A faded, light blue background image of a classical statue, likely a personification of Justice or Liberty, holding a scale and a sword. The statue is positioned on the left side of the slide.

Decision making processes and their interaction with transport energy consumption: A comparison between Europe and South-East-Asia

eceee 2007 Summer Study
La Colle sur Loup, France
4–9 June 2007

Background



Transferability to South East Asia

- Public transport in South East Asia and Europe

Asia



Songtaew



Tuk-tuk



Samlor

Europe



Bus

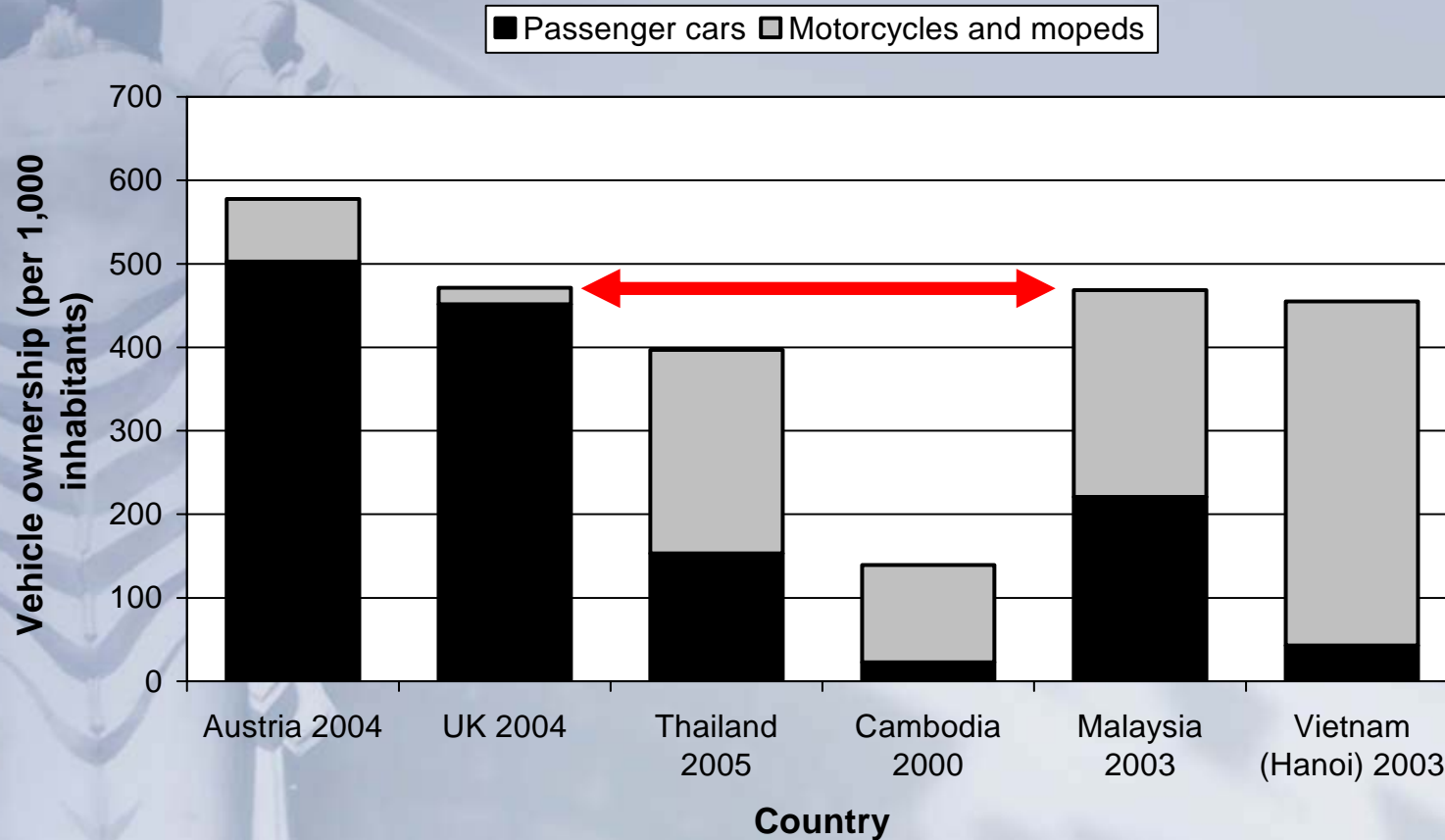


Tramway



Metro

Transferability to South East Asia



Transferability to South East Asia

Key elements	Level of consideration		
	High	Medium	Low
Reducing need to travel			√ X
Reducing car use		X	√
Improving public transport		√ X	
Improving road network	√		X

