

**Intergovernmental Twelfth Regional Environmentally  
Sustainable Transport (EST) Forum in Asia**

**28-31 October 2019**

**Hanoi, Viet Nam**

*Achieving Smart and Resilient Cities Through Low-Carbon and  
Intelligent Transport System*

**Country Report**

**(Draft)**

**< Thailand >**

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

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## Country EST Report (covering from Mongolia EST Forum 2018 to Viet Nam EST Forum 2019)

a) Name of the Country: Thailand

b) Name, Designation and Line Ministry/Agency Respondent:  
Ministry of Transport

c) List other Line Ministries/Agencies contributing to preparation of the  
Country Report:

d) Reporting period: 2018-2019

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 environment-friendly transport in rapidly urbanizing Asia, the participating countries of the Fifth Regional EST Forum in Asia discussed and agreed on a goodwill and voluntary declaration - “**Bangkok Declaration for 2020 – Sustainable Transport Goals for 2010-2020.**” At the Seventh Regional EST Forum held in Bali in 2013, the participating countries adopted the “**Bali Declaration on Vision Three Zeros- Zero Congestion, Zero Pollution and Zero Accidents towards Next Generation Transport Systems in Asia**” reinforcing the implementation of Bangkok 2020 Declaration (2010-2020) with emphasis to zero tolerance towards congestion, pollution and road accidents in the transport policy, planning and development. Bali Vision Three Zeros calls for a paradigm shift in thinking on the role of motorization and mobility in realizing sustainable development in Asia. In the Eight Regional EST Forum in Colombo, member countries adopted the “**Colombo Declaration**” for the promotion of next generation low-carbon transport solutions in Asia. Subsequently, EST Forum held in Vientiane, Lao PDR in 2017, the member countries adopted the “**Vientiane Declaration on Sustainable Rural Transport towards Achieving the 2030 Agenda for Sustainable Development.**”

*Each member country of the Forum is kindly requested to prepare a consolidated country report (by **15 August 2019**) reflecting how EST trends and developments have taken place in the country from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019 around the Goals of the Bangkok 2020 Declaration as an interim assessment following the below format. You are most welcome to add extra pages or sections to share any major on-going initiatives or future plans, including mega transport projects, transport master plans, special transport corridor development, expansion of railways and rail route developments, etc.*

The objective of the country reporting is to share among international community the voluntary progress/achievements/initiatives include various challenges faced by countries in implementing each of the underlined goals of the Bangkok 2020 Declaration to realize the Bali Vision Three Zeros, the Colombo Declaration and the Vientiane Declaration. This would help development agencies, donors, development banks in assessing the sustainable transport needs and challenges to better devise their existing as well as future capacity building programs and operations in sustainable

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transport areas.

Timeline for submission by **15 August 2019.**

by email to: [est@uncred.or.jp](mailto:est@uncred.or.jp)

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.		
<b>I. Strategies to <u>Avoid</u> unnecessary travel and reduce trip distances</b>				
“Avoid” Strategy	1	Formally integrate <b>land-use and transport planning</b> processes and related institutional arrangements at the local, regional, and national levels	Any action had been taken so far? <input checked="" type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
	Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.			
	Examples of important actions that you plan to carry out in next year			

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Goal No.	Goal Description	<b>Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.</b>		
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?		
“Avoid” Strategy	2	Achieve <b>mixed-use development</b> and medium-to-high densities along key corridors within cities through appropriate land - use policies and provide people - oriented local access, and actively promote transit-oriented development (TOD) when introducing new public transport infrastructure	Any action had been taken so far? <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
			Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.  <i><u>Study and pilot project on Transport connectivity development at Phahonyotin Transportation Hub.</u></i> <i><u>URLs: <a href="http://phahonyotin.mouchel.co.th">phahonyotin.mouchel.co.th</a></u></i>	
			Examples of important actions that you plan to carry out in next year	

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Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><i>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</i></p> <p><i>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</i></p>	
"Avoid" Strategy	<p>3 Institute policies, programmes, and projects supporting <b>Information and Communications Technologies</b> (ICT), such as internet access, teleconferencing, and telecommuting, as a means to reduce unneeded travel</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input checked="" type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	<p>Barriers/Challenges faced in implementation:</p>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p><i>Ministry of Transport by Office of Transport and Traffic Planning and Policy has been studied the Intelligent Transport System (ITS) Development Master Plan. The plan is currently under proposed to the ministry and the Commission of the Management of Road Traffic for approving before collaborating the master plan with other related agencies respectively. The ITS development in Thailand is now focused on GPS tracking system on vehicles and the proposal of Public Transport Information Standard in ITS.</i></p>	

