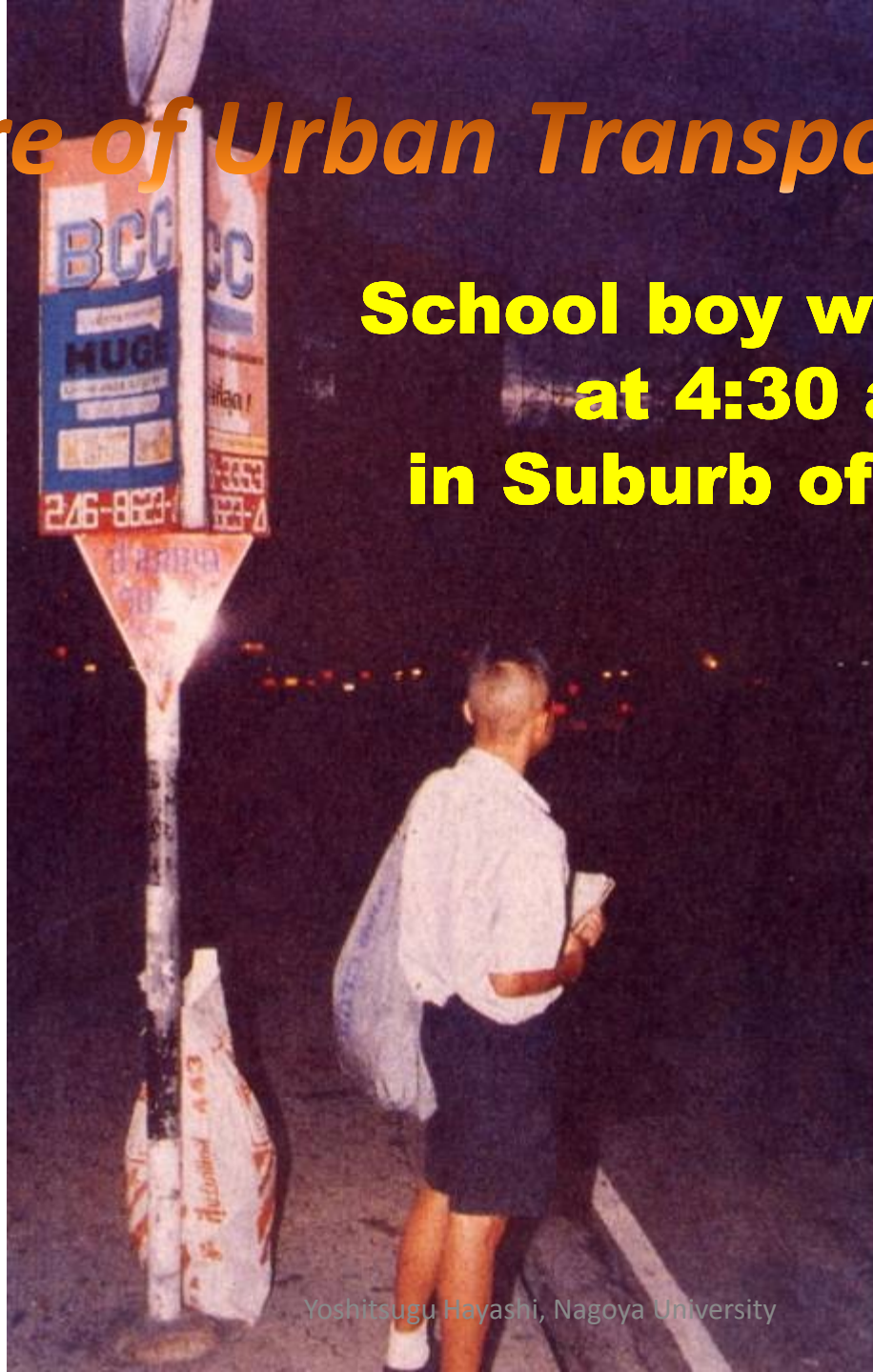


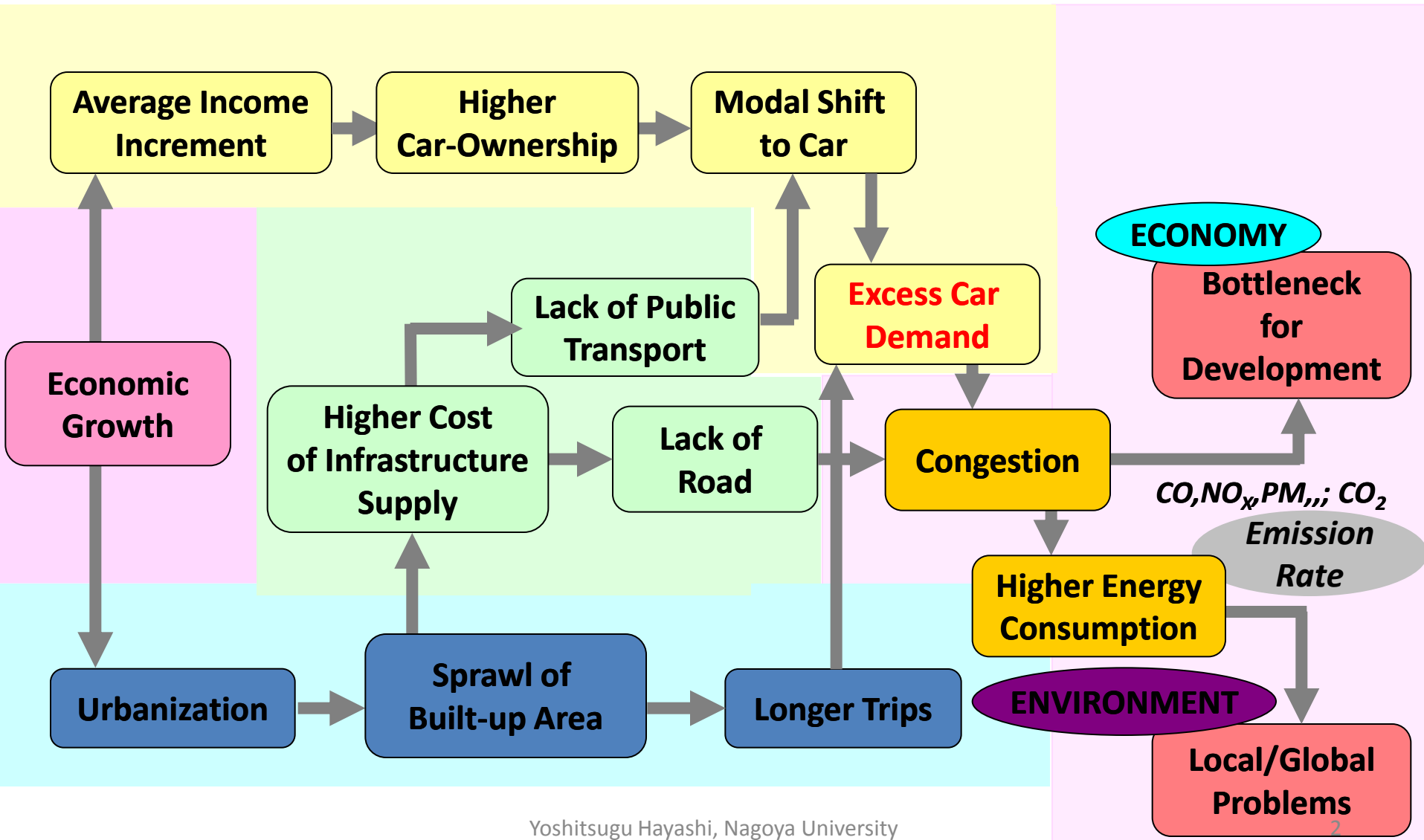
# *Failure of Urban Transport System*

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



Bangkok Post  
4 Sept 1993

***Motorization and Suburbanization threaten economy and environment***



# Techno/Policy Instruments in Transport

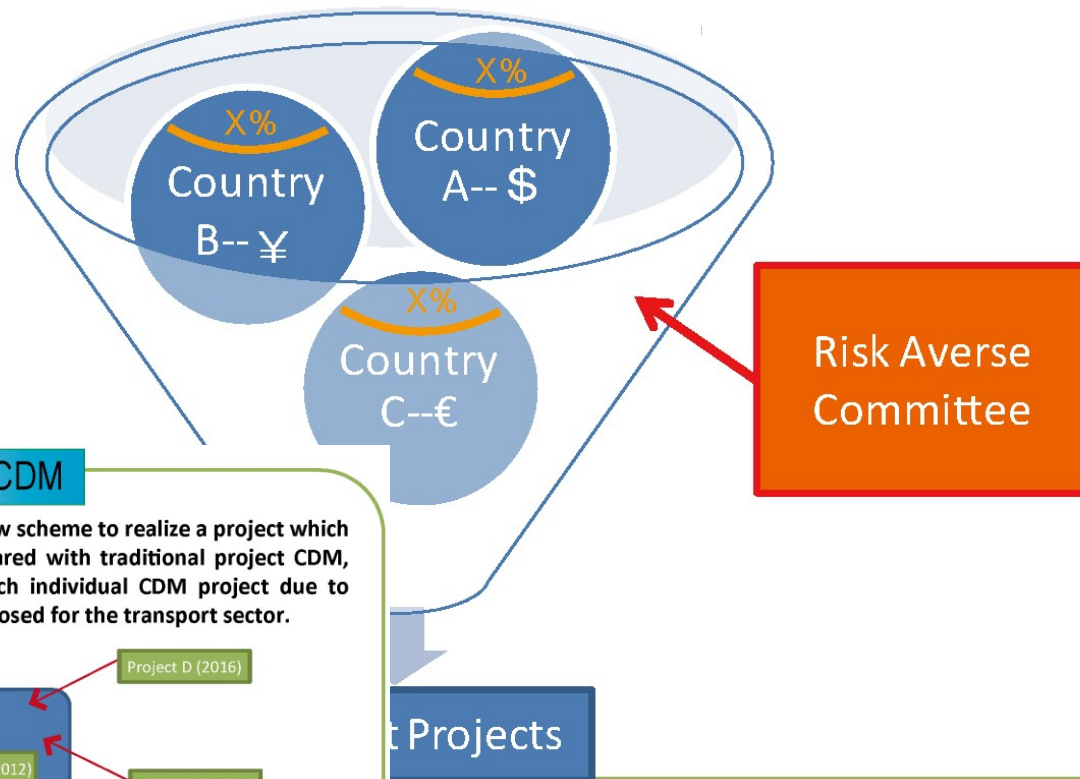
		Strategy		
<b>CUTE Matrix</b>		Avoid	Shift	Improve
		Reduce traffic demand	Reduce emissions per unit transported	Reduce emissions per kilometer
Instruments	Tech nology	<ul style="list-style-type: none"> <li>■ Pedestrian Ort Dev't</li> <li>■ Bicycle Ort Dev't</li> <li>■ Transit Ort Dev't</li> </ul>	<ul style="list-style-type: none"> <li>■ Integrated Public Transport