#### **Intergovernmental Eleventh Regional Environmentally**

Sustainable Transport (EST) Forum in Asia

2-5 October 2018 Ulaanbaatar, Mongolia

Sustainable Urban Design and Development ~ Role of EST

#### **Country Report**

(Draft)

< Republic of Korea >

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

Country EST Report (covering from Lao EST Forum 2017 to Mongolia EST Forum 2018) a) Name of the Country: Republic of Korea

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

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

d) Reporting period: 2017-2018

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 <u>15 August 2018</u>) reflecting how EST trends and developments have taken place in the country from Lao EST Forum 2017 to Mongolia EST Forum 2018 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.

#### Timeline for submission by <u>15 August 2018.</u>

by email to: est@uncrd.or.jp

| Goa              | al    | Goal Description                               | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,    |  |
|------------------|-------|--|---|--|--|
| No.              |       |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration      |  |  |
|                  |       |  | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.                                   |  |  |
| I.S              | trate | gies to <u>Avoid</u> unnecessary travel and re | educe trip distances  |  |  |
|                  | 1     | Formally integrate land-use and                | Any action had been taken so far?   | Barriers/Challenges faced in implementation:             |  |
|                  |       | transport planning processes and               | $\Box$ Not yet  | N/A  |  |
|                  |       | related institutional arrangements at          | $\Box$ Some progress (design – piloting)  |  |  |
|                  |       | the local, regional, and national levels       | ☑ Largely in Place  |  |  |
|                  |       |  | □ Fully Completed   |  |  |
|                  |       |  | (Please Check the box)  |  |  |
|                  |       |  | Please add few specific examples of initiatives, pilot projects, major policies or programmes |  |  |
| gy               |       |  | developed or under development (or) any major investment decisions. Please attach reports or  |  |  |
| trate            |       |  | include websites where relevant.  |  |  |
| "Avoid" Strategy |       |  | To integrate land-use and transport plan  | ning and balance environment protection and              |  |
| voic             |       |  | economic development, plans and impact  | studies are mandated. At national level Comprehensive    |  |
| ¥,,              |       |  | Land Development Master Plan and Natio  | onal Backbone Network Plan are built every 10 year. At   |  |
|                  |       |  | city level City Master Plan and Urban Tra   | affic Improvement Plan are built every 10 year. At       |  |
|                  |       |  | project level, for any development project  | with its size over a predefined threshold, its effect on |  |
|                  |       |  | environment and traffic must be reviewed  | before the implementation.                               |  |
|                  |       |  | Examples of important actions that you pl   | an to carry out in next year                             |  |
|                  |       |  | The mentioned plans are revised per   | iodically. Especially, the fifth Comprehensive Land      |  |
|                  |       |  | Development Master Plan will be built ne.   | xt year considering the increasing importance of safety, |  |
|                  |       |  | smart cities, sustainability, and so on.  |  |  |

| Go               | al | Goal Description                      | Voluntary Progress/Achievements/Major Init  | iatives, including any transport master plans,    |  |
|------------------|----|---------------------------------------|---|---|--|
| No.              | •  |                                       | development of special transport corridors, in Implementing the Bangkok 2020 Declaration                                    |   |  |
|                  |    |                                       | from the Lao EST Forum 2017 to the Mongol   | ia EST Forum 2018.                                |  |
|                  |    |                                       | What importance does this particular EST Go   | al attach in your country's on-going efforts in   |  |
|                  |    |                                       | achieving (a) the Sustainable Development Ge  | oals (SDGs), (b) New Urban Agenda, and (c)        |  |
|                  |    |                                       | Paris Climate Agreement?<br>The plans and studies will shift from focusing on economic growth and efficiency to sustainable |   |  |
|                  |    |                                       |   |   |  |
|                  |    |                                       | growth which are affected by SDGs.  |   |  |
|                  | 2  | Achieve <b>mixed-use development</b>  | Any action had been taken so far?   | Barriers/Challenges faced in implementation:      |  |
|                  |    | and medium-to-high densities along    | $\Box$ Not yet  | Complaints of local residents or owners of        |  |
|                  |    | key corridors within cities through   | □ Some progress (design – piloting)   | target areas and buildings                        |  |
|                  |    | appropriate land - use policies and   | ☑ Largely in Place  |   |  |
|                  |    | provide people - oriented local       | □ Fully Completed   |   |  |
| y                |    | access,                               | (Please Check the box)  |   |  |
| "Avoid" Strategy |    | and actively promote transit-oriented | Please add few specific examples of initiative  | s, pilot projects, major policies or programmes   |  |
| Str              |    | development (TOD) when                | developed or under development (or) any majo  | or investment decisions. Please attach reports or |  |
| oid"             |    | introducing new public                | include websites where relevant.  |   |  |
| οΛΥ,             |    | transport infrastructure              | City Master Plan and Urban Traffic Improvement Plan include strategies of mixed land-use                                    |   |  |
| •                |    |                                       | development. The national government or city governments can designate an area with public                                  |   |  |
|                  |    |                                       | transport stations as TOD Area, in which detail   | led land-use and transport development plans      |  |
|                  |    |                                       | should be provided. In terms of an institutional s  | trategy, Rail-Oriented Development and Use        |  |
|                  |    |                                       | Law for TOD Realization was established to sup  | port reinforcing TOD Realization in 2010. The     |  |
|                  |    |                                       | law gives details to achieve TOD development in   | cluding budget, feedback, implementing agent      |  |
|                  |    |                                       | and so on.  |   |  |

