

Sustainable Transport in the Asia Pacific: Challenges and Opportunities for its Cities

**CityNet Working Session 3. People to People
Mobility**

3rd ASEAN MAYORS' FORUM

July 26, 2017

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Urban Transport experience

- Walking and NMT– up to 1900
- Shift towards public transport (bus, trams, rickshaws) but NMT still dominant 1900 – 1945
- Emergence of individual mobility, first 4 wheels and then 2 wheels, for privileged few 1945 – 1975
- Expansion of individual mobility while maintaining broad based public transport 1975-1990
- Explosion of private transport, neglect of public transport systems 1990 – 2005
- Re-emerging interest in public transport 2005 –

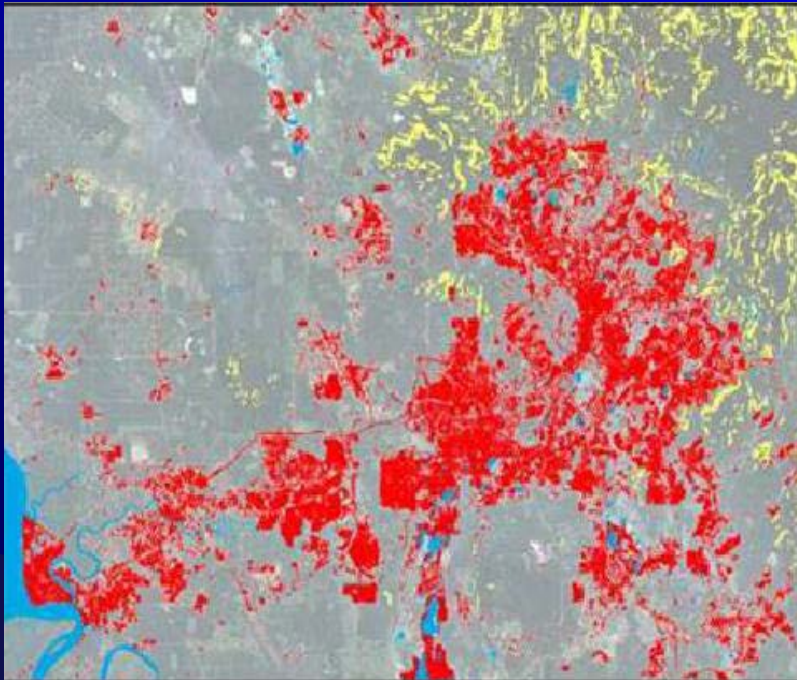


Challenges: Cities are Growing

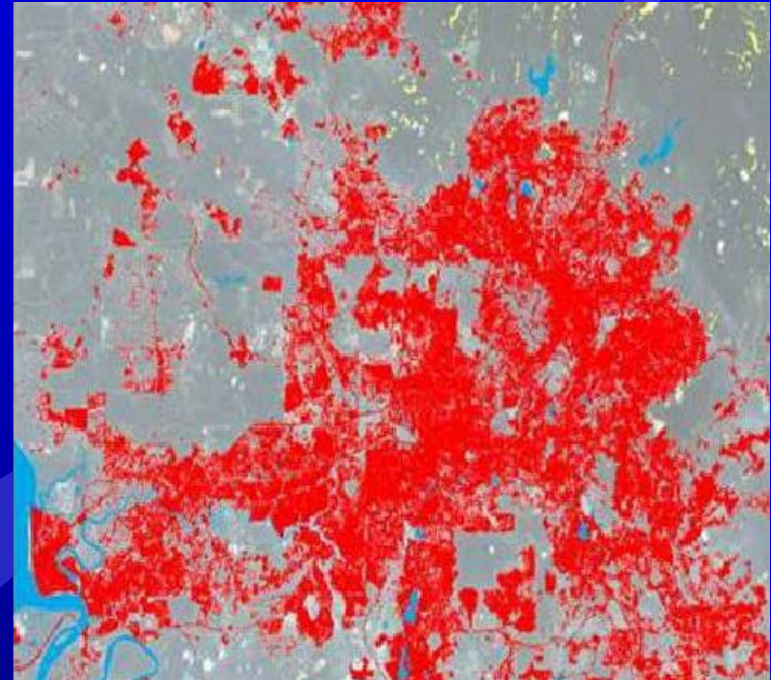
- Urban populations will increase by an average of 50% in the next 20 years
- Urban densities decreasing:
 - Decreasing household size
 - Increasing incomes and car ownership which encourage suburbanization

Kuala Lumpur

- Built up area doubled (1989-2001) 385 to 805 sq km
- Population increase 2.7 to 5 million
- Density decrease 7,130 to 6,160 per sq km



1989



2001

“We are nourishing at immense cost a monster of great potential destructiveness, and yet we love him dearly.”

