

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

**28-31 October 2019**

**Venue: Sheraton Hanoi Hotel, Hanoi, Viet Nam**

## **Provisional Programme**



Ministry of Transport,  
Ministry of Natural Resources and  
Environment,  
Ministry of Construction,  
Hanoi People's Committee,  
Viet Nam



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

### **Co-organized by:**

Ministry of Transport, Government of Viet Nam  
Ministry of Natural Resources and Environment, Government of Viet Nam  
Ministry of Construction, Government of Viet Nam  
Hanoi People's Committee, Government of Viet Nam  
Ministry of the Environment, Government of Japan  
United Nations Economic and Social Commission for Asia & the Pacific  
United Nations Centre for Regional Development of Division for Sustainable Development Goals/  
United Nations Department of Economic and Social Affairs

### **Co-Sponsored by:**

Asian Development Bank (ADB)  
German International Cooperation (GIZ)  
Department for International Development of the United Kingdom (DFID)/ReCAP  
Partnership for Sustainable Low Carbon Transport (SLoCaT)

### **Forum Chair:**

**Minister, Ministry of Transport, Government of Viet Nam**

### **Supporting Organizations**

Asia Society for Social Improvement and Sustainable Transformation,  
Asia Pacific Natural Gas Vehicles Association, Bus World Academy, China SUC Institute and JiaCui (P.R. China)  
Environmental Promotion Center, Curtin University Sustainability Policy Institute, Eco-Mo Foundation, Liechtenstein  
Institute for Strategic Development, SAFETEQ, Wuppertal Institute, Walk21, WRI India, the World Bank (WB),  
among other

## **CONCEPT NEOTE**

### **1. BACKGROUND**

Transforming our world: the 2030 Agenda for Sustainable Development adopted by all the United Nations Member States in 2015, provides a mutual plan of action for peace and prosperity for people and the planet. The Agenda outlined the 17 Sustainable Development Goals (SDGs) and 169 associated targets designed to balance the social, economic and environmental dimensions of sustainable development that calls for action by all member countries for 15 years (2015-2030)<sup>1</sup>. Subsequently, the New Urban Agenda was adopted by member countries on 20 October 2016<sup>2</sup>, as a new framework and common roadmap that guides how our cities should be planned and managed to best promote sustainable urbanization for the 20 years. As the Sendai Framework for Disaster Risk Reduction 2015-2030 provided the opportunity for integrated action to prevent and reduce existing disaster risks in cities and communities<sup>3</sup>, the Paris Climate Agreement of COP 21 aims to strengthen the global response to the threat of climate change in the context of sustainable development, and called upon for intensify actions and investments in a sustainable and low-carbon future to limit the average global temperature rise well below 1.5 degree Celsius<sup>4</sup>. The Addis Ababa Action Agenda called for a new initiative to ensure sufficient investment in sustainable and resilient infrastructure, including transport, communication, water and sanitation and energy, in all countries.<sup>5</sup> All these international agendas and frameworks highlighted the importance of safe, resilient and sustainable urban development.

Cities are growing fast in pace in the developing counties. Rapid population growth, unplanned urbanization and high motorization growth are putting unprecedented pressure on many developing cities of Asia. Most of these cities face common social, economic and environmental challenges such as traffic congestion, air and noise pollution, GHG emissions, road accidents and fatalities, safety and security issues, insufficient infrastructure and financial resources, among others. The risk of these cities is further compounded as the magnitude and frequency of natural disasters and extreme weather events are increasing in recent decades. Major cities which are located near rivers and oceans for better connectivity are also becoming increasingly vulnerable due to sea level rise and climate change impacts. These risk are linked to increasingly severe and complex shocks to the economic, social, political and ecological systems of the cities that support the sustainable development, a major concern for city leaders and government authorities. Many developing cities are facing challenges to sustainable development in the form of limited capacities in knowledge, skills, technology, institutions and finance. According to recent report published by UN, in Asia and the Pacific region 5,139 natural disasters occurred between 1970 and 2014 period, which is around 43% of the total disasters experienced globally<sup>6</sup>. In between 1970 and 2016 in average 43,000 people killed annually due to natural disaster and US\$1.15 trillion in economic damage<sup>7</sup>. Most of the least developing countries and the small island developing states are disproportionately affected by these disasters.

The concepts of ‘smart, resilient and sustainable cities’ have emerged as a popular discourse in the world to address the existing and future urban issues. Although there is a wide variation of definitions on smart city, however the basic concept of the smart city is to make cities safer, improve citizen’s welfare and

<sup>1</sup><https://sustainabledevelopment.un.org/content/documents/21252030%20Agenda%20for%20Sustainable%20Development%20web.pdf> (The 2030 Agenda for Sustainable Development, September 2015)

<sup>2</sup> [http://nua.unhabitat.org/uploads/DraftOutcomeDocumentofHabitatIII\\_en.pdf](http://nua.unhabitat.org/uploads/DraftOutcomeDocumentofHabitatIII_en.pdf) (New Urban Agenda, October 2016)

<sup>3</sup> [https://www.unisdr.org/files/43291\\_sendaiframeworkfordrren.pdf](https://www.unisdr.org/files/43291_sendaiframeworkfordrren.pdf)

<sup>4</sup> [https://unfccc.int/files/meetings/paris\\_nov\\_2015/application/pdf/paris\\_agreement\\_english\\_.pdf](https://unfccc.int/files/meetings/paris_nov_2015/application/pdf/paris_agreement_english_.pdf)

<sup>5</sup> [http://www.un.org/en/development/desa/population/migration/generalassembly/docs/globalcompact/A\\_RES\\_69\\_313.pdf](http://www.un.org/en/development/desa/population/migration/generalassembly/docs/globalcompact/A_RES_69_313.pdf)

<sup>6</sup> <https://www.unescap.org/sites/default/files/publications/apdr2015-full.pdf>

<sup>7</sup> [https://www.unescap.org/sites/default/files/1\\_Disaster%20Report%202017%20Low%20res.pdf](https://www.unescap.org/sites/default/files/1_Disaster%20Report%202017%20Low%20res.pdf)

enhance the quality of life of city dweller using new and advance technologies and big data such as Artificial Intelligent (AI), Internet of Things (IoT), Information and Communication Technology (ICT), Intelligent Transportation System (ITS), Global Positioning System (GPS), automatic translation apps and sensor networks by extensively networking people, infrastructures and services. The ultimate goal of the smart city is to make the city safer, economically vibrant, social protective and environmentally sustainable by improving city's transportation system, energy distribution, improvement of air and water quality, waste and sanitation management, better healthcare, education facilities and government services using digital data, smart application and smart solutions. Similarly, resilient cities have the capacity to reduce vulnerability to disaster risk and extreme climate events to respond in a fast, efficient and creative ways, and have the ability to adapt well for changing circumstances in order to increase long-term sustainability. Resilient cities further contribute toward the implementation and localization of the Sustainable Development Goals, which are fundamental for achieving the 2030 Agenda. The general perception is that a sustainable city is one which provides the highest quality of life together with the lowest environmental footprint, whilst ensuring the needs of future generations are not compromised.

Sustainable and low-carbon transportation provide environment friendly infrastructure and services that offers safe and secure access for both persons and goods while reducing short and long term negative impacts on the local and global environment. Sustainable transport contribute towards many SDGs, particularly those related to poverty alleviation, food security, access to clean water, health, education, and employment opportunities, gender equality, infrastructure and energy, safe and sustainable cities and human settlements, sustainable consumption and production, and climate change. The High-level Political Forum (HLPF) held on 9-18 July 2018 further acknowledged the importance of the sustainable and resilient societies, and forty-six countries presented their Voluntary National Reviews (VNR) on their efforts to achieve the 2030 Agenda. Almost all VNR addressed the SDG 11, showcasing strategies, programmes and policies put in place to make cities and human settlements more inclusive, safe, resilient and sustainable<sup>8</sup>. More than 80% of VNRs referred to the role of sustainable transport in achieving the SDGs, and 36% of VNRs acknowledged the need for sustainable transport but fell short of offering any concrete evidence and policy measures to demonstrate their commitment to achieve it<sup>9</sup>. To this regards, the 12<sup>th</sup> EST Forum also aims to enhance regional input to 2020 HLPF process.

Introducing appropriate policies, integrated urban and land use planning, high-quality and well-planned city infrastructures, state-of-the art technologies, better institutions, and innovative financing mechanism can fundamentally improve all levels of social, economic and environmental resilience in cities and communities. Well managed, low-carbon public transport system and robust and resilient transport infrastructures and services significantly improve the air quality, road safety and urban mobility options. Innovative public transport system, dedicated cycling and walkway facilities, optimizing road networks, well-managed city parking and transit-oriented development (ToD) and transit activated urban development, are central to smart and resilient cities. Advanced technologies such as Artificial Intelligent (AI), Intelligent Transport Systems (ITS), Internet of Things (IoT), Information and Communication Technology (ICT), and big data also play key role to monitor and improve public transportation services provide smart traffic and mobility management solutions, whereas blockchain ensures easy coordination, trustworthy data sharing, and enables more efficient and cost-saving business operations for transportation and logistics ecosystem.

Considering large scale requirements of investment in transport infrastructure development, public-private-partnerships (PPP) can offer alternatives in which governments and private companies assume co-

<sup>8</sup>[https://sustainabledevelopment.un.org/content/documents/210732018\\_VNRs\\_Synthesis\\_compilation\\_11118\\_FS\\_BB\\_Format\\_FINAL\\_cover.pdf](https://sustainabledevelopment.un.org/content/documents/210732018_VNRs_Synthesis_compilation_11118_FS_BB_Format_FINAL_cover.pdf)

<sup>9</sup> <http://www.slocat.net/news/1992>

responsibility and co-ownership for the delivery of urban services, including transport infrastructure development. Partnerships can combine the advantages of the private sector (dynamism, access to financial resources and latest technologies, managerial efficiency, and entrepreneurial spirit, etc.) with social concerns and responsibility of the public sector (public health and better life, environmental awareness, local knowledge and job creation, etc.). Partnerships are indispensable for creating and financing adaptation measures towards resilient cities which in turn are more attractive for private investments. Partnerships can further provide win-win solutions both for the public utilities and private sector—if duly supported by appropriate policy frameworks. Such partnerships could lead to savings in government budgets, and the private sector, on the other hand, may use the opportunity to create sustainable business opportunities that could also serve as income generating avenues for the local communities. The public-private-partnerships could contribute in a number of areas – increased investment in public transit, transit oriented development (TOD) and smart growth, increase in green space, more dedicated bicycling and walking infrastructure, emission reduction activities in urban areas which could in return help cities enhance sustainable business opportunities as well as making them resilient and sustainable. There has been increased call by the international community that the new transport infrastructure should be made climate and disaster resilient, through provision of adequate financing. The green climate fund or carbon finance, for instance, could be the possible resources for city governments for such developments in addition of the government funding.

As part of the regional efforts towards the implementation of all international action agendas and frameworks including SDGs, the Regional Environmentally Sustainable Transport (EST) Forum in Asia has been providing the valuable inputs on regular basis. This year the Intergovernmental Twelfth Regional Environmentally Sustainable Transport (EST) Forum in Asia will be organized with the theme “*Achieving Smart and Resilient Cities through Low-Carbon and Intelligent Transport System*”, and will have a special focus on SDGs 11: *Make cities and human settlements inclusive, safe, resilient and sustainable*, among others.

With the above background, the Ministry of Transport of the Government of Viet Nam; Ministry of Natural Resources and Environment, of the Government of Viet Nam; Ministry of Construction of the Government of Viet Nam, Hanoi People's Committee, Government of Viet Nam; Ministry of the Environment of the Government of Japan, the United Nations Economic and Social Commission for Asia and the Pacific, and United Nations Centre for Regional Development of Division for Sustainable Development Goals/United Nations Development of Economic and Social Affairs will be co-organizing the 12<sup>th</sup> Regional EST Forum in Asia from 28 to 31 October 2019 in Hanoi, Viet Nam.

## 2. OBJECTIVES

The objectives of the 12<sup>th</sup> Regional EST Forum in Asia are to:

- Discuss numerous environmentally sustainable transport policies, integrated urban and land use planning, sustainable infrastructures and services, state-of-the art technologies, institutional measures, innovative financing mechanisms, and partnership arrangement in building safe, smart, resilient and sustainable cities and communities;
- Identify and discuss potential opportunities of improving existing and new infrastructures and services to improve road safety and urban mobility options, encouraging cycling and walkway facilities, optimizing road networks and managing city parking, and developing transit-oriented cities and communities;
- Discuss how Asian EST member countries can contribute towards the 2030 Agenda of Sustainable Development, in particular SDGs 11 through the implementation of advance technologies such as

Artificial Intelligent (AI), Internet of Things (IoT), Information and Communication Technology (ICT), Intelligent Transportation System (ITS), Global Positioning System (GPS), blockchain, big data, automatic translation apps, sensor networks and low-carbon transport solutions;

- Facilitate government, private sector and donor dialogue to explore possible investment opportunities in EST areas, including infrastructure development;
- Review and evaluate countries' progress, initiatives, achievements and best practices in addressing the Goals of the Bangkok 2020 Declaration (2010-2020); and
- Discuss strategy for moving beyond the Bangkok 2020 Declaration until 2030 aligning with the changing landscape of urban transport sector of Asia and with the 2030 Agenda for Sustainable Development/SDGs.