| Go               | al | Goal Description                     | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,                                    |  |  |
|------------------|----|--------------------------------------|---|--|--|--|
| No               | •  |                                      | development of special transport corridors, in Implementing the Bangkok 2020 Declaration                                      |  |  |  |
|                  |    |                                      | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.   |  |  |  |
|                  |    |                                      | Examples of important actions that you pla  | an to carry out in next year   |  |  |
|                  |    |                                      | KTX(Korea Train Express) Ulsan TOD F  | Phase II, New Jinjoo TOD, Yeojoo Station TOD, and  |  |  |
|                  |    |                                      | many other areas will be completed. These   | many other areas will be completed. These areas area commonly located at existing KTX or |  |  |
|                  |    |                                      | normal rail station areas with high deman   | d and floating population.   |  |  |
|                  |    |                                      | What importance does this particular ES   | ST Goal attach in your country's on-going efforts in                                     |  |  |
|                  |    |                                      | achieving (a) the Sustainable Developm  | ent Goals (SDGs), (b) New Urban Agenda, and (c)  |  |  |
|                  |    |                                      | Paris Climate Agreement?  |  |  |  |
|                  |    |                                      | It contributes to reducing travel distance of trips and consequently helping reduce energy                                    |  |  |  |
|                  |    |                                      | consumption and GHG emission.   |  |  |  |
|                  | 3  | Institute policies, programmes, and  | Any action had been taken so far?   | Barriers/Challenges faced in implementation:   |  |  |
|                  |    | projects supporting Information and  | $\Box$ Not yet  | Face-to-face working culture makes telework and  |  |  |
|                  |    | <b>Communications</b> Technologies   | Some progress (design – piloting)   | teleconference less preferred.   |  |  |
|                  |    | (ICT), such as internet access,      | $\Box$ Largely in Place   |  |  |  |
| gy               | 5  | teleconferencing, and telecommuting, | □ Fully Completed   |  |  |  |
| "Avoid" Strategy |    | as a means to reduce unneeded travel | (Please Check the box)  |  |  |  |
| d" S             |    |                                      | Please add few specific examples of ini-  | tiatives, pilot projects, major policies or programmes                                   |  |  |
| voi              |    |                                      | developed or under development (or) any major investment decisions. Please attach reports or                                  |  |  |  |
| ¥,,              |    |                                      | include websites where relevant.<br>Ministry of the Interior and safety provides 17 smart work centers, equipped with working |  |  |  |
|                  |    |                                      |   |  |  |  |
|                  |    |                                      | spaces, meeting rooms, and telecommunication equipment in Seoul Metropolitan Area and   |  |  |  |
|                  |    |                                      | Sejong-si (where government complex bui   | ldings are located). Many more telework centers  |  |  |
|                  |    |                                      | provided by private companies are availab   | ble.   |  |  |

| Go  | al     | Goal Description                                      | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,      |  |
|---|--------|---|--|--|--|
| No  | •      |   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |  |  |
|   |        |   | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                    |  |
|   |        |   | Examples of important actions that you pla   | an to carry out in next year                               |  |
|   |        |   | In 2018, Sejong and Busan cities were se   | elected as smart city model towns. For coming 5 years,     |  |
|   |        |   | many pilot projects will be conducted in a   | order to evaluate feasibility, time, cost, adverse events, |  |
| and so on. In addition, national smart city plans will be included in |        | ity plans will be included in The fifth Comprehensive |  |  |  |
| Land Development Master Plan in 2019 to expand and suppor             |        | expand and support smart city development.            |  |  |  |
|   |        |   | What importance does this particular ES  | ST Goal attach in your country's on-going efforts in       |  |
|   |        |   | achieving (a) the Sustainable Developm   | ent Goals (SDGs), (b) New Urban Agenda, and (c)            |  |
|   |        |   | Paris Climate Agreement?   |  |  |
|   |        |   | Telework using ICT technologies help rea   | ducing unneeded travel. The national government            |  |
|   |        |   | recognized the importance and encourage  | s public authorities and private companies to be           |  |
|   |        |   | equipped with supporting ICT environmen  | ts.  |  |
| II.   | Strate | egies to <u>Shift</u> towards more sustainable        | e modes  |  |  |
| 1   | 4      | Require Non-Motorized Transport                       | Any action had been taken so far?  | Barriers/Challenges faced in implementation:               |  |
| tegy  | 5      | (NMT) components in transport                         | $\Box$ Not yet   | Rolling terrain in most Korean cities makes bicycles       |  |
| Strategy  |        | master plans in all major cities and                  | Some progress (design – piloting)  | less popular mode and also existing motorized cities       |  |
| ft";  |        | prioritize transport infrastructure                   | $\Box$ Largely in Place  | requires much time to shift from MT to NMT                 |  |
| "Shift"   |        | investments to NMT, including                         | □ Fully Completed  |  |  |
| •   |        | wide-scale improvements to                            | (Please Check the box)   |  |  |

| Goa              | ıl | Goal Description                         | Voluntary Progress/Achievements/Maj   | or Initiatives, including any transport master plans,   |  |
|------------------|----|--|---|---|--|
| No.              |    |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration        |   |  |
|                  |    |  | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.                                     |   |  |
|                  |    | pedestrian and bicycle facilities,       | Please add few specific examples of initial   | itiatives, pilot projects, major policies or programmes |  |
|                  |    | development of facilities for            | developed or under development (or) any major investment decisions. Please attach reports or    |   |  |
|                  |    | intermodal connectivity, and adoption    | include websites where relevant.  |   |  |
|                  |    | of complete street design standards,     | At national level, National NMT Master  | Plan is built every 5 year. Urban Traffic Improvement   |  |
|                  |    | wherever feasible                        | Plan also includes NMT facility development plans at city level. In cities where the terrain is |   |  |
|                  |    |  | relatively flat, such as Changwon-si (6,00  | 00 bikes), Goyang-si (3,000 bikes), and Daejeon-si      |  |
|                  |    |  | (2,500 bikes), public bike systems are provided. The national government provides a matching    |   |  |
|                  |    |  | fund (100,000 USD) to 7 to 8 cities a year to improve pedestrian safety in cities.              |   |  |
|                  |    |  | Examples of important actions that you plan to carry out in next year                           |   |  |
|                  |    |  | Currently existing public bike systems ar   | re being expanded by local cities.                      |  |
|                  |    |  | What importance does this particular E  | ST Goal attach in your country's on-going efforts in    |  |
|                  |    |  | achieving (a) the Sustainable Developm  | nent Goals (SDGs), (b) New Urban Agenda, and (c)        |  |
|                  |    |  | Paris Climate Agreement?  |   |  |
|                  |    |  | NMT facilities and services help increas  | e public transport ridership and reduce usage of        |  |
|                  |    |  | private vehicles, resulting in GHG emission   | ons reduction.  |  |
|                  | 5  | Improve <b>public transport</b> services | Any action had been taken so far?   | Barriers/Challenges faced in implementation:            |  |
| gy               |    | including high quality and affordable    | $\Box$ Not yet  | Existing car-dependent drivers are not easily shifted   |  |
| rate             |    | services on dedicated infrastructure     | $\Box$ Some progress (design – piloting)  | to public transport in spite of lower cost and faster   |  |
| "St              |    | along major arterial corridors in the    | Largely in Place  | travel time of public transport in some areas because   |  |
| "Shift" Strategy |    | city and connect with feeder services    | □ Fully Completed   | they are very familiar with car usage, that is, hard to |  |
| S,,              |    | into residential communities             | (Please Check the box)  | change their car-dependent behavior and require         |  |
|                  |    |  |   | long time to shift.                                     |  |