The motor car

Professor Sir Colin Buchanan

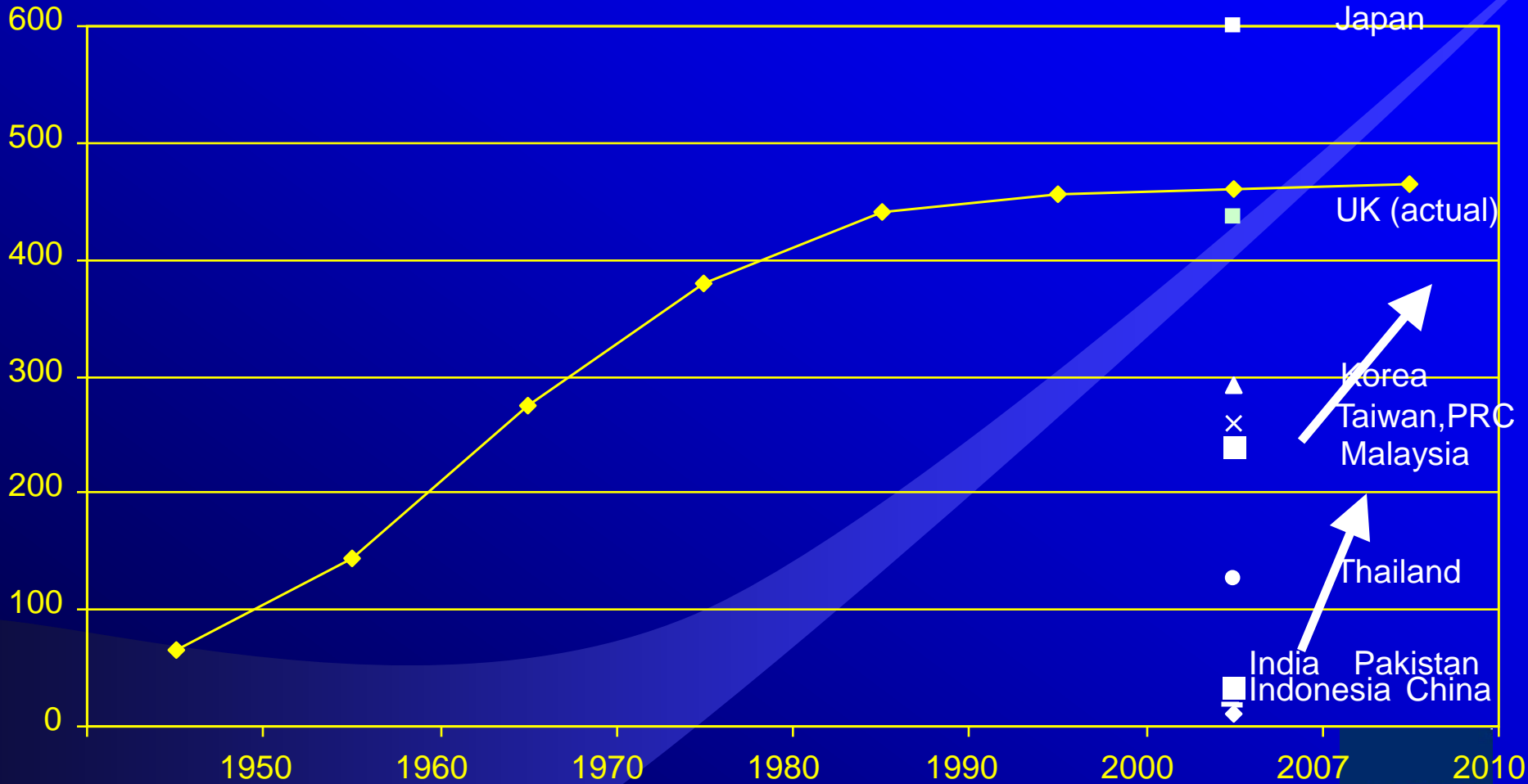
Traffic in Towns

Penguin Books in association with HMSO (1963)

