

**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)**

**< Lao People's Democratic Republic >**

---

This country report was prepared by the Government of Lao People's Democratic Republic 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.

# 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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

a) Name of the Country:

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

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 2018**) 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 transport areas.

# 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

Timeline for submission by **15 August 2018.**

by email to: [est@uncrd.or.jp](mailto:est@uncrd.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	<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:
	<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>Urban transport master plan study project (the MP project) donated by JICA has started on December 2018 and on the way to formulate the master plan using Land-use plan which is going to be approved by the government and transport planning.</p>			
	<p>Examples of important actions that you plan to carry out in next year</p> <p>Some staff from Ministry of public works and transport, Department public works and transport Vientiane Capital, take part in the MP project and work with Japanese experts to develop the MP.</p>			

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<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>The Master Plan which is developed by considering public transportation and land-use plan can contribute to "7: SUSTAINABLE CITIES AND COMMUNITIES". City development based on public transportation can contribute the reduction of CO2.</p>	
"Avoid" Strategy	<p>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</p>	<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>
		<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>Examples of important actions that you plan to carry out in next year</p>	

# 12th Regional EST Forum in Asia, 28-31 October 2018, 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.	
		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	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	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	

# 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

<b>Goal No.</b>	<b>Goal Description</b>	<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?	
<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	<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)
			<p>Barriers/Challenges faced in implementation:</p> <ol style="list-style-type: none"> <li>1. Revolving fund</li> <li>2. Private operator interest.</li> </ol>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>
	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>Government of Laos (GOL) is implementing Vientiane Sustainable Urban Transport Project “VSUTP”. The project composes of five main components, one of other component is Non-Motorized Transport (NMT). This sub-project will provide 150 E-pedicabs and these vehicles will serv as feeder a long BRT corridor in order to accommodate people from one BRT station to another station. Project will procure private operator to operate business, rider can call and even books his/her trip by using Application through smart phone. The first tranche of 75 E-pedicabs will be purchase by year 2019.</p>
		<p>Examples of important actions that you plan to carry out in next year</p> <p>The VSUTP is currently updated conceptual design. Now, consultant team is speeding up to complete preliminary design and detail design by end of 2019. On the other hand, the project was finished design for demonstration project. This sub-project will improve road surface, sidewalk and re-organize parking space of 214 meters a long Chao Anou road, Chanthabuly district. The civil work will be complete by 3 months and construction will be commenced after compensation was carried out by the government.</p>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<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>The Demonstration project will upgrade the pedestrian and side walk along the Chao Anou road 214 m. It will provide a better environment, better quality of live around project area as well as promote bicycle lane.</p>	
“Shift” Strategy	<p>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</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> <ol style="list-style-type: none"> <li>1. Counterpart Funding</li> <li>2. Land acquisition</li> <li>3. Resettlement and compensation</li> </ol>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>
		<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>The VSUTP will improve urban transport operations and services by introduce High Quality Bus Rapid Transit (BRT) system. BRT corridor was extended from existing distance of 11.5KM to 12.9KM with dedicated lane (bus lane). About 115 BRT buses will serve local citizens and visitors in whole bus network in Vientiane from 6:00 am to 6:30 pm. BRT bus will run every 5 minutes during peak and 15 minutes off peak. Ticketing and Fare Collection System is under develop. Cashless will be applied in payment system as well. The BRT is planned to start operation in Mid 2022.</p>
		<p>Examples of important actions that you plan to carry out in next year</p> <p>By end of 2019, detail design will be finalized and submit to the client for approval;</p> <p>Qrt 1 of 2020, start to bid the BRT infrastructure, vehicle, equipment and estimate project management cost ;</p> <p>By end of 2020, start civil works, manufacture BRT vehicle;</p> <p>By end of 2021, operation testing.</p> <p>Mid 2022, start operation.</p>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<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>The project will promote to use electric buses and electric pedicab which are pure energy consumption. Given that project is aim at reduce GHG by reduction of CO2, also encourage government's strategy on Green Clean City for better live.</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>As a social experiment, public transportation priority system (PTPS) on a main corridor in Vientiane has been carries out to encourage people to use the city buses.</p>	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<p>Examples of important actions that you plan to carry out in next year</p> <p>The management for the PTPS will be discussed for this implementation aiming promotion of public buses and increasing mode share on public transportation.</p> <p>In addition, the result will be referred by the BRT project which is ongoing.</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>The Policy of priority on public transportation can lead more ridership on public transportation and mitigate too much increase on personal vehicles, and which can contribute "7: SUSTAINABLE CITIES AND COMMUNITIES". City development based on public transportation can contribute the reduction of CO2.</p>	
"Shift" Strategy	7	<p>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</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>Financial resource, human resource, experience, and technologies are still lacking.</p>

