



Regional Meeting on Just Transition to Low Carbon Mobility in Asia and the Pacific

and

Joint Workshop on Electrification of Public Transport

10 - 11 August 2022

9:00 – 16:00 (UTC +7)

Meeting Room F, United Nations Conference Center (UNCC)

Bangkok, Thailand and Online

Tentative Programme

Introduction and Objectives

The two-day “Regional Meeting on Just Transition to Low Carbon Mobility in Asia and the Pacific” and “Joint Workshop on Electrification of Public Transport” will highlight existing challenges in the region and identify policy action that will enable the achievement of a just and inclusive transition to low carbon transport, including the shift to electric mobility in public transport. Key discussions will contribute to the specific objectives of the Regional Action Programme for Sustainable Transport Development in Asia and the Pacific (2022–2026), including the formulation of a Regional Cooperation Mechanism on low carbon transport and electric mobility, as well as the development of an Asia-Pacific Initiative on Electric Mobility. This regional meeting and joint workshop serve as a forum for multi-stakeholder engagement and the sharing of best practice knowledge among ESCAP member States, as well as other relevant transport, urban and energy stakeholders.

Day 1: Wednesday, 10 August 2022

Regional Meeting on Just Transition to Low Carbon Mobility in Asia and the Pacific

Opening of the Regional Meeting and Workshop	
<p>Time (30 min)</p> <p>9:00 – 9:30</p>	<p>The Opening Session will present the structure and key objectives of the regional meeting and joint workshop.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Opening, structure and objectives of meeting, ESCAP</i> • <i>Opening statement, Ministry of Transport, Thailand (TBC)</i> • <i>The transition to low carbon mobility in Bangkok, Bangkok Metropolitan Administration (TBC)</i>
Session 1: Just Transition to Low Carbon Transport	
<p>Time (75 min)</p> <p>9:30 – 10:45</p>	<p>A just transition to low carbon transport will require changes in technologies, policies, regulatory framework, and the training of transport workers. Transport workers would need to have the knowledge, skills and experience to design and staff low or zero carbon transport services. In addition, gender equality would need to be further improved in the transport workforce to ensure greater sustainability and resiliency. This session is focused on the identification of policies that can support a just transition to low carbon transport in Asia and the Pacific.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Existing policies on building a just and inclusive transition to low carbon transport, Office of Transport and Traffic Policy and Planning (OTP), Ministry of Transport, Thailand (TBC)</i> • <i>Global standards for ensuring a just and inclusive transition to low carbon transport, Ms. Alejandra Cruz, International Labour Organization</i> • <i>International experiences on building a diverse and equitable transport workforce, Mr. Bruno Dobrusin, International Transport Workers Federation</i> • <i>Gender equality and accessibility to employment opportunities, Ms. Prabhjot Rehan Khan, Asian Development Bank</i> • <i>Training the transport workforce for the transition to low carbon transport, Bangkok Mass Transit Authority (BMTA) (TBC)</i> <p><i>Questions and Discussion</i></p>
Coffee Break (15 min)	

Session 2: Low Carbon Transport and the Shift to Electric Mobility	
<p>Time (75 min) 11:00 – 12:15</p>	<p>Collaboration between countries and among different stakeholder groups will be increasingly critical to the success of low and zero carbon transport. The United Nations ESCAP is also committed to develop a regional cooperation mechanism on low carbon mobility for Asia and the Pacific, as well as an Asia-Pacific Initiative on Electric Mobility to support the acceleration of the transition to electric-mobility for public transport in the region. This session is focused on the importance of regional collaboration and existing global, regional and sub-regional initiatives on electric mobility.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Linking regional dialogues to the global discourse on transport and climate change</i>, Ms. Kusum Lata, UNFCCC • <i>A global initiative on zero emission vehicles</i>, Ms. Naomi White, Zero Emission Vehicle Transition Council • <i>Sustainable Transport in ASEAN</i>, Mr. Beny Irzanto, ASEAN Secretariat • <i>Regional Cooperation Mechanism on Low Carbon Transport</i>, Ms. Wei-Shiuen Ng, ESCAP <p><i>Question and Discussion</i></p> <p>Intervention from ESCAP member States</p>
Lunch Break (60 min)	
Session 3: Global and Regional Experiences on Electrification of Public Transport	
<p>Time (60 min) 13:15 – 14:15</p>	<p>The electrification of public transport remains a key measure to accelerate the decarbonization of road transport in many ESCAP member States. This session examines priority policies in Asia and the Pacific, and global and regional experiences in the electrification of public transport and guidelines that can accelerate its adoption. Existing policies and operation models of electric public transport will also be discussed.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Electric mobility activities in Asia</i>, Mr. Alexander Koerner, UNEP • <i>Innovations in public transport</i>, International Association of Public Transport (UITP)