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Challenges: Vehicle growth

veh/pop (1000)



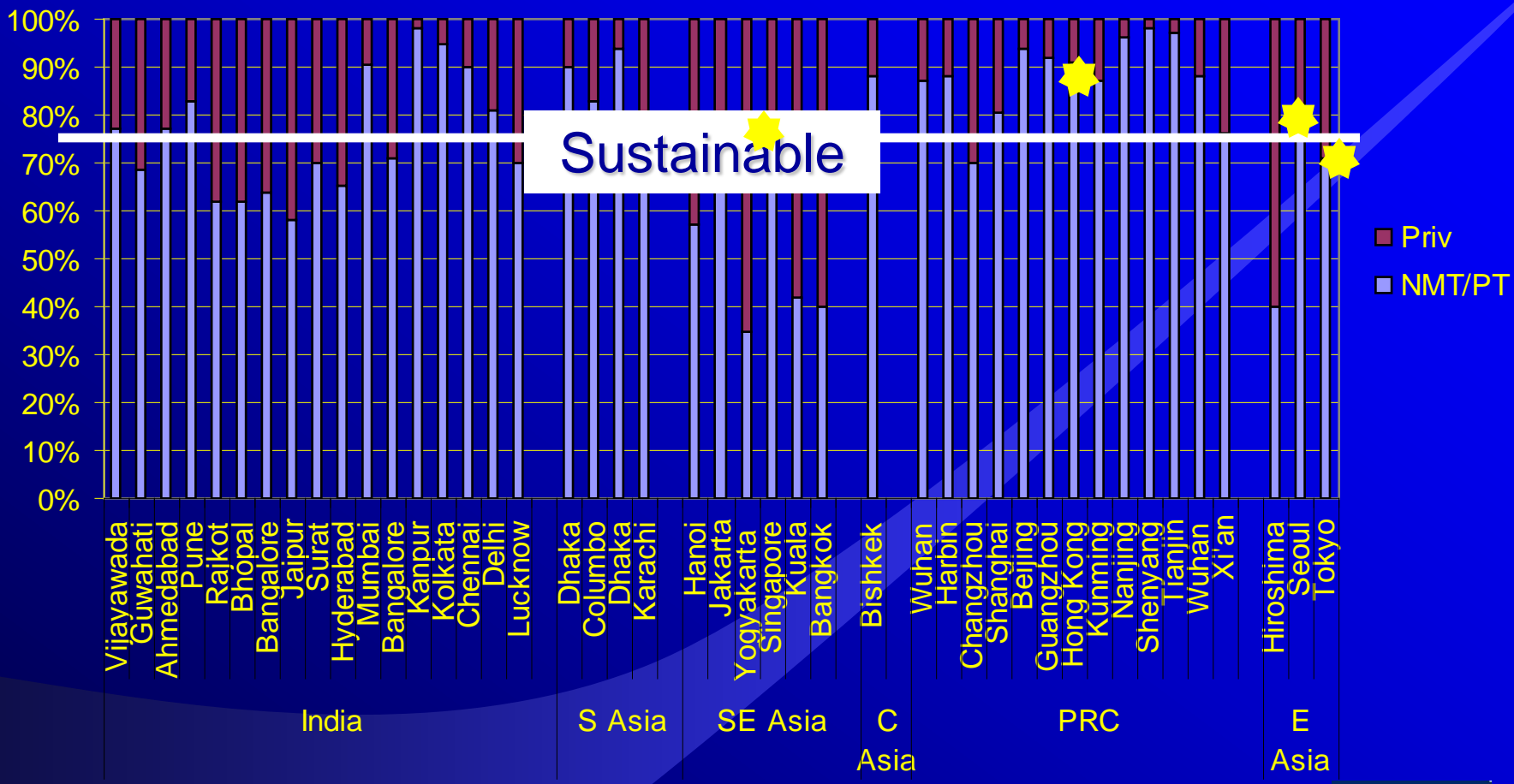
Challenges

- Urbanisation, motorisation, congestion, pollution
- City sprawl – suburbanisation, car dependence
- Increasingly frustrated city leaders turn to 'instant solutions'
- Transport policy failing