### **3. SUPPORTING ORGANIZATIONS**

The 12th Regional EST Forum in Asia is expected to be supported by various international organizations and donor agencies such as: Asian Development Bank (ADB), Asia Society for Social Improvement and Sustainable Transformation, Asia Pacific Natural Gas Vehicles Association, Bus World Academy, China SUC Institute and JiaCui (P. R. China) Environmental Promotion Center, Curtin University Sustainability Policy Institute, Department for International Development of the United Kingdom (DFID)/Research for Community Access Partnership (ReCAP), Eco-Mo Foundation, German International Cooperation (GIZ), Liechtenstein Institute for Strategic Development, SAFETEQ, Partnership for Sustainable Low Carbon Transport (SLoCaT), Wuppertal Institute, Walk21, WRI India, the World Bank (WB), among others.

### **4. GEOGRAPHIC COVERAGE**

The geographic coverage of the Forum is encompass 25 countries in Northeast, Southeast, and South Asia (Afghanistan, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, People's Republic of China, Indonesia, India, Islamic Republic of Iran, Japan, Republic of Korea, Lao PDR, Malaysia, Maldives, Mongolia, Myanmar, Nepal, the Philippines, Pakistan, Singapore, Sri Lanka, Thailand, Timor-Leste and Viet Nam) and Russian Federation. A number of Central Asian countries from ESCAP region are also expected to join the 12<sup>th</sup> Regional EST Forum in Asia.

### **5. PARTICIPANTS**

Participation in the 12<sup>th</sup> Regional EST Forum in Asia is by invitation only. It is expected that approximately 300 participants, including senior government representatives from Asia and the Pacific countries, city mayors, international experts and resource persons, and others as listed below will be attending the conference.

- High-level government representatives and policy makers from the Ministry of Transport, the Ministry of Environment, the Ministry of Urban Development and the Ministry of Railways, etc;
- Local participants including government officials from central, regional and local governments;
- Distinguished transport, environment and climate change experts and international resource persons;
- Representatives of relevant UN and international organizations, including international financial institutions, multi-lateral development banks and donor agencies; and
- Selected representatives of the private and business sectors, Academia, INGOs and NGOs etc.

Participation in the UN Forum is free of charge. A limited number of travel supports will be available on a priority basis for nominated government representatives from the developing countries. Unless

otherwise stated in the official invitation, the participants are requested to kindly cover their own travel, accommodation, and all other incidental costs by their own organizations or through external sponsorships.

## **6. OFFICIAL SEMINAR & PRE-EVENTS**

The 12<sup>th</sup> Regional Est Forum in Asia will have a regional seminar/workshop and several pre-events as follows;

### **Regional Seminar - Regional Capacity Building Workshop on Urban Mobility & Sustainable Urban Transport Index**

Date: 28-29 October 2019

Time: 9:00-15:45

Venue: In Thang Loi Hotel, Viet Nam

#### **Pre-Event 1**

Date: 28 October 2019

Time: 9:00-13:00

Venue: Sheraton Hanoi Hotel/ Song Hong 1

#### **Pre-Event 2**

Date: 28 October 2019

Time: 9:00-13:00

Venue: Sheraton Hanoi Hotel/ Song Hong 2

#### **Pre-Event 3**

Date: 28 October 2019

Time: 9:00-13:00

Venue: Thang Loi Hotel, Hanoi, Viet Nam

#### **Pre-Event 4**

Date: 23-24 September 2019

Time: 9:00-19:00

City/Country: Fortune Landmark, Ahmedabad, India

#### **Pre-Event 5**

Date: 10-11 October 2019

Time: 9:00-15:45

Venue: Auditorium, UNESCO House, New Delhi, India

## **7. CONTACTS**

### **Secretariat of the Regional EST Forum in Asia**

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## **PROGRAMME OVERVIEW**

### **Main Events of the Twelfth Regional EST Forum in Asia (Venue: Sheraton Hanoi Hotel)**

<b>DAY 1 - 28 OCTOBER 2019 (Monday)</b>		
08:00-16:00	Registration	Song Hong Grand Ballroom
16:00-17:15	Official Opening Ceremony	Song Hong Grand Ballroom
17:15-17:30	Group Photograph (all participants invited)	Song Hong Grand Ballroom
18:30-21:00	Welcome Reception	
<b>DAY 2 - 29 OCTOBER 2019 (Tuesday)</b>		
9:00-10:30	<b>EST PLENARY SESSION 1:</b> Future Role of EST and Smart, Resilient and Sustainable City Development	Song Hong Grand Ballroom
10:30-11:00	Coffee/Tea Break: Coffee Corner Lecture	
11:00-12:30	<b>EST PLENARY SESSION 2:</b> Air Quality Co-benefits of High Volume Low Carbon Transport- Future in Asia	Song Hong Grand Ballroom
12:30-13:30	Networking Lunch	
13:30-15:00	<b>EST PLENARY SESSION 3:</b> Bridging Urban Transport Infrastructure Gap in the Context of Smart and Resilient City - Role of Private Sector, MDBs & Donors	Song Hong Grand Ballroom
15:00-16:30	<b>EST POLICY DIALOGUE 1:</b> Strengthening Vehicle (Including Motorcycles) Emission Standards and Equivalent Fuel Quality and Inspection & Maintenance (I/M) and Road Safety- Benefits and Opportunities for Asian Countries towards SDGs	
16:30-17:00	Coffee/Tea Break: Coffee Corner Lecture	
17:00-18:30	<b>EST POLICY DIALOGUE 2:</b> Realizing Smart Cities in Asia	Song Hong Grand Ballroom
<b>DAY 3 - 30 OCTOBER 2019 (Wednesday)</b>		
9:00-10:30	<b>EST POLICY DIALOGUE 3 :</b> First Conceptual Successor of the Bangkok 2020 Declaration (2010-2020) Until 2030 Aligning with the SDGs	Song Hong Grand Ballroom
10:30-11:00	Coffee/Tea Break: Coffee Corner Lecture	
11:00-12:30	<b>MAYORS EST POLICY DIALOGUE 1:</b> Transforming Asian Cities through Attractive, Efficient and Affordable Bus System ~ Achieving SDG 11	Song Hong Grand Ballroom
12:30-13:30	Networking Lunch	
13:30-15:00	<b>EST ROUNDTABLE:</b> Country, Donor & Development Partner Dialogue on Project Development	Song Hong Grand Ballroom
15:00-16:30	<b>MAYORS EST POLICY DIALOGUE 2:</b> Integrated Urban Transport Planning & Development- Initiative by Asian Cities	
16:30-17:00	<b>Signing of the Addendum to Kyoto Declaration</b>	
17:00-17:30	Coffee/Tea Break & Networking and Bilateral Cooperation Discussion Time	
17:30-18:30	<b>EST PLENARY SESSION 4:</b> Adoption of Hanoi EST Declaration on Smart City in Asia & Chair's Summary	Song Hong Grand Ballroom
18:30-19:00	Official Closing Ceremony of the 12th Regional EST Forum	
19:00-21:00	<b>Farewell Reception</b>	
<b>DAY 4 - 31 OCTOBER 2019 (Thursday)</b>		
07:00-19:00	<b>TECHNICAL FIELD TRIP ON EST</b> Going to Halong Bay, Ha Long, Quang Ninh Province	Halong Bay, Ha Long, Quang Ninh Province

**Regional Seminar (Venue: Thang Loi Hotel, Hanoi, Viet Nam)**

<b>DAY 1 - 28 OCTOBER 2019 (Monday)</b>		<b>Thang Loi Hotel, Hanoi, Viet Nam</b>
08:00-08:30	Registration	Thang Loi Hotel, Hanoi, Viet Nam
08:30 - 08:45	Opening of the Workshop	
08:45 - 10:00	Overview of Urban Mobility in Asian Cities and Introduction to the Sustainable Urban Transport Index (SUTI)	
10:00 – 10:15	Coffee/Tea Break	
10:15 - 12:30	Experiences of Asian Cities on Mobility Assessment Using SUTI and Application of SUTI in Other Cities/Countries of the Region	
12:30 – 13:30	Lunch break	
13:30 - 15:15	Strategies for Enhancing Sustainability of Urban Mobility in the Region	
15:15 - 15:45	The Way Forward	
<b>16:00 - 17:30</b>	<b>Opening of the 12<sup>th</sup> EST Forum</b>	<b>Sheraton Hanoi Hotel</b> Song Hong Grand Ballroom
<b>DAY 2 - 29 OCTOBER 2019 (Tuesday)</b>		<b>Sheraton Hanoi Hotel</b>
09:00 - 18:30	Integrated Programme with 12 <sup>th</sup> Regional EST Forum in Asia	Song Hong Grand Ballroom
	(EST plenary 1, 2, and 3 and EST Policy Dialogue 1 and 2)	

**Pre-Events (Venue: Sheraton Hanoi Hotel & Thang Loi Hotel)**

<b>DAY 1 - 28 OCTOBER 2019 (Monday)</b>		
9:00 -13:00 (Half-Day in Viet Nam)	<b>PRE-EVENT -1: Unlocking Economic Benefits from Clean Transportation</b>  <b>Co-organized by:</b> MOT VN, LISD, Curtin University, Wuppertal Institute & UNCRD	Song Hong 1
9:00 -13:00 (Half-Day in Viet Nam)	<b>PRE-EVENT -2: Role of Women in Developing Rural Transport</b>  <b>Co-organized by:</b> MOT VN, ReCAP, UNESCAP & UNCRD	Song Hong 2
9:00 -13:00 (Half-Day in Viet Nam)	<b>PRE-EVENT -3: Innovative Concepts for Sustainable Mobility in Asia</b>  <b>Co-organized by:</b> MOT VN, German ASEAN Cooperation Project SMMR, Wuppertal Institute & UNCRD	<b>Thang Loi Hotel, Hanoi, Viet Nam</b>
23-24 Sep. Fortune Landmark	<b>PRE-EVENT -4: Electrification of Public Transport, Ahmedabad, India</b>  <b>Co-organized by:</b> WRI India, Ahmedabad Municipal Corporation, CEPT University & UNCRD	Ahmedabad, India
10-11 Oct. Auditorium, UNESCO House	<b>PRE-EVENT -5: Integrated Sustainable Transport for Smart and Resilient Cities, New Delhi, India</b>  <b>Co-organized by:</b> UN Global Compact – Network India, Ministry of Housing and Urban Affairs, Government of India, Ministry of Science and Technology, Government of India, NITI Aayog, Government of India, All India Institute of Local Self Government TRIPP, Indian Institute of Technology (IIT), Delhi School of Planning and Architecture (SPA) and Delhi Institute of Urban Transport (IUT) & UNCRD	New Delhi, India



	<h1>MAIN FORUM SESSIONS</h1> <p><b>28-31 October 2019</b></p> <p><b>Venue: Sheraton Hanoi Hotel, Hanoi, Viet Nam</b></p>
	<p><b>DAY 1 - 28 OCTOBER 2019 (Monday)</b> [Venue: Song Hong Grand Ballroom]</p>
<b>Time / Room</b>	<b>Provisional Programme</b>
<b>8:00-16:00</b>	<b>Registration</b>
<b>16:00-17:30</b>	<p><b>Official Opening Ceremony of the 12<sup>th</sup> Regional EST Forum in Asia</b></p> <p><b>Welcome Remark</b></p> <ul style="list-style-type: none"> <li>- <b>Mr. Nguyen The Hung</b>, Vice Chairman of Hanoi People's Committee, Viet Nam</li> </ul> <p><b>Opening Address</b></p> <ul style="list-style-type: none"> <li>- <b>Shantanu Mukherjee</b>, Chief, Policy and Analysis Branch at Division for Sustainable Development Goals, UN DESA</li> <li>- <b>Mr. Tetsuya Yagi</b>, Parliamentary Vice-Minister, Ministry of the Environment, Government of Japan</li> <li>- <b>Dr. Hideaki Hirai</b>, Counsellor, and Minister's Secretariat for Overseas Project, Ministry of Land, Infrastructure, Transport and Tourism, Japan</li> <li>- <b>Mr. Nguyen Dinh Toan</b>, Deputy Minister of Ministry of Construction, Government of Viet Nam</li> <li>- <b>Mr. Vo Tuan Nhan</b>, Deputy Minister of Ministry of Natural Resources and Environment, Government of Viet Nam</li> <li>- <b>H. E. Mr. Nguyen Van The</b>, Minister of Ministry of Transport, Government of Viet Nam</li> </ul> <p><b>Address by Guest of Honour</b></p> <ul style="list-style-type: none"> <li>- <b>H. E. Mr. Trinh Dinh Dung</b>, Deputy Prime Minister, Government of Viet Nam</li> </ul> <p><b>Keynote Address</b></p> <ul style="list-style-type: none"> <li>- <i>Changing Discourse of Sustainable Transport in Asia ~ Needs for Next Generation Transport Solutions to Achieve Smart &amp; Resilient Cities</i> – by <b>Mr. Bambang Susantono</b>, Vice President, Knowledge Management and Sustainable Development, Asian Development Bank</li> </ul> <p><b>Group Photograph (all participants invited)</b></p>
<b>18:30-21:00</b>	<p><b>WELCOME RECEPTION</b></p> <p><b>Hosted by: Ministry of Transport, Viet Nam</b></p>