	<ul style="list-style-type: none"> • <i>Business models and contracting structures for electric buses - best practices and lessons learned, Mr. Gautam Patel, ESCAP Consultant</i> • <i>Financing the electrification transition in Asia and the Pacific, Mr. Shuji Kimura, Asian Development Bank</i> • <i>Asia Pacific Initiative on Electric Mobility, Ms. Fadiyah Achmadi, ESCAP</i> <p><i>Question and Discussion</i></p> <p>Intervention from ESCAP member States</p>
<i>Coffee Break (15 min)</i>	
Session 4: National Experiences on Electrification of Public Transport	
<p>Time (75 min) 14:30 – 15:45</p>	<p>The session presents some national experiences on the electrification of public transport in Asia and the Pacific. ESCAP member States are invited to intervene and share their challenges and policy priorities in accelerating the transition to electric mobility, particularly in public transport.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Planning and deployment of electric bus fleets in Indian cities, Prof. Shivanand Swami, CEPT University</i> • <i>New energy vehicles: Experience from China and Chinese cities, Mr. Yuan Minmin, Research Institute of Highway, China</i> • <i>Singapore’s policies and strategies on low carbon transport and electric mobility, Prof. Lynette Cheah, Singapore University of Technology and Design</i> • <i>Fuel cell electric vehicle (FCEV) for public transport in the Republic of Korea, Mr. Young In Kwon, Korea Transport Institute</i> <p><i>Question and Discussion</i></p>
Session 5: Wrap Up of Day 1	
<p>Time (15 min) 15:45 – 16:00</p>	<p>Key discussion points from Day 1 of the regional meeting will be presented.</p>

Day 2: Thursday, 11 August 2022

Joint Workshop on Electrification of Public Transport

Session 6: Policies and Operation Models of Electric Public Transport	
<p>Time (90 min) 9:00 – 10:30</p>	<p>This session will present and discuss various policy landscape and operation models of electric public transport. Countries and experts are also invited to share their national innovative policies on transition towards electric mobility.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Comparison of international EV policies and institutional arrangements, Mr. Gautam Patel, ESCAP Consultant</i> • <i>Asia-Pacific renewable energy outlook and Thailand's energy transition, Mr. Michael Williamson, Energy Division, ESCAP</i> • <i>Electrification of the BRT network in Indonesia, Mr. Yoga Adiwianto, Transjakarta</i> • <i>Development options for the development of electric public transport in the Russia Federation, Mr. Aleksandr Morozov, International Association of Public Electric Transport Enterprises</i> • <i>Electric mobility and shift to electrification of paratransit in Bangladesh, Mr. Md. Anisur Rahman, Road Transport and Highways Division, Ministry of Road Transport and Bridges, Bangladesh</i> • <i>Policies to support electric mobility in Georgia, Ms. Margalita Arabidze, Ministry of Economy and Sustainable Development, Georgia</i> <p><i>Question and Discussion</i></p>
Coffee Break (15 min)	
Session 7: Preparedness on Transition to Electric Mobility in Thailand	
<p>Time (90 min) 10:45 – 12:15</p>	<p>As part of the “Accelerating the Transition to Electric-mobility for Public Transport in Asia and the Pacific” project, ESCAP is working closely with Thailand to build its capacity to develop policies and strategies that will accelerate the electrification of its public transport vehicle fleets. This session is focused on the transition to electric mobility in public transport in Thailand and current trends and challenges.</p>

	<p>Speakers:</p> <ul style="list-style-type: none"> • <i>National vision, strategies and policies for electrification of transport in Thailand, Office of Transport and Traffic Policy and Planning (OTP), Ministry of Transport of Thailand</i> • <i>The current state of urban public transport in Bangkok and major cities in Thailand, Dr. Siradol Siridhara, Mahidol University, Thailand</i> • <i>Financing models for electrification of public transport in Bangkok, Mr. Pan Piyasil, GIZ</i> • <i>Development and operation of EV and charging infrastructure, Mr. Chantakorn Gridwitchayayarkarn, Committee Member, Electric Vehicle Association of Thailand (EVAT)</i> <p><i>Question and Discussion</i></p>
<i>Lunch Break (60 min)</i>	
Session 8: Polices and Strategies for Electrification of Public Transport	
<p>Time (90 min) 13:15 – 14:45</p>	<p>Policies and strategies for the electrification of public transport will be further discussed in this session. This session will multiple stakeholders, including government, private sector and academic representatives joining the discussion.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>Regulation and operation of public transport fleet and electric vehicle in Thailand, Department of Land Transport, Ministry of Transport of Thailand</i> • <i>Energy transition in Thailand, Ministry of Energy, Thailand / Metropolitan Electricity Authority (MEA)</i> • <i>Improving the quality of public transport through electric buses, Ms. Nguyen Quynh Trang, Ministry of Transport, Viet Nam</i> • <i>Best practices and lessons learned, Private sector representative</i> • <i>Emission reduction potential of electric mobility in Thailand, Dr. Yossapong Laonual, Associate Professor, King Mongkut's University of Technology Thonburi (KMUTT)</i> • <i>Electric mobility policies of the Republic of Korea, Dr. Kyuok Kim, Korea Transport Institute</i> <p><i>Question and Discussion</i></p>
<i>Coffee Break (15 min)</i>	
Discussion and the Way Forward	

<p>Time (60 min) 15:00 – 16:00</p>	<p>The Closing Session will identify the way forward for the Asia-Pacific region and contributions to relevant discussions on low carbon transport. Key priority actions required for ESCAP member States. ESCAP member States are invited to intervene and share their priority actions.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • <i>National and regional priorities, ESCAP member States</i> <ul style="list-style-type: none"> ○ <i>Lao PDR</i> ○ <i>Bhutan</i> ○ <i>Fiji</i> ○ <i>Solomon Islands</i> ○ <i>Nepal</i> <p><i>Question and Discussion</i></p> <ul style="list-style-type: none"> • <i>Closing remarks, ESCAP</i>
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