Regional Meeting on Just Transition to Low Carbon Mobility in Asia and the Pacific and Joint Workshop on Electrification of Public Transport

BANGKOK, 10 – 11 AUGUST 2022
Dependence of the sector on fossil fuels (84% of transport consumption in 2019)

Transport sector accounts for 19% of the total final energy consumption

Transport final consumption has doubled between 2000 and 2019 (70% by road transport)

Under BAU scenario, transport CO2 emissions in Asia will increase by 47% between 2015 and 2050*

*) ITF Transport Outlook 2021
Background

Rapid growth in population and economic development

Increase in travel demand → increase in CO2 emissions

Address sustainably by promoting public transport and electrifying it

Highest share by urban passenger transport

60% of urban passenger CO2 emissions in Asia emitted by private vehicles

Paris Declaration on Electro-Mobility and Climate Change & Call to Action

Changing transport emissions trajectory through an integrated electromobility ecosystem encompassing various transport modes
Background

Public transport as the backbone of cities to accelerate climate action

Accelerating development of electric public transport, utilizing renewable energy

High renewable energy mix of Asian countries to support electric mobility

Paris Agreement decarbonization target by 2050

High milage, regulated by government

Photo by Pandaily
Regional initiatives on EV transition

**UNESCAP Technical Cooperation Project**

“Accelerating the transition to electric-mobility for public transport in Asia and the Pacific”

- Pilot countries: Georgia, Laos, Nepal, Fiji, Thailand
- Review of current policies and opportunities
- National stakeholders’ consultation workshops - 2022

**Collaboration and partnerships**

- UNEP, GGGI, Research Institute of Highways (China)
- GIZ-SMMR Sustainable Mobility in Metropolitan Region in ASEAN project
- King Mongkut’s University of Technology Thonburi (Thailand)

**Regional EV initiatives**

- Regional policy guidelines and case studies
- Regional and Subregional Meetings on EV in 2022-23
- “Asia-Pacific Initiative on Electric Mobility”
Introduction of the initiative

Accelerating the Transition to Electric Mobility for Public Transport in Asia and the Pacific

Concept has been introduced at national workshops in Georgia, Nepal and Lao PDR
The need for Asia-Pacific Initiative on Electric Mobility

- Existing EV policies focus mainly on private vehicles
- Develop comprehensive policies and strategies with focus on public transport fleets and high-milage vehicles
- Challenges to electrify urban public transport
  - Opportunity to share experience and lessons
- Several Asian countries have successfully overcome and made progress in EVs
  - Opportunity for regional collaboration
- Transition to electro-mobility requires robust policy frameworks and stakeholders engagement
The need for Asia-Pacific Initiative on Electric Mobility

**Electric Vehicles Initiative**

The Electric Vehicles Initiative (EVI) is a multi-government policy forum dedicated to accelerating the introduction and adoption of electric vehicles.

**Global Electric Mobility Programme**

UNEP’s Global Electric Mobility Programme supports more than 50 low-and-middle-income countries with the shift from fossil fuel to electric vehicles.

Wider focus across the globe, incl. developed countries
The need for Asia-Pacific Initiative on Electric Mobility

- Future global vehicle growth intensifies existing challenges
- Majority of Asian cities still need to reform their public transport system
- A large variety and types of public transport modes, incl. paratransit
- Limited technical and financial resources
- Distinct cultural and social preferences

Asia-Pacific countries’ unique needs and issues

Photo by Mashable
Objectives of Asia-Pacific Initiative on Electric Mobility

- Support acceleration of transition to electric mobility in the region
- Enhance regional cooperation, provide opportunities for peer learning sharing of experiences
- Strengthen countries’ capacity to formulate national policies and strategies for transitioning towards electric mobility
- Enhance multi-sectoral collaboration
- Develop a knowledge base on electric mobility ecosystem
Benefits for participants

Connecting with other countries with similar challenges in promoting electric mobility focusing on public transport

Networking with EV industry to stay updated on latest EV developments

Opportunities to participate in technical training workshops and capacity building activities

Photo by iStock photo
Operation

Coordination: ESCAP, Transport Division

Participation open to stakeholders working in the areas of electric mobility

Regular meetings at regional, subregional and national levels

Collaborate with partners to organize multi-stakeholder meetings and consultations

Creation of webpage
We look forward to welcome you ...