| Goal     |   | Goal Description                    | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,  |  |
|----------|---|-------------------------------------|--|--|--|
| No.      |   |                                     | development of special transport corridors, in Implementing the Bangkok 2020 Declaration   |  |  |
|          |   |                                     | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                |  |
|          |   |                                     | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes |  |
|          |   |                                     | developed or under development (or) any  | major investment decisions. Please attach reports or   |  |
|          |   |                                     | include websites where relevant.   |  |  |
|          |   |                                     | BRT services with dedicated median bus   | lane and metro train services are provided in major    |  |
|          |   |                                     | metropolitan cities. For example in Seoul  | Metropolitan Area, 25 BRT lines and 29 metro lines     |  |
|          |   |                                     | are currently provided.  |  |  |
|          |   |                                     | Examples of important actions that you plan to carry out in next year                      |  |  |
|          |   |                                     | Metropolitan Area Transport Improvement Plan (2017-2020) includes plans of 9 BRT lines and |  |  |
|          |   |                                     | 16 metro lines in the country.   |  |  |
|          |   |                                     | What importance does this particular ES  | ST 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?   |  |  |
|          |   |                                     | Public transport service quality is essen  | tial to reduce the number of private car travels, and  |  |
|          |   |                                     | thus reduce GHG emissions and to save er   | nergy.   |  |
|          | 6 | Reduce the urban transport mode     | Any action had been taken so far?  | Barriers/Challenges faced in implementation:           |  |
| egy      |   | share of private motorized vehicles | $\Box$ Not yet   | Congestion pricing and levying garage option on        |  |
| Strategy |   | through Transportation Demand       | Some progress (design – piloting)  | car buyers have not been implemented due to the        |  |
| ft" S    |   | Management (TDM) measures,          | $\Box$ Largely in Place  | political resistance from commuter drivers and small   |  |
| "Shift"  |   | including pricing measures that     | $\Box$ Fully Completed   | logistics business owners.                             |  |
| "        |   | integrate congestion, safety, and   | (Please Check the box)   |  |  |

| Goa              | al                                  | Goal Description                         | Voluntary Progress/Achievements/Majo  | r Initiatives, including any transport master plans,                  |  |  |
|------------------|-------------------------------------|--|---|---|--|--|
| No.              |                                     |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration      |   |  |  |
|                  |                                     |  | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.                                   |   |  |  |
|                  | pollution costs, aimed at gradually |  | Please add few specific examples of init  | tiatives, pilot projects, major policies or programmes                |  |  |
|                  |                                     | reducing price distortions that directly | developed or under development (or) any major investment decisions. Please attach reports or  |   |  |  |
|                  |                                     | or indirectly encourage driving,         | include websites where relevant.  |   |  |  |
|                  |                                     | motorization, and sprawl                 | Just locally, some tunnels collect congestion   | on fee, but there are no national policy or plan. And                 |  |  |
|                  |                                     |  | there is no city to implement levying garag   | there is no city to implement levying garage option as of 2018.       |  |  |
|                  |                                     |  | Examples of important actions that you pla  | Examples of important actions that you plan to carry out in next year |  |  |
|                  |                                     |  | For the first time in Korea, Jejoo island will start levying garage option on car buyers from |   |  |  |
|                  |                                     |  | 2019.   |   |  |  |
|                  |                                     |  | What importance does this particular ES   | ST Goal attach in your country's on-going efforts in                  |  |  |
|                  |                                     |  | achieving (a) the Sustainable Developme   | ent Goals (SDGs), (b) New Urban Agenda, and (c)                       |  |  |
|                  |                                     |  | Paris Climate Agreement?  |   |  |  |
|                  |                                     |  | TDM is not very active yet in Korea, b  | ut we are trying to introduce congestion pricing and                  |  |  |
|                  |                                     |  | levying garage option to reduce private me  | otorized vehicles.  |  |  |
|                  | 7                                   | Achieve significant shifts to more       | Any action had been taken so far?   | Barriers/Challenges faced in implementation:                          |  |  |
| egy              |                                     | sustainable modes of inter-city          | $\Box$ Not yet  | N/A   |  |  |
| trate            |                                     | passenger and goods transport,           | □ Some progress (design – piloting)   |   |  |  |
| ť" S             |                                     | including priority for high-quality      | ☑ Largely in Place  |   |  |  |
| "Shift" Strategy |                                     | long distance bus, inland water          | □ Fully Completed   |   |  |  |
| 3,               |                                     | transport, high-speed rail over car and  | (Please Check the box)  |   |  |  |
|                  |                                     |  |   |   |  |  |

| Goal  | 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 Lao EST Forum 2017 to the Mongolia EST Forum 2018.                                      |
|   | air passenger travel, and priority for          | Please add few specific examples of initiatives, pilot projects, major policies or programmes    |
|   | train and barge freight over truck and          | developed or under development (or) any major investment decisions. Please attach reports or     |
|   | air freight by building supporting              | include websites where relevant.   |
|   | infrastructure such as dry inland ports         | High speed train passenger services (KTX and SRT) have connected major cities since 2004.        |
|   |   | Currently the length is 1,512km and the daily ridership is 155,628. The cities that do not have  |
|   |   | high speed train services are connected by intercity bus lines. The mode share of road is around |
|   |   | 80% and that of train is under 10% for both passengers and goods. There is no practical inland   |
| water transport.  |   | water transport.   |
| Examples of important actions that you plan to carry out in next ye                   |   | Examples of important actions that you plan to carry out in next year                            |
|   |   | Currently, three GTX(Great Train Express) lines are planned which are a high-speed train         |
|   |   | service designed to help people travel across long distances within the Soule Capital Area. The  |
|   |   | first GTX A line plans to be open in 2023 with 37.4km section from Ilsan to Samsung and the      |
|   |   | construction will start at the end of 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?   |
|   |   | Korea has well developed intercity public transport networks. Also for freight the national      |
| highway system serves trucking services. The only concern is that the services high   |   | highway system serves trucking services. The only concern is that the services highly depend on  |
| road. The national government recognizes this and gives incentives to the shifters to |   | road. The national government recognizes this and gives incentives to the shifters to train and  |
|   |   | coastal water transport.   |
| III. Stra   | ntegies to <u>Improve</u> transport practices a | and technologies   |

