







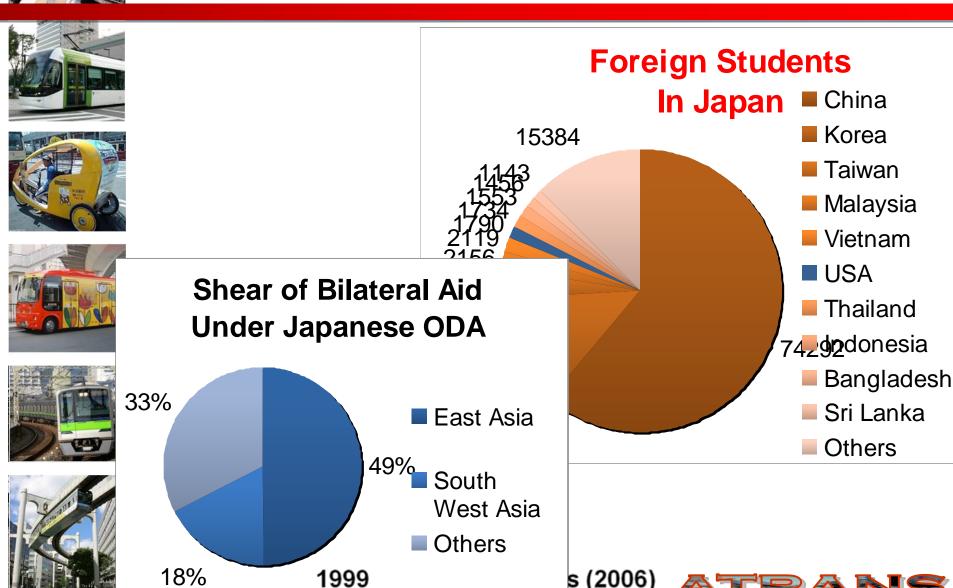








Our relationship with Asian countries





What are Seeds and Needs in our international relationship



Faculty Development

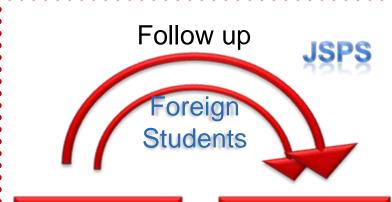


Improvement of Education & Research Level



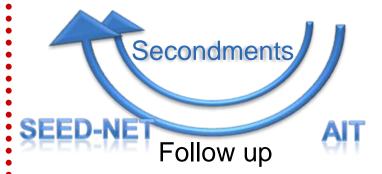


+Education &
Research
Base
+Contribution
for Social
Development



Univ. in Asia

Univ. in Japan



+Maintain of
Education &
Research Level
+Internationalnation

+Identify Research Topics



Contribution for Development Aid (ODA)

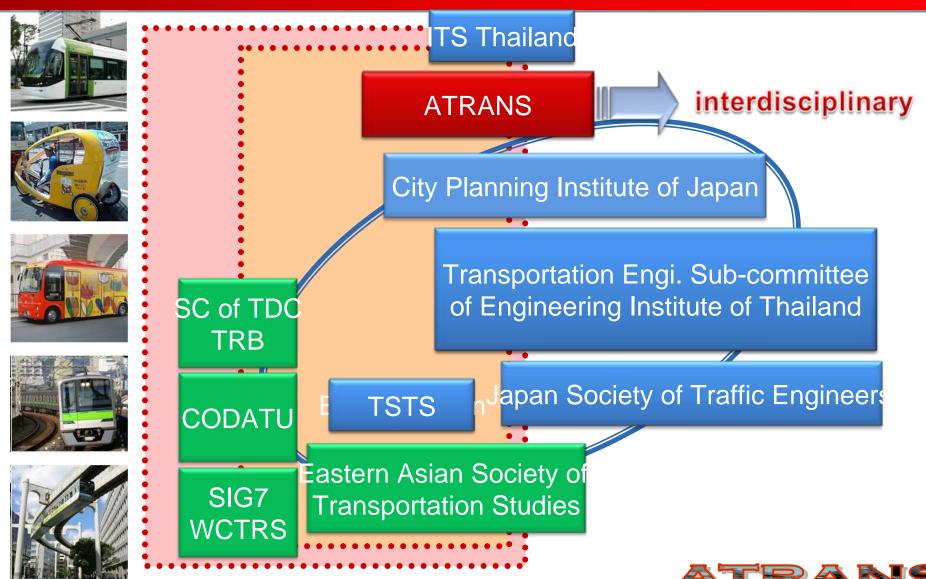
Governme nt

Activities by Academic Soc





Role of Academic Society in our relationship





What kinds of researches have been carried out? (1)



