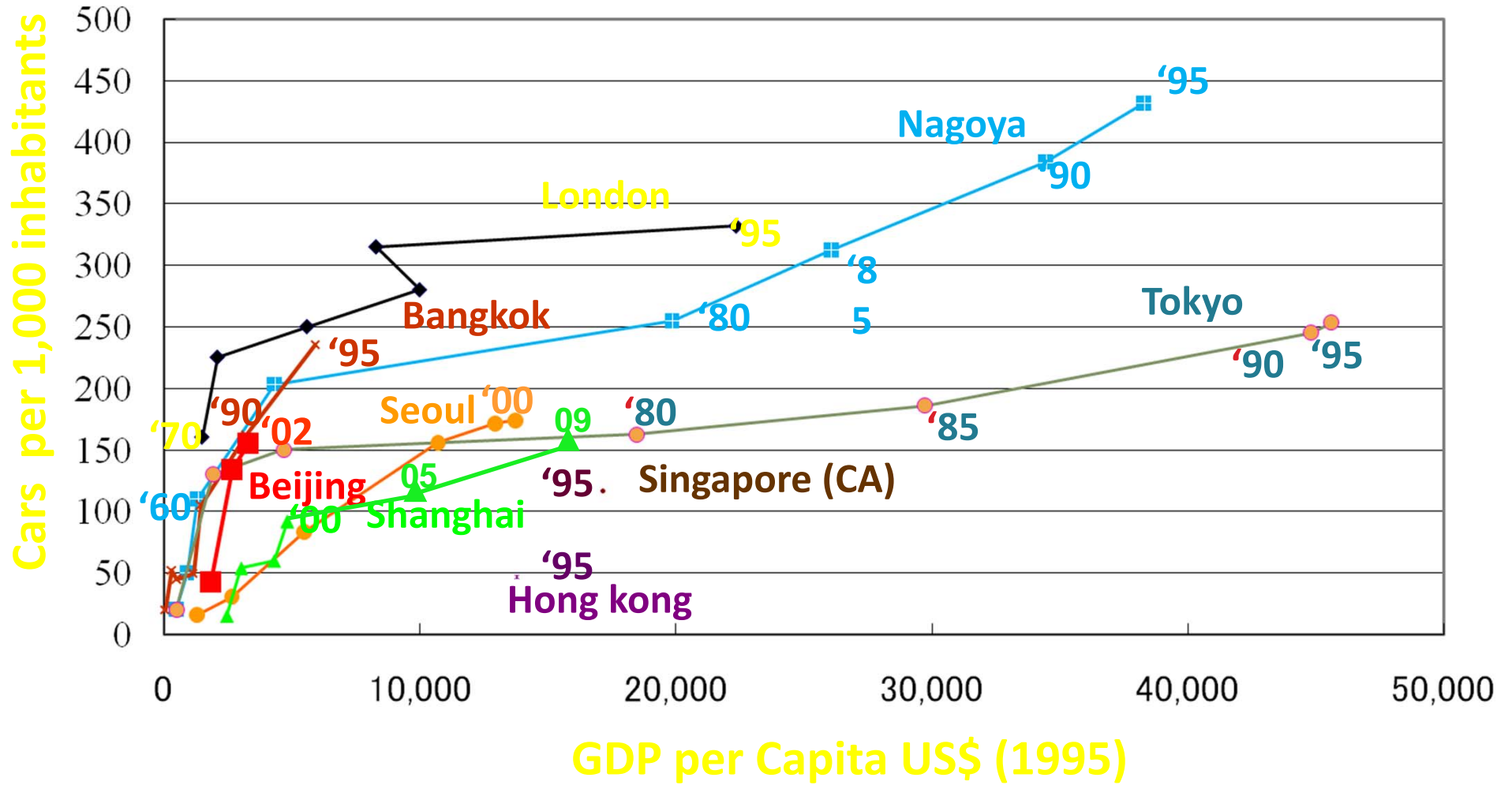
Photo by Krishna Rao

# Diagnosis of Interactions between Urbanisation and Motorization

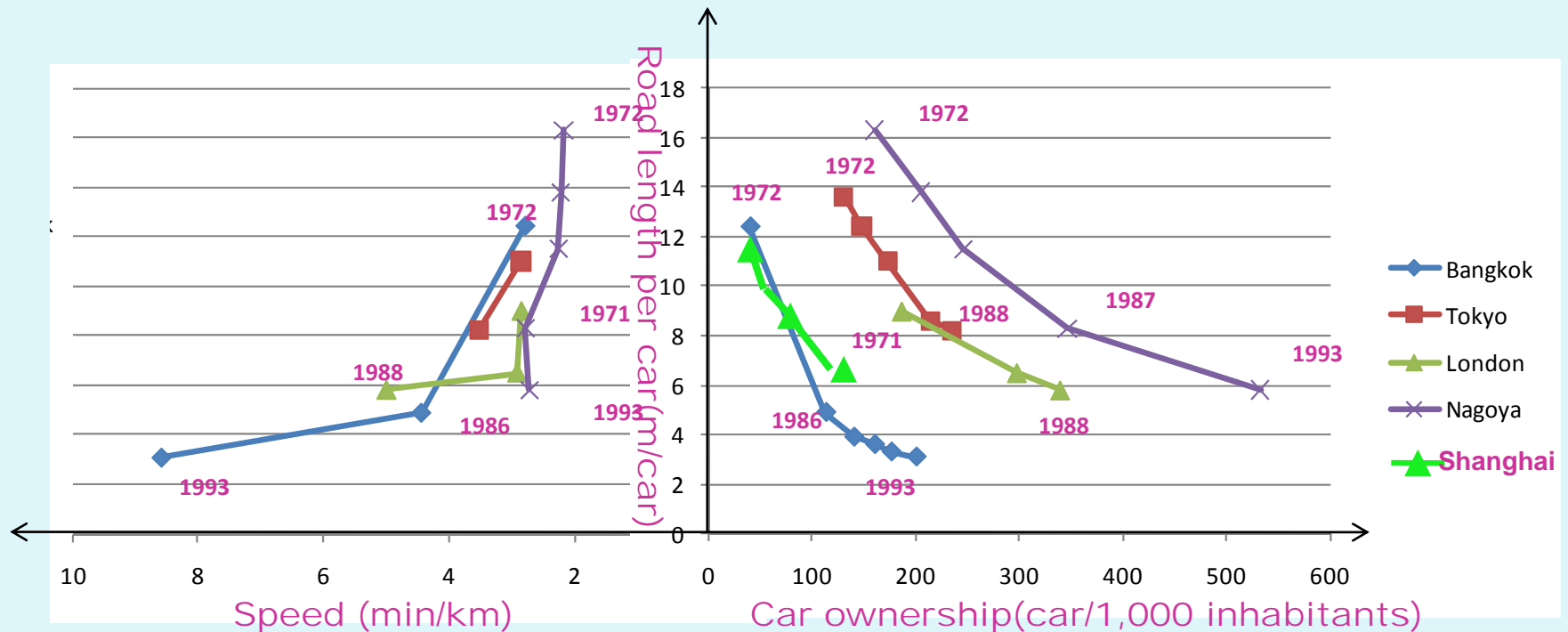
# Basic Mechanism of Urbanization and Motorisation