| Goa           | ıl | Goal Description                      | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,  |  |  |  |
|---------------|----|---------------------------------------|--|--|--|--|--|
| No.           |    |                                       | development of special transport corridors, in Implementing the Bangkok 2020 Declaration   |  |  |  |  |
|               |    |                                       | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                |  |  |  |
|               | 8  | Diversify towards more sustainable    | Any action had been taken so far?  | Barriers/Challenges faced in implementation:           |  |  |  |
|               |    | transport fuels and technologies,     | $\Box$ Not yet   | High cost of renewable energy, spaces and cost         |  |  |  |
|               |    | including greater market penetration  | Some progress (design – piloting)  | restraint on charging facility for electric vehicles   |  |  |  |
|               |    | of options such as vehicles operating | $\Box$ Largely in Place  |  |  |  |  |
|               |    | on electricity generated from         | □ Fully Completed  |  |  |  |  |
| gy            |    | renewable sources, hybrid             | (Please Check the box)   |  |  |  |  |
| Strategy      |    | technology, and natural gas           | Please add few specific examples of initiatives, pilot projects, major policies or program |  |  |  |  |
| " St          |    |                                       | developed or under development (or) any  | major investment decisions. Please attach reports or   |  |  |  |
| 'Improve''    |    |                                       | include websites where relevant.   |  |  |  |  |
| mpr           |    |                                       | Since 2000, when bus operators replace   | buses in metropolitan areas, the new bus must be CNG   |  |  |  |
| ſ <b>I</b> ,, |    |                                       | powered. All Seoul Metropolitan Area city  | buses are CNG fueled. Currently at least 2 % of        |  |  |  |
|               |    |                                       | transport diesel is mandated to be from bio  | o source. Most taxis' fuel is LPG. Monetary incentives |  |  |  |
|               |    |                                       | and tax exemptions are given to hybrid, hy   | drogen powered or electric vehicle buyers.             |  |  |  |
|               |    |                                       | Examples of important actions that you pla   | an to carry out in next year                           |  |  |  |
|               |    |                                       | No. of subsidized hydrogen powered cars  | will be increased from 130 in 2018 to 2,000 cars in    |  |  |  |
|               |    |                                       | 2019 and also no. of subsidized hydrogen   | stations will be from 10 to 20 stations in 2019.       |  |  |  |

| Goal Goal Description |   | Goal Description                        | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,          |  |
|-----------------------|---|---|---|--|--|
| No.                   |   |   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration      |  |  |
|                       |   |   | from the Lao EST Forum 2017 to the M  | ongolia EST Forum 2018.  |  |
|                       |   |   | What importance does this particular ES   | ST Goal attach in your country's on-going efforts in           |  |
|                       |   |   | achieving (a) the Sustainable Developm  | ent Goals (SDGs), (b) New Urban Agenda, and (c)                |  |
|                       |   |   | Paris Climate Agreement?  |  |  |
|                       |   |   | Hybrid and electric vehicles emit less GHGs. Concerning this National Sustainable Transport   |  |  |
|                       |   |   | Development Master Plan includes many   | Green Energy Vehicle strategies. The national                  |  |
|                       |   |   | government allocates dedicated funds to R   | &D projects for green energy technologies                      |  |
|                       |   |   | development.  |  |  |
|                       | 9 | Set progressive, appropriate, and       | Any action had been taken so far?   | Barriers/Challenges faced in implementation:                   |  |
|                       |   | affordable standards for fuel quality,  | $\Box$ Not yet  | High cost for technology development for better fuel           |  |
|                       |   | fuel efficiency, and tailpipe emissions | Some progress (design – piloting)   | economy vehicles   |  |
|                       |   | for all vehicle types, including new    | $\Box$ Largely in Place   |  |  |
| g                     |   | and in-use vehicles                     | □ Fully Completed   |  |  |
| "Improve" Strategy    |   |   | (Please Check the box)  |  |  |
| "St                   |   |   | Please add few specific examples of initiatives, pilot projects, major policies or programmes |  |  |
| ove                   |   |   | developed or under development (or) any major investment decisions. Please attach reports or  |  |  |
| mpr                   |   |   | include websites where relevant.  |  |  |
| <b>I</b> ,,           |   |   | Fuel economy standard of passenger car  | s sold in Korea is 127g/km. From 2020, this will be            |  |
|                       |   |   | stricter to 97g/km. NOx, SOx, PM, and CC  | <i>) emissions are strictly controlled when cars are sold,</i> |  |
| and they              |   |   | and they are regularly inspected during us  | cage.  |  |
|                       |   |   | Examples of important actions that you pla  | an to carry out in next year                                   |  |
|                       |   |   | Fuel economy standard is getting stricter   | until 2020 when it reaches 97g/km.                             |  |

| Goa                | al | Goal Description                        | Voluntary Progress/Achievements/Majo   | r Initiatives, including any transport master plans,       |  |
|--------------------|----|---|--|--|--|
| No.                |    |   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |  |  |
|                    |    |   | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.                              |  |  |
|                    |    |   | What importance does this particular ES  | T Goal attach in your country's on-going efforts in        |  |
|                    |    |   | achieving (a) the Sustainable Developme  | ent Goals (SDGs), (b) New Urban Agenda, and (c)            |  |
|                    |    |   | Paris Climate Agreement?   |  |  |
|                    |    |   | Fuel economy standards are getting stric   | ter to mitigate climate change. This will also help        |  |
|                    |    |   | reduce pollutants as they are proportional   | to the amount of fuel consumed. National and local         |  |
|                    |    |   | governments strictly regulate these emission   | ons standards.   |  |
|                    | 10 | Establish effective vehicle testing and | Any action had been taken so far?  | Barriers/Challenges faced in implementation:               |  |
|                    |    | compliance regimes, including formal    | $\Box$ Not yet   | N/A  |  |
|                    |    | vehicle registration systems and        | □ Some progress (design – piloting)  |  |  |
|                    |    | appropriate periodic vehicle            | ☑ Largely in Place   |  |  |
| 1                  |    | inspection and maintenance (I/M)        | □ Fully Completed  |  |  |
| "Improve" Strategy |    | requirements, with particular           | (Please Check the box)   |  |  |
| Stra               |    | emphasis on commercial vehicles, to     | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes     |  |
| ve"                |    | enforce progressive emission and        | developed or under development (or) any  | major investment decisions. Please attach reports or       |  |
| pro                |    | safety standards, resulting in older    | include websites where relevant.   |  |  |
| шI,,               |    | polluting commercial vehicles being     | Non-business passenger cars are inspected  | ed every 2 (1 year for business cars) year after the first |  |
|                    |    | gradually phased-out from the vehicle   | 4 (2 years for business cars) years. When 2  | 2006 or older model diesel vehicles are disposed and       |  |
|                    |    | fleet, as well as testing and           | new vehicles are bought, a tax exemption (6.5% of price) is given.                       |  |  |
|                    |    | compliance regimes for vessels          | Examples of important actions that you pla   | an to carry out in next year                               |  |
|                    |    |   | Since 2021, motorbikes under 260cc wi  | ll be also required to get inspected every 2 years for     |  |
|                    |    |   | emission which were ruled out.   |  |  |