EASTS International Research Group

IRG-01 Sustainable Transport for East Asian Megacities (STREAM)

IRG-02 International, Inter-regional, and City Logistics Research Group in Wide Variety of Asian Region



IRG-03 Dynamics of Poly-centric Employment Formation in East and Southeast Asian Cities

IRG-04 Scale Free Characteristics of the Traffic Network (SCAFT)

IRG-05 Culturally Sensitive Pedestrian-centric Philosophy to Advancement of Urban Form in East Asia



IRG-06 Building ITS Development Scheme in Asian Context

IRG-07 Risk Management of Transport and Logistics for Natural Disasters and Mega Events



IRG-08 Research on the Control Mechanism and Simulation of Safety Conditions of Perishable Foods Transportation and Logistics

IRG-09 Economic Instruments in Sustainable Transport of Asia Cities (EISTAC)

IRG-10-Sustainable Neighborhood Transportation to Improve the Quality of Life in Developing Cities



IRG-11 Research on the Flow of International Air Cargo in



What kinds of researches have been carried out? (2)



EASTS ICRA

Travel Behavior Analysis and its Implication to Urban Transport Planning for Developing Countries



A Comparative Study on Motorcycle Traffic Development in some Asian Countries - case of Taiwan, Malaysia and Vietnam

A Comparative Study on Urban Structures and Transportation Systems in Asian Metropolitan Cities



Comparative Analysis of Motorcycle Utilization and Forecasting Model of Motorcycle Ownership of Eastern Asian Countries



Dynamics of Poly- centric Employment Formation in East and Southeast Asian Cities Inter-regional Valuation of Transport Safety and Exploration of Social Attitudes towards Safety Improvements Considering Southeast Asian Cities in China, Malaysia, and Indonesia: Comparative Investigation of WTP Vs Traditional Gross (Net)-Output Methods







What are needs for Japanese?











Identify research needs

- Fundamental study to understand Urban Transport System in Asian cities.
- Application of new policies, theory, model, etc. for Urban Transport in Asian Cities.

Contribution for development aid (ODA)

- Evaluation of infrastructure development and/or policy in the past.
 - To propose and nominate right projects for ODA
- Establish design code
 - To set up design standard which is appropriate to our society





Fundamental Study of Urban Transport System in Asian Cities











- What is different and common in Urban Transport System with Japanese?
 - Study using JICA Data by Prof. Hyodo, etc.
- Will Asian cities follow the trajectory?
 - Study by Prof. Hayashi & Dr. Rithika, etc/
- How does motorization relate with urban growth?
 - Study by Dr. Varamethm, etc.
- What role will motorcycle, para-transit, etc. play as Urban Transportation Mode?
 - Many studies by Prof. Ohta, Our motorcycle study, etc.
- How will city logistic grow in future?
 - AGS Study (leaded by Prof. Ohta), etc.





Comparison modal shear by JICA data



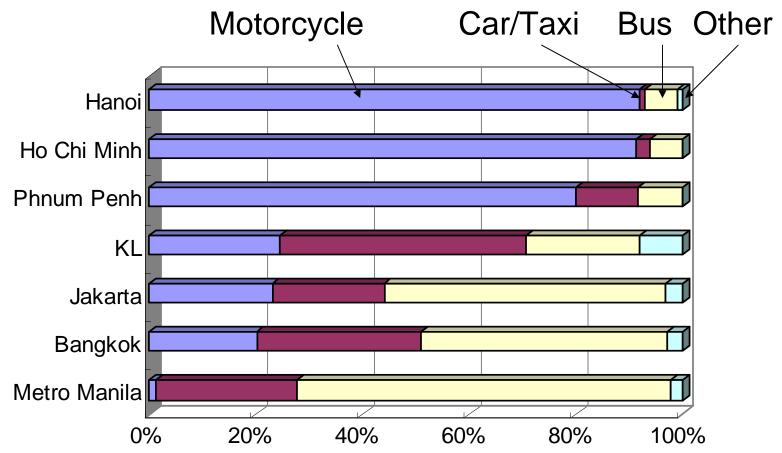








The modal shear among major cities







Out comes from motorcycle study

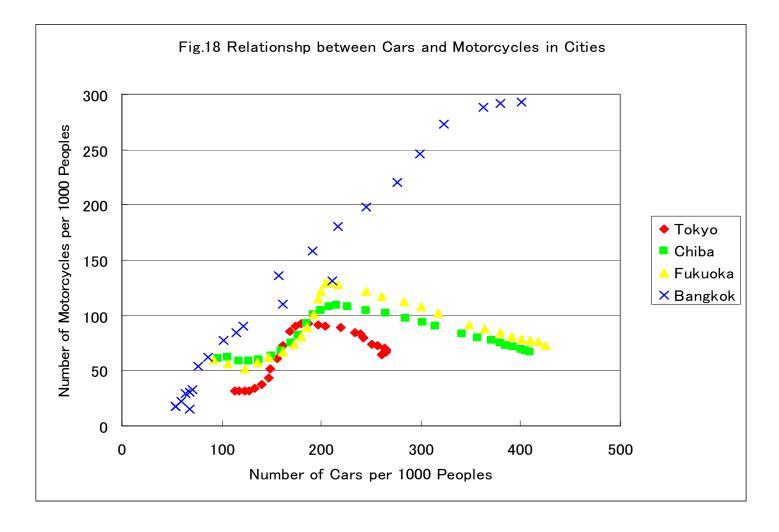
















Evaluation of Infrastructure Development and policy in the past











Have infrastructure development and/or policy contributed for economical growth?

- How to estimate economical impact of infrastructure development? How to evaluate cross impacts of different infrastructures?
 - Cost benefit manual (like RAS-W, COBA, etc.) in JAPAN was established in 1996.
- What role have the government played for development?
- What kinds of infrastructure will be developed?
 - Timing
 - Road transport based or rail based?





Outcomes from JBIC study (2)

















Outcomes from JBIC study (3)



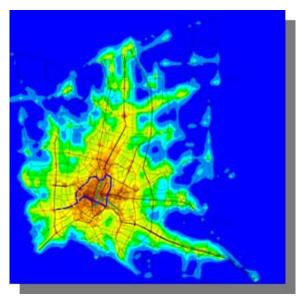


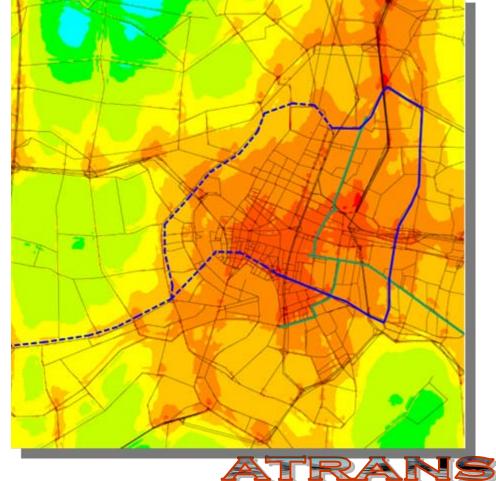






Vehicle derived CO concentration of with extension case (2011)







Innovated technology











Have infrastructure development contributed for economical growth?

- How to estimate economical impact of infrastructure development?
- How to evaluate cross impacts of different infrastructures
- What kinds of infrastructure will be developed?
 - Timing
 - Automobile based or Rail based?





Possibility to introduce innovative technology such as Probe Vehicle System

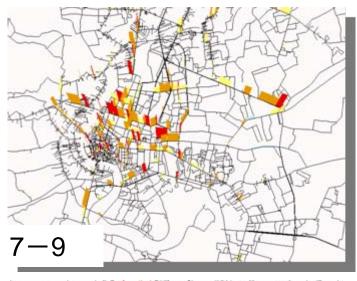


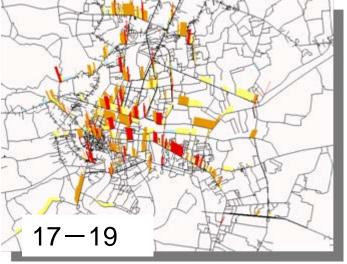


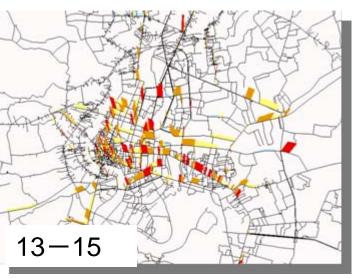


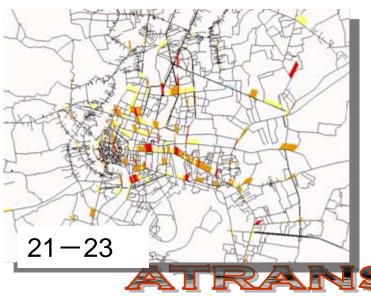














Development of ASIA Code











Environment in Asian countries is quite different with western nations. We need own code, sathdard, or manual that will be match with our environment.

- HCM ?
- Traffic Impact Assessment Guide (ITE) ?

Possibility to establish ASIA Code for other civil engineering fields has been discussed by ACCEC.



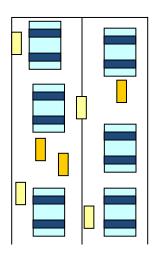
Development of ASIA Code Motorcycle Study



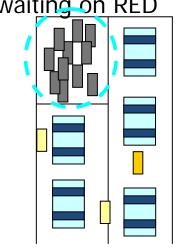




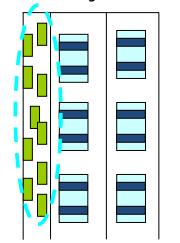


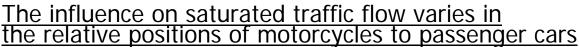


Area for motorcycles waiting on RED



a motorcycles' lane









··· motorcycles alongside of cars, or on the side of lane



··· motorcycles between two passenger cars , just in front of follower



motorcycles which start from the area where they wait on red







Development of ASIA code Motorcycle Study (3)

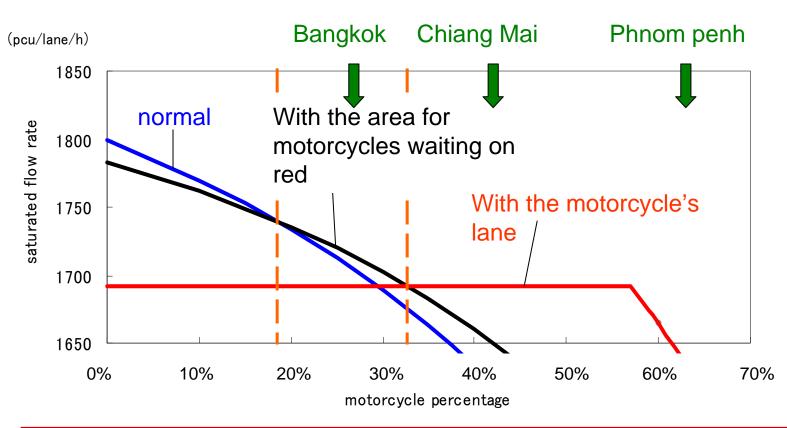












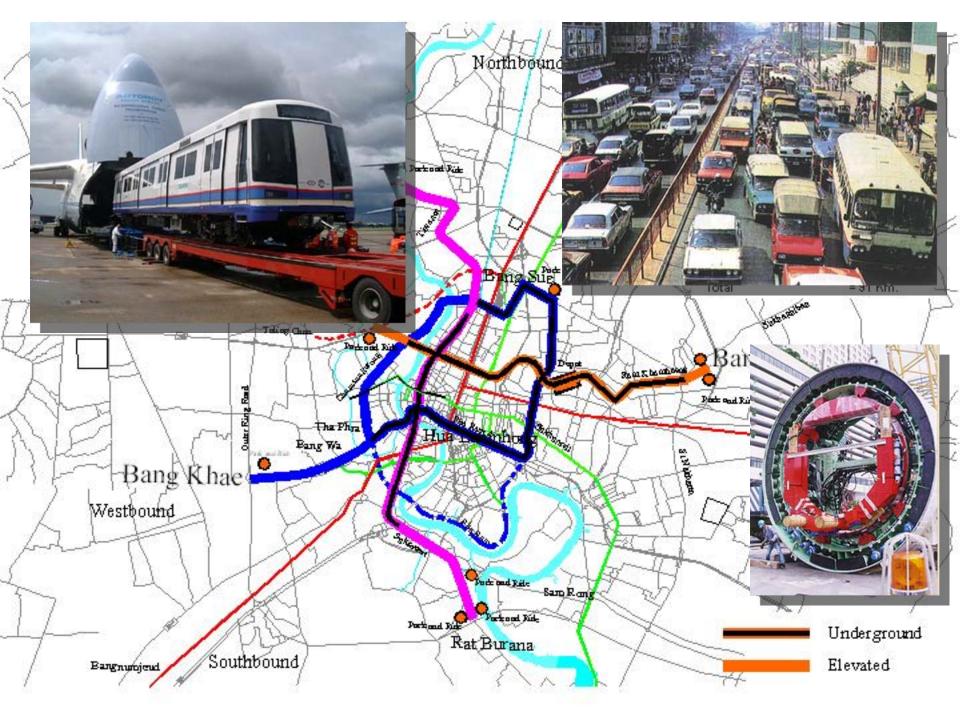
the most efficient intersection's type varies in the motorcycle percentage





Other urgent issue







Outcomes from JBIC study (1)