DAY 2 - 29 OCTOBER 2019 (Tuesday) [Venue: Song Hong Grand Ballroom]		
Time / Room	Provisional Programme	
9:00-10:30	EST PLENARY SESSION 1: Future Role of EST and Smart, Resilient and Sustainable City Development	
[Venue: Song Hong Grand Ballroom]	<p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Future Roles of EST and Smart, Resilient, and Sustainable City ~Towards 2030</i> – by Ministry of the Environment, Government of Japan (10 min.)</p> <p><b>Presentation 2:</b> <i>Achieving Smart and Resilient Cities – Global Best Practices</i> – by <b>Peter Droege</b>, Director, Liechtenstein Institute for Strategic Development, Liechtenstein (10 min.)</p> <p><b>Presentation 3:</b> <i>Role of Intelligent Transportation System (ITS) in Realizing Smart and Resilient Cities-Experience from Asia-Pacific</i> – by <b>Changju Lee</b>, UN ESCAP (10 min.)</p> <p><b>Presentation 4:</b> <i>Increasing Climate Ambition: The upcoming NDC Transport Initiative and Opportunities for Asian Countries</i> – by <b>Daniel Bongardt</b>, Senior Expert on Transport and Climate Change and Coordinator of the NDC Transport Initiative for Asia, (GIZ) GmbH, Germany (10 min.)</p> <p><b>Panel Discussion (45 min.)</b></p> <ol style="list-style-type: none"> <li><b>Chankosal Tauch</b>, Secretary of State, Ministry of Public Works and Transport, Cambodia</li> <li><b>Rashmi Singh</b>, Secretary, New Delhi Municipal Council, India</li> <li><b>Dmitrii Polunin</b>, Deputy Head of Passenger Transport Division, the Ministry of Transport of the Russia Federation</li> <li><b>Sandy Mae Gaspay</b>, Transportation Officer, Department of Transportation and Communications, The Philippines</li> <li><b>Shengchuan Zhao</b>, Professor and Honorary Dean of School of Transportation and Logistics, Dalian University of Technology, China</li> <li><b>Peter Droege</b>, Director, Liechtenstein Institute for Strategic Development, Liechtenstein</li> </ol>	<p><b>Session Chair:</b> <b>Mr. Le Anh Tuan</b>, Deputy Minister, MoT-Viet Nam</p> <p><b>Facilitator / Moderator:</b> <b>C. R. C. Mohanty</b>, Environment Programme Coordinator, UNCRD</p> <p><b>Rapporteur:</b> <b>Robert Earley</b>, President, Sino-Canadian Commodities Consulting Co. Ltd.</p>
	<p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>Given that more than half of the global population now lives in urban areas, and the Asian countries lead the pace of urbanization while facing growing threats from climate change and increasing frequency and magnitude of natural disasters, what should be the defining future role of EST in Asia?</li> <li>International, national and local level actions to achieve the 2030 Agenda and its Sustainable Development Goals (SDGs), the Paris Climate Agreement, the Habitat III New Urban Agenda, the Addis Ababa Action Agenda, the Global Decade of Action on Road Safety, the Sendai Framework for Disaster Risk Reduction 2015-2030, and the Nairobi Mandate are complementary to each other. While all these international agendas and agreements are intrinsically linked and mutually reinforcing, they also provide vast opportunity for national and local government to capitalize on synergies in their efforts to achieve smart, resilient, inclusive and sustainable cities. To what extent the EST countries have aligned their transport policies, planning, financing decisions and infrastructure development programmes towards this objective?</li> </ol>	

	<ol style="list-style-type: none"> <li>3. What are the changing dynamics and new emerging trends in urban transport sector of Asia? How can smart transport solutions be scaled up taking into account those new emerging trends?</li> <li>4. What aspects of sustainable urban transport development in Asia are under researched and underfunded? How can those gaps be bridged up? What international supports are available for local and national governments in bridging those gaps?</li> <li>5. To what extent SDG 11 is integrated into the urban transport policies and programmes of the ministries of transport? What are the main challenges and difficulties the countries face in doing so?</li> <li>6. Transport sector, being one of the major source of GHG emission (23% of global direct energy-related CO2 emissions as per IEA) and area of action, has gained significant momentum in discussions on climate change mitigation. There is expressed need for the significant involvement of both the transport sector and transport ministries in NDCs (Nationally Determined Contributions) development and implementation process with an objective to decarbonize the transport sector to reduce GHG emissions and increase resilience. What lessons we could learn from NDC Transport Initiative for Asia with regard to the challenges countries face in integrating the transport sector in NDC development and how can they be overcome?</li> </ol>
	<b>Open Discussion/ Q&amp; A</b>
<b>10:30-11:00</b>	<b>Coffee/Tea Break: Coffee Corner Lecture</b>

DAY 2 - 29 OCTOBER 2019 (Tuesday) [Venue: Song Hong Grand Ballroom]		
Time / Room	Provisional Programme	
11:00-12:30	EST PLENARY SESSION 2: Air Quality Co-benefits of High Volume Low Carbon Transport- Future in Asia	
[Venue: Song Hong Grand Ballroom]	<p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Air Quality Co-benefits of Sustainable Low Carbon Transport System - Future in Asia</i> – by <b>Holger Dalkmann</b>, Founder and CEO, Sustain 2030, Berlin, Germany (10 min.)</p> <p><b>Presentation 2:</b> <i>Contribution for Low-carbon Development and Air Pollution Reduction by Urban Railway Systems in Southeast Asia</i> – by <b>Yasuki Shirakawa</b>, Short-term Expert for JICA SPI-NAMA Project (10 min.)</p> <p><b>Presentation 3:</b> <i>Advancing Climate Resilient and Low Emission Transport Development – Future in Asia</i> – by <b>Angela Enriquez</b>, Senior Associate, SLoCaT (10 min)</p> <p><b>Presentation 4:</b> <i>Translating Policy Oriented Research on Co-Benefit into Practical Actions on Low Carbon Transport Projects in Indonesian Cities</i> – by <b>Sudarmanto Budi Nugroho</b>, Research Manager, City Task Force, IGES, Japan. (10 min.)</p> <p><b>Panel Discussion (45 min.)</b></p> <ol style="list-style-type: none"> <li><b>Nurul Quadir</b>, Additional Secretary, Ministry of Environment, Forest and Climate Change, Bangladesh</li> <li><b>Rosnina Binti Yaacob</b>, Deputy Under Secretary, Ministry of Transport, Malaysia</li> <li><b>A. Sunil Jayaweera</b>, Assistant Commissioner, Ministry of Transport and Civil Aviation, Sri Lanka</li> <li><b>H. M. Shivananda Swamy</b>, Executive Director, Centre of Excellence in Urban Transport, India</li> <li><b>Yui Kay Choy</b>, Secretary General, Asia Pacific Biogas Alliance, Singapore</li> <li><b>Giok Seng Lee</b>, Executive Director / Secretary, Asia Pacific Natural Gas Vehicles Association (ANGVA), Malaysia</li> </ol>	<p><b>Session Chair:</b> <b>Mr. Vo Tuan Nhan</b>, Deputy Minister, MoNRE-Viet Nam</p> <p><b>Facilitator / Moderator:</b> <b>Karlson Hargroves</b>, Senior Research Fellow, Curtin University Sustainability Policy Institute, Australia</p> <p><b>Rapporteur:</b> <b>Karl Peet</b>, Research Director, Partnership on Sustainable, Low Carbon Transport (SLoCaT)</p>
	<p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>Why is high volume low carbon transport important for Asian countries? What are possible implications of high volume transport low carbon transport for reduction in air pollution and greenhouse gas emissions?</li> <li>What are the principle barriers and challenges in promoting high volume low carbon transport in Asian countries? What needs to be done to overcome these barriers?</li> <li>With rapid growth in private vehicles in Asia and with the international commitment to keep the average global temperature rise well below 2 degree Celsius, what are the critical decarbonizing transport policy options the Asian countries and cities in terms of technical capacity building, institutional arrangements and financing mechanisms?</li> </ol>	

	4. How can the countries better integrate climate and disaster resilience in the transport sector? What are the critical gaps or challenges (in terms of policy, technology, institutional capacity and financing) countries face in advancing climate resilient and low emission transport development? What opportunities do the Asian countries and cities have in overcoming those challenges?	
	<b>Open Discussion/ Q &amp; A</b>	
<b>12:30-13:30</b>	<b>Networking Lunch</b>	
<b>13:30-15:00</b>	<b>EST PLENARY SESSION 3: Bridging Urban Transport Infrastructure Gap in the Context of Smart and Resilient City - Role of Private Sector, MDBs &amp; Donors</b>	
<b>[Venue: Song Hong Grand Ballroom]</b>	<p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Bridging Urban Transport Infrastructure Gap in the Context of Smart and Resilient City - Role of Private Sector and Public-Private-Partnership (PPP)</i> – by <b>Peter Newman</b>, Curtin University, Australia (10 min.)</p> <p><b>Presentation 2:</b> <i>Bridging Urban Transport Infrastructure Gap ~ Experience of Asian Development Bank (ADB)</i> – by <b>Jamie Leather</b>, Chief of Transport Sector Group, Asian Development Bank (10 min.)</p> <p><b>Presentation 3:</b> <i>Bridging Urban Transport Infrastructure Gap ~ Experience of the World Bank (WB)</i> – by <b>Shigeyuki Sakaki</b>, Senior Urban Transport Specialist, World Bank Group (10 min.)</p> <p><b>Presentation 4:</b> <i>Proactive Approach for Public Transport Oriented City-Decision Making for EST</i> - by <b>Yukihiro Koizumi</b>, Deputy Director General, Transportation and ICT Group, Infrastructure and Peacebuilding Department, Japan International Cooperation Agency (JICA) (10 min.)</p> <p><b>Presentation 5:</b> <i>Role of Public-Private-Partnership (PPP) in Developing Expressway</i> – by <b>Tomomitsu Imai</b>, Chief Representative, Representative office in Hanoi, Central Nippon Expressway Co., Ltd. (10 min.)</p> <p><b>Panel Discussion (40 min.)</b></p> <ol style="list-style-type: none"> <li><b>Mohammad Kamrul Ahsan</b>, Additional Secretary, Ministry of Road Transport and Bridges, Bangladesh</li> <li><b>Muhammad Iqbal Samad Suhaeb</b>, Mayor, Makassar City, Indonesia</li> <li><b>Ruslan Syrtlanov</b>, Chief Expert, International Cooperation Department, Ministry of Transport of the Russian Federation</li> <li><b>Shigeyuki Sakaki</b>, Senior Urban Transport Specialist, World Bank Group</li> <li><b>Peter Newman</b>, Curtin University, Australia</li> <li><b>Surya Raj Acharya</b>, Visiting Professor, Tribhuvan University, Nepal</li> </ol>	<p><b>Session Chair:</b> <b>Mr. Nguyen Dinh Toan</b>, Deputy Minister of MoC-Viet Nam</p> <p><b>Facilitator / Moderator:</b> <b>Jamie Leather</b>, Chief of Transport Sector Group, Asian Development</p> <p><b>Rapporteur:</b> <b>Karlson Hargroves</b>, Senior Research Fellow, Curtin University Sustainability Policy Institute, Australia</p>
	<p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>There is much talk about ‘Smart cities’ and ‘Smart technologies’. Based on the panel’s experience, what are some key emerging policies and technologies that should be prioritized as they provide the greatest opportunities for cities to achieve their sustainability and resilience towards SDG 11?</li> <li>If Asian cities wish to attract more alternate finance through public-private-partnerships (PPP) to bridge urban transport infrastructure gaps, what would be a key steps that could be taken in the short term by transport agencies to begin moving in this direction?</li> </ol>	