| Goa                | al | Goal Description                       | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,       |  |  |
|--------------------|----|--|---|---|--|--|
| No.                |    |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration        |   |  |  |
|                    |    |  | from the Lao EST Forum 2017 to the M  | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018. |  |  |
|                    |    |  | What importance does this particular ES   | ST 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?  |   |  |  |
|                    |    |  | The inspection regulation is strongly implemented to control air pollution and to reduce health |   |  |  |
|                    |    |  | problems. This will also make the national  | l health insurance system more sustainable.                 |  |  |
|                    | 11 | Adopt Intelligent Transportation       | Any action had been taken so far?   | Barriers/Challenges faced in implementation:                |  |  |
|                    |    | Systems (ITS), such as electronic fare | $\Box$ Not yet  | N/A   |  |  |
|                    |    | and road user charging systems,        | □ Some progress (design – piloting)   |   |  |  |
|                    |    | transport control centres, and         | ☑ Largely in Place  |   |  |  |
|                    |    | real-time user information, when       | □ Fully Completed   |   |  |  |
| gy                 |    | applicable                             | (Please Check the box)  |   |  |  |
| "Improve" Strategy |    |  | Please add few specific examples of init  | tiatives, pilot projects, major policies or programmes      |  |  |
| ". St              |    |  | developed or under development (or) any   | y major investment decisions. Please attach reports or      |  |  |
| ove                |    |  | include websites where relevant.  |   |  |  |
| ıduı               |    |  | Most bus stops in major cities are equip  | pped with BIS (real time arrival notice). All freeways      |  |  |
| I,,                |    |  | are equipped with sensors and VMS (varia  | able message sign). All toll booths on freeways have        |  |  |
|                    |    |  | Hi-Pass (electronic toll collection system)   | lanes. Mobile telecommunication providers give their        |  |  |
|                    |    |  | users navigation services for free.   |   |  |  |
|                    |    |  | Examples of important actions that you pla  | an to carry out in next year                                |  |  |
|                    |    |  | National ITS Master Plan targets that u   | ntil 2020, 30% of paved road will be equipped with          |  |  |
|                    |    |  | ITS infrastructure.   |   |  |  |

| Goa  | al | Goal Description                                | Voluntary Progress/Achievements/Majo   | r Initiatives, including any transport master plans,  |  |
|--|----|---|--|---|--|
| No.  |    |   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |   |  |
|  |    |   | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                               |  |
| What importance does this particular EST Goal attach in your coun   achieving (a) the Sustainable Development Goals (SDGs), (b) New   Paris Climate Agreement?   In general, ITS strategies increase speed of traffic. Under low speed co   aities are suffering from over a clicht increase of speed will significantly |    | ent Goals (SDGs), (b) New Urban Agenda, and (c) |  |   |  |
|  |    |   |  | e. Also the information to drivers may help to avoid  |  |
|  | 12 | Achieve improved freight transport              | Any action had been taken so far?  | Barriers/Challenges faced in implementation:          |  |
|  |    | efficiency, including road, rail, air,          | $\Box$ Not yet   | Shipper's resistance to 3rd party logistics           |  |
|  |    | and water, through policies,                    | Some progress (design – piloting)  |   |  |
| ~  |    | programmes, and projects that                   | $\Box$ Largely in Place  |   |  |
| tegy   |    | modernize the freight vehicle                   | □ Fully Completed  |   |  |
| "Improve" Strategy   |    | technology, implement fleet control             | (Please Check the box)   |   |  |
| /e'' ;   |    | and management systems, and                     | Please add few specific examples of init   | iatives, pilot projects, major policies or programmes |  |
| prov   |    | support better logistics and supply             | developed or under development (or) any  | major investment decisions. Please attach reports or  |  |
| .Im  |    | chain management                                | include websites where relevant.   |   |  |
| ,  |    |   | National government gives subsidies to sl  | hippers shifting from road to rail or coastal. 3rd    |  |
|  |    |   | party logistics are encouraged but it is not popular due to security reason.             |   |  |
|  |    |   | Examples of important actions that you pla   | an to carry out in next year                          |  |
|  |    |   | N/A  |   |  |

| Goa              | al    | Goal Description                        | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,  |  |  |
|------------------|-------|---|--|--|--|--|
| No.              |       |   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |  |  |  |
|                  |       |   | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                |  |  |
|                  |       |   | What importance does this particular ES  | ST Goal attach in your country's on-going efforts in   |  |  |
|                  |       |   | achieving the Sustainable Development G  | Goals (SDGs) under the 2030 Agenda for Sustainable     |  |  |
|                  |       |   | Development?   |  |  |  |
|                  |       |   | Rail and coastal freight have better fuel e  | economy, for this reason the services are subsidized.  |  |  |
| IV.              | Cross | -cutting strategies                     |  |  |  |  |
|                  | 13    | Adopt a zero-fatality policy with       | Any action had been taken so far?  | Barriers/Challenges faced in implementation:           |  |  |
|                  |       | respect to road, rail, and waterway     | $\Box$ Not yet   | Scattered safety policy governance among Police,       |  |  |
| 4                |       | safety and implement appropriate        | Some progress (design – piloting)  | local governments, Ministry of Public Safety and       |  |  |
| iteg.            |       | speed control, traffic calming          | $\Box$ Largely in Place  | Security, and Ministry of Land Infrastructure and      |  |  |
| Stra             |       | strategies, strict driver licensing,    | □ Fully Completed  | Transport  |  |  |
| tegy             |       | motor vehicle registration, insurance   | (Please Check the box  |  |  |  |
| StrategyStrategy |       | requirements, and better post-accident  | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes |  |  |
|                  |       | care oriented to significant reductions | developed or under development (or) any  | y major investment decisions. Please attach reports or |  |  |
| ing'             |       | in accidents and injuries               | include websites where relevant.   |  |  |  |
| Cutt             |       |   | At national level, National Transport Saf  | ety Master Plan is built every 5 year. Urban Traffic   |  |  |
| )-SS(            |       |   | Improvement Plan also includes transport   | safety strategies at local level.                      |  |  |
| "Cross-Cutting"  |       |   | Examples of important actions that you pla   | an to carry out in next year                           |  |  |
| ,                |       |   | Road death is a major transport safety i   | ssue. As of 2014, the number of road death is 4,762 a  |  |  |
|                  |       |   | year and regarding this statistics Korea is  | a low performer among OECD countries. Under the        |  |  |
|                  |       |   | 8th National Transport Safety Master Plan  | (2017-2021), the national road death target is 2,796.  |  |  |