Vicious spiral

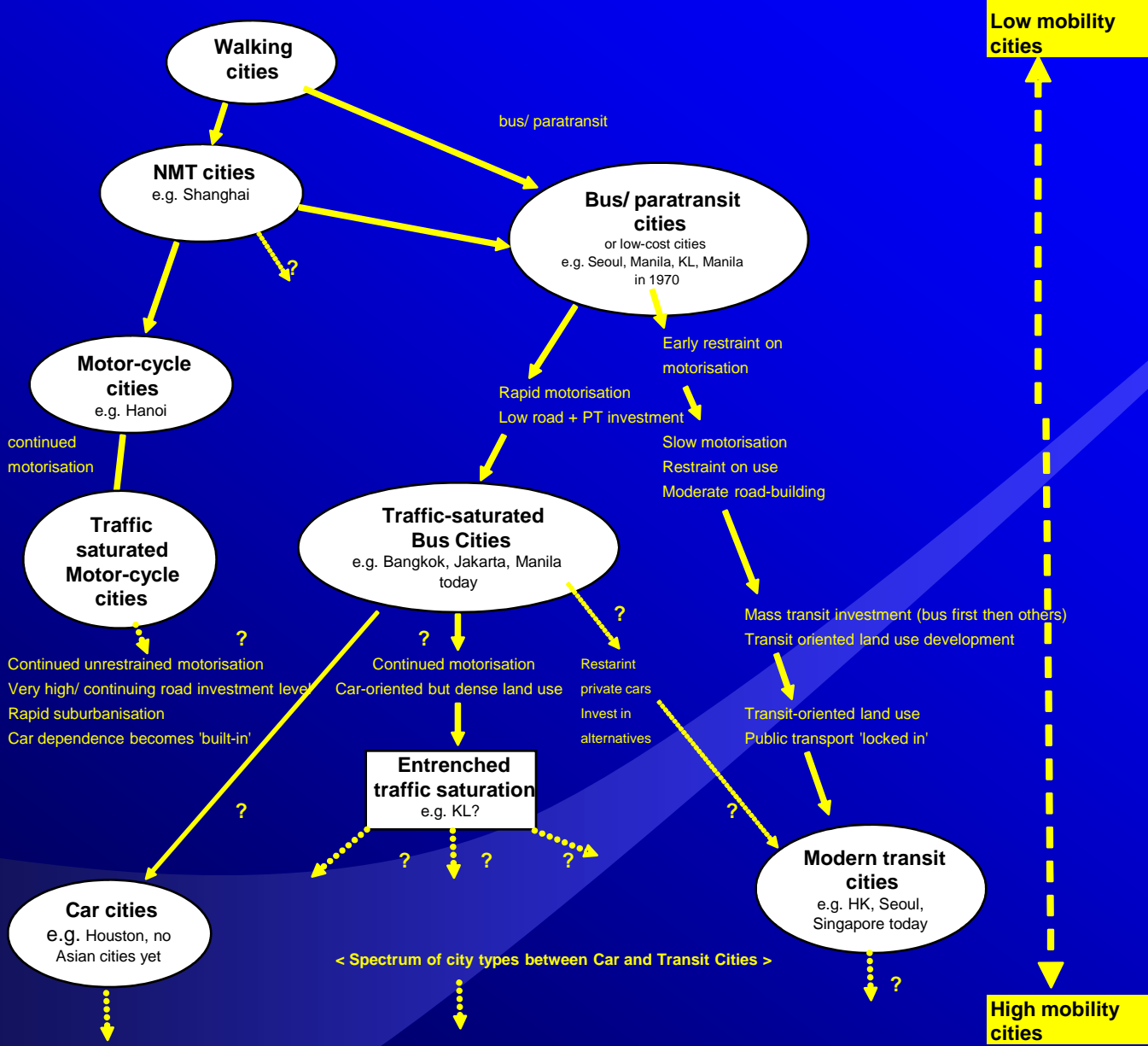
What Makes Transport Sustainable in a Livable Community?