# Car Ownership

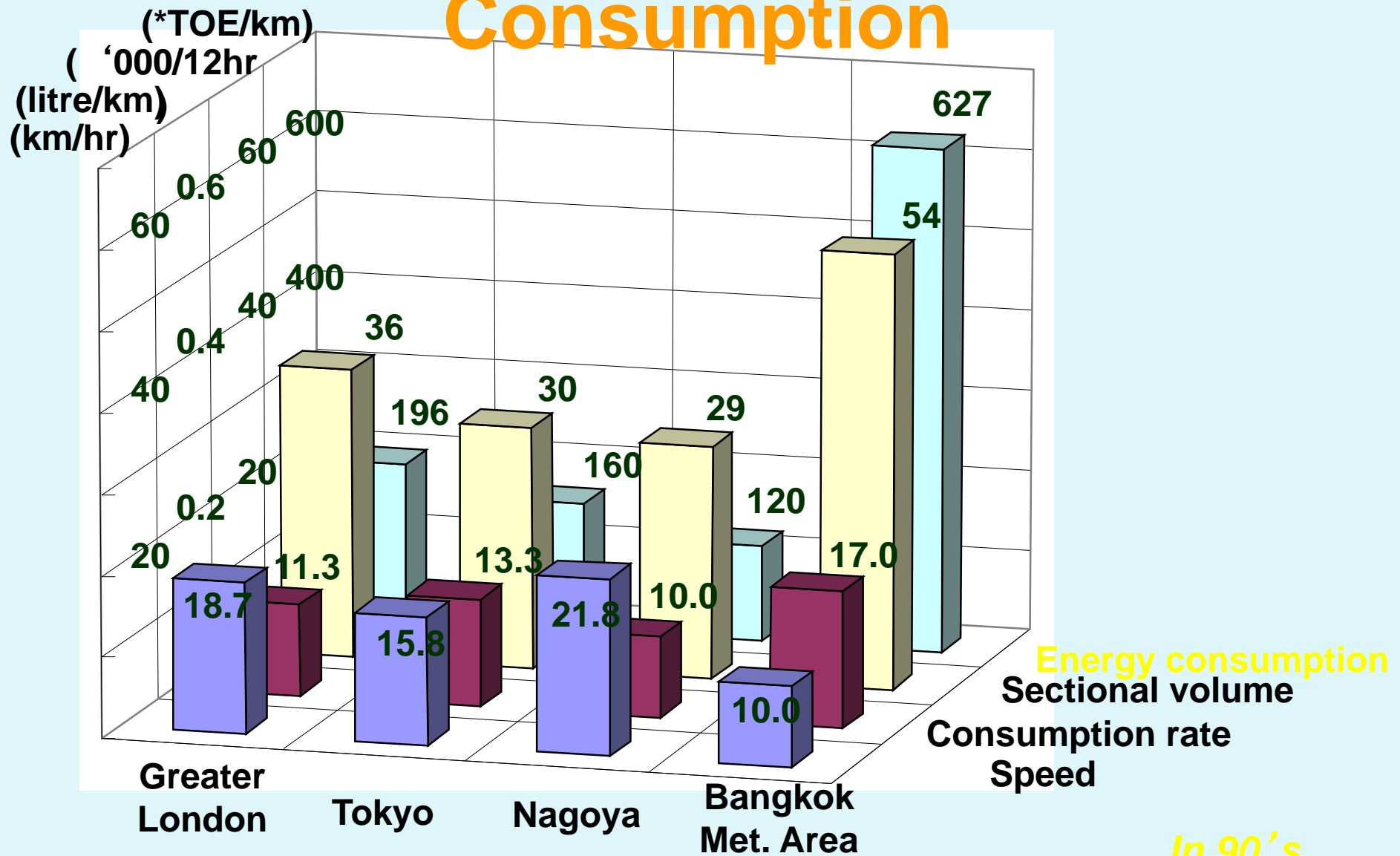


# Road Infrastructure Supply vs. Motorization Level vs. Peak Hour Speed





# Congestion and Energy Consumption



*In 90's*

# Basic Mechanism of Urbanization and Motorisation