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		Examples of important actions that you plan to carry out in next year		
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <u>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</u> <u>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</u>		
<b>II. Strategies to <u>Shift</u> towards more sustainable modes</b>				
"Shift" Strategy	4	Require <b>Non-Motorized Transport</b> (NMT) components in transport master plans in all major cities and prioritize transport infrastructure investments to NMT, including wide-scale improvements to	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <i>Not much user</i> <i>Not enough good bicycle parking lots</i> <i>Afraid of accident</i>

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Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	pedestrian and bicycle facilities, development of facilities for intermodal connectivity, and adoption of complete street design standards, wherever feasible	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p><i>- Office of Transport and Traffic Policy and Planning (OTP) studied and developed NMT policies include in transport master plan in all major cities over the country.</i></p> <p><i>- The length of the available bicycle path is 566.13 km. over the country, the length under construction is 715.39 km. This current bicycle path are under responsibility of Ministry of transport, Bangkok Metropolitan Administration and Ministry of Tourism and sport.</i></p>
		Examples of important actions that you plan to carry out in next year
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><i><u>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</u></i></p> <p><i><u>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</u></i></p> <p><i><u>Paris agreement : Thailand's NDC in Transport sector</u></i></p>

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“Shift” Strategy	5 Improve <b>public transport</b> 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 progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:  - <u>Not enough feeder to connect point to point</u>
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.  - <i>Mass rapid transit (MRT) in Bangkok metropolitan : 5 routes with 109.8 k.m. length</i> - <i>New fleet of public buses (low emission vehicles e.g Electric buses, NGV and Hybrid will be introduce)</i>	
		Examples of important actions that you plan to carry out in next year - <i>31 k.m. construction completed and will operate by end of 2019</i> - <i>339.2 k.m. are under construction</i>	

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		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><i>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</i></p> <p><i>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</i></p> <p><i>Paris agreement : Thailand's NDC in Transport sector</i></p>	
"Shift" Strategy	<p>6 Reduce the urban transport mode share of private motorized vehicles through <b>Transportation Demand Management</b> (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 checked="" type="checkbox"/> Some progress (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>Barriers/Challenges faced in implementation:</p>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p>- <i>"Sathorn Model project" in Bangkok area <a href="http://www.sathornmodel.com">www.sathornmodel.com</a></i></p> <p>- <i>OTP studies on Traffic Demand Management in Bangkok Metropolitan Area</i></p> <p><a href="http://www.otp.go.th/index.php/edureport/view?id=26">www.otp.go.th/index.php/edureport/view?id=26</a></p>	

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		<p>Examples of important actions that you plan to carry out in next year</p> <hr/> <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><i>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</i></p> <p><i>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</i></p> <p><i>Paris agreement : Thailand's NDC in Transport sector</i></p>	
"Shift" Strategy	7 Achieve significant shifts to more sustainable modes of <b>inter-city passenger and goods transport</b> , including priority for high-quality long distance bus, inland water transport, high-speed rail over car and	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:

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	air passenger travel, and priority for train and barge freight over truck and air freight by building supporting infrastructure such as dry inland ports	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p><u>- New development of double track over the country from 2017 -2027 approximately 3157 km.</u>  <u>- 293 k.m. are operating</u>  <u>- High speed train from 2017 – 2027 : 8 route approximately 2506 k.m.</u></p> <p>Examples of important actions that you plan to carry out in next year</p> <p>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><u>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</u>  <u>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</u>  <u>Paris agreement : Thailand’s NDC in Transport sector</u></p>
<b>III. Strategies to <u>Improve</u> transport practices and technologies</b>		

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‘Improve’ Strategy	8 Diversify towards more sustainable <b>transport fuels and technologies</b> , 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 checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <u>- Electric vehicles and Hybrid vehicle are in market</u> <u>- EV charging stations are in place</u>	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <u>Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all</u> <u>Paris agreement : Thailand’s NDC in Transport sector</u>	

