

Seventh Regional EST Forum in Asia

“Next Generation Transport Systems We Want for 21st Century ~ Looking Beyond Rio+20”

Bali, Indonesia, 23-25 April, 2013

Country Report

(Draft)

< Thailand >

This country report was prepared by Thailand as an input for the Seventh Regional EST Forum in Asia. The views expressed herein do not necessarily reflect the views of the United Nations.

Country Report

Name of the Country: THAILAND

Name, Designation and Organization Respondent: Office of Transport and Traffic Policy and Planning, Ministry of Transport

Other Organizations contributing to Country Report: Pollution Control Department, Ministry of Natural Resources and Environment.

Voluntary Progress/Achievements/Initiatives towards Goals of the Bangkok 2020 Declaration

With the objective of demonstrating the renewed interest and commitment of Asian countries towards realizing a promising decade (2010-2020) of sustainable actions and measures for achieving safe, secure, affordable, efficient, and people and environmentally friendly transport in rapidly urbanizing Asia, the participating countries of the Forum discussed and agreed on a goodwill and voluntary declaration - “Bangkok Declaration for 2020 – Sustainable Transport Goals for 2010-2020”. The objective of the Country Reporting is to share among international community the progress and achievements made, including various challenges faced, by countries in implementing each of the underlined goals. This would also help development agencies, donors, and MDBs in assessing the sustainable transport needs and challenges to better devise their existing as well as future capacity building programs and operations in sustainable transport.

| Goal No. | Goal Description | Voluntary Progress/Achievements/Initiatives in Implementing Bangkok 2020 Declaration | | |
|---|---|---|---|-------------------------------------|
| I. Strategies to <u>Avoid</u> unnecessary travel and reduce trip distances | | | | |
| “Avoid” Strategy | 1 | Formally integrate land-use and transport planning processes and related institutional arrangements at the local, regional, and national levels | Any action had been taken so far? / <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | Examples of pilot projects and/or policies developed or under development – include URLs where relevant | | | |
| | Important Actions you will take in 2013 | | | |
| “Avoid” Strategy | 2 | Achieve mixed-use development and medium-to-high densities along key corridors within cities through appropriate land - use policies and provide people - oriented local access, | Any action had been taken so far? / <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |

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| | and actively promote transit-oriented development (TOD) when introducing new public transport infrastructure | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <hr/> <p>Important Actions you will take in 2013</p> | |
| “Avoid” Strategy | 3 Institute policies, programmes, and projects supporting Information and Communications Technologies (ICT), such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel | <p>Any action had been taken so far?</p> <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | <p>Challenges faced in implementation:</p> <ul style="list-style-type: none"> - Internet system is not stable - Failed access -not much applicable for all user |
| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant : Real Time Traffic Report on Internet URL: www.ITSTOP.NET or M.ITSOTP.NET (for mobile phone)</p> | |
| | | <p>Important Actions you will take in 2013 : More promote and make it more friendly user</p> | |

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| II. Strategies to <u>Shift</u> towards more sustainable modes | | | | |
| “Shift” Strategy | 4 | Require Non-Motorized Transport (NMT) components in transport master plans in all major cities and prioritize transport infrastructure investments to NMT, including wide-scale improvements to pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: Not much popular due to safety issues. |
| | | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Bicycle lane and facilities are providing in some area in Bangkok including public bicycle in some BTS station for tourist. | |
| | | | Important Actions you will take in 2013 | |
| “Shift” Strategy | 5 | Improve public transport services including high quality and affordable services on dedicated infrastructure along major arterial corridors in the city and connect with feeder services into residential communities | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |

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| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <ul style="list-style-type: none"> - Free buses campaign for all people (only non-air condition). <hr/> <ul style="list-style-type: none"> - Important Actions you will take in 2013: Bangkok Mass Transit Authority (BMTA) is going to replace new 3,183 CNG buses and 323 engine retrofit buses. | |
| “Shift” Strategy | <p>6 Reduce the urban transport mode share of private motorized vehicles through Transportation Demand Management (TDM) measures, including pricing measures that integrate congestion, safety, and pollution costs, aimed at gradually reducing price distortions that directly or indirectly encourage driving, motorization, and sprawl</p> | <p>Any action had been taken so far?</p> <p>/ <input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p> | <p>Challenges faced in implementation:</p> |
| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> | |
| | | <p>Important Actions you will take in 2013</p> | |

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| “Shift” Strategy | 7 Achieve significant shifts to more sustainable modes of inter-city passenger and goods transport , including priority for high-quality long distance bus, inland water transport, high-speed rail over car and air passenger travel, and priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Double track railway for inter-city connection : www.otp.go.th | |
| | | Important Actions you will take in 2013: Ministry of Transport has got cabinet resolution for high-speed train. | |
| III. Strategies to <u>Improve</u> transport practices and technologies | | | |

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| “Improve” Strategy | 8 Diversify towards more sustainable transport fuels and technologies , including greater market penetration of options such as vehicles operating on electricity generated from renewable sources, hybrid technology, and natural gas | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: Cost of Hybrid and electric vehicle is very expensive. |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Largely on sale in market : Bio-diesel B5, B10, Bio-ethanol(Gasohol) E 10,E20, E85 | |
| | | Important Actions you will take in 2013 | |
| “Improve” Strategy | 9 Set progressive, appropriate, and affordable standards for fuel quality, fuel efficiency, and tailpipe emissions for all vehicle types, including new and in-use vehicles | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: Some resistance from fuel manufacturer, according to more investment cost |