	<p>3. Of the funding sources discussed by the presenters, what are some key trade-offs between the different approaches (Private sector, Multi-lateral Development Banks (MDBs) &amp; Donors), and what is the preferred option? How can they work together towards achieving greater synergies?</p>
	<b>Open Discussion/ Q&amp; A</b>
<b>15:00-16:30</b>	<b>EST POLICY DIALOGUE 1: Strengthening Vehicle (including motorcycles) Emission Standards and Equivalent Fuel Quality and Inspection &amp; Maintenance (I/M) and Road Safety-Benefits and Opportunities for Asian Countries towards SDGs</b>
<b>[Venue: Song Hong Grand Ballroom]</b>	<div> <p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Strengthening Vehicle (including motorcycles) Emission Standards and Inspection and Maintenance (I/M)-Benefits and Opportunities for Asian countries Towards SDGs</i> –by <b>Robert Earley</b>, President, Sino-Canadian Commodities Consulting Co. Ltd. (10 min.)</p> <p><b>Presentation 2:</b> <i>Vehicle Emission Standards and Inspection and Maintenance: The Case of Europe</i> – by <b>Martin Schmied</b>, Head of Transport Department, German Federal Environment Agency, Germany (10 min.)</p> <p><b>Presentation 3:</b> <i>Vehicle Emission Standards and I/M ~ Issues, Challenges &amp; Opportunities: Case of Viet Nam</i> –by <b>Nghiem Van Cuong</b>, Viet Nam Register, MoT - Viet Nam (10 min.)</p> <p><b>Presentation 4:</b> <i>Roadworthiness through Effective Road Safety Standards (including I/M) ~ Implications toward Road Safety (SDG 3 &amp; SDG 11)</i> – by <b>Jac Wismans</b>, Chalmers University, Sweden (10 min.)</p> <p><b>Presentation 5:</b> <i>Strengthening Emission Standard for New Motorcycle and Inspection &amp; Maintenance (I/M) and Road Safety in Vietnam - VAMM's Point of View</i> - by <b>Nguyen Xuan Minh</b>, Government Relations /Administration Unit, Honda Vietnam Co. Ltd. (10 min.)</p> <p><b>Panel Discussion (40 min.)</b></p> <ol style="list-style-type: none"> <li><b>Nguyen Huu Tien</b>, DDG, Department of Environment, MoT - Viet Nam</li> <li><b>Saleem Janjua</b>, Country Coordinator, Ministry of Climate Change, Pakistan</li> <li><b>Sifa Mohammed</b>, Mayor, Male City, Maldives</li> <li><b>Madan Bandhu Regmi</b>, Transport Division, UN ESCAP</li> </ol> <p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>Although several measures have been taken in recent years by the countries to control vehicular emissions in cities and urban areas, air quality in many Asian cities does not meet the WHO guidelines. While gasoline vehicles have relatively complied with stricter vehicle emission standards, heavy-duty diesel vehicles have not and are contributing substantially to the urban air pollution problem and as well as black carbon, which is a short-lived climate pollutant. What is the current situation in Asian countries/cities? What are the major challenges and obstacles in controlling vehicular pollution in urban areas?</li> <li>Meeting certain vehicle emission standards is very much inter-linked with the choice of vehicle technology, and fuel quality and for in-use vehicle emission standards, meeting inspection and</li> </ol> </div> <div> <p><b>Session Chair:</b> <b>H.E. Ms. Habibun Nahar</b>, Deputy Minister, Ministry of Environment, Forest and Climate Change, Bangladesh</p> <p><b>Facilitator / Moderator:</b> <b>Jac Wismans</b>, Chalmers University, Sweden</p> <p><b>Rapporteur:</b> <b>Simon Ng</b>, Business Environment Council (BEC)</p> </div>



	<p>maintenance (I/M). To what extent Asian countries have been able to implement an integrated approach addressing these critical factors?</p> <p>3. An inspection system would ideally combine I/M emission checks with the vehicle safety checks (called roadworthiness test). To what extent roadworthiness being followed or implemented in Asia ? And also for light-duty and for heavy-duty vehicles?</p> <p>4. While new vehicle technologies are available all throughout Asia, how can harmonization of vehicle emission standards and fuel quality support achieving SDGs? What are the challenges Asian countries face? How can they overcome such challenges?</p>	
	<b>Open Discussion/ Q&amp; A</b>	
<b>16:30-17:00</b>	<b>Coffee/Tea Break: Coffee Corner Lecture</b>	
<b>17:00-18:30</b>	<b>EST POLICY DIALOGUE 2: Realizing Smart Cities in Asia</b>	
<b>[Venue: Song Hong Grand Ballroom]</b>	<p>The objective of this session is to discuss how environmentally sound urban transportation system with new technologies and effective management methods can be utilized for achieving SDGs, in particular SDG-11, in Asia. This session will be based on sustainable transport perspective in terms of next generation EST solutions and urban planning in achieving smart cities. The outcome of the session is also expected to contribute to future direction in realizing smart cities in Asia.</p> <p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Toward "Future city UTSUNOMIYA" - Realizing the Dynamic City by Smart Mobility and Compact City</i> – by <b>Eiichi Sato</b>, Mayor of Utsunomiya City (20 min.)</p> <p><b>Presentation 2:</b> <i>Science, Technology and Innovation towards Smart City and SDG 11</i> – by <b>Shantanu Mukherjee</b>, Chief, Policy and Analysis Branch at Division for Sustainable Development Goals, UN DESA (20 min.)</p> <p><b>Presentation 3:</b> <i>Realizing Smart Cities – Case of New Delhi, India-</i> by <b>Rashmi Singh</b>, Secretary, New Delhi Municipal Council, India (10 min.)</p> <p><b>Presentation 4:</b> <i>Smart Planning to Realizing Smart Cities : Sharing from Hong Kong Administrative Region of P.R. China</i>– by <b>Simon Ng</b>, Business Environment Council (BEC), Hong Kong Administrative Region of P.R. China</p> <p><b>Panel Discussion (30 min.)</b></p> <ol style="list-style-type: none"> <li><b>Saleem Janjua</b>, Country Coordinator, Ministry of Climate Change, Pakistan</li> <li><b>Rashmi Singh</b>, Secretary, New Delhi Municipal Council, India</li> <li><b>Shantanu Mukherjee</b>, Chief, Policy and Analysis Branch at Division for Sustainable Development Goals, UN DESA</li> <li><b>Simon Ng</b>, Business Environment Council (BEC), Hong Kong Administrative Region of P.R. China</li> </ol>	<p><b>Session Chair:</b> <b>Dr. Hideaki Hirai</b>, Counsellor, and Minister's Secretariat for Overseas Project, MLIT- Japan</p> <p><b>Facilitator / Moderator:</b> <b>Takashi Kobayashi</b>, Director for International Cooperation, MLIT- Japan &amp; <b>Kazushige Endo</b>, Director, UNCRD</p> <p><b>Rapporteur:</b> <b>Surya Raj Acharya</b>, Institute of Engineering, Tribhuvan University, Nepal</p>
	<p><b>Discussion Points:</b></p> <ol style="list-style-type: none"> <li>What are the major challenges in developing and introducing effective policies, planning and infrastructure development for the Asian Smart Cities, in particular sustainable transport solutions, to improve social, economic and environmental outcomes in cities and communities?</li> </ol>	

2. What international supports are available for local and national governments leading the smart city development in Asia in terms of technical capacity building, institutional arrangements and financing mechanism?
3. Smart cities leverage state-of-the-art technologies such as modern information and communication technologies (ICT) to make cities more efficient and effective. How the local governments and cities promote and encourage innovation and entrepreneurship to unlock the potential of digital technology and share best practices to spur smart cities' development while taking into account different levels of city development, cultures and priorities?
4. How can we create new innovative financing mechanisms and investment opportunities to build sustainable, smart, quality and resilient infrastructure development to benefit urban, periurban and rural surrounding areas? What roles can the private sector play?
5. To what extent the smart city development a bankable project idea? How can we encourage project formulation on smart cities? What are the financing and investment opportunities cities could seek for at national and international level?
6. How can the countries and cities strengthen the linkage between the Asian Smart City Initiatives and national and local level actions to achieve the 2030 Agenda and its Sustainable Development Goals (SDGs) and other internationally agreed agenda?

**Open Discussion/ Q& A**



DAY 3 - 30 OCTOBER 2019 (Wednesday) [Venue: Song Hong Grand Ballroom]		
Time / Room	Provisional Programme	
9:00-10:30	EST POLICY DIALOGUE 3 : First Conceptual Successor of the Bangkok 2020 Declaration (2010-2020) until 2030 aligning with the SDGs	
<b>Background:</b> The Bangkok 2020 Declaration (2010-2020), adopted by the 5 <sup>th</sup> Regional EST Forum in Asia (Bangkok, 2010) is drawing to a close in two years. The Bangkok 2020 Declaration, with twenty time-bound EST goals and monitoring indicators (to assess progress in meeting them) embedded in avoid-shift-improve strategy, was the first regional declaration on the strengthening of environmentally sustainable land transport in developing Asia. There is a need to initiate discussions on a possible follow-up agreement to the Declaration. The continued need to improve access and sustainability of transport in Asia together with the need to make the whole transport system, services and infrastructures resilient merits a detailed discussion over the next years to extend the Regional EST Forum in Asia beyond 2020 and also a discussion on an overarching framework of the successor of Bangkok 2020 Declaration. In conducting this discussion, it will be important to build on the strengths of the Bangkok 2020 Declaration and address its shortcomings while taking account the changing focus in transport policy environment. It is important that the successor is aligned with the timeframe of the 2030 Agenda for Sustainable Development and the SDGs.		
[Venue: Song Hong Grand Ballroom]	<b>Background Presentations</b> <i>Presentation: Draft Successor of Bangkok 2020 Declaration (2020-2030) Aligning with the SDGs</i> – by <b>C. R. C. Mohanty</b> , Environment Programme Coordinator, UNCRD (15 min.)  <i>Presentation 2: The Implementation of the National Action Plan for Implementing "Agenda 2030 for Sustainable Development"</i> – by <b>Nguyen Tuan Anh</b> , DDG, Department of Science, Education, Natural Resources and Environment, Ministry of Planning and Investment (MPI), Viet Nam (10 min.)  <i>Intervention: Strategic Positioning of 2030 Declaration on Sustainable Transport in Asia from ADB's View Point</i> – by <b>Jamie Leather</b> , Chief of Transport Sector Group, Asian Development Bank (5 min.)  <b>Country intervention/ Panel Discussion (50 min.)</b> Afghanistan, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, People's Republic of China, Indonesia, India, Islamic Republic of Iran, Japan, Republic of Korea, Lao People's Democratic Republic, Malaysia, Maldives, Mongolia, Myanmar, Nepal, The Philippines, Pakistan, Russian Federation, Thailand, Singapore, Sri Lanka, Timor-Leste and Viet Nam	<u>Session Chair:</u> <b>H. E. Dr. Bounchanh Sinthavong</b> , Minister of Public Works and Transport (MPWT), Lao People's Democratic Republic  <u>Facilitator / Moderator:</u> <b>C. R. C. Mohanty</b> , Environment Programme Coordinator, UNCRD  <u>Rapporteur:</u> <b>Karlson Hargroves</b> , Curtin University & <b>Ganesh Raj Joshi</b> , UNCRD
	<b>Discussion Points:</b> 1. What should be the defining features of the successor of the Bangkok 2020 Declaration considering the changing focus in transport policy environment in Asia? How should we better align the successor with the 2030 Agenda for Sustainable Development and SDGs?  2. In setting goals, it is useful to distinguish between goals focused on improving rural and urban access and national connectivity as well as economic, social and environmental sustainability of transport. To this regard, while the goal statements are still drafts do you have any comments and input on the proposed formulations?  3. Is your Ministry or organization interested to be part of further detailed discussions on the new declaration and if so, would you be willing to consider becoming part of the EST Forum to support the implementation of the new declaration?  4. Is the attached draft concept paper and approach helpful in further advancing the discussion with the EST member countries in Asia?	
	<b>Open Discussion/ O&amp;A</b>	