System</li> <li>■ Highly Competitive Railway</li> </ul>	<ul style="list-style-type: none"> <li>■ <b>LEV, EV</b></li> <li>■ Alternative Energy</li> <li>■ Advanced Infra- Tech</li> <li>■ Logistic Efficiency</li> </ul>
	Regula tion	<ul style="list-style-type: none"> <li>■ TDM</li> <li>■ Parking Regulation</li> <li>■ Compact/Mix Land Use</li> </ul>	<ul style="list-style-type: none"> <li>■ Bus/Tram Priorities</li> <li>■ Non-MT</li> <li>■ Smarter Modal Evolution</li> </ul>	<ul style="list-style-type: none"> <li>■ Emission Standard</li> <li>■ <b>Top Runner Program</b></li> <li>■ Eco-Drive</li> </ul>
	Inform ation	<ul style="list-style-type: none"> <li>■ ICT</li> <li>■ Telework</li> <li>■ Smart Choices for Workplace and Schools</li> </ul>	<ul style="list-style-type: none"> <li>■ Awareness Campaign</li> </ul>	<ul style="list-style-type: none"> <li>■ Knowledgebase</li> <li>■ ITS</li> <li>■ Labeling of Vehicle Performance</li> </ul>
	Econo mic	<ul style="list-style-type: none"> <li>■ Fuel Tax</li> <li>■ Road Pricing</li> <li>■ Car Charge / Fee</li> <li>■ Location Subsidy</li> </ul>	<ul style="list-style-type: none"> <li>■ Fuel Tax</li> <li>■ Road Pricing</li> <li>■ Car Charge / Fee</li> </ul>	<ul style="list-style-type: none"> <li>■ Fuel Tax</li> <li>■ <b>LEV Preferential Tax</b></li> </ul>

# Program CDM with Risk Hedge Fund

## CDM Risk Hedge Fund

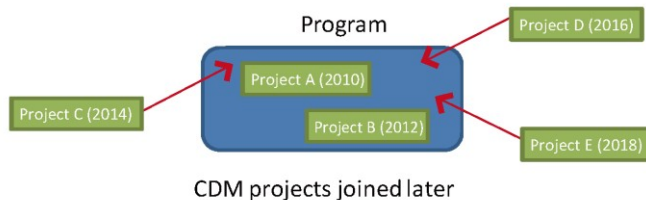
For avoiding investor's risk on uncertainty in transport sector

