UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE **ECE-E408**
TECHNICAL COOPERATION PROJECT FORM **Wei**

Project title: Promoting a better understanding of trends and developments surrounding Electrical Vehicles and their charging infrastructure through capacity building and the development of knowledge products

Expected timing/ duration: December 2022 – December 2023

Objective and summary of the project:

The objective of the project is to enhance knowledge of UNECE member States of trends and developments surrounding Electric Vehicles (EVs) and their charging infrastructure through capacity building and the development of knowledge products. The project has been designed in direct support of and is fully aligned with the following deliverables identified as part of the transport sub-programme proposed budget for 2023:

Seminars, workshops, and training events

"Workshops for government officials and other stakeholders in the ECE region and in contracting parties to legal instruments under the purview of the Inland Transport Committee on intelligent transport systems; transport statistics and trends; road, rail, inland water, intermodal and intersectoral transport issues; and vehicle agreements and regulations".

In relation to this deliverable, and as requested by the Working Party on Transport Trends and Economics (WP.5) at its 35th annual session in September 2022, in the course of 2023, a designated workshop on security aspects of Electrical Vehicle Charging Systems (EVCS), both in terms of cyber security threats, as well as in terms of physical security of users during the charging process will be held (para 48, ECE/TRANS/WP.5/72).

Publications

"A transport trends and economics" publication as included in the "2023 Publications Programme" (ECE/TRANS/2022/10).

In relation to this deliverable, WP.5 at its 35th annual session in September 2022, requested the secretariat to designate its Transport Trends and Economics 2022–2023 publication on general trends and developments surrounding Electric Vehicles and their charging infrastructure. WP.5 also requested the secretariat to make sure that such a publication would include case studies and best practice examples from across the ECE region and beyond. (para 60, ECE/TRANS/WP.5/72)

The objective of the project will be achieved by implementing the following activities:

A1.1. Organization of a 1-day workshop engaging representatives from Southeastern Europe, Eastern Europe, South Caucasus, and Central Asia, on security aspects of intelligent transport systems, including in relation to Electric Vehicle Charging Systems (EVCS), both in terms of cyber security threats, as well as in terms of physical security of users during the charging process.

A.2.1. Preparation of a Transport Trends and Economics publication on general trends and developments surrounding Electric Vehicles and their charging infrastructure including case studies and good practice examples from across the ECE region for representatives from Southeastern Europe, Eastern Europe, South Caucasus, and Central Asia and other ECE member States.

Expected results of the project:

EA1. Increased understanding of experts from Eastern Europe, Caucasus, Central Asia, and Southeastern Europe on cyber security threats related to Electrical Vehicle Charging Systems (EVCS) and physical security of users during the charging process.

EA2. Increased knowledge of experts from Eastern Europe, Caucasus, Central Asia, and Southeastern Europe on how to plan for e-mobility and develop policies conductive to EVs and their charging infrastructure leading to a further decarbonization of inland transport systems.

Target group and beneficiaries of the project:

Beneficiary countries are countries of Eastern Europe, Caucasus, Central Asia, and Southeastern Europe. The project targets transport experts from ministries of transport in charge of e-mobility policy development as well as other relevant stakeholders both public and private dealing with Electrical Vehicle fleet deployment and their charging infrastructure.

Justification of project and its relationship to the programme of work:

The project contributes to the objective of the Subprogramme 2 "Transport" "to advance a regionally and globally sustainable inland transport (road, rail, inland waterway and intermodality) system by making it safer, cleaner, more efficient and more affordable, both for freight transport and people's mobility" of the UNECE proposed programme budget for 2023.

Estimated UN regular budget resources (work months of RB staff/level of Staff):

1 month of RB/P3

Estimated extra budgetary resources:

Donor	Amount (US$)
The Netherlands	50,979

Project Manager:  Roel Janssens 24.11.2022	**Section/Division:** Transport Facilitation and Economics Section Sustainable Transport Division
Cleared by Programme Management Unit:  Nicolas Dath-Baron 24.11.2022	**Not submitted to EXCOM, in line with ECE Directive 18, as the activities are duly reflected as deliverables in the 2023 Proposed programme budget under subprogramme 2.**

Annex

Results-based budget for the extrabudgetary project

Expected Accomplishments	Planned activities	Estimated costs (US$)
EA1. Increased understanding of experts from Eastern Europe, Caucasus, Central Asia, and Southeastern Europe on cyber security threats related to Electrical Vehicle Charging Systems (EVCS) as well as physical security of users during the charging process.	A1.1. Organization of a 1-day workshop engaging representatives from Southeastern Europe, Eastern Europe, South Caucasus, and Central Asia, on security aspects of intelligent transport systems, including in relation to Electric Vehicle Charging Systems (EVCS), both in terms of cyber security threats, as well as in terms of physical security of users during the charging process. Contractual services (1 meeting, requiring rental of room and equipment, interpretation services) Travel of 10 experts x 1 mission x $1,200 Travel of 1 staff x 1 missions x $1,200	15,114 1,914 12,000 1,200
EA2. Increased knowledge of experts from Eastern Europe, Caucasus, Central Asia, and Southeastern Europe on how to plan for e-mobility and develop policies conductive to EVs and their charging infrastructure leading to a further decarbonization of inland transport systems.	A2.1. Preparation of a Transport Trends and Economics publication on general trends and developments surrounding Electric Vehicles and their charging infrastructure including case studies and good practice examples from across the ECE region for representatives from Southeastern Europe, Eastern Europe, South Caucasus, and Central Asia and other ECE member States. 2 international consultants x 1,5 months x $10,000	30,000 30,000
Budget summary		45,114
13% of Programme Support Costs		5,865
Total		50,979