<b>DAY 3 - 30 OCTOBER 2019 (Wednesday)</b> [Venue: Song Hong Grand Ballroom]	
<b>Time / Room</b>	<b>Provisional Programme</b>
<b>10:30-11:00</b>	<b>Coffee/Tea Break: Coffee Corner Lecture</b>
<b>11:00-12:30</b>	<b>MAYORS EST POLICY DIALOGUE 1: Transforming Asian Cities through Attractive, Efficient and Affordable Bus System ~ Achieving SDG 11</b>
<b>[Venue: Song Hong Grand Ballroom]</b>	<p><b>Background Presentations</b></p> <p><b>Presentation 1:</b> <i>Transforming Asian Cities through Attractive, Efficient and Affordable Bus System ~ Achieving SDG 11</i> – by <b>Jan Deman</b>, Managing Director for the Busworld Foundation, Bus World Academy (5 min.)</p> <p><b>Presentation 2:</b> <i>Evolution Towards E-bus Systems in South East Asia</i> – by <b>Akash Passey</b>, Senior Vice President – Business Region International, Volvo Bus Corporation, Sweden (10 min.)</p> <p><b>Presentation 3:</b> <i>The Process of Implementing the BRT Systems in Malaysia</i> – by <b>Rudyanto Azhar</b>, Head of the Iskandar Malaysia Bus Rapid Transit (IMBRT) (10 min.)</p> <p><b>Presentation 4:</b> <i>Transit Oriented Development and Smart Growth - Case of Green Slow Mobility</i> – by <b>Hirotsugu Maruyama</b>, General Manager, Eco-Mo Foundation, Japan (10 min.)</p> <p><b>Presentation 5:</b> <i>Introduction of CNG-DEASEL Hybrid Bus Under the JCM Scheme in Semarang, Indonesia</i> - by <b>Hidenori Ishiguro</b>, Consultant, Hokusan Co. Ltd, Japan (10 min.)</p> <p><b>Session Chair:</b> <b>Mr. Nguyen The Hung</b>, Vice Chairman of Hanoi People's Committee, Viet Nam</p> <p><b>Facilitator / Moderator:</b> <b>Jan Deman</b>, Bus World Academy</p> <p><b>Rapporteur:</b> <b>Kulwant Singh</b>, Urban Policy, Transport Specialist, Indian Heritage Cities Network</p>
	<p><b>Panel Discussion (45 min.)</b></p> <ol style="list-style-type: none"> <li><b>Akash Passey</b>, Senior Vice President – Business Region International, Volvo Bus Corporation, Sweden</li> <li><b>Rudyanto Azhar</b>, Head of the Iskandar Malaysia Bus Rapid Transit (IMBRT), Asia</li> <li><b>Gita Satyal</b>, Deputy Mayor, Lalitpur Metropolitan City, Nepal</li> <li><b>Hirotsugu Maruyama</b>, General Manager for Eco-Mo Foundation, Japan</li> <li><b>Zhu Zhidong</b>, Member of CPC Committee &amp; Vice Office Director, Quzhou Development and Reform Commission, PR China</li> <li><b>Billy-Li Xiang</b>, the President of China SUC Institute. P. R. China</li> </ol> <p><b>Discussion Points</b></p> <ol style="list-style-type: none"> <li>What is the current state of bus system in Asian cities? Are they safe, attractive, efficient, affordable and sustainable?</li> <li>Why is bus system important for sustainable urban mobility? What important lessons the successful BRT cases (e.g., Bogota, Curitiba, Guangzhou, Johannesburg, Seoul, etc.) offer us in transforming the conventional bus system in Asia?</li> <li>Some of the Asian cities are pursuing ambitious electric bus programmes to reduce the emissions and improve efficiency of transport systems. Is there a promising future of e-bus system in Asia?</li> <li>Intermodality is a key feature of integrated transport systems and policy, and it is the principle underlying the “Avoid-Shift-Improve” approach (UN, 2016). In this regard, what important contributions the bus system can make?</li> </ol>

<b>DAY 3 - 30 OCTOBER 2019 (Wednesday)</b> [Venue: Song Hong Grand Ballroom]		
<b>Time / Room</b>	<b>Provisional Programme</b>	
	<p>5. In both developed and developing countries, rural connectivity is an ongoing challenge, especially as economic and social activities and opportunities are often based in cities, towns and markets (UN, 2016). In this regard, what important role bus can play in ensuring better rural-urban connectivity and integration, including promotion of tourism in rural areas?</p> <p>6. How can the bus system be made profitable and sustainable? What are they critical operational challenges? How can they be overcome? What can public-private-partnership (PPP) offer in this regard?</p> <p><b>Open Discussion</b></p>	
<b>12:30-13:30</b>	<b>Networking Lunch</b>	
<b>13:30-15:00</b>	<b>EST ROUNDTABLE: Country, Donor &amp; Development Partner Dialogue on Project Development</b>	
[Venue: Song Hong Grand Ballroom]	<p><b>EST Roundtable Discussion:</b> Donors (JICA, ADB, WB, GIZ, DFID/ReCAP, SLoCaT, etc)</p> <p><b>Country and Donor Dialogue (60 min.)</b> - Brief introduction by donors (each 3-5 min. maximum) - Country and donor dialogue</p> <p>(All country and city government representatives are requested to participate and contribute to the session)</p> <p><b>Discussion Points</b></p> <ol style="list-style-type: none"> <li>1. What are some of the best project development experience in transport sector? Please give some specific example/s with name, duration, source of financing?</li> <li>2. What were the key lessons learned in terms of issues and challenges faced, including technical, institutional and financial, and how they were overcome in developing vis-à-vis implementing the project?</li> <li>3. How could transport projects be assured that advances sustainable development in SDGs era?</li> <li>4. What are the key enabling factors for a transport project that would accelerate necessary transition towards more sustainable, low-carbon transport systems?</li> </ol> <p><b>Open Discussion</b></p>	<p><b>Session Chairs:</b> <b>H.E. Mr. Karma Donnen Wangdi</b>, Ministry of Information and Communications, Bhutan <b>&amp;</b> <b>Mr. Nguyen The Hung</b>, Vice Chairman of Hanoi People's Committee, Viet Nam</p> <p><b>Facilitator / Moderator:</b> <b>Simon Ng</b>, Business Environment Council (BEC)</p> <p><b>Rapporteur:</b> <b>Robert Earley</b>, President, Sino-Canadian Commodities Consulting Co. Ltd.</p>
<b>15:00-17:00</b>	<b>MAYORS EST POLICY DIALOGUE 2: Integrated Urban Transport Planning &amp; Development- Initiative by Asian Cities</b>	
[Venue: Song Hong Grand Ballroom]	<p><b>Presentation 1: e-Mobility and Intelligent Transport System (ITS) towards Smart Cities: Cases of P.R. China</b> – by <b>Jamie Leather</b>, Chief of Transport Sector Group, Asian Development Bank (10 min.)</p> <p><b>Presentation 2: Maintenance and QA/QC of Air Quality Monitoring Stations in Japan</b> - by <b>Toshihisa Ishizuka</b>, Director, Japan Environmental Technology Association (10 min.)</p> <p><b>Presentation 3: Formulating Aviation Environmental Policy and Technical Collaboration for Aircraft Noise Monitoring Technique on</b></p>	<p><b>Session Chair:</b> <b>H. E. Mr. Ahmed Mujthaba</b>, Minister of State for Environment Ministry of Environment, Maldives</p> <p><b>Facilitator / Moderator:</b></p>

DAY 3 - 30 OCTOBER 2019 (Wednesday) [Venue: Song Hong Grand Ballroom]		
Time / Room	Provisional Programme	
	<p><i>JICA Project in Vietnam</i> – by <b>Masuharu Ohya</b>, Senior Manager, RION Co. Ltd., Environmental Instruments, Japan (10 min.)</p> <p><b>Presentation 4:</b> <i>Decarbonization of Transport through Integrated Urban Planning</i> – by <b>Madan Bandhu Regmi</b>, Transport Division, UN ESCAP (10 min.)</p> <p><b>Presentation 5:</b> <i>Low Carbon Smart Mobility ~ Experience of Global Forum on Human Settlements (GFHS)</i> – by <b>Lu Haifeng</b>, Secretary General of Global Forum on Human Settlements (10 min.)</p> <p><b>City Interventions</b></p> <ol style="list-style-type: none"> <li>1. <b>Sifa Mohammed</b>, Mayor, Male City, Maldives (3 min.)</li> <li>2. <b>Jiang Yuhui</b>, the party Secretary General of Jiuhua Village Kecheng District, Quzhou City, PR China (3 min.)</li> <li>3. <b>Xu Xiangrong</b>, Head of Promotion Division of Rural Social Cause, Quzhou Agriculture and Rural Development Beau, P.P. China.</li> <li>4. <b>Sushila Mishra Bhatt</b>, Deputy Mayor, Dhangadhi Sub Metropolitan City, Nepal (3 min.)</li> <li>5. <b>Ignacio R Almira</b>, Engineer, Department of Environment and Natural Resources, Quezon City, the Philippines (3 min.)</li> </ol> <p><b>Expert Interventions</b></p> <ol style="list-style-type: none"> <li>6. <b>Kulwant Singh</b>, Urban Policy, Transport Specialist, Indian Heritage Cities Network (3 min.)</li> <li>7. <b>Bronwen Thornton</b>, CEO, Walk21 (3 min.)</li> </ol>	<p><b>Jamie Leather</b>, Chief of Transport Sector Group, Asian Development Bank</p> <p><u>Rapporteur:</u> <b>Karlson Hargroves</b>, Curtin University</p>
	<p><b>Discussion Points</b></p> <ol style="list-style-type: none"> <li>1. A good integrated urban transport planning and development encompasses a number of aspects such as land use planning, energy efficiency, minimization of GHG and other emissions and environmental impacts, traffic management, safety, affordability, accessibility, resilient mobility solutions, good governance, social equity and gender, mobility needs of transport sensitive groups, multi-modal integration, ITS, etc. What is the current capacity of Asian cities in understanding urban transport in all relevant dimensions and in developing urban transport plans and programs and projects that are more integrated and sustainable towards achieving the SDGs?</li> <li>2. Providing high quality and integrated urban transport requires a holistic thinking in terms of entire end-to-end journeys which involves efficient multi-modal integration for seamless transfer between mode to mode, including the provisions of safe walking and bicycling for accessing the services. To what extent Asian cities have incorporated walking and bicycling into the public transport system?</li> <li>3. Integrated approach to achieve sustainable transport involves both horizontal integration among sectors, institutions, modes and fares and vertical integration among levels of jurisdiction and authority. To what extent Asian cities have been able to address this?</li> <li>4. By addressing land use and transport planning as two sides of same (access) coin, policy makers and planners can build more compact, efficient and low carbon cities with more effective transport corridors, parking and street designs, multi-modal integration, better public places to foster community interaction and social integration.</li> </ol> <p><b>Open Discussion</b></p>	

	<b>DAY 3 - 30 OCTOBER 2019 (Wednesday)</b> [Venue: Song Hong Grand Ballroom]
<b>Time / Room</b>	<b>Provisional Programme</b>
<b>16: 30-17:00</b>	<b>Signing of the Ha Noi Addendum to Kyoto Declaration for the Promotion of Environmentally Sustainable Transport (EST) Towards Realizing Resilient, Smart and Liveable Cities in Asia</b>  Ha Noi City; Bangkok, Thailand; Beijing, P.R. China; Dhangadhi, Nepal; Karachi, Pakistan; Khulna, Bangladesh; Kunming, P.R. China; Lalitpur, Nepal; Male, Maldives; New Delhi, India; Quzhou, P.R. China; Utsunomiya, Japan
<b>17: 00-17:30</b>	<b>Coffee/Tea Break &amp; Networking and Bilateral Cooperation Discussion Time</b>
<b>17:30-18:30</b>	<b>EST PLENARY SESSION 4: Adoption of Ha Noi Declaration on Realizing Smart Cities and Communities in Asia through Environmentally Sustainable Transport (EST) Solutions and Measures &amp; Chair's Summary</b>
[Venue: Song Hong Grand Ballroom]	<p><b><u>Chair:</u></b>  <b>H. E. Mr. Nguyen Duc Chung</b>, Chairman of Hanoi People's Committee, Viet Nam</p> <p><b>Mr. Le Anh Tuan</b>, Deputy Minister of Ministry of Transport, Government of Viet Nam</p> <p><b><u>Facilitators / Moderators:</u></b>  <b>C. R. C. Mohanty</b>, Environment Programme Coordinator, UNCRD and <b>Holger Dalkmann</b>, Founder and CEO, Sustain 2030, Berlin, Germany</p> <p><b><u>Rapporteurs:</u></b>  <b>Simon Ng</b>, BEC &amp; <b>Ganesh Raj Joshi</b>, UNCRD</p>
<b>18:30-19:00</b>	<b>Official Closing Ceremony of the 12th Regional EST Forum in Asia</b>
[Venue: Song Hong Grand Ballroom]	<b>Closing Remarks:</b>  <b>Announcement :</b> <ul style="list-style-type: none"> <li>▪ <b>Madan Bandhu Regmi</b>, Transport Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP)</li> <li>▪ <b>Kazushige Endo</b>, Director, United Nations Centre for Regional Development (UNCRD) / UN DESA</li> <li>▪ <b>Mr. Tokuaki Shobayashi</b>, Councilor of Minister's Secretariat, Ministry of the Environment, Government of Japan</li> <li>▪ <b>Mr. Le Anh Tuan</b>, Deputy Minister of Ministry of Transport, Government of Viet Nam</li> </ul>
<b>19:00-21:00</b>	<b>FAREWELL RECEPTION</b> <b>Hosted by: Ministry of Transport, Viet Nam</b>