- X% reservation of emission rights from each CDM project



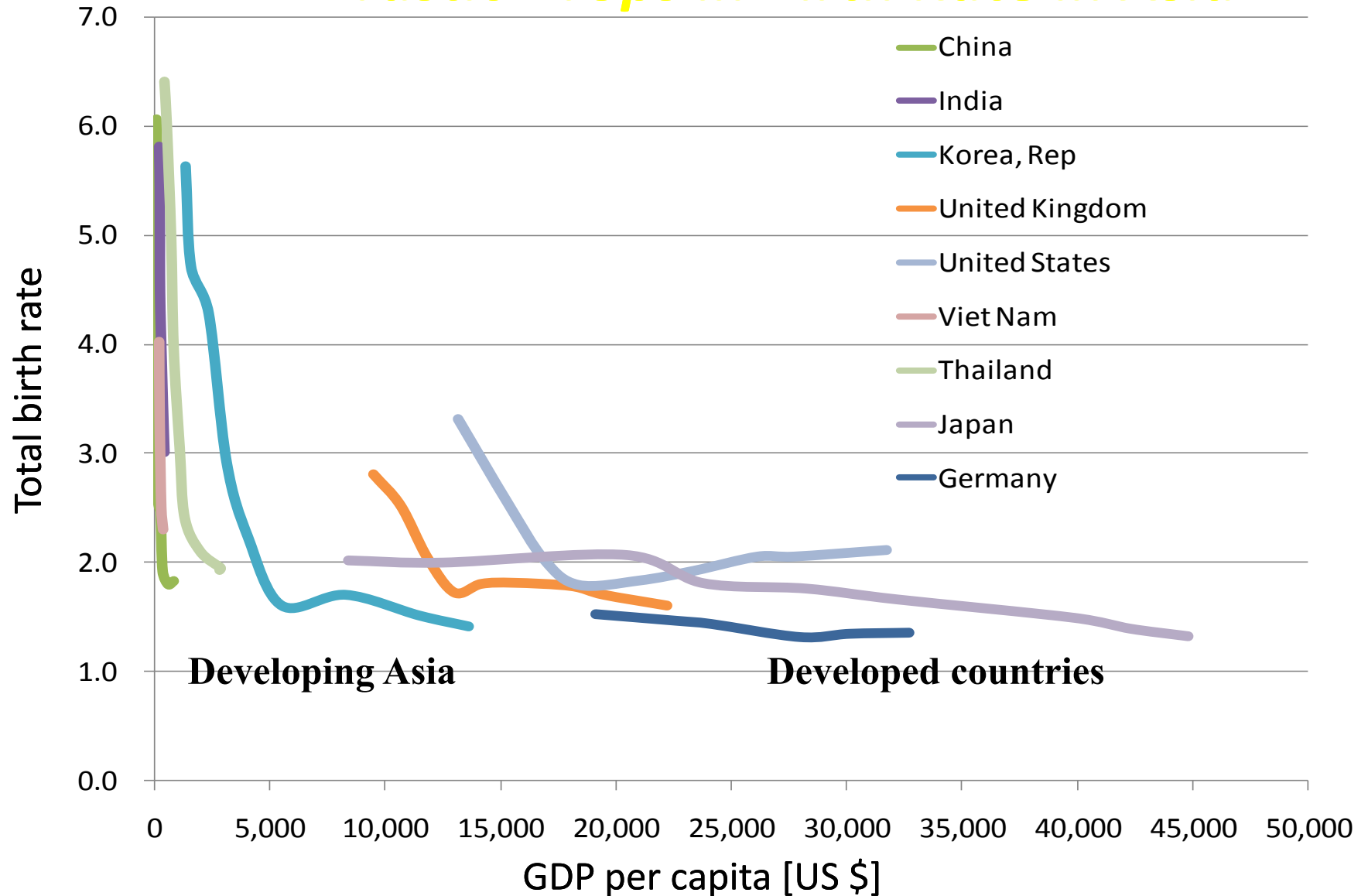
## From Project CDM to Programmatic CDM

The Programmatic CDM is not an option but a new scheme to realize a project which consists of a bundle of similar projects. Compared with traditional project CDM, Programmatic CDM can absorb the risks of each individual CDM project due to uncertainty in reaching the emission targets proposed for the transport sector.



# Challenges for Low-carbon Transport Sector

## Drastic Drops in Birth Rate in Asia



# *Bringing TRANSPORT into COP15 !!*

- **Brave turn** to low carbon transport
  - We have enough Menu of INSTRUMENTS
- **Redesign financing systems** for developing countries (new CDM + CDM accredited ODA)
- **Aging** will not allow to postpone policy implementation
- **Yes, We Can !!**
- **Yes, We Should Implement Now !!**