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"Improve" Strategy	9 Set progressive, appropriate, and affordable <b>standards</b> 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 progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <u>- Implementing of Euro standards to new vehicles.</u> <u>-Right now, all passenger cars, vans and light duty vehicles are in Euro IV and will be up to Euro V in 2023</u> <u>- Buses and trucks are Euro 3 standard and will be up to Euro V in 2026</u> <u>- Motorcycles is under EC standard and can comply as Euro 4 in 2026</u>	
		Examples of important actions that you plan to carry out in next year	

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		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement? <u>Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all</u>	
"Improve" Strategy	10 Establish effective vehicle testing and compliance regimes, including formal vehicle registration systems and appropriate periodic vehicle <b>inspection and maintenance</b> (I/M) requirements, with particular emphasis on commercial vehicles, to enforce progressive emission and safety standards, resulting in older polluting commercial vehicles being gradually phased-out from the vehicle fleet, as well as testing and compliance regimes for vessels	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input checked="" type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation: <i>I/M Programme is in line with in-use vehicle standards. Meanwhile, the standards are established and improved, but in reality they cannot be fully implemented by in inspection centers.</i>
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.  Improve vehicle testing protocol	
		Examples of important actions that you plan to carry out in next year	

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		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><u>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</u></p> <p><u>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</u></p>	
"Improve" Strategy	<p>11 Adopt <b>Intelligent Transportation Systems</b> (ITS), such as electronic fare and road user charging systems, transport control centres, and real-time user information, when applicable</p>	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input checked="" type="checkbox"/> Some progress (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>Barriers/Challenges faced in implementation:</p> <p><i>Office of Transport and Traffic Policy and Planning (OTP) ever studied and implemented a pilot project on ITS but it not really successful in term of implementation due to high cost of investment, operation and maintenance.</i></p>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p>	

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		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	
"Improve" Strategy	12 Achieve improved <b>freight transport</b> 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 checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:
		Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.  <u><i>Freight management and Eco driving training courses are carry out throughout this year.</i></u>	

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		Examples of important actions that you plan to carry out in next year		
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving the Sustainable Development Goals (SDGs) under the 2030 Agenda for Sustainable Development? <u>Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation</u> <u>Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable</u> <u>Paris agreement : Thailand's NDC in Transport sector</u>		
<b>IV. Cross-cutting strategies</b>				
"Cross-Cutting"	13	Adopt a zero-fatality policy with respect to road, rail, and waterway <b>safety</b> and implement appropriate speed control, traffic calming strategies, strict driver licensing, motor vehicle registration, insurance	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box	Barriers/Challenges faced in implementation: <i>Law enforcement is not enough strict</i>

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	requirements, and better post-accident care oriented to significant reductions in accidents and injuries	Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant. <i><u>Black spot inspection and improvement are in progress along highway and rural highway.</u></i> <i><u>Red-light cameras are in place in many intersection throughout the country</u></i>		
		Examples of important actions that you plan to carry out in next year		
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?  <i><u>Goal 3. Ensure healthy lives and promote well-being for all at all ages</u></i>		
“Cross-Cutting”	14	Promote monitoring of the <b>health</b> 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	<p>Any action had been taken so far?</p> <input type="checkbox"/> Not yet <input checked="" type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:

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	impacts of air pollution and noise, and devise mitigation strategies, especially aiding sensitive populations near high traffic concentrations	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p><i>Ministry of Public Health going to implement National Adaptation Plan related to Climate Change and environment.</i></p> <p><a href="http://www.onep.go.th/wp-content/uploads/National-Adaptation-Plan.pdf">http://www.onep.go.th/wp-content/uploads/National-Adaptation-Plan.pdf</a></p>	
		<p>Examples of important actions that you plan to carry out in next year</p>	
		<p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p><i>Paris Agreement : National Adaptation Plan</i></p>	
"Cross-Cutting"	15 Establish country-specific, progressive, health-based, cost-effective, and enforceable <b>air quality and noise</b> standards, also taking into account the WHO guidelines, and mandate monitoring	<p>Any action had been taken so far?</p> <p><input type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input checked="" type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	Barriers/Challenges faced in implementation:

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	and reporting in order to reduce the 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>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <p><i>Implementation of National Ambient Air Quality Standards (NAAQS), and continuously improve time by time.</i></p> <p><a href="http://www.pcd.go.th">www.pcd.go.th</a></p>	
		Examples of important actions that you plan to carry out in next year	
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	
"Cross-Cutting"	16 Implement sustainable low-carbon transport initiatives to mitigate the causes of <b>global climate change</b> and to fortify national <b>energy security</b> , and to report the inventory of all greenhouse gases emitted from the	Any action had been taken so far? <input type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input checked="" type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:

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Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
		transport sector in the National Communication to the UNFCCC	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <ul style="list-style-type: none"> <li>- Thailand Nationally Determined Contribution (NDC) aims to reduce GHG 20-25 % from BAU in 2030</li> <li>-Ministry of Transport : Nationally Determined Contribution Action plan in Transport sector have target to reduce GHG 31 MltCO<sub>2</sub></li> </ul> <p><a href="http://www.otp.go.th/uploads/tiny_uploads/ProjectOTP/2561/Project08/NDC.pdf">http://www.otp.go.th/uploads/tiny_uploads/ProjectOTP/2561/Project08/NDC.pdf</a></p>
			Examples of important actions that you plan to carry out in next year
			<p>What importance does this particular EST Goal attach in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p> <p>Paris agreement : NDC roadmap and NDC action plan</p>
“Cross-Cutting”	17	Adopt <b>social equity</b> 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	<p>Any action had been taken so far?</p> <p><input checked="" type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (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>Barriers/Challenges faced in implementation:</p>

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.	
	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	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p> <hr/> <p>Examples of important actions that you plan to carry out in next year</p> <hr/> <p>What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p>	
"Cross-Cutting"	18 Encourage innovative <b>financing</b> 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	<p>Any action had been taken so far?</p> <p><input checked="" type="checkbox"/> Not yet</p> <p><input type="checkbox"/> Some progress (design – piloting)</p> <p><input type="checkbox"/> Largely in Place</p> <p><input type="checkbox"/> Fully Completed</p> <p>(Please Check the box)</p>	Barriers/Challenges faced in implementation:

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.		
		partnerships such as land value capture, including consideration of carbon markets, wherever feasible	Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.	
			Examples of important actions that you plan to carry out in next year	
			What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	
"Cross-Cutting"	19	Encourage widespread distribution of <b>information and awareness</b> on sustainable transport to all levels of government and to the public through outreach, promotional campaigns, timely reporting of monitored	Any action had been taken so far? <input checked="" type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:

# 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.		
		indicators, and participatory processes	Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.	
			Examples of important actions that you plan to carry out in next year	
			What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?	
"Cross-Cutting"	20	Develop dedicated and funded <b>institutions</b> that address sustainable transport-land use policies and implementation, including research and development on environmentally-sustainable	Any action had been taken so far? <input checked="" type="checkbox"/> Not yet <input type="checkbox"/> Some progress (design – piloting) <input type="checkbox"/> Largely in Place <input type="checkbox"/> Fully Completed (Please Check the box)	Barriers/Challenges faced in implementation:

## 12th Regional EST Forum in Asia, 28-31 October 2019, Hanoi, Viet Nam

Goal No.	Goal Description	Voluntary Progress/Achievements/Major Initiatives, including any transport master plans, development of special transport corridors, in Implementing the Bangkok 2020 Declaration from the Mongolia EST Forum 2018 to the Viet Nam EST Forum 2019.
	transport, and promote good <b>governance</b> through implementation of environmental impact assessments for major transport projects	<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions. Please attach reports or include websites where relevant.</p>
		Examples of important actions that you plan to carry out in next year
		What importance does this particular EST Goal attach in your country's on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?

Major policy initiatives/projects/action plan to improve rural access:

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“Cross-Cutting” Strategy	<p>Take policy initiatives to <b>improve rural access</b> leading to improved quality, safety and security for all and especially for women, disadvantaged groups persons with disabilities and elderly, low-income groups, access to farms, agriculture centers, education and health</p>	<p>List some of actions taken to improve rural access in your country so far?</p>	<p>Barriers/Challenges faced <b>in improving rural connectivity:</b></p>
		<p>Please add few specific examples of initiatives, pilot projects, major policies or programmes developed or under development (or) any major investment decisions to <b>improve rural access</b>. Please attach reports or include websites where relevant.</p>	
		<p>Examples of important actions that you plan to carry out in next year</p>	
		<p>Importance of improving <b>rural access</b> in your country’s on-going efforts in achieving (a) the Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate Agreement?</p>	