DAY 4 -31 OCTOBER 2019 (Thursday)	
Venue: Ha Long, Quang Ninh Province	
Time / Room	Provisional Programme
7:00-19:00	<b>TECHNICAL FIELD TRIP ON EST : Going to Halong Bay, Ha Long, Quang Ninh Province</b> <b>Hosted by: Quang Ninh Province Government</b>
07:00-09:20	Bus will leave from Sheraton Hotel to Quang Ninh Province (Direct to Hon Gai International Cruise Ship Terminal)
09:20-13:00	Visit Hon Gai International Cruise Ship Terminal & Take a short trip on Ha Long Bay to show multimodal integration, including inland water- transit and lunch on board cruise ship
13:00-13:30	Bus will leave from Hon Gai International Cruise Ship Terminal to Exhibition Center on Quang Ninh Development Master Plan
13:30-14:55	<ul style="list-style-type: none"> <li>- Welcome Speech by <b>Mr. Bui Van Khang</b>, Vice Chairman of Quang Ninh People's Committee, Viet Nam</li> <li>- Clip introduction of Quang Ninh Province - Smart City and ITS</li> <li>- Summary of the 12<sup>th</sup> Regional EST Forum and Ha Noi Declaration on Smart City</li> <li>- Closing Remark by <b>Mr. Le Anh Tuan</b>, Deputy Minister of Ministry of Transport, Government of Viet Nam</li> </ul>
14:55-15:15	Visit Exhibition Center on Quang Ninh Development Master Plan
15:15-15:30	Bus will leave from Exhibition Center on Quang Ninh Development Master Plan to Quang Ninh Administration Center
15:30-15:45	Visit Quang Ninh Administration Center
16:00-18:30	Back to Hanoi
	

# REGIONAL SEMINAR

## 28-29 October 2019



Ministry of Transport,  
Ministry of Natural Resources and Environment,  
Ministry of Construction,  
Hanoi People's Committee, Viet Nam



### Regional Capacity Building Workshop on Urban Mobility and Sustainable Urban Transport Index

28-29 October 2019

Venue: Thang Loi Hotel, Hanoi, Viet Nam

Co-organized by:

Ministry of Transport, Government of Viet Nam  
United Nations Economic and Social Commission for Asia & the Pacific  
United Nations Centre for Regional Development of the Division for Sustainable Development Goals/United Nations Development of Economic & Social Affairs

	28 October 2019 (Monday) Venue: Thang Loi Hotel, Hanoi, Viet Nam
Time / Room	Provisional Programme
08:00-08:30 Thang Loi 1	Registration
08:30 - 08:45 Thang Loi 1	Opening Session
08:30 - 08:45 Thang Loi 1	<b>Opening of the Workshop</b> - Overview of the Workshop: <b>Madan B. Regmi</b> , Economic Affairs Officer, Transport Division, UNESCAP, Bangkok - Opening Remarks: <b>C R.C. Mohanty</b> , Environment Programme Coordinator, UNCRD - Opening Address: <b>Nguyen Huu Tien</b> , Deputy Director General, Department of Environment, Ministry of Transport, Viet Nam
08:45 - 10:00 Thang Loi 1	<b>Overview of Urban Mobility in Asian cities and Introduction to the Sustainable Urban Transport Index (SUTI)</b> - Overview of urban mobility in Asian cities: <b>UNESCAP</b> - Sustainable Urban Transport Index (SUTI) for Asian cities: <b>Madan B. Regmi</b> , Economic Affairs Officer, UNESCAP, Bangkok - SUTI data collection Guideline and application of SUTI in Asian Cities: <b>Shivanand Swamy</b> , CEPT University, India
10:00 – 10:15	Tea/coffee break
10:15 - 12:30 Thang Loi 1	<b>Experiences of Asian cities on mobility assessment using SUTI and application of SUTI in other cities/countries of the region</b> - Urban mobility in Thimphu and Application of SUTI: <b>Sanjeev Mehta</b> , Royal Thimphu College, Bhutan - Urban Mobility in Khulna and Application of SUTI: <b>Md Ahsanul Kabir</b> , Khulna University, Khulna, Bangladesh

	<ul style="list-style-type: none"> <li>- Urban Mobility in Bhopal and Application of SUTI: <b>Shivanand Swamy</b>, CEPT University, India</li> <li>- Urban Mobility and application for SUTI in Tehran: <b>Mina Mojtehedzadeh</b>, Tehran, Islamic Republic of Iran</li> <li>- Urban Mobility in Ulaanbaatar and Application of SUTI: <b>Erdenechimeg Eldev-ochir</b>, Mongolia</li> <li>- Urban Mobility in Suva and application of SUTI: <b>Aseri N. Driu</b>, Ministry of Infrastructure, Fiji</li> </ul>
<b>12:30 – 13:30</b>	<b>Lunch break</b>
<b>13:30 - 15:15 Thang Loi 1</b>	<b>Strategies for enhancing sustainability of urban mobility in the region</b> <ul style="list-style-type: none"> <li>- Urban transport in major cities in Viet Nam: <b>Pham Hoi Chung</b>, Director, Rural &amp; Urban Transport Development Center, Transport Development Strategy Institute, MOT-Viet Nam</li> <li>- Integrated urban transport planning and transit oriented development: <b>Shivananda Swamy</b>, CEPT University, Ahmedabad, India</li> <li>- Improvement of urban transport system in Bandung, <b>Widyarini Weningtyas</b>, Institut Teknologi Bandung, Indonesia</li> <li>- Strategies for improving urban mobility in Kathmandu and other major cities in Nepal, <b>Surya Raj Acharya</b>, Tribhuvan University, Kathmandu</li> <li>- Decarbonization of Transport in Urban Context: <b>Angela Eriquez</b>, SLoCaT</li> <li>- Policies and strategies for improving urban transport: perspectives of development partners, and international organizations (tbc)</li> <li>- Updates from member States and cities (tbc)</li> </ul>
<b>15:15 - 15:45 Thang Loi 1</b>	<b>The way forward</b>
<b>16:00 - 17:30 Grand Ballroom</b>	<b>Opening of the 12<sup>th</sup> EST Forum (Sheraton Hanoi)</b>
<b>Song Hong Grand Ballroom</b>	<b>29 October 2019 (Tuesday) Sheraton Hanoi Hotel</b>
<b>09:00 - 18:30 Song Hong Grand Ballroom</b>	<b>Integrated programme with 12<sup>th</sup> Regional EST Forum in Asia</b>
<b>Song Hong Grand Ballroom</b>	<b>(EST plenary 1, 2, and 3 and EST Policy Dialogue 1 and 2)</b>



## PRE-EVENTS

28 October 2019 (Monday)



LISD

### PRE-EVENT - 1

28 October 2019 (Monday)

## Unlocking Economic Benefits of Clean Transportation

28 October 2019

Venue: Sheraton Hanoi Hotel, Hanoi, Viet Nam

#### Co-organized by:

Ministry of Transport, Government of Viet Nam

Ministry of Natural Resources and Environment, Government of Viet Nam

Ministry of Construction, Government of Viet Nam

Hanoi People's Committee, Government of Viet Nam

Ministry of the Environment, Government of Japan

Liechtenstein Institute for Strategic Development

United Nations Centre for Regional Development of Division for Sustainable Development Goals/ United

Nations Department of Economic and Social Affairs

#### Facilitated by:

Liechtenstein Institute for Strategic Development

Wuppertal Institute

Curtin University, Australia

28 OCTOBER 2019 (Monday)

Time / Room	Provisional Programme
08:00-09:00	Registration
09:00 – 9:10 Song Hong 1	<b>Opening Session</b> - Kazushige Endo, Director, UNCRD - Tran Anh Duong, Director General, Department of Environment, MoT, Viet Nam
09:10 – 10:00	<b>Plenary Session 1: Unlocking Economic Benefits of Clean Transportation</b> Moderator: <b>Peter Droege</b> , Director, Liechtenstein Institute for Strategic Development, Liechtenstein
Room: Song Hong 1	<b>Introduction of the workshop &amp; key background presentation:</b> <i>Unlocking Economic Benefits of Clean Transportation</i> –by <b>Peter Droege</b> , Director, Liechtenstein Institute for Strategic Development, Liechtenstein (15 min.)  <b>Presentation 1:</b> <i>Economic Benefits of Clean Vehicles and Alternative Fuels</i> –by <b>Karlson Hargroves</b> , Senior Research Fellow, Curtin University Sustainability Policy Institute, Australia (12 min.)  <b>Presentation 2:</b> <i>Unlocking Economic Benefits through Green Freight and Urban Logistic</i> – by <b>Robert Earley</b> , President, Sino-Canadian Commodities Consulting Co. Ltd. (12 min.)

	28 OCTOBER 2019 (Monday)
Time / Room	Provisional Programme
	<p><b>Presentation 3:</b> <i>Presentation on European Experience of Clean Transport</i> – by <b>Martin Schmied</b>, Head of Transport Department, German Federal Environment Agency, Germany (12 min.)</p> <p><b>Q&amp;A Session &amp; Open Discussion</b></p>
10:00-10:30	Coffee/Tea Break
10:30 – 11:00	<p><b>Plenary Session 2: Green Mobility Options for Socioeconomic Benefits</b> Moderator: <b>Santhosh Kodukula</b>, Project Coordinator, Wuppertal Institute (tbc)</p>
Room: Song Hong 1	<p><b>Presentation 1:</b> <i>Socioeconomic Benefits from Green Mobility</i> – by <b>Santhosh Kodukula</b>, Project Coordinator, Wuppertal Institute (12 min.)</p> <p><b>Presentation 2:</b> <i>Data and Advanced Information System towards Road Safety</i> – by <b>Chiaki Takahashi &amp; Kaito Kanatani</b>, ASUA, Inc. Japan (12 min)</p> <p><b>Presentation 3:</b> <i>Global Overview on Green Transport Development &amp; it's Implications to Socioeconomic Transformation</i> – by <b>Karl Peet</b>, Research Director, SLoCaT (12 mins)</p>
11:00 – 11:30	<p><b>Panel discussion:</b> <i>Discussion on the Issues and Challenges on Policy, Planning, Technology, Financing, Institution, Governance for the Implementation of Clean and Green Transportation</i> (30 min.)</p> <ul style="list-style-type: none"> <li>• <b>Dang Tran Khanh</b>, Deputy Head of VAR, Viet Nam Register</li> <li>• <b>Martin Schmied</b>, Head of Transport Department, German Federal Environment Agency, Germany</li> <li>• <b>Peter Droege</b>, Director, Liechtenstein Institute for Strategic Development, Liechtenstein</li> <li>• <b>Shengchuan Zhao</b>, Professor and Honorary Dean of School of Transportation and Logistics, Dalian University of Technology, P.R. China</li> <li>• <b>Yoshitaka Motoda</b>, Professor Emeritus, Iwate Prefectural University, Japan</li> <li>• <b>Surya Raj Acharya</b>, Visiting Professor, Institute of Engineering, Tribhuvan University, Nepal</li> <li>• <b>D. V. Manohar</b>, Vice President and Treasurer, World Cycling Alliance, Brussels</li> </ul> <p>Q &amp; A Session</p>
Room: Song Hong 1	
11:30 – 12:30	<p><b>Plenary Session 3: Integrated Land-use Planning, Urban Planning and Transport Planning- Economic and Climate Co-benefits</b> Moderator: <b>Karlson Hargroves</b>, Senior Research Fellow, Curtin University Sustainability Policy Institute, Australia</p>
Room: Song Hong 1	<p><b>Presentation 1:</b> <i>Integrated Land-use Planning, Urban Planning and Transport Planning- Economic and Climate Co-benefits</i> – by <b>Peter Newman</b>, Curtin University, Australia (12 min.)</p> <p><b>Presentation 2:</b> <i>Long-term Economic &amp; Climate Co-benefits through Transit-Oriented Development: Case of Hong Kong, P.R. China</i> – by <b>Simon Ng</b>, Business Environment Council (BEC), Hong Kong Administrative Region of P.R. China (12 min.)</p> <p><b>Presentation 3:</b> <i>Importance of walking and bicycling in Integrated Land-use Planning ~ Economic and Climate Co-benefits</i> – by <b>Bronwen Thornton</b>, CEO, Walk21 (12 min.)</p> <p><b>Panel discussion:</b> <i>Discussion on the Common Issues, Challenges and Opportunities for the Development on the Integrated Land-use Planning, Urban Planning and Transport Planning in Asia and the Pacific</i> (20 min.)</p> <ul style="list-style-type: none"> <li>• <b>Muhammad Maswood Alam</b>, Senior Director, Karachi Metropolitan Corporation, Pakistan (tbc)</li> <li>• <b>Peter Newman</b>, Curtin University, Australia</li> <li>• <b>Peter Droege</b>, Director, Liechtenstein Institute for Strategic Development, Liechtenstein</li> <li>• <b>Bronwen Thornton</b>, CEO, Walk21</li> <li>• <b>Ashok Wankhade</b>, Managing Director, All India Institute of Local Self-Government (tbc)</li> <li>• <b>Kulwant Singh</b>, Urban Policy, Transport Specialist, Indian Heritage Cities Network</li> </ul>