Source: various CAI-Asia Center, 2008

Private modes dominate

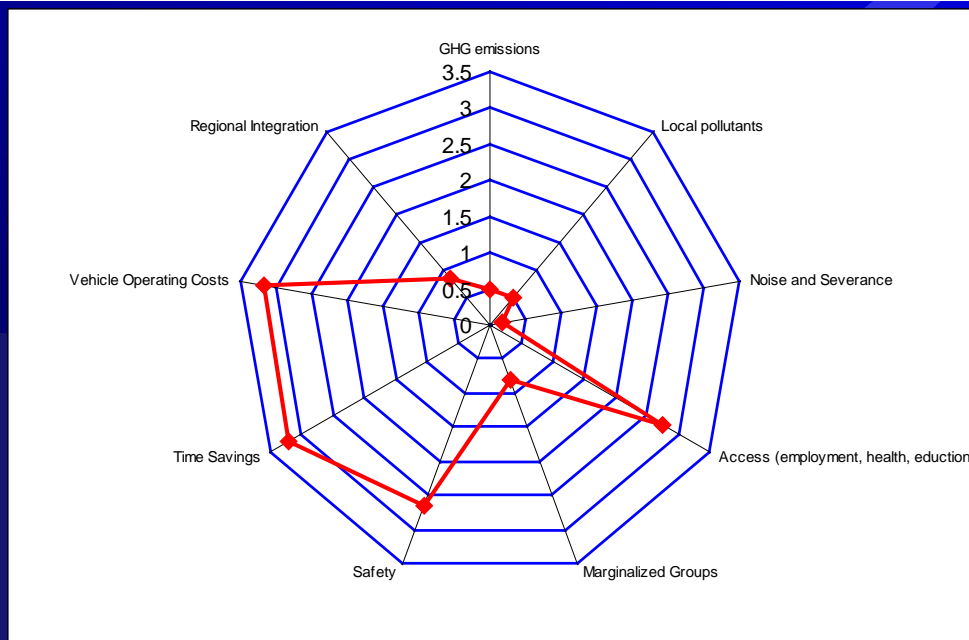
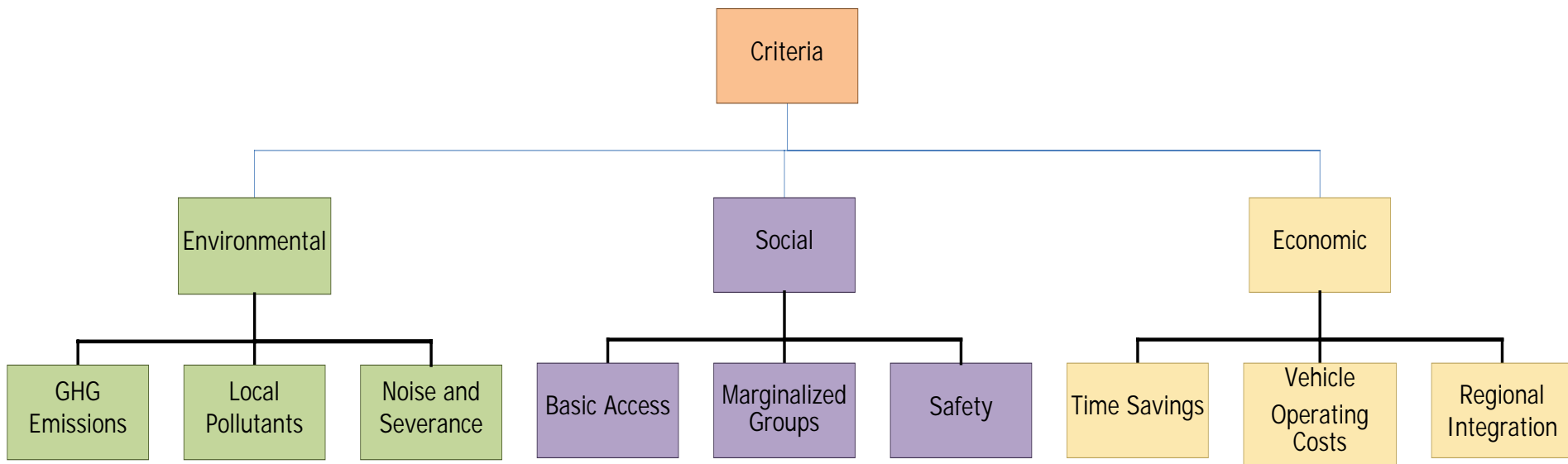
Public modes dominate



Note Shows intended or potential transport development paths for developing cities
 Source: Barter, 2004
 Key: ??? - empirical evidence to date unclear



Assessing Sustainable Transport



How much space?

Required to transport the same number of passengers by car, bus or bicycle. (Poster in city of Muenster Planning Office, August 2001)



Thank you

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The logo for the Asian Development Bank (ADB), consisting of the letters "ADB" in a white, serif font, centered within a dark teal square.

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