| Goa                      | al | Goal Description                      | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,  |  |  |
|--------------------------|----|---------------------------------------|---|--|--|--|
| No.                      |    |                                       | development of special transport corrid   | development of special transport corridors, in Implementing the Bangkok 2020 Declaration         |  |  |
|                          |    |                                       | from the Lao EST Forum 2017 to the M  | longolia EST Forum 2018.   |  |  |
|                          |    |                                       | What importance does this particular ES   | ST Goal attach in your country's on-going efforts in   |  |  |
|                          |    |                                       | achieving (a) the Sustainable Developm  | ent Goals (SDGs), (b) New Urban Agenda, and (c)  |  |  |
|                          |    |                                       | Paris Climate Agreement?  |  |  |  |
|                          |    |                                       | The Police and government authorities h   | ave implemented various transport safety policies  |  |  |
|                          |    |                                       | such as seat belt, helmet, children car sea   | such as seat belt, helmet, children car seat, strict enforcement of driving under influence, and |  |  |
|                          |    |                                       | etc., but Korea is still a low ranker among   | OECD countries in road safety. Currently speed limits  |  |  |
|                          |    |                                       | are being lowered in developed areas and efforts by concerning authorities are harmonized for |  |  |  |
|                          |    |                                       | an effective policy implementation.   |  |  |  |
|                          | 14 | Promote monitoring of the health      | Any action had been taken so far?   | Barriers/Challenges faced in implementation:   |  |  |
|                          |    | impacts from transport emissions and  | ☑ Not yet   | N/A  |  |  |
| y                        |    | noise, especially with regard to      | □ Some progress (design – piloting)   |  |  |  |
| ateg                     |    | incidences of asthma, other           | $\Box$ Largely in Place   |  |  |  |
| Stra                     |    | pulmonary diseases, and heart disease | □ Fully Completed   |  |  |  |
| "Cross-Cutting" Strategy |    | in major cities, assess the economic  | (Please Check the box)  |  |  |  |
| Jutti                    |    | impacts of air pollution and noise,   | Please add few specific examples of ini   | tiatives, pilot projects, major policies or programmes   |  |  |
| SS-C                     |    | and devise mitigation strategies,     | developed or under development (or) any   | developed or under development (or) any major investment decisions. Please attach reports or     |  |  |
| Cro                      |    | especially aiding sensitive           | include websites where relevant.  |  |  |  |
| 55                       |    | populations near high traffic         | N/A   |  |  |  |
|                          |    | concentrations                        | Examples of important actions that you pl   | an to carry out in next year   |  |  |
|                          |    |                                       | N/A   |  |  |  |

| Goa             | al | Goal Description                       | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,  |  |  |
|-----------------|----|--|--|--|--|--|
| No.             |    |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |  |  |  |
|                 |    |  | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                |  |  |
|                 |    |  | What importance does this particular ES  | ST 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?   |  |  |  |
|                 |    |  | N/A  |  |  |  |
|                 | 15 | Establish country-specific,            | Any action had been taken so far?  | Barriers/Challenges faced in implementation:           |  |  |
|                 |    | progressive, health-based,             | $\Box$ Not yet   | N/A  |  |  |
|                 |    | cost-effective, and enforceable air    | $\Box$ Some progress (design – piloting)   |  |  |  |
|                 |    | quality and noise standards, also      | ☑ Largely in Place   |  |  |  |
|                 |    | taking into account the WHO            | □ Fully Completed  |  |  |  |
|                 |    | guidelines, and mandate monitoring     | (Please Check the box)   |  |  |  |
| Б               |    | and reporting in order to reduce the   | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes |  |  |
| uttin           |    | occurrence of days in which pollutant  | developed or under development (or) any  | major investment decisions. Please attach reports or   |  |  |
| "Cross-Cutting" |    | levels of particulate matter, nitrogen | include websites where relevant.   |  |  |  |
| ros             |    | oxides, sulphur oxides, carbon         | Air pollutants are strictly monitored. Th  | e 1 hour average concentration of CO should be under   |  |  |
| ,               |    | monoxide, and ground-level ozone       | 25ppm, NOx 0.1ppm, SOx, 0.15ppm, and O3, 0.1ppm. The 24 hour average concentration of PM |  |  |  |
|                 |    | exceed the national standards or       | should be under 100micro g/m3. When the critical levels are reached, the head of local   |  |  |  |
|                 |    | zones where noise levels exceed the    | governments can take emergency actions s   | such as restricting car usage, shortening business     |  |  |
|                 |    | national standards, especially with    | hours, etc.  |  |  |  |
|                 |    | regard to environments near high       | Examples of important actions that you pla   | an to carry out in next year                           |  |  |
|                 |    | traffic concentrations                 | N/A  |  |  |  |
|                 |    |  |  |  |  |  |