	<b>28 OCTOBER 2019 (Monday)</b>
<b>Time / Room</b>	<b>Provisional Programme</b>
	Q & A Session (5 min.)
<b>12:30 – 13:00</b> <b>Song Hong 1</b>	<b>Closing Session</b> <ul style="list-style-type: none"> <li>- Kazushige Endo, Director, UNCRD</li> <li>- Peter Droege, Director, LISD - wrap up of the Pre-event</li> </ul>
<b>13:00 – 14:00</b>	<b>Networking Lunch</b>
<b>14:00 – 16:00</b>	<b>Networking and Bilateral Cooperation Discussion Time &amp; Coffee/Tea Break</b>



**PRE-EVENT - 2**  
**28 October 2019 (Monday)**

**The Role of Women in Developing Rural Transport**  
**Monday 28 October 2019**

**Venue: Sheraton Hanoi Hotel, Hanoi, Viet Nam**

**Co-organized by:**

**Ministry of Transport, Government of Viet Nam**  
**Ministry of Natural Resources and Environment, Government of Viet Nam**  
**Ministry of Construction, Government of Viet Nam**  
**Hanoi People's Committee, Government of Viet Nam**  
**Department for International Development Government of the United Kingdom**  
**Ministry of the Environment, Government of Japan**  
**United Nations Economic and Social Commission for Asia and the Pacific**  
**United Nations Centre for Regional Development of Division for Sustainable Development Goals/ United Nations Department of Economic and Social Affairs**

**Facilitated by:**

**Research for Community Access Partnership (ReCAP)**

	<b>28 OCTOBER 2019 (Monday)</b>
<b>Time / Room</b>	<b>Provisional Programme</b>
<b>08:00-09:00</b>	<b>Registration</b>
<b>09:00 – 10:30 (90 min.)</b>	<p><b>Part I: Keynotes and Introductions – Taking Stock of Regional Initiatives</b></p> <p><b>Moderator: Nkululeko Leta, ReCAP</b></p> <ul style="list-style-type: none"> <li>- <b>Nguyen Manh Thang</b>, DDG, Directorate for Roads of Viet Nam, MOT, Viet Nam (tbc) (10 min)</li> <li>- <b>Keynote: Vientiane Declaration, Progress and Framework on Women in Transport</b> –by <b>C.R.C. Mohanty</b>, UNCRD (10 min)</li> </ul> <p><b>Research Initiatives</b></p> <ul style="list-style-type: none"> <li>- Empowering Women with Rural Road Maintenance Programme in Viet Nam - by <b>Nguyen Thi Diem Hang</b>, Manager, Division of Technology Science, Environment and International Cooperation, Transport Development and Strategy Institute, Ministry of Transport, Viet Nam (15 min.) (tbc)</li> <li>- General Introduction of ReCAP programme and Rural Transport in the SDG Framework–by <b>Nkululeko Leta</b>, Dept Team Leader Infrastructure Research, ReCAP PMU (15 min.)</li> <li>- Video “Empowering Women through Improved Access” (7 mins)</li> <li>- Introduction to Gender Mainstreaming Research in ReCAP –by <b>Annabel Bradbury</b>, Dept Team Leader Transport Services Research, ReCAP PMU (15 min.)</li> <li>- State of Knowledge on Existing Literature and Knowledge Available Regarding Gender and Major Transport Infrastructure across Asia and Africa –by <b>Holger Dalkmann</b>, DFID funded High Volume Transport Programme (15 min.)</li> </ul> <p><b>Question and answer (8 min.) - speakers on stage.</b></p>
<b>Room: Song Hong 2</b>	

	<b>28 OCTOBER 2019 (Monday)</b>
<b>Time / Room</b>	<b>Provisional Programme</b>
<b>10:30 – 11:00</b>	<b>Coffee/Tea Break</b>
<b>11:00 – 12:45 (105 min.)</b>  <b>Room: Song Hong 2</b>	<p><b>Part II: Gender Mainstreaming guidelines and application in Asia</b></p> <p><b>Moderator: Annabel Bradbury, ReCAP</b></p> <ul style="list-style-type: none"> <li>- Rural Transport Development in the Context of Women Empowerment in Asian-Pacific – by <b>Madan Bandhu Regmi</b>, Transport Division, UN ESCAP (10 min)</li> <li>- Presentation Guidelines on Gender Mainstreaming in Rural Transport- <b>Nite Tanzarn, ReCAP</b> Technical Panel (20 min.)</li> <li>- <b>Case studies from Nepal:</b> <ul style="list-style-type: none"> <li>- Gender Mainstreaming in Rural Transport Projects in Nepal: Case Studies of Transformative Roles of Women and Disadvantaged Groups (DAGs) at Household and Community Levels – by <b>Jun Hada, WISE Nepal</b> (15 min.)</li> <li>- Transforming Gender Relations in the Trail Bridge Programme in Nepal: An Analysis of Policies and Practices – by <b>Ansu Tumbahangfe, Helvetas Nepal</b> (15 min.)</li> </ul> </li> <li>- <b>Panel discussion on the policy implications of the gender mainstreaming guidelines and their application in EST Member countries with involvement of panellists and the audience</b> <ul style="list-style-type: none"> <li>- <b>Ms. Nguyen Thi Phuong Hien</b>, DDG, Transport Development and Strategy Institute, Ministry of Transport, Viet Nam (tbc)</li> <li>- <b>AsCAP Delegates</b> (tbc)</li> <li>- <b>Dang</b>, University of Transport and Communications, Vietnam (tbc)</li> <li>- <b>Nite Tanzarn, ReCAP</b> Technical Panel</li> <li>- <b>Jun Hada, WISE Nepal</b></li> <li>- <b>Ansu Tumbahangfe, Helvetas, Nepal</b></li> </ul> </li> </ul>
<b>12:45 – 13:00</b>  <b>Room: Song Hong 2</b>	<p><b>Conclusions</b></p> <p><b>Closing Statements:</b></p> <ul style="list-style-type: none"> <li>- UNCRD</li> <li>- ReCAP wrap up of the Pre-event (AB)</li> </ul>
<b>13:00 – 14:00</b>	<b>Networking Lunch</b>
<b>14:00-16:00</b>	<b>Networking and Bilateral Cooperation Discussion Time &amp; Coffee/Tea Break</b>



## PRE-EVENT - 3

28 October 2019 (Monday)

### Innovative Concepts for Sustainable Mobility in Asia

Monday 28 October 2019

Venue: Thang Loi Hotel, Hanoi, Viet Nam

#### Co-organized by:

Ministry of Transport, Government of Viet Nam (tbc)

German ASEAN Cooperation project SMMR

Wuppertal Institute

United Nations Centre for Regional Development of Division for Sustainable Development Goals/ United Nations Department of Economic and Social Affairs

#### Facilitated by:

German ASEAN Cooperation Project SMMR

Wuppertal Institute

28 OCTOBER 2019 (Monday)

Time / Room	Provisional Programme
	<b>Registration</b>
09:00-9:30	<p><b>Welcome</b></p> <ul style="list-style-type: none"> <li>- Joachim Bergerhoff, SMMR</li> <li>- Santhosh Kodukula, Wuppertal Institute</li> <li>- Nguyen Thu Hang, DDG, Department of Environment, MoT-Viet Nam</li> </ul>
09:30-10:30	<p><i>Metropolitan Mobility Planning</i> – <b>Susanne Böhler</b>, SMMR (15 min.)</p> <p><i>Metropolitan Planning for the Thai-Lao cross-border connection in Vientiane/Nong Khai</i>–<b>Lamhka Xayasane</b>, Vientiane &amp; <b>Somwang Areeaue</b>, Nong Khai (15 min.)</p> <p><i>Developing a public transport network for the Can Tho Metropolitan Region</i>- <b>Minh Ton</b>, CTC Department of Transport (15 min.)</p> <p><i>Gathering Data for Integrated Planning</i>- <b>Kong Sophal</b>, MPWT Cambodia (15 min.)</p> <p><i>Organising Metropolitan Transport Effectively</i> – <i>Metropolitan Transport Executives</i>- <b>Ho Gayang</b>, UITP (15 min.)</p>
10:45 – 11:00	<b>Tea/coffee break</b>
11:00-12:45	<p><i>NMT for Improving Urban Mobility and Road Safety – Cases from Asia and Beyond</i>- <b>Bronwen Thornton</b>, Walk21 (15 min.) (tbc)</p> <p><i>Sustainable mobility in Lalitpur, Nepal – Challenges and opportunities</i>- <b>Gita Satyal</b>, Dy Mayor, Lalitpur, Nepal (15 min.)</p> <p><b>Panel Discussion: Multilateral Cooperation in Metropolitan Planning (45 min.)</b> (Moderation: Joachim Bergerhoff, SMMR)</p>

	<ul style="list-style-type: none"><li>- <b>Kong Sophal</b>, MPWT Cambodia</li><li>- <b>Somwang Areeaue</b>, Nong Khai</li><li>- <b>Lamhka Xayasane</b>, Vientiane</li><li>- <b>Minh Ton</b>, CTC Department of Transport</li><li>- <b>Gita Satyal</b>, Lalitpur</li></ul> <p><i>Urban Pathways project in Asia- Shritu Shrestha</i>, Wuppertal Insitute (15 min.)</p> <p>Wrap-up (15 min.)</p>
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Supported by:



## PRE-EVENT – 4 23-24 September 2019

### Workshop on Electrification of Public Transport Ahmedabad, India

23-24 September 2019

Venue: Fortune Landmark, Ahmedabad, India

#### Co-organized by:

WRI India, Ahmedabad Municipal Corporation, CEPT University &amp; UNCRD

#### Day 1: Sept 23, 2019

Time	Session	
09:30-10:00	Registration	
<b>Inaugural Session</b>		
10:00-11:00	Opening Plenary	<ul style="list-style-type: none"> <li>Welcome Prof Shivanad Swamy, CEPT University</li> <li>Background Address-Mr. Vivek Chandran, Shakti Foundation</li> <li>Inaugural Address-Shri Vijay Nehra, IAS, Commissioner, AMC</li> <li>Inaugural Address– Shri Mukesh Puri, Add Chief Secretary, GOG</li> <li>Vote of Thanks –Mr. Amit Bhatta, WRI</li> </ul>
11:00- 11:15	Tea Break	
<b>Session 1</b>		
11:15-12:00	Electrification of public transport	<ul style="list-style-type: none"> <li>Mr. Amit Bhatta, WRI</li> </ul>
12:00-13:00	State EV Policy Framework and EV Road Map	<ul style="list-style-type: none"> <li>Mr G P Hari, Government of Kerala,</li> <li>Dr Aakash Davda, Sr. Scientist and Head- Renewable Training GERMI (A Govt Institute)</li> <li>Moderator: Vijay Anadkat, WRI India</li> <li>Q &amp; A</li> </ul>
13:00-14:00	Lunch	
<b>Session 2</b>		
14:00-15:30	Implementation of E Buses Challenges and Opportunities	<ul style="list-style-type: none"> <li>Mr Deepak Trivedi, Janmarg (Ahmedabad)</li> <li>Mr. H. K. Gupta, Himachal Pradesh Road Transport corporation,</li> <li>Mr. Ashwani Parashar, DIMTS</li> <li>Mr Suddhasatta Kundu, ISGF</li> <li>Mr Atul Tare, KPIT</li> <li>Moderator: Amit Bhatt, WRI India</li> </ul>



