

COP28 PRESIDENCY LAND TRANSPORT ROUNDTABLE:

Achieving Systemic Transformation at the Required Speed and Scale

6 December 2023 | 13:00-14:30 | Al Saih Roundtable | [Webcast](#)

Organised by: COP28 Presidency | **Delivery Partner:** SLOCAT

Drastic reductions in transport emissions and improved access to integrated transport systems worldwide are urgently required to achieve decarbonised pathways. As the laggard among sectors, transport had the highest increase in global emissions. The sector has experienced the fastest growth in carbon dioxide (CO₂) emissions among combustion sectors, with global transport emissions rising 2% annually and 18% overall in the decade from 2010 to 2019. The single largest source of transport emissions continues to be passenger road transport (47%). Despite increasing electric mobility and global renewables uptake, the transport sector continues to depend heavily on fossil fuels. Fossil fuels continued to account for nearly all (96%) of energy used in transport in 2021 – a share that has barely changed over the past decade, due mainly to rising transport demand.

Wide-ranging challenges have put the already-elusive progress towards the SDGs and the Paris Agreement at increased risk. Although countries have made progress in developing long-term climate visions, current transport policies and measures are insufficient to put transport on a decarbonisation pathway in line with the Paris Agreement's goal of keeping global warming within 1.5°C. Without more ambitious policies towards structural and systemic transformation, transport emissions could grow as much as 50% by 2050. Achieving transport pathways that limit global warming to below 1.5 degrees Celsius (°C) will require a 59% reduction in global transport CO₂ emissions by 2050, compared to 2020 levels. Overall, the carbon intensity of the energy used in transport, and of the fuels consumed, needs to be halved by 2050, with the greatest cuts required in land transport.

At the same time, