# Strategies for Environmentally Sustainable Transport in Asia

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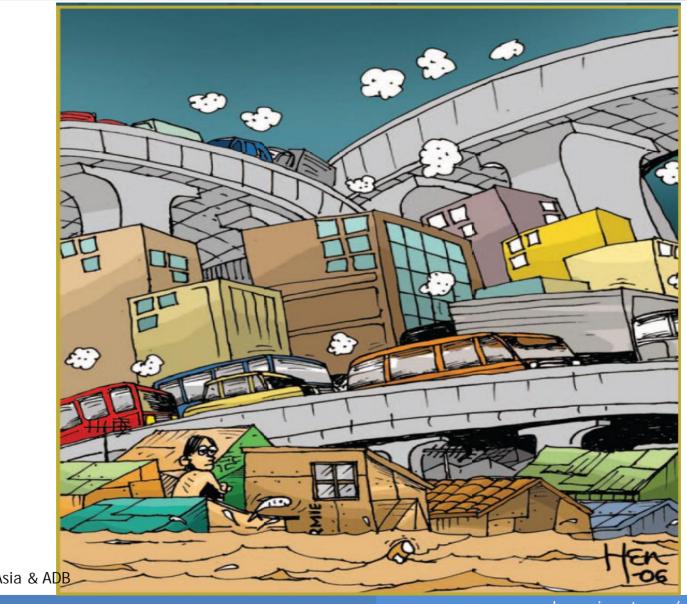
Country Coordinator (Indonesia) - CAI-Asia Center Executive Director - Swisscontact Indonesia Foundation

Access to Clean Urban Transport Energy Solutions for the Urban Poor Yogyakarta, Indonesia 27-29 May, 2009









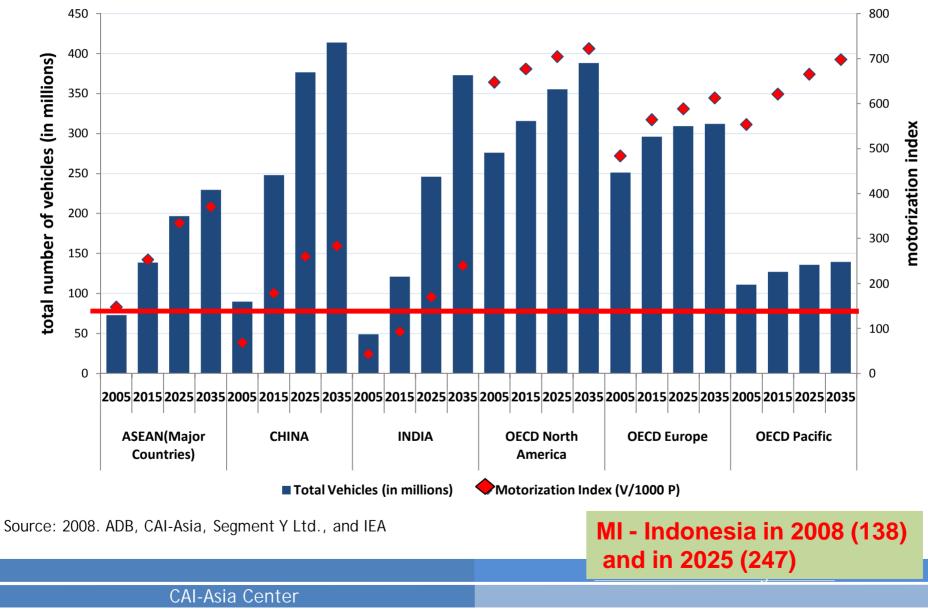
Source: CAI-Asia & ADB

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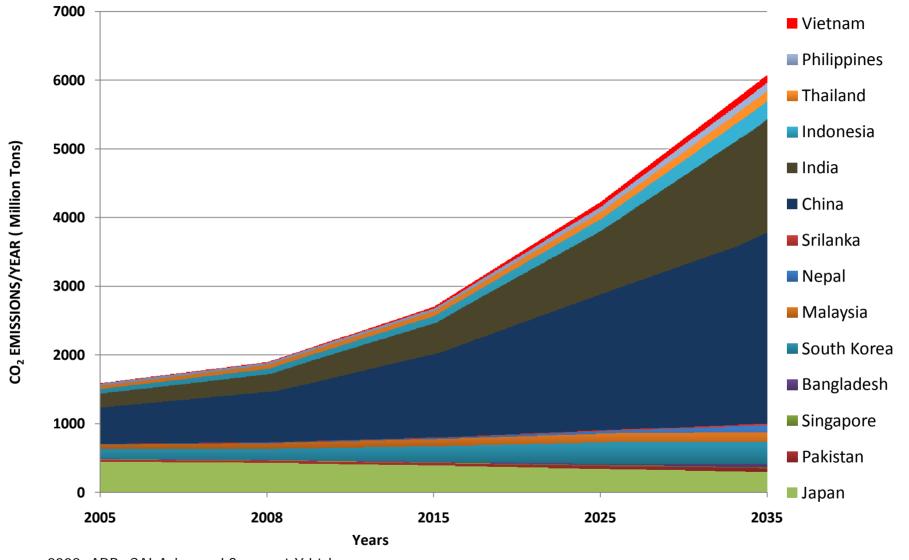
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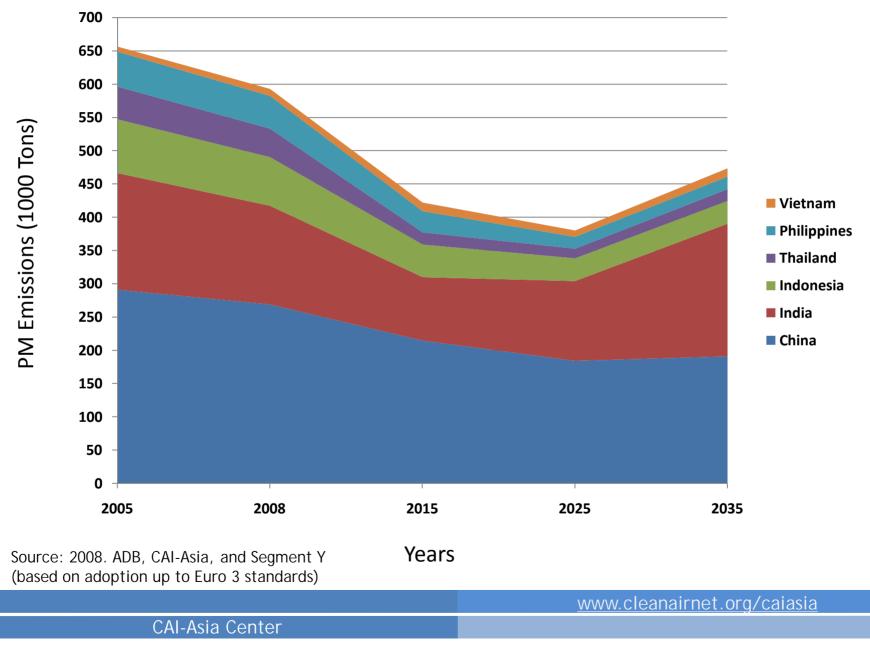


Source: 2008. ADB, CAI-Asia, and Segment Y Ltd

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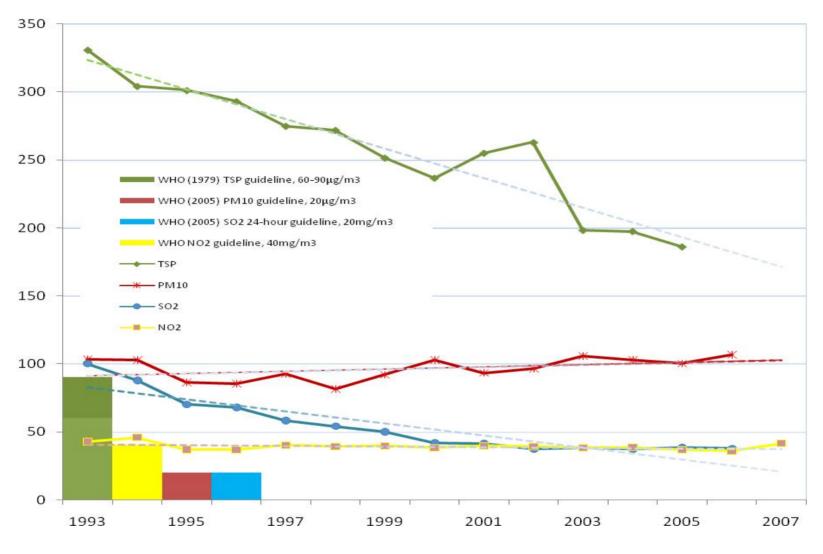
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# 4. Urban Air Pollution Trends in Asia 1993-2007



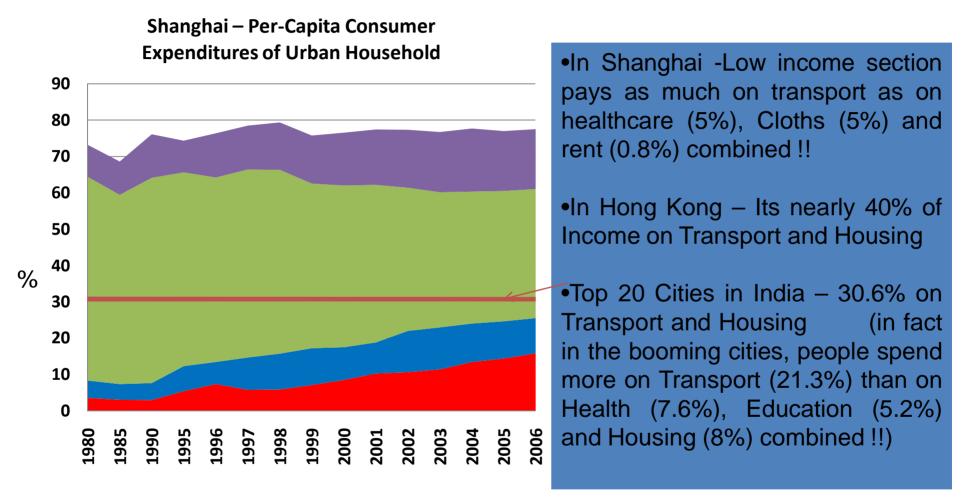
Source: CAI-Asia, 2008

#### Aggregated Annual Ambient AQ Trends, µg/m<sup>3</sup> (1993 to 2007)

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Transport & Communications Residence Food Education

Source :- Shanghai Statistical Bureau and others

7

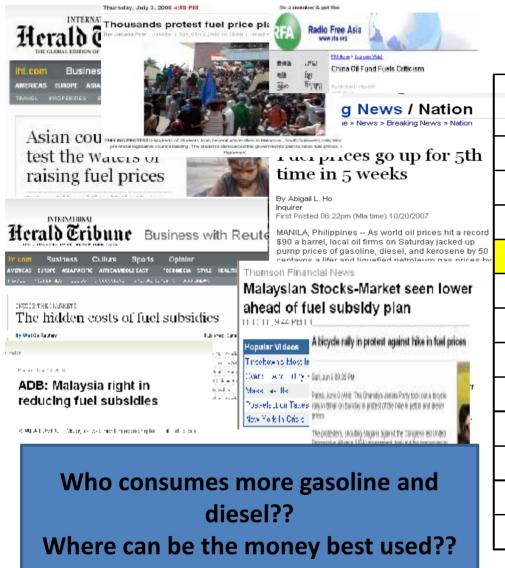
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8

# 6. Asia - Fuel subsidies - Who pays? Who benefits ?



Government Subsidy (in BILLION USD)

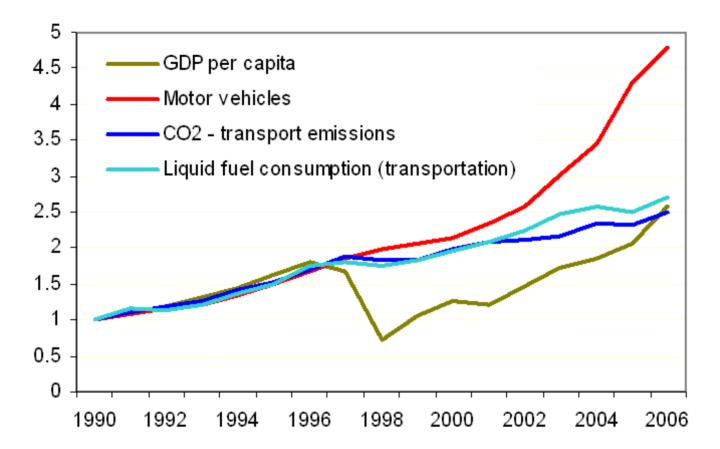
2006	2007	2008 (P)
0.81	0.73	1.50
0.68	NA	1.79
0.64	0.74	17.50
5.90	9 <b>.3</b> 1	19.60
4.00	4.70	10.83
NA	NA	0.30
NA	2.70	6.90
NA	NA	NA
NA	NA	NA
0.09	0.15	0.28
NA	NA	NA
0.61	0.73	3.20
	0.81 0.68 0.64 5.90 4.00 NA NA NA NA 0.09 NA	0.81 0.73   0.68 NA   0.64 0.74   5.90 9.31   4.00 4.70   NA NA   NA 2.70   NA NA   0.09 0.15   NA NA

Source :- Compiled from different sources by CAI-Asia

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Annual growth rates of GDP per capita, motor vehicles, CO<sub>2</sub>transport emissions, and liquid fuel consumption in the transportation sector in Indonesia BPS, 2007; WRI, 2008; Pertamina, 2008.

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# 8. Issues: Safety, Social Equity, Noise, Congestion



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Includes all the key facets of transport

- Vehicle emission control, standards and I/M
- Cleaner fuels
- Strengthening road side monitoring and assessment
- Land-use planning
- Public transport planning and travel demand management
- Environment and People Friendly Infrastructure Development
- Road safety and maintenance
- Traffic noise management
- Public health
- Social equity and gender perspectives
- Strengthening roadside air quality monitoring and assessment
- Strengthening knowledge base, awareness, and public participation

### Concept of EST is centered on the transportation system and activity that meets social, economic and environmental objectives – People and not vehicles are the objective

Source: UNCRD

11

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#### Presidential Administrative Order No. 254 - Formulation of a National Environmentally Sustainable Transport Strategy for the Philippines -

MALACAÑANG AUXALL.

BY THE PRESIDENT OF THE PHILIPPINES

#### ADMINISTRATIVE ORDER NO. 254

MANDATING THE DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS TO LEAD IN FORMULATING A NATIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST) FOR THE PHILIPPINES.

WHEREAS, Executive Order (EO) No. 774 datad 26 December 2008 reorganized the Presidential Task Fana: on Climate Change:

WHEREAS, Section 9 of ED No. 774 provided that to induce the consumption of forsil fuels, the Department of Transportation and Communications (DOTC) shell lead a Task Group on Fossil Fuels (TGFF) to reform the transportation sector.

WHEREAS, officials of the DOTC attended the Ministerial Conference on Global Environment and Energy in Transport in Japan on 14-16 January 2009, wherein the ministers responsible for anvironment and energy in the transport sector committed to combating climate change.

NOW, THEREFORE, I, GLORIA N. ARROYO, President of the Philippines, by the powers vested in me by law, do homby order:

SECTION 1. Randaling the Tesk Group on Possil Rude (TGFF) to formulate a National Environmentally Sustainable Transport Strategy for the Philippines - The TOFF shall be primarily responsible for the effective coordination by various agencies of the government, internetional organizations and the private sector pertaining to the for rolation of the National Environmentally Sustainable Transport (EST) Strategy, including all activities related thereto.

SECTION 2. Composition of the TGPT - The TGPT shall be composed of the following

- a. Group Hend: Secretary, Department of Transportation and Communications b. Group Deputy Head: Secretary, Department of Dryfronment and Natural Resources
- c. Numbers: Secretary, Department of Energy Secretary, Department of Public Works and Highways (DPWH)
  - Percettive Secretary Presidential Adviser on Climate Change (EACC) Societary, Department of Budget and Management (DRM) Secretary, Department of the Interior and Local Government
    - (OILG) Societary, Department of Health

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12



Secretary, Department of Rhance Sensitians, Department of Trade and Industry Director-General, National Economic and Development Authority Crief Executive Officer and Commissioner, Housing and Land Use Requisitory Roard

Charman, Netropolitan Mania Development Authority Chairperson, Rational Commission on the Folix of Filipino Women. Representatives from the academe, and Representatives from the private sector.

The TGPT may from sub-Task Groups or Technical Working Groups composed of representatives from government operates concerned and private sector or nongovernmental organizations to perform specific tubles and assignments.

SECTION 3. Secretariat - A Secretariat composed of representatives from the DOTC, It's Vallenal Denier for Transportation Studies of the University of the Philippines and the Steshtential Advisor on Climztz Change is hereby changed to assist the Task Sec.o.

SECTION 4. Furthers of the 1077 - In additor to the functions provided in EC 774, the TGFF shall initiate and pursue the formulation of the National EST Strategy for the Phil ordness

Specifically, the TGFF shall perform the following functions:

(a) Reform the transport sector to reduce the consumption of facilitheir. The two considers in the recomment of men and things rush blow a simple principle: Those who have less in wheels must have more in road " For this purpose, the system shall tever non-movimum locomotion and collective transportation waters (welking, seveno, and the man powered mini train's

(b) Through the DOTC and the DZWH, immediately transform roads using the alonesaid principle.

(c) Threach Valazafan Palece and all Cabinet offices, bring down by fifty percent (\$0%) the consumation of fessil fuels within two (2) years from the issuance of ED 774.

d) Beview the conformity of existing Philippine laws and regulations with established standards and provisions of EST.

(c) Identify, detaily and prioritize programs toward realizing EET in the Philodaes

(f) Identify and establish the mattabonal and toth the infrastructure requirement to implement the National EST Strategy

(a) Through the CLC, coundrate with local government units and quide them on the plan to transform the locamotion and introportation system to favor parties who









have no motorized vehicles, and facilitate the maintenening of the National EST States:

(h) Through the PACC, consult with the biggest consumers and undertake extensive most media social manieting and mobilization campaigns to reduce consumption of fossil flucis, as well as consult and coordinate with portinent agencies and other laudies concerned concerning EST related plans and progrems.

ii) Through the Secretaries of the DOTC, DBM, and DPWH, report to the President through the PACC every 48 hours on the progress of the initiativen stated in this Section.

(b) Reform such other studies and functions which may be receivary in the attannian; of the objectives of the National EST Strategy, and such other acts as may be necessary and proper to implement this Order.

SECTION 5. Finality - To support the operations and activities of the Tesls Group, the DBH shall intraclately make available funds have the Special Vehicle Palution Control rund of the Woter Vehicle Usars' Charges and other such funding sources as may be recommended by it.

SECTION 6. Accessing Classe - All executive issuances, orders, rules and requisitions or pains thereof which are inconsistent with the provisions of this Onlar are harby repealed, emended or modified accordingly.

SECTION 7. (Piecholy - This Order shall take effect lifteen (15) days after its publication in a national newspaper of general circulation

Open in the City of Manila, this 30<sup>th</sup> day of January, in the year of Our Lovit, Two Thousand and Nino.

By the President:

EDUARDO R. ERHITA Elecutive Secretary

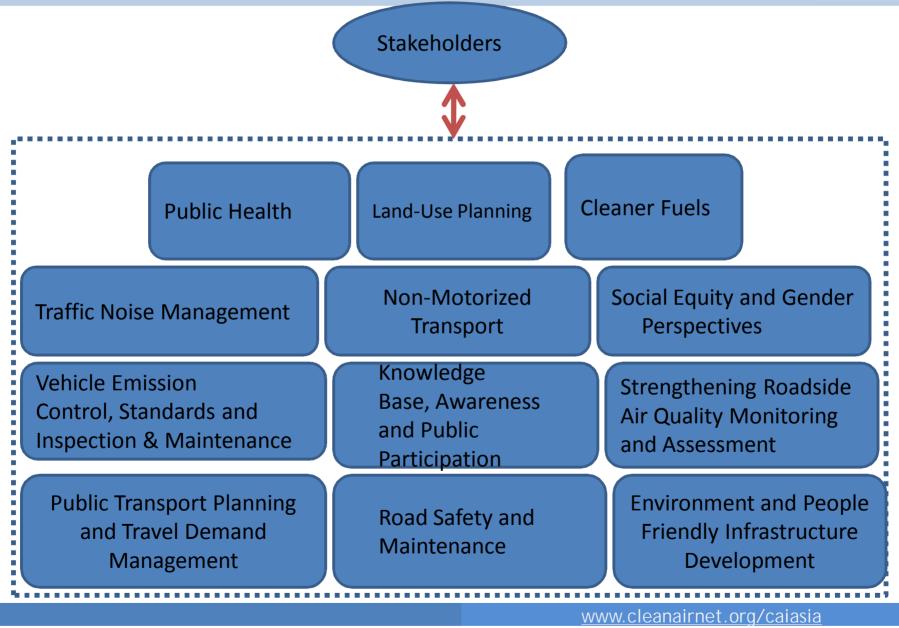


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13

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- Support from UNCRD to promote EST strategy, mainstream
- New transport legislation addresses "limited" EST (TDM, public transport, NMT) --- needs to be further defined
- Recently GOI is considering efficiency and sustainability of its energy policies --- fuel quality improvement & introduction of fuel economy (policy measures)
- EST measures
  - BRT and improved public transport system in cities
  - Blue Sky Cities Evaluation Program (MoE) to promote clean air & support cities in implementing EST
  - Wahana Tata Nugraha Evaluation program (MoT) evaluation of city's transport management performance
  - Use of CNG for high usage public vehicles where CNG is available
  - Cities' initiatives to promote NMT (e.g. Yogya, Palembang)

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14



15



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