



CONCEPT NOTE

Scaling Electric Mobility for a Sustainable Future

30 October, 09:00 – 16:45 (Skopje/Geneva)

[Link for online participation](#)

Background

The transport sector remains one of the largest contributors to greenhouse gas emissions and air pollution, while also being among the most challenging sectors to decarbonize. Electric mobility (e-mobility) offers a concrete pathway to move from goals to action by transforming ambitious climate and energy commitments into measurable progress on the ground. By electrifying vehicles and integrating them with clean power systems, e-mobility directly supports sustainable energy objectives and accelerates the energy transition.

E-mobility is not only about replacing combustion engines with electric vehicles; it is about creating smart, interconnected systems that link transport with renewable energy, digital innovation, and urban sustainability.

UN Regional Commissions (UNECE, ESCAP, ESCWA, and ECA) are working in different regions to build these bridges through policy guidance, regulatory harmonization, and sharing of good practices. From public e-bus pilots to renewable-powered EV growth and expanding opportunities in various cities, these actions are demonstrating how commitments can be translated into practical solutions.

This session highlights the role of e-mobility in powering the future with sustainable energy, showcasing both the technical and policy steps needed to scale up deployment, while ensuring inclusivity, affordability, and social equity.

Objectives

- **Demonstrate e-mobility as a driver of action** by showcasing real-world examples of EV deployment, charging infrastructure, and integration with renewable energy.

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- **Support policymakers and stakeholders** in designing and implementing coherent policies, investment models, and standards that accelerate e-mobility adoption.
- **Highlight cross-sectoral solutions** linking transport, energy, and digital systems, including smart grids, vehicle-to-grid (V2G) technologies, and data-driven planning tools.
- **Promote regional cooperation and peer learning** by drawing on experiences from different regions.
- **Ensure inclusivity and equity** in the e-mobility transition, addressing affordability, workforce reskilling, and access for all communities.

Target Group

The session is designed for a broad range of stakeholders who play a role in advancing the e-mobility transition and ensuring that it contributes meaningfully to sustainable energy goals. These include:

- Policymakers and government officials from ministries of energy, transport, environment, urban planning, and economic development, who are shaping national strategies and regulatory frameworks.
- Energy providers, utilities, and grid operators, alongside charging infrastructure developers and technology innovators, responsible for building and operating the backbone of e-mobility systems.
- City authorities and public transport operators, who are central to the deployment of e-mobility solutions at the urban level, including e-bus networks and shared mobility services.
- Private sector actors and financial institutions, including vehicle manufacturers, investors, and public-private partnerships that drive innovation and scale-up e-mobility.
- Academia and research institutions, providing data, tools, and analysis to inform evidence-based policymaking and technological advancement.
- Civil society organizations, community groups, and youth networks, ensuring that the transition to e-mobility is inclusive, affordable, and responsive to social and gender dimensions.





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Provisional Programme

Time

Session

Opening & welcome
Session 1: Strategic Cross-Regional Outlook

Moderator: **Dario Liguti**, Director, Sustainable Energy Division, UNECE

09:00 – 10:00

Panel discussion - regional snapshots:

- **Katrin Luger**, Chief, Transport Research and Policy Section, ESCAP
- **Nadejda Khamrakulova** & **Roel Janssens**, Economic Affairs Officers, UNECE
- **Sean Ratka**, Economic Affairs Officer, ESCWA
- **Yohannes Hailu**, Economic Affairs Officer, ECA

Session 2: Scaling up E-Mobility in the UNECE and ESCAP Regions

Moderator: **Nadejda Khamrakulova**, Economic Affairs Officer, UNECE

10:00 – 10:30

Speakers:

- **Katrin Luger**, Chief, Transport Research and Policy Section, ESCAP
- **Borna Culjak**, SEE E-Mobility Leader, PwC
- **Minwoo Ki**, Sustainable Energy Division, UNECE

Q&A

10:30 – 10:45

Coffee break

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Session 2: Scaling up E-Mobility in the UNECE and ESCAP Regions (continued)

*Moderator: **Roel Janssens**, Economic Affairs Officer, UNECE*

Case studies and country specific examples:

10:45 –12:00

- **Artan Leskoviku**, Director of RES, AKBN, Albania
- **Furugzod Usmonov**, Project Coordinator, Tajikistan
- **Shen Berkant**, General Manager, EVN Supply Macedonia
- **Yossapong Laonual**, Associate Professor, King Mongkut University of Technology Thonburi (online)
- **Ronald Cartagena**, Chief, City Planning and Development Office, Iloilo City, Philippines (online)

Q&A

12:00 – 14:00

Lunch break

Session 3: Driving Change in the African and Arab Regions: Priorities for E-Mobility

*Moderator: **Yohannes Hailu**, Economic Affairs Officer, ECA*

Speakers:

14:00 –15:15

- **John Sloan**, Economic Affairs Officer, ECA
- **Kabayo Muhau**, Co-Founder & President, Zambian Electric Mobility Innovation Alliance (ZEMIA)
- **Samer Zawaydeh**, Former President, Association of Energy Engineers; Lecturer, Al Hussein Technical University, Jordan

Q&A

15:15 – 15:45

Coffee break

Session 3: Driving Change in the African and Arab Regions: Priorities for E-Mobility (continued)

*Moderator: **Sean Ratka**, Economic Affairs Officer, ESCWA*

15:45 – 16:15

Case studies and country specific examples:

- **Nadjib Drouiche**, Director of Studies in the Cooperation and Studies Division of the Ministry of Relations with Parliament, Algeria (online)

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- **Nabil Mneimne**, Sustainable Transport Project Manager, UNDP Lebanon (online)
- **Fateh Belaid**, Principal Fellow, KAPSARC (online)
- **André de Palma**, Professor Emeritus of Economics, Cergy Paris University (online)

Q&A

Closing Session: Cross-Regional Dialogue among Speakers

Moderator: **Katrin Luger**, Chief, Transport Research and Policy Section, ESCAP

Key questions:

16:15–16:45

- Which common challenges do you see across regions when it comes to scaling up e-mobility?
- What actionable recommendations or best practices could accelerate the transition to electric mobility?
- How can energy, transport, and urban planning sectors work more closely together to support systemic change?

Summary of key insights and actionable recommendations

Mode of participation

The workshop will take place in a hybrid format (in-person and online).

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