| Goa                      | al | Goal Description                      | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,   |  |
|--------------------------|----|---------------------------------------|--|---|--|
| No.                      |    |                                       | development of special transport corridors, in Implementing the Bangkok 2020 Declaration     |   |  |
|                          |    |                                       | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                 |  |
|                          |    |                                       | What importance does this particular ES  | ST Goal attach in your country's on-going efforts in    |  |
|                          |    |                                       | achieving (a) the Sustainable Developm   | ent Goals (SDGs), (b) New Urban Agenda, and (c)         |  |
|                          |    |                                       | Paris Climate Agreement?   |   |  |
|                          |    |                                       | Air pollutants are strictly controlled for h   | nealth reason. The CNG bus replacing program            |  |
|                          |    |                                       | implemented since 2000 greatly improved  | air quality in metropolitan cities especially to reduce |  |
|                          |    |                                       | PMs.   |   |  |
|                          | 16 | Implement sustainable low-carbon      | Any action had been taken so far?  | Barriers/Challenges faced in implementation:            |  |
|                          |    | transport initiatives to mitigate the | $\Box$ Not yet   | N/A   |  |
|                          |    | causes of global climate change and   | $\Box$ Some progress (design – piloting)   |   |  |
|                          |    | to fortify national energy security,  | ☑ Largely in Place   |   |  |
|                          |    | and to report the inventory of all    | $\Box$ Fully Completed   |   |  |
|                          |    | greenhouse gases emitted from the     | (Please Check the box)   |   |  |
|                          |    | transport sector in the National      | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes  |  |
|                          |    | Communication to the UNFCCC           | developed or under development (or) any major investment decisions. Please attach reports or |   |  |
|                          |    |                                       | include websites where relevant.   |   |  |
| tegy                     |    |                                       | National Sustainable Transport Master Plan and Regional Sustainable Transport Master Plan    |   |  |
| Stra                     |    |                                       | should be built every 10 year. The plans in  | clude strategies to reduce GHG emissions in transport   |  |
| ю,                       |    |                                       | sector. Also high GHG emitters such as lo  | gistics companies and airliners should submit GHG       |  |
| uttin                    |    |                                       | emission reduction plans to the national g   | overnment.  |  |
| "Cross-Cutting" Strategy | Ū, |                                       | Examples of important actions that you pla   | an to carry out in next year                            |  |
| ros                      |    |                                       | The National Sustainable Transport Mas   | ter Plan built in 2011 is currently being revised. A    |  |
| <u>,</u>                 |    |                                       | revised one (2017-2020) will be announce   | d soon.   |  |

| Go                       | al | Goal Description   | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,   |  |  |
|--------------------------|----|--|--|---|--|--|
| No.                      |    |  | development of special transport corrid  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration  |  |  |
|                          |    |  | from the Lao EST Forum 2017 to the M   | longolia EST Forum 2018.  |  |  |
| design criteria in the   |    | Adopt <b>social equity</b> as a planning and design criteria in the development and implementation of transport  | achieving (a) the Sustainable Developm<br>Paris Climate Agreement?<br>According to the latest statistics, transpo              | ST Goal attach in your country's on-going efforts in<br>ent Goals (SDGs), (b) New Urban Agenda, and (c)<br>rt sector GHG emission contributes to 13% of the<br>on, climates change mitigation is one of the national<br>Barriers/Challenges faced in implementation:<br>Funding limitation for subsidies to public transport<br>service providers |  |  |
| "Cross-Cutting" Strategy |    | initiatives, leading to improved<br>quality, safety and security for all and<br>especially for women, universal<br>accessibility of streets and public<br>transport systems for persons with<br>disabilities and elderly, affordability<br>of transport systems for low-income<br>groups, and up-gradation,<br>modernization and integration of<br>intermediate public transport | developed or under development (or) any<br>include websites where relevant.<br><i>Public transport vehicles must be equipp</i> |   |  |  |

| Goa             | al | Goal Description                       | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,     |  |
|-----------------|----|--|--|---|--|
| No.             |    |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration |   |  |
|                 |    |  | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                   |  |
|                 |    |  | What importance does this particular ES  | ST Goal attach in your country's on-going efforts in      |  |
|                 |    |  | achieving (a) the Sustainable Developm   | ent Goals (SDGs), (b) New Urban Agenda, and (c)           |  |
|                 |    |  | Paris Climate Agreement?   |   |  |
|                 |    |  | Fair mobility must be provided to all tier   | s of people. In this regard, Korean government has        |  |
|                 |    |  | made efforts to include low-income and ele   | der/younger people in public transport services.          |  |
|                 | 18 | Encourage innovative financing         | Any action had been taken so far?  | Barriers/Challenges faced in implementation:              |  |
|                 |    | mechanisms for sustainable transport   | $\Box$ Not yet   | Political resistance to fuel tax, congestion pricing,     |  |
|                 |    | infrastructure and operations through  | □ Some progress (design – piloting)  | and high level parking levy                               |  |
|                 |    | measures, such as parking levies, fuel | ☑ Largely in Place   |   |  |
| gy              |    | pricing, time-of-day automated road    | □ Fully Completed  |   |  |
| Strategy        |    | user charging, and public-private      | (Please Check the box)   |   |  |
| St              |    | partnerships such as land value        | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes    |  |
| ıg.'            |    | capture, including consideration of    | developed or under development (or) any  | major investment decisions. Please attach reports or      |  |
| "Cross-Cutting" |    | carbon markets, wherever feasible      | include websites where relevant.   |   |  |
| s-C             |    |  | A tax is levied on transport fuels, for example  | mple about 50 US cents for a liter of gasoline. The       |  |
| Cros            |    |  | revenue comes to Transport Special Accou   | unt in the national finance system. 20 to 40 % of this is |  |
| ),,             |    |  | mandated to be spent on sustainable mode   | s like bus and metro. Other pricing measures like         |  |
|                 |    |  | congestion pricing have not been impleme   | nted due to political resistance. Time-of-day road user   |  |
|                 |    |  | charging has been studied but it has not be  | een implemented.  |  |
|                 |    |  | Examples of important actions that you pla   | an to carry out in next year                              |  |
|                 |    |  | N/A  |   |  |