		<ul style="list-style-type: none"><li>• Q &amp; A</li></ul>
15.30- 16:30	E-bus Technology & charging infrastructure	<ul style="list-style-type: none"><li>• Mr Anand Deshpande, ARAI</li><li>• Mr Regi Kumar Pillai, ISGF</li><li>• Mr P. K. Arunkumar, TCE</li><li>• Moderator: Prof Shivanand Swamy</li><li>• Q &amp; A</li></ul>
16:30-16:45	Tea Break	
Session 3		
16:45-19:00	Site Visit	E Bus Operations in Ahmedabad- Site Visit
Day 2: Sept 24, 2019		
09:30-09:45	Debriefing	<ul style="list-style-type: none"><li>• Mr. Amit Bhatt, WRI India</li></ul>
Session 4		
09:45-10:45	OEM Perspectives on E mobility	<ul style="list-style-type: none"><li>• Mr Huzefa AC, Ashok Leyland</li><li>• Mr Sanjay Bhatia, TATA</li><li>• Mr Nakul Kukar, Cell Propulsion</li><li>• Moderator: Dr OP Agarwal, WRI India</li><li>• Q &amp; A</li></ul>
10:45-11:00	Tea Break	
Session 5		
11:00-12:00	Micro Mobility Options -issues and challenges	<ul style="list-style-type: none"><li>• Mr Ritesh Rathore, Yulu</li><li>• Mr Ashish Gautam, Bounce</li><li>• Mr Vikash Mishra, Lithium</li><li>• Mr Ronak Shah , ROLR</li><li>• Mr. G. P. Hari, Kochi Metro</li><li>• Moderator Madhav Pai, WRI India</li><li>• Q &amp; A</li></ul>
12:00-13:00	Business model & Financing E Mobility	<ul style="list-style-type: none"><li>• Mr Vibhuj Binani, Director, D`ACCORD</li><li>• Mr Arun Thomas Sun Mobility</li><li>• Mr Shray Shikhar , PTC India</li><li>• Dr Parveen Kumar, WRI</li><li>• Mr Gautam Patel, CEPT</li><li>• Moderator: Mr Amit Bhatt, WRI India</li><li>• Q &amp; A</li></ul>
13:00-14:00	Lunch	
Session 6		
14:00-14:45	Future of E Mobility in India	<ul style="list-style-type: none"><li>• Dr. OP Agarwal, CEO WRI India</li></ul>
14:45-15:30	Summing up and Valedictory	<ul style="list-style-type: none"><li>• Shri Vijay Nehra, IAS, Commissioner, AMC</li><li>• Dr. OP Agarwal, CEO WRI India</li><li>• Dr Shalini Sinha, CEPT</li></ul>
15:30-16:00	Tea Break	
END		



## PRE-EVENT – 5 10-11 October 2019

### Conference on Integrated Sustainable Transport for Smart and Resilient Cities (Pre-Event of UNCRD's EST Forum in Vietnam)

10-11 October 2019

Venue: Auditorium, UNESCO House, New Delhi, India

#### Co-organized by:

UN Global Compact – Network India,  
Ministry of Housing and Urban Affairs, Government of India  
Ministry of Science and Technology, Government of India  
NITI Aayog, Government of India  
All India Institute of Local Self Government TRIPP,  
Indian Institute of Technology (IIT),  
Delhi School of Planning and Architecture (SPA),  
Delhi Institute of Urban Transport (IUT)

#### Partner Organizations

Bus Operators Confederation of India (BOCI), Bus World Academy, ICLEI - Local Governments for Sustainability, Wuppertal Institute, United Cities and Local Governments, Asia Pacific (UCLG ASPAC), Rocky Mountain Institute, WRI India, GIZ, Indian Railway Station Development Corporation (IRSDC).

DAY-1	10 October 2019 (Thursday)	
Time	Programme	
09:00-10:00	Conference Registration	
	Opening Session	
10:00-11:00	<p>Welcome Address: <b>Dr. Kulwant Singh</b>, <i>Programme Coordinator and Advisor, BusWorld Academy</i>  Address: <b>Mr. Kamal Singh</b>, <i>Executive Director UN Global Compact Network India</i>  Address: <b>Mr. Ravi Ranjan Guru</b>, <i>DDG, AIILSG</i></p> <p>Keynote Address: <b>Mr. Eric Falt</b>, <i>Director, UNESCO - Moving Towards SDGs</i>  Message by <b>CRC Mohanty</b>, <i>Environment Programme Coordinator, UNCRD / UN DESA</i>  Inaugural Address: <b>Dr. M. Ramachandran</b>, <i>Former Secretary, MOUD</i>  Vote of Thanks: <b>Mr. Abhishek Pandey</b>, <i>Editor Urban Updat, AIILSG</i></p>	<p><b>Master of Ceremony:</b>  <b>Ms. Tamanna Girdhar</b>, <i>GCNI/</i>  <b>Ms. Panchali Sharma</b>, <i>GCNI</i></p>
11:00- 11:30	Networking Tea/Coffee	

DAY-1		10 October 2019 (Thursday)	
Time	Programme		
Plenary Session 1 (Theme: Public Transport Planning for Small, Medium and Large Cities)			
11:30-13:30	<p><b>Presenters/ Speakers:</b></p> <ul style="list-style-type: none"><li>• <b>Capt. V.V. Ratnaparkhi</b>, <i>Executive Director, Association of State Road Transport Undertakings (ASRTU)</i></li><li>• <b>Professor Sanjay Gupta</b>, <i>School of Planning and Architecture (SPA)</i></li><li>• <b>Mr. A.S Lakra</b>, <i>Former Director, CIRT Pune and CGM DTC, Bus Systems</i></li><li>• <b>Mr. V.K. Singh</b>,<i>Managing Director, National Capital Region Transport Corporation (NCRTC)</i></li><li>• <b>Mr. Samir Sharma</b>,<i>Vice President &amp; Head – Transport Planning DIMTS, Improving City Bus System of Delhi</i></li></ul> <p><b>Vision &amp; Challenges of Urban Transport in preparation of 2041 MPD</b></p> <ul style="list-style-type: none"><li>• <b>Ms. Sarika Chakravarty</b>, <i>Sector Expert Urban Transport, NIUA</i></li></ul>	<p><b>Chair: Mr. B.I. Singhal</b>, <i>Former Director General, IUT</i></p> <p><b>Moderator: Prof. Geetam Tiwari</b></p> <p><b>Rapporteur:</b> Ms. Ruchi Varma / TERI Scholars (Apurva Sethia, Simran Purswani &amp; Sukanksha Agarwal)</p>	
11:30-13:30	Lunch Break		
Plenary Session 2 (Theme: Non-Motorized Transport & First-Mile / Last-Mile Connectivity)			
14:30-16:00	<p><b>Speakers:</b></p> <ul style="list-style-type: none"><li>• <b>Dr. Deepty Jain</b>, <i>TERI University</i></li><li>• <b>Ms. Paromita Roy</b>, <i>Deputy Director (Arch.) Housing &amp; Urban Projects Wing (HUPW), Delhi Development Authority</i></li></ul> <p><b>NMT: Public Sharing Revolution in India-Mr. D.V. Manohar</b>, <i>Vice President, World Cycling Alliance, Brussels</i></p> <p><i>Chandni Chowk- Redesigning a historic street for pedestrians and NMV`s-</i> <b>Mr. Pradeep Sachdeva</b>, <i>Design Associates</i></p> <p><i>Integration of Sustainable Auto-rickshaws to Metro Rail System, Bangalore-</i> <b>Ms. Manju Menon</b>, <i>Project Manager, ACRA</i></p> <p><b>Safety &amp; Sustainable Transport – Increased access to spaces specially for vulnerable groups -Ms. Kalpana Vishwanath</b></p>	<p><b>Chair: Ms. Shabnam Siddiqui</b>, <i>Director, CEGET- GCNI</i></p> <p><b>Rapporteur: Ms. Ruchi Varma</b> <b>TERI- SAS</b> Scholars (Akanksha Dewan, Barkha Sharma &amp; Renuka Kulkarni)</p>	
16:00-16:30	Networking Tea/Coffee Break		
Plenary Session 3 (Theme: BRT/Bus Systems)			
16:30-18:00	<p><b>Speakers:</b></p> <p><i>Prioritising the Bus in India - potential and limitations</i> <b>Mr. Sandeep Gandhi</b>, <i>Principal Architect, SG Architects (Delhi)</i></p> <p><i>Initiatives to promote rapid transit system in Indore</i> <b>Mr. Sandeep Soni</b>, <i>CEO, AICTSL Indore</i></p> <p><i>Private Sector Participation in City Bus Services</i> <b>Ms. Sonia Arora</b>, <i>Urban Transport Expert, Institute of Urban Transport</i> <b>Mr. Laghu Parashar</b>, <i>Senior Advisor, GIZ</i></p> <p><i>Global Transportation Woes - A One- Stop Solution</i> <b>Mr. George Vergese</b>, <i>Bangalore</i></p> <p><i>Reclaiming Kala Aam Intersection in Bulandshehar (Uttar Pradesh)</i> <i>District Administration, Bulandshehar</i></p> <p><i>SDG Oriented Small cities - Patiala (Punjab) and Nainital, Uttarakhand</i></p> <ul style="list-style-type: none"><li>• <b>Mr. Samradh Singh Chauhan</b></li></ul>	<p><b>Chair: Prof. Geetam Tiwari</b></p> <p><b>Co-Chair: Mr. A.S Lakra</b>, <i>Former Director, CIRT Pune and CGM DTC</i></p> <p><b>Rapporteur: Ms. Ruchi Varma / TERI Scholars</b> (Ananyo Bandyopadhyay, Sattaru Manohar &amp; Shreyas Chorgi)</p>	

DAY-2		11 October 2019 (Friday)	
Plenary Session 4 (Theme: Electric Mobility for Urban India)			
10:00-11:30	<b>Speakers:</b> Mr. Sajid Mubashir, Scientist G, DST. Mr. Pravin Kumar Agrawal, Joint Secretary, Heavy Industries <i>Challenges in EV Adoption in India – City and State Level perspectives Mr. Jagabanta Ningthoujam, Rocky Mountain Institute</i> Ms. Prarthana Borah, India Director, Clean Air Asia Professor Nezamuddin, IIT Delhi Mr. Upendra Tripathy, Director General, International Solar Alliance Professor M. Manoj, IIT Delhi <i>Implementation of eBuses, Challenges and Opportunities</i> Mr. Atul Tare, Head of Business Development (Electric Mobility), KPIT Technologies Mr. P.M. Singh, Head Technology: Charger Division, Exicom	Session Chair - Cum-Moderator: Mr. Anil Srivastava, Principal Consultant, NITI Aayog  Session Rapporteur: Ms. Ruchi Varma / TERI Scholars (Aparva Sinkar, Mehak Arora & Trisha Bordoloi)	
Plenary Session 5 (Theme: Financing & Legal Aspects of Sustainable Public Transport)			
12:00-13:30	<b>Speakers:</b> <i>Financing and Policy related issues</i> Mr. B.N. Puri, Director, AITD Mr. Prasanna Patwardhan, President, BOCI Delhi Metro - A Sustainable Urban Transport Mr. K.K. Saberwal, Director Finance, DMRC Asian Development Bank <i>Planning and Execution of Metro Rail Projects</i> Mr. R. K. Singh, Director, Indian Railway Station Development Corporation Ltd. (IRSDC)	Chair: Professor N Ranganathan  Rapporteur: Ms. Ruchi Varma / TERI Scholars (Anamika Yadav & Anushkriti)	
13:30-14:30	Lunch Break		
Plenary Session 6 (Cross-Cutting Themes) Topics:(1) Road Safety; (2) Digital Technology in Public Transport; (3)Traffic Planning / Management, (4) Eco-Mobility & Environmental Policy			
14:30-16:00	<b>Speakers:</b> Mr. Piyush Jain, Director (MVL & IT), Ministry of Road Transport and Highways Meeting the Road Safety Challenges in India- Professor Sewa Ram,School of Planning and Architecture, Delhi Traffic Planning / Management-Mr. Yash Sachdeva, Former Group General Manager, RITES Indicators for Sustainable Mobility-Mr. Jasmeet Khurana, Senior Advisor, World Business Council for Sustainable Development (WBCSD) Enabling Public Transportation through Technology-Mr. Manoj Agarwala, Senior Vice President, RedBus Eco mobility for Indian cities: Focus on Eco logistics- Mr. Vijay Saini, ICLEI – Local Governments for Sustainability, South Asia Urban Transport Challenges &Climate Emergency-Mr. Bhure Lal, Chairman, EPCA, NCR of Delhi	Session Chair: Professor Sanjay Gupta, Head, Dept of Transport Planning, SPA  Session Rapporteur: Ms. Ruchi Varma / TERI Scholars (Debasish Mohapatra, Disha Khanna & Shubhra Bhatkulkar)	
16:00-16:30	Networking Tea/Coffee Break		
16:30-18:00	<b>Valedictory Session:</b> <b>Opening Remarks:</b> Dr. Kulwant Singh Presentation on the Conference Recommendations /Session Outcomes / Chair Summary for submission in Vietnam Forum - <b>Ms. Ruchi Varma</b> Valedictory Address: <b>Mr. Raghav Chandra</b> , Former Chairman, National Highways Authority of India & The Secretary, Government of India Vote of Thanks: <b>Shri Ravi Ranjan Guru</b> , DDG, AILSG		