Inter-regional workshop on electrification of mobility – Challenges
and opportunities for transport, energy and spatial planning

5 September 2022 10:15-12:00 and 15:00-18:00
Geneva, Palais des Nations, Room XXI

DRAFT PROGRAMME

10:15-10:45 – Introductory Session – Challenges and opportunities related to
the ongoing electrification of road vehicles including at urban level

Presentations by UNECE Sustainable Transport, Energy, Housing and Land
Management

Selected topics:

- Electrification outlook for urban mobility: trends in passenger and freight
  transport and its impact on traffic infrastructure
- Impacts of increased electrification of road vehicles on the electricity grid
- Spatial planning – opportunities and challenges from road vehicles
  electrification

10:45-12:00 – Session I – Road vehicle e-mobility solutions and their
interaction with the grid – good practice examples at city and regional levels

Selected topics:

- Examples of electrification of road based public transport at urban, suburban,
  and regional levels and its impact on environment, health, and quality of life.
- Creating conducive policies on accessibility to and affordability of charging at
  public Electric Vehicle Supply Equipment (EVSE) and its integration in the
  electricity grid.
- Examples of EV smart charging solutions in cities and regions (including
  wireless electric vehicle charging/ inductive charging; pop-up pavement
  chargers; innovative use of existing roadside infrastructure and “charging on
  the go”.
- Impact of increased e-mobility of road vehicles and its consequences for and
  interaction with the electricity grid.

12:00-15:00 – Lunch break
15:00-16:30 – Session II – Laying the regulatory/policy groundwork for achieving a swift transition to electrification of road vehicles at urban and regional levels

*Continuation of presentations from session I, as required.

**Selected topics:**

- Examples of sound regulatory frameworks surrounding e-mobility of road vehicles.
- Strategies, policies, and practices aimed at accelerating the transition to e-mobility in road transport.
- Policies and regulations enabling innovation for urban e-mobility in city infrastructure and public transport.

16:30-17:30 – Session III – E-mobility solutions and requirements for urban and long-distance road freight transport

**Selected topics:**

- Central freight consolidation centres as a possible gateway to urban and long-distance freight transport electrification.
- General trends and developments for commercial electrical vehicles (EVs) including eLight Duty Vehicles (eLDVs) and eHeavy Duty Vehicles (eHDVs) and their charging infrastructure.
- Improved data collection on EVs and Electric Vehicle Supply Equipment EVSE as a basis for evidence-based decision making.

17:30-18:00 – Follow-up and next steps

- Tour-de-Table based on section VII of document ECE/TRANS/WP.5/2022/2.

18:00 – End of workshop