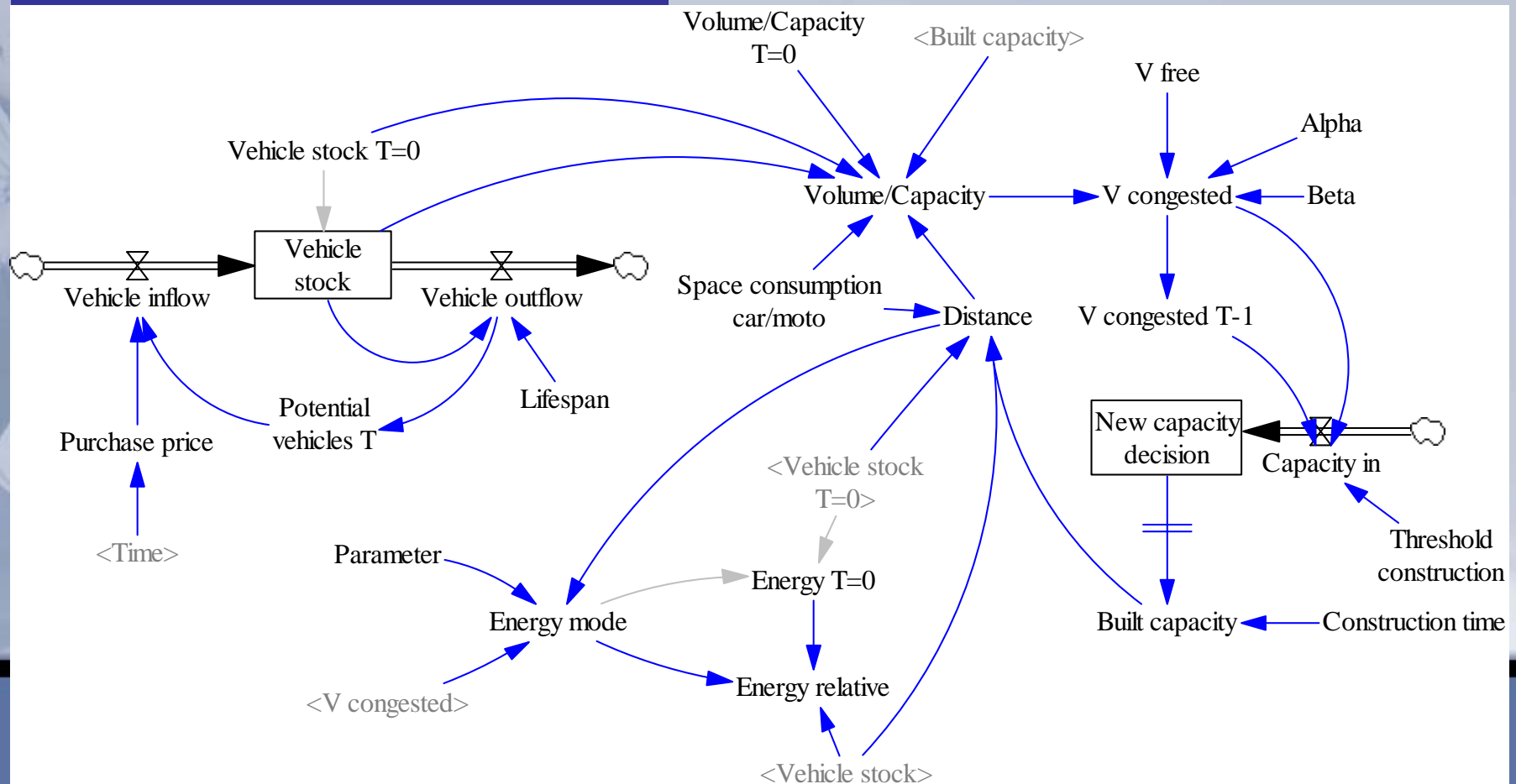
Legend:

