



Roundtable on Electric Vehicle Charging Infrastructure Data Collection

9 November 2023, 14:00 – 16:00 CET | Online

Concept Note

Background

Transportation accounts for 22% of all energy-related greenhouse gas emissions. Consequently, decarbonizing this sector is vital for meeting the Paris Agreement's objectives and limit global temperature rises to 1.5°C. Electrifying vehicle fleets and shifting to less polluting modes of transport are key strategies for aligning the sector with a climate-neutral future and achieving the Sustainable Development Goals. Data from the Common Questionnaire show encouraging trends: in 2021, new registrations of electric passenger cars accounted for 9% of total new passenger car registrations in 33 UNECE countries with available data, up from 5% in 2020.

Countries across the ECE region are expected to make even stronger progress towards vehicle electrification in the coming years. Most member States have made pledges and commitments to transitioning to zero tailpipe emission in the near future. However, a potential barrier to mass adoption is “range anxiety”, where the lack of publicly accessible chargers (and their speed) is seen as a concern, particularly on ad-hoc or occasional journeys. This concern stems from the perceived scarcity of publicly accessible and fast-charging facilities. Therefore, understanding how various countries are progressing in the provision of public charging infrastructure is of public policy interest, which means that official statistics in this domain can provide significant added value. For meaningful international comparisons, standardized definitions and metrics are essential.

In light of this situation, in December 2022, the UNECE, in collaboration with Eurostat and the International Transport Forum, initiated a survey among its member States to collect information on existing statistics on the topic, including methodologies and definitions used regarding EV charging infrastructure. A substantial 66% of the countries surveyed indicated that they either already produce this data or have plans to do so. Based on this positive response, a more detailed questionnaire was distributed in June 2023. This questionnaire, decided upon during the 74th session of the UNECE Working Party on Transport Statistics, held from May 15-17, 2023, requested countries to provide specific data on their charging infrastructure based on categories established by the EU Alternative Fuel Infrastructure Regulation (AFIR).

Meeting objectives

The primary aim of the roundtable is to share and discuss the findings of the June 2023 questionnaire. This dialogue will enhance understanding of the current state of national-level EV charging infrastructure. Participants are encouraged to share their experiences and challenges faced in collecting this data. The insights gained will serve to refine international definitions, identify suitable indicators for consistent measurement, and explore the feasibility of incorporating such data into the Common Questionnaire.

Programme

14:00 – 14:05	Opening by Secretary
14:05 – 14:10	<i>Welcome address</i> , Mr. Francesco Dionori , Chief of Transport Networks & Logistics Section, UNECE
14:10 – 14:20	<i>Setting the scene</i> , Mr. John Wilkins , Chair of the Working Party on Transport Statistics
14:20 – 14:35	<i>Preliminary findings of 2023 EV Charging Infrastructure Questionnaire</i> , Ms. Fadiyah Achmadi , Secretary to the Working Party on Transport Statistics
14:35 – 14:50	<i>Incorporating EV charging infrastructure data into Common Questionnaire: opportunities and challenges</i> , Mr. Alain Gallais , Manager of Eurostat/ITF/UNECE Common Questionnaire for Inland Transport Statistics, European Commission
14:50 – 15:40	<i>Countries' experience in collecting EV charging infrastructure data</i> - Ms. Renáta Slabá , Czech Republic - Mr. Peter Ottosen , Denmark - Ms. Nele van der Wielen , Ireland - Ms. Judith Nijenhuis , Ms. Jacqueline van Beuningen , the Netherlands - Mr. Geir Martin Pilskog , Norway - Ms. Claire Baxter , Ms. Sydney Worm , Mr. Lewis Jerrom , United Kingdom
15:40 – 15:55	Q&A
15:55 – 16:00	<i>Closing remarks</i> , Mr. John Wilkins

Technical notes

- Microsoft Teams will be used as the e-Conference platform.
- The meeting will be conducted in **English**, and interpretation services will not be available.