## 12th Regional EST Forum in Asia, 28-31 October 2018, 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.
	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>To facilitate goods transport, current Decree on Dry Port and Regulation on Truck Terminal are being draft and expected to be approved by the end of 2020. This will support dry port activities, which are expected to be intense during the upcoming years.</p>
		<p>Examples of important actions that you plan to carry out in next year</p> <p>Submit the regulation to the government for consideration.</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>This activity supports SDG 9, 11, 12, 15 and 16.</p>
<p><b>III. Strategies to <u>Improve</u> transport practices and technologies</b></p>		

# 12th Regional EST Forum in Asia, 28-31 October 2018, 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.	
“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: Limitation on human resources
		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. <ol style="list-style-type: none"> <li>1. Developed new Motor Vehicle Law</li> <li>2. Revised the Existing regulations related on the Vehicle Technical Approval for Importation and Registration in Lao PDR</li> <li>3. Feasibility on BRT project under Vientiane Urban Sustainable Transport Project VUSTP</li> <li>4. Demonstration the Charging station for Passenger cars in Vientiane capital, under Renewable Energy institute Ministry of Energy and Mine</li> </ol>	
		Examples of important actions that you plan to carry out in next year Submit the Motor Vehicle Law to National Assembly for approved	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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?	
"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 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: Limitation on test facility for fuel quality test
		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. <ol style="list-style-type: none"> <li>1. Implemented the fuel Standard by Ministry of Science and Technology,                             <ul style="list-style-type: none"> <li>- Diesel, Issued No: 0534/MOST, dated 3 Jun 2016</li> <li>- Gasoline, Issued No:0536/MOST, dated 3 Jun 2016</li> </ul> </li> </ol>	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<p>Examples of important actions that you plan to carry out in next year</p> <ol style="list-style-type: none"> <li>1. Adoption the ASEAN Mutual Recognition Arrangement “MRA” on Automotive Products as National Regulation, particularly Fuel standard for importation vehicles in Laos PDR for EURO 3 thought EURO 4</li> <li>2. Setting up the Electric Vehicles standard referring on UNR 100 (passenger car), and Charge Type</li> </ol>	
		<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>	
“Improve” Strategy	<p>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</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>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>
	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	<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> <ol style="list-style-type: none"> <li>1. Feasibility study on Automotive Testing in Lao PDR (on progress)</li> <li>2. Developed new regulation on Establishment Vehicle Inspection Center in Lao PDR (on progress)</li> <li>3. Implemented the Used cars Banned for imported in Lao PDR, Notice No: 78/PM, dated 3 July 2012.</li> </ol>
		<p>Examples of important actions that you plan to carry out in next year</p> <ol style="list-style-type: none"> <li>1. Adoption the ASEAN Mutual Recognition Arrangement “MRA” on Automotive Products as National Regulation, particularly Breaking R13, R13H, Tire R54, R75</li> <li>2. Developed new Vehicle Type Approval VTA referring by UN Regulations (Model Based)</li> </ol>
		<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>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
“Improve” Strategy	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	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.  Design of an intelligent transportation system (ITS) for the public bus transport in Vientiane on going. In addition, piloting of a Data for Road Incident Visualization, Evaluation and Report system (DRIVER) started to provide updated traffic safety data to stakeholders.	
		Examples of important actions that you plan to carry out in next year  Procurement of ITS for public bus transport in Vientiane, plan for nation-wide roll-out of DRIVER.	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<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>DRIVER will support other efforts to achieve SDG 3.6 (Halve road deaths and injuries by 2020). ITS and DRIVER will support SDG11.2 (make cities &amp; human settlements inclusive, safe, resilient &amp; sustainable by 2030). ITS is supporting the promotion of public transport in Vientiane and will contribute to reduction of greenhouses gases as all public bus transport will be electric. Therefore supporting the New Urban Agenda and the Paris Climate Agreement to limit temperature raise by contributing to reduced greenhouse gases.</p>	
“Improve” Strategy	<p>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</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>Financial resources, human resources and technologies are still lacking in the development of dry port, railway construction, and logistics development.</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>To improve freight transport, one dry port has been opened as a hub to consolidate freight value and ensure two way cargos. Moreover, railway construction is on schedule, which is expected to be operated in 2021.</p>	

# 12th Regional EST Forum in Asia, 28-31 October 2018, 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.	
		<p>Examples of important actions that you plan to carry out in next year</p> <p>Now, there are four dry ports under feasibility studies. Some of these are expected to complete the study this year, which is expected to start the construction next year.</p> <hr/> <p>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?</p> <p>This freight transport improvement and development, especially on dry ports and railways development contributes to SDG 8, 9, 11, 12, 16 and 17.</p>	
<b>IV. <u>Cross-cutting</u> strategies</b>			
“Cross-Cutting” Strategy	13	<p>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 requirements, and better post-accident care oriented to significant reductions in accidents and injuries</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>The following critical issues were identified in the preparation of the strategy:</p> <ul style="list-style-type: none"> <li>• Leadership</li> <li>• Road safety management systems</li> <li>• Road design and management</li> <li>• Motorcycle safety</li> <li>• Driver licensing</li> <li>• Enforcement</li> </ul> <p>Other issues, such as speed management, lack of safety regulations for vehicle imports, and trauma management systems.</p>