√...South East Asian cities (results of SPARKLE seminars and workshops)

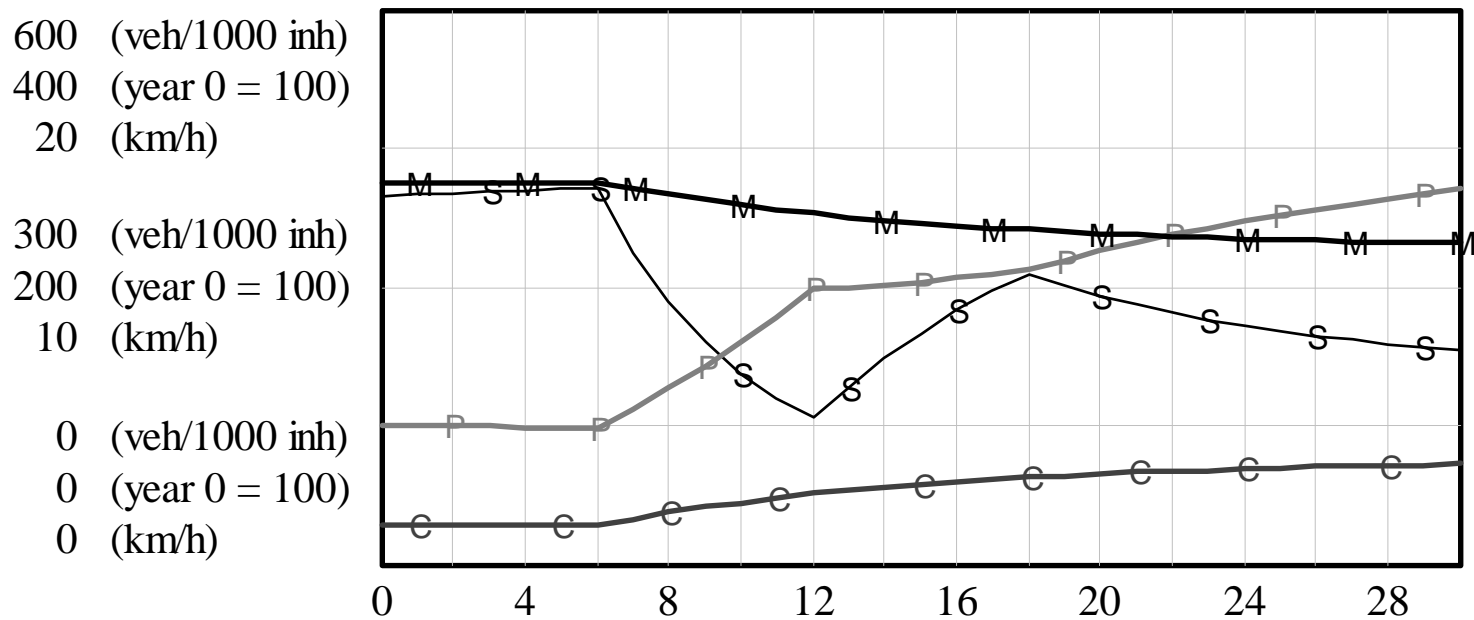
X ... European cities from the PROSPECTS (Matthews and May, 2001; Minken et al., 2003)

Case study Vietnamese WTO accession

- Peak hour in Ho Chi Minh City



Case study Vietnamese WTO accession



Vehicle stock[moto] : Current — M — M — M — M — M — M — (veh/1000 inh)
 Vehicle stock[car] : Current — C — C — C — C — C — C — (veh/1000 inh)
 Petrol consumption — P — P — P — P — P — P — P — (year 0 = 100)
 Speed — S — S — S — S — S — S — S — (km/h)

Conclusions

- The basic principles of the “ideal” decision making process developed in Europe are transferable to South East Asia.
- The most significant difference is that South East Asian decision makers put less emphasis on environmental issues and more emphasis on car traffic than their European equivalents.
- Decision making processes significantly influence energy consumption.
- The case study has shown that the WTO accession of Vietnam will drastically increase transport energy consumption.
- The simulation predicts that fuel consumption will increase by some 170% in the next 25 years.

Thank you for your attention!

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