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| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Implementing EURO IV standards in 2012</p> <hr/> <p>Important Actions you will take in 2013</p> | |
| “Improve” Strategy | 10 Establish effective vehicle testing and compliance regimes, including formal vehicle registration systems and appropriate periodic vehicle inspection and maintenance (I/M) requirements, with particular emphasis on commercial vehicles, to enforce progressive emission and safety standards, resulting in older | <p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p> | <p>Challenges faced in implementation:</p> <p>Vehicle inspection for license renewal is decenterised then it is difficult to control quality</p> |

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| | polluting commercial vehicles being gradually phased-out from the vehicle fleet, as well as testing and compliance regimes for vessels | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Study to improve I/M programme in Thailand</p> | |
| | | Important Actions you will take in 2013 | |
| ‘Improve’ Strategy | 11 Adopt Intelligent Transportation Systems (ITS), such as electronic fare and road user charging systems, transport control centres, and real-time user information, when applicable | <p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p> | Challenges faced in implementation: |
| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Policy for common ticketing project</p> | |
| | | Important Actions you will take in 2013 | |

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| “Improve” Strategy | 12 Achieve improved freight transport efficiency, including road, rail, air, and water, through policies, programmes, and projects that modernize the freight vehicle technology, implement fleet control and management systems, and support better logistics and supply chain management | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant The Federation of Thai Industry (FTI) under the corporation with Ministry of Energy and Ministry of Transport launch the pilot project on Logistics and Transport Management. This project aim to support energy efficiency and management system for logistic. | |
| | | Important Actions you will take in 2013 | |
| IV. <u>Cross-cutting</u> strategies | | | |

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| “Cross-Cutting” Strategy | 13 Adopt a zero-fatality policy with respect to road, rail, and waterway safety and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance requirements, and better post-accident care oriented to significant reductions in accidents and injuries | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Road Safety Action Plan 2011 – 2015. According to the UN Decade of Action for Road Safety 2011 – 2020. | |
| | | Important Actions you will take in 2013 | |

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| “Cross-Cutting” Strategy | 14 Promote monitoring of the health impacts from transport emissions and noise, especially with regard to incidences of asthma, other pulmonary diseases, and heart disease in major cities, assess the economic impacts of air pollution and noise, and devise mitigation strategies, especially aiding sensitive populations near high traffic concentrations | Any action had been taken so far? / <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant | |
| | | Important Actions you will take in 2013 | |
| “Cross-Cutting” | 15 Establish country-specific, progressive, health-based, cost-effective, and enforceable air quality and noise standards, also taking into account the WHO guidelines, and mandate monitoring and reporting in order to reduce the | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place / <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: Some resistance from manufacturer |

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| | occurrence of days in which pollutant levels of particulate matter, nitrogen oxides, sulphur oxides, carbon monoxide, and ground-level ozone exceed the national standards or zones where noise levels exceed the national standards, especially with regard to environments near high traffic concentrations | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>Mandate ambient VOC guideline in 2009</p> | |
| | | Important Actions you will take in 2013 | |
| “Cross-Cutting” Strategy | 16 Implement sustainable low-carbon transport initiatives to mitigate the causes of global climate change and to fortify national energy security , and to report the inventory of all greenhouse gases emitted from the transport sector in the National Communication to the UNFCCC | <p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p> | Challenges faced in implementation: |
| | | <p>Examples of pilot projects and/or policies developed or under development – include URLs where relevant</p> <p>The Master Plan of Sustainable Transport Development and Climate Change Mitigation. www.otp.go.th</p> | |

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| | | Important Actions you will take in 2013 | |
| “Cross-Cutting” Strategy | 17 Adopt social equity as a planning and design criteria in the development and implementation of transport initiatives, leading to improved quality, safety and security for all and especially for women, universal accessibility of streets and public transport systems for persons with disabilities and elderly, affordability of transport systems for low-income groups, and up-gradation, modernization and integration of intermediate public transport | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Policy for persons with disabilities and elderly. | |
| | | Important Actions you will take in 2013 | |

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|--------------------------|------------------|---|---|---|
| “Cross-Cutting” Strategy | 18 | Encourage innovative financing mechanisms for sustainable transport infrastructure and operations through measures, such as parking levies, fuel pricing, time-of-day automated road user charging, and public-private partnerships such as land value capture, including consideration of carbon markets, wherever feasible | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant Public Private Partnership is apply in some transport projects. | |
| | | | | Important Actions you will take in 2013 |
| “Cross-Cutting” Strategy | 19 | Encourage widespread distribution of information and awareness on sustainable transport to all levels of government and to the public through outreach, promotional campaigns, timely reporting of monitored indicators, and participatory | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |

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|--------------------------|--|---|-------------------------------------|
| | processes | Examples of pilot projects and/or policies developed or under development – include URLs where relevant | |
| | | Important Actions you will take in 2013 | |
| “Cross-Cutting” Strategy | 20 Develop dedicated and funded institutions that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable transport, and promote good governance through implementation of environmental impact assessments for major transport projects | Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box) | Challenges faced in implementation: |
| | | Examples of pilot projects and/or policies developed or under development – include URLs where relevant | |
| | | Important Actions you will take in 2013 | |