## 12th Regional EST Forum in Asia, 28-31 October 2018, 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.
		<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>The Ministry of Public Works and Transport has been preparing a National Road Safety Strategy to 2030 and a National Road Safety Action Plan to 2025, in consultation with stakeholders and provinces, for approval by the Government of Laos. It is planned to present the final documents for approval by the Government in December 2019, in advance of the 3<sup>rd</sup> Global Ministerial Conference on Road Safety in Stockholm in February.</p> <p>Eight strategic directions have been prepared in response to a critical analysis of the current and expected future environment in Laos: Promote the safe system approach; Strengthen road safety governance &amp; leadership; Upgrade data, monitoring &amp; evaluation systems; Tackle motorcycle safety; Sustained rider/driver enforcement &amp; campaigns; Regulate vehicle safety technology; Demonstrate and rollout safe road environments; Invest in post-crash response</p> <p>Roles and responsibilities under the strategy have been defined for the six Ministries which form the National Road Safety Committee. A National Road Safety Secretariat, chaired by the Vice Minister of the Ministry of Public Works and Transport is being established to act as the primary coordinating body, in support of the Ministerial Committee, and it is intended to establish a dedicated road safety unit within the Ministry. 32 actions have been identified to implement the strategy, sequentially delivering on the eight strategic directions.</p>

## 12th Regional EST Forum in Asia, 28-31 October 2018, 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.
		<p>Examples of important actions that you plan to carry out in next year</p> <p>Highest priority within the National Road Safety Action Plan is proposed for the following actions:</p> <ul style="list-style-type: none"> <li>• Institutional Strengthening – to support the lead agency function within the Ministry of Public Works and Transport and inter-agency collaboration</li> <li>• Capacity Building – to support cross agency leadership development and professional road safety capability at both a national and provincial level</li> <li>• Road Crash Data – to develop an electronic crash database, using the open-source DRIVER system made available through the World Bank</li> <li>• Motorcycle Safety Enforcement – to gain quick wins through an enforcement led campaign to tackle very high levels of non-compliance regarding helmet wearing and unlicensed riding</li> <li>• Traffic Police Development – systematic capacity building, leadership and officer training, general deterrence strategy and planning, equipment investment, program demonstration and rollout addressing helmets, seatbelts, speeding and drink driving.</li> </ul>

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		<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>The work is fully aligned with the United Nations Decade of Action on Road Safety 2011-2020, and the UN Sustainable Development Goals. The strategy and action plan include national fatality and serious injury targets to 2030 as well as safety performance factors based on the voluntary road safety performance targets set by UN Member Nations in support of the SDGs.</p>	
“Cross-Cutting” Strategy	<p>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 impacts of air pollution and noise, and devise mitigation strategies, especially aiding sensitive populations near high traffic concentrations</p>	<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>
		<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>Examples of important actions that you plan to carry out in next year</p>	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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?	
“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 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	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	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
	traffic concentrations	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" Strategy	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 transport sector in the National Communication to the UNFCCC	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	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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?	
“Cross-Cutting” Strategy	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 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 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	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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?	
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 partnerships such as land value capture, including consideration of carbon markets, wherever feasible	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:
“Cross-Cutting” Strategy		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.	

## 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

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>	
		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” Strategy	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 indicators, and participatory processes	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.	

## 12th Regional EST Forum in Asia, 28-31 October 2018, 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.		
		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 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:

## 12th Regional EST Forum in Asia, 28-31 October 2018, 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> <p>To discuss the issues on the urban transportation in Vientiane, Congestion and Traffic Management Committee in Vientiane Capital (CTMC) chaired by Mayer of Vientiane Capital has been established.</p>
		<p>Examples of important actions that you plan to carry out in next year</p> <p>CTMC members will discuss the urban transport issues which will be revealed through the MP project activities.</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>(a) CTMC can determine measures for solving urban transport issues based on public transportation priority policy, and which will contribute "7. SUSTAINABLE CITIES AND COMMUNITIES".</p> <p>(b)</p> <p>(c) City development based on public transportation can contribute the reduction of CO2.</p>

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

# 12th Regional EST Forum in Asia, 28-31 October 2018, Hanoi, Viet Nam

“Cross-Cutting” Strategy	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	List some of actions taken to improve rural access in your country so far?	Barriers/Challenges faced <b>in improving rural connectivity:</b>
		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.	
		Examples of important actions that you plan to carry out in next year	
		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?	