| Goa                                    | al | Goal Description                           | Voluntary Progress/Achievements/Majo   | or Initiatives, including any transport master plans,  |  |
|--|----|--|--|--|--|
| No.                                    |    |  | development of special transport corridors, in Implementing the Bangkok 2020 Declaration   |  |  |
|  |    |  | from the Lao EST Forum 2017 to the M   | ongolia EST Forum 2018.                                |  |
|  |    |  | What importance does this particular ES  | ST Goal attach in your country's on-going efforts in   |  |
|  |    |  | achieving (a) the Sustainable Developme  | ent Goals (SDGs), (b) New Urban Agenda, and (c)        |  |
|  |    |  | Paris Climate Agreement?   |  |  |
|  |    |  | Until 2000, the major output of the Trans  | port Special Account had been road construction.       |  |
|  |    |  | Since then, more funding has been allocate   | ed to public transport projects for sustainable        |  |
|  |    |  | development.   |  |  |
|  | 19 | Encourage widespread distribution of       | Any action had been taken so far?  | Barriers/Challenges faced in implementation:           |  |
|  |    | information and awareness on               | $\Box$ Not yet   | N/A  |  |
|  |    | sustainable transport to all levels of     | Some progress (design – piloting)  |  |  |
|  |    | government and to the public through       | $\Box$ Largely in Place  |  |  |
| tegy                                   |    | outreach, promotional campaigns,           | □ Fully Completed  |  |  |
| Strategy                               |    | timely reporting of monitored              | (Please Check the box)   |  |  |
|  |    | indicators, and participatory              | Please add few specific examples of init   | tiatives, pilot projects, major policies or programmes |  |
| "Cross-Cutting"                        |    | processes                                  | developed or under development (or) any  | major investment decisions. Please attach reports or   |  |
| Cut                                    |    |  | include websites where relevant.   |  |  |
| -SSO                                   |    |  | Since 2014, Sustainable City Transport A   | ssessment has been conducted. Indicators like GHG      |  |
| "Cr                                    |    |  | emissions, road fatalities, public transport   | mode share etc. are devised for the assessment. City   |  |
|  |    |  | officials in high ranked cities are awarded. Campaigns to promote general public awareness |  |  |
|  |    |  | have not been implemented.   |  |  |
| Examples of important actions that you |    | Examples of important actions that you pla | an to carry out in next year   |  |  |
|  |    |  | N/A  |  |  |

| Go              | al | Goal Description                      | Voluntary Progress/Achievements/Majo  | or Initiatives, including any transport master plans,  |  |
|-----------------|----|---------------------------------------|---|--|--|
| No.             | •  |                                       | development of special transport corridors, in Implementing the Bangkok 2020 Dec      |  |  |
|                 |    |                                       | from the Lao EST Forum 2017 to the M  | ongolia EST Forum 2018.                                |  |
|                 |    |                                       | What importance does this particular ES   | ST Goal attach in your country's on-going efforts in   |  |
|                 |    |                                       | achieving (a) the Sustainable Developme   | ent Goals (SDGs), (b) New Urban Agenda, and (c)        |  |
|                 |    |                                       | Paris Climate Agreement?  |  |  |
|                 |    |                                       | Local governments have important roles  | to promote transport sustainability. The national      |  |
|                 |    |                                       | government conducts the city Assessment to promote the awareness and to encourage the |  |  |
|                 |    |                                       | sustainable transport policy implementation   | on at local level.                                     |  |
|                 | 20 | Develop dedicated and funded          | Any action had been taken so far?   | Barriers/Challenges faced in implementation:           |  |
|                 |    | institutions that address sustainable | $\Box$ Not yet  | N/A  |  |
|                 |    | transport-land use policies and       | □ Some progress (design – piloting)   |  |  |
|                 |    | implementation, including research    | ☑ Largely in Place  |  |  |
| tegy            |    | and development on                    | □ Fully Completed   |  |  |
| Strategy        |    | environmentally-sustainable           | (Please Check the box)  |  |  |
|                 |    | transport, and promote good           | Please add few specific examples of init  | tiatives, pilot projects, major policies or programmes |  |
| "Cross-Cutting" |    | governance through implementation     | developed or under development (or) any   | major investment decisions. Please attach reports or   |  |
| Cut             |    | of environmental impact assessments   | include websites where relevant.  |  |  |
| -SSO            |    | for major transport projects          | Korea Transport Institute was established   | d in 1987 and has contributed to sustainable transport |  |
| "Ćr             |    |                                       | policy development for national and local   | governments. It closely cooperates with Korea          |  |
|                 |    |                                       | Research Institute for Human Settlements  | (KRIHS since1978) and Korea Institute of Civil         |  |
|                 |    |                                       | Engineering and Building Technology (KI   | CT since 1983) for sustainable land development. Any   |  |
|                 |    |                                       | development project with its size over a pr   | edefined threshold, it is mandated that its effect on  |  |
|                 |    |                                       | environment and traffic be assessed before  | e the implementation.                                  |  |

| Goal | <b>Goal Description</b> | Voluntary Progress/Achievements/Major Initiatives, including any transport master plans,     |  |
|------|-------------------------|--|--|
| No.  |                         | development of special transport corridors, in Implementing the Bangkok 2020 Declaration     |  |
|      |                         | from the Lao EST Forum 2017 to the Mongolia EST Forum 2018.                                  |  |
|      |                         | Examples of important actions that you plan to carry out in next year                        |  |
|      |                         | N/A  |  |
|      |                         | 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?   |  |
|      |                         | The national government is supported by the above 3 institutions when developing sustainable |  |
|      |                         | development policies. The institutions are financially sponsored by the government.          |  |

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

|                          | Take policy initiatives to  | List some of actions taken to improve<br>rural access in your country so far?  | Barriers/Challenges faced in improving rural connectivity:   |
|--------------------------|---|--|--|
| "Cross-Cutting" Strategy | <b>improve rural access</b> leading to<br>improved quality, safety and<br>security for all and especially for<br>women, disadvantaged groups<br>persons with disabilities and<br>elderly, low-income groups,<br>access to farms, agriculture<br>centers, education and health | rural access in your country so far?<br>Low price on-demand public transport<br>programs (see example below) in rural<br>areas<br>Please add few specific examples of initia<br>developed or under development (or) any f<br>Please attach reports or include websites wh<br>In rural areas where the demand is too low<br>taxi service has been introduced. Users pay | connectivity:<br>N/A<br>atives, pilot projects, major policies or programmes<br>major investment decisions to improve rural access.<br>here relevant.<br><i>v for providing regular transit services, an 1 Dime</i><br><i>only 1 Dime and the local governments subsidize the</i><br><i>than a regular low frequency bus operation for</i> |
|                          |   | users. In urban areas an on-demand taxi set<br>the budget limitation, the available taxis are  | rvice for the disabled is under operation, but due to<br>e limited and early reservation is required.  |

|  | Examples of important actions that you plan to carry out in next year                         |
|--|---|
|  | Many local governments already have the 1 USD taxi service and many more rural                |
|  | governments are adopting it.  |
|  | Importance of improving rural access in your country's on-going efforts in achieving (a) the  |
|  | Sustainable Development Goals (SDGs), (b) New Urban Agenda, and (c) Paris Climate             |
|  | Agreement?  |
|  | Social inclusion is one of major 2030 Agenda. The 1 Dime taxi is a very successful program in |
|  | that regard. However, more funds are required to provide enough mobility when needed for the  |
|  | disabled in urban areas.  |