Congestion Pricing Examples

Singapore	1975
Bergen, Oslo, Trondheim	1990
London	2003
Stockholm	2007

Outline

- Strong collaboration between city and KTH in transport projects
- Examples
 - ~ Congestion charging (CC)
 - ~ Traffic management
- Related internat5ional collaborations

The Stockholm Congestion Charging (CC)

1980 - 2006CC on the agenda of plannersand politicians

Jan 2006 – July 2006 Full-scale CC- experiment

Sept 2006 Referendum on Permanent Adoption

52 percent yes

48 percent **no**

The politics

- A long process characterized by strong political differencies
- The Social Democrats proposed and then killed a toll ring proposal 1991-97
- 2002 the Environmentalists forced the socialist parties to implement a CC-experiment before the 2006 election
- The right-wing tried to stop it and won the 2006 election
- But the citizens of Stockholm voted to keep the charging system

The Stockholm charges



- 10-20 SEK (1-2 €) per cordon crossing, depending on time of day
- No charge evenings or weekends



- Alternative-fuel cars exempt
- Max 60 SEK/day

The Stockholm charges



Technology based on plate recognition

- No driver "action" necessary
- Invoice each month – can pay either manually or automatically
- Automatic number plate recognition very effective



Persistent decrease (≈20% across cordon)



Traffic management

- Extensive data collection infrastructure
 ~ Trafik Stockholm
- Swedish Intelligent Transportation Systems (ITS) Lab at KTH
 - Repository of traffic and traffic related data in real time
 - Radar
 - GPS

Traffic monitoring and management

Swedish ITS Laboratory at KTH





Traffic management

- International collaborators
 ~ IBM
 - ~ University of California Berkeley