

REGIONAL FORUM

ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION

29 – 30 MARCH 2023 | HYBRID EVENT | GENEVA & ONLINE



Peer Learning Round Table – Preliminary Outline

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



SDG 9: Industry, Innovation and Infrastructure

Part 1: Green, sustainable, and resilient infrastructure

Part 1 of the round table will take place on Thursday, 30 March 2023 from 10 a.m. to 11.30 a.m. and will be organized in a hybrid format both in presence at conference room XVII, Palais des Nations, Geneva and online, with interpretation into English, French, Russian and international sign language.

Background

Electricity and heat production account for 25 per cent of global greenhouse gas emissions (GHG), and industry contributes about 21 per cent. Transport makes up a further 14 per cent. All together emissions associated with infrastructure assets, including embodied carbon in new construction, make up for 60 per cent of GHG. Decarbonization of infrastructure has progressed over the past decade, but still has a long way to go to reach the goal of the Paris Agreement. In the transport sector, rising demand for motorized mobility has outweighed improvements in fuel efficiency, modal share, and electrification of the vehicle fleet. The roundtable will feature speakers from a variety of key sectors to present their perspectives, targets, and challenges in trying to achieve more resilient and greener transport and industry sectors through targeted mitigation and adaptation efforts, addressing investment gaps and encouraging quality infrastructure. Representatives of member States will also share their experience and suggestions for collective efforts in the journey of a net-zero transition in the region and beyond. Throughout the discussions, light will also be shed on several cross-cutting issues including related to quality, governance, and transparency aspects of infrastructure provisioning as well as its gender and social dimensions.

Guiding questions for round table

Question 1	What are the most effective actions that can be taken to reduce the carbon footprint during transport infrastructure construction?
Question 2	How can transport infrastructure be better adapted and more resilient to climate change impacts?
Question 3	What are the most effective mitigation measures that inland transport can take to reduce its greenhouse gas emissions and how does this impact on infrastructure requirements?

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Scenario

Opening and introductory remarks by the co-moderators (5 min.)	
5 min.	<ul style="list-style-type: none"> ○ Mr. Yuwei Li, Director, Sustainable Transport Division, United Nations Economic Commission for Europe ○ Mr. Frank Van Rompaey, Head, United Nations Industrial Development Organization, UNIDO Office in Geneva
Thematic Block 1: Actions to reduce the carbon footprint of large-scale infrastructure construction and ways to increase its resilience to climate change impacts	
25 min.	<ul style="list-style-type: none"> ○ Mr. Giulio De Carlo, Managing Partner of One Works company, Italy ○ Mr. Henning Sasse, CEO, Norm Cement, Azerbaijan ○ Ms. Teodora Popescu, Vice Chair, UNECE Group of Experts on Assessment of Climate Change Impacts and Adaptation for Inland Transport/ Directorate General for Infrastructure, Transport and Mobility, France
Guiding questions/ discussion with audience	
15 min.	<ul style="list-style-type: none"> ○ Which of the proposed actions do you consider best in reducing emissions during the infrastructure construction process? What more can be done? ○ How can transport networks be better adapted and become more resilient to climate change impacts and how can economically optimal resilience be achieved while maintaining high quality, social and transparency standards?
Thematic Block 2 – Transport infrastructure solutions aimed at achieving net-zero transport	
30 min.	<ul style="list-style-type: none"> ○ Mr. Antonio Erario, Chair, World Forum for Harmonization of Vehicle Regulations/ Ministry of Infrastructure and Transport, Italy ○ Ms. Nino Tandilashvili, Deputy Minister of Environmental Protection and Agriculture of Georgia ○ Ms. Clea Martinet, Vice President, Group Sustainability, Corporate Strategy & Business Development, Renault Group ○ Mr. Krzysztof Rodziewicz, Director, Transport Analysis Department, Centre for EU Transport Projects, Poland ○ Dr. Konstantinos Boulouchos, Founding Director of the Energy Science Center of ETH Zürich/ Member of European Academies, Science Advisory Council (EASAC)
Guiding Questions/ discussion with audience	
15 min.	<ul style="list-style-type: none"> ● Are we still facing a chicken and egg issue in the deployment of low carbon vehicles and charging/refueling station infrastructure? Is it of future benefit to be technology neutral today or should the pros and cons of each approach be considered in more detail?

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	<ul style="list-style-type: none">• How can infrastructure development, including in support of modal shift, play its part in promoting low carbon transport and boosting overall progress to achieving net zero?
	Wrap up of the Peer Learning Round Table