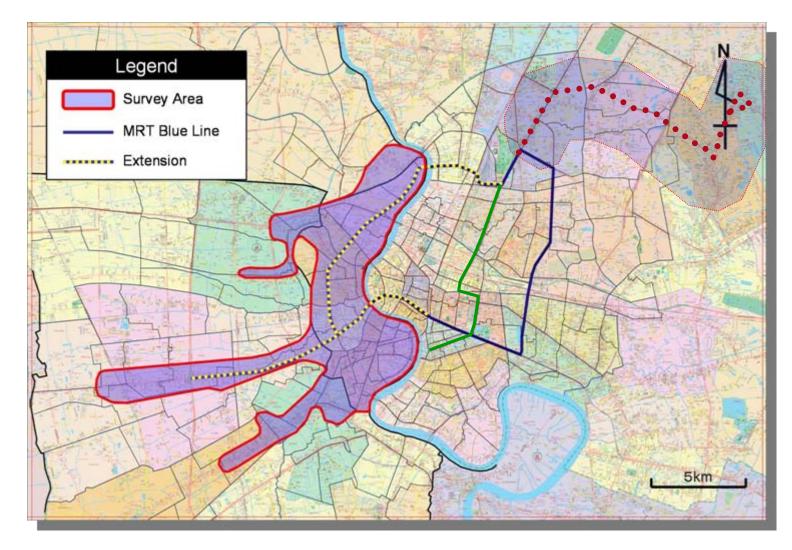














Example of a column chart (1)



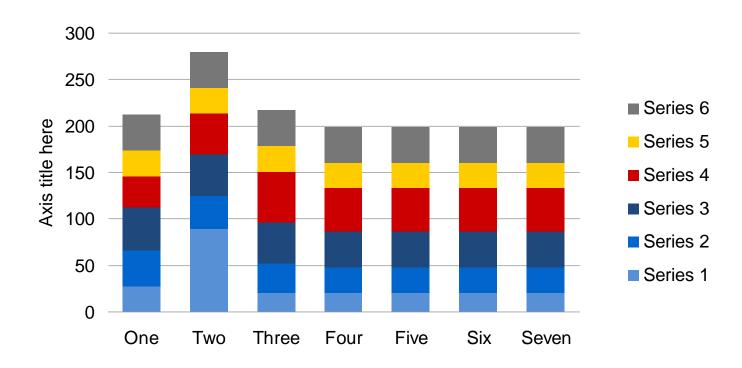
Delete series and categories as appropriate













Example of a column chart (2)



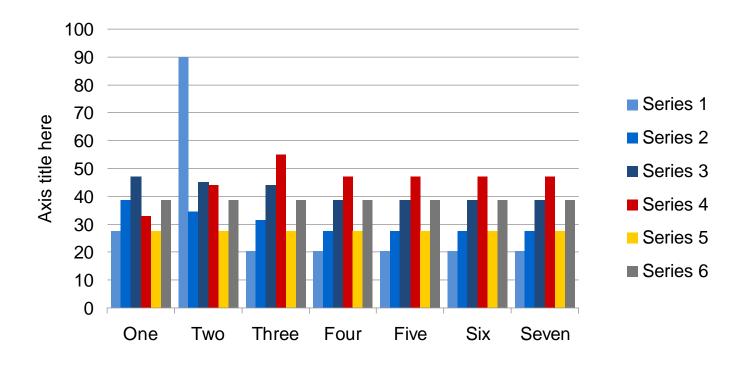
Delete series and categories as appropriate













Example of a pie chart



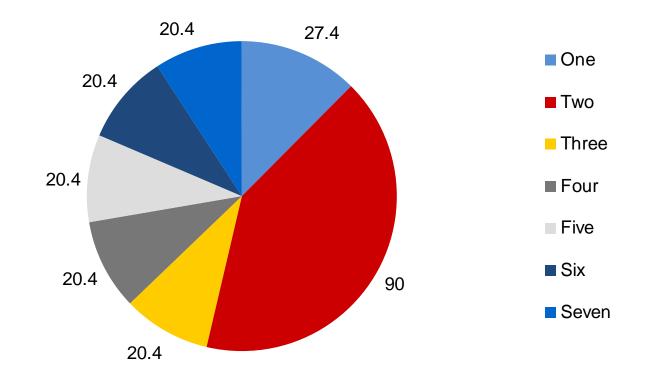
Delete series as appropriate













Picture slide



Subheading (first level text)

- Bullet 1 (second level text)
 - Bullet 2
 - Bullet 3
 - Bullet 4













Examples of suggested styles











	Column heading	Column heading	Column heading
Row heading	Data	Data	Data
Row heading	Data	Data	Data
Row heading	Data	Data	Data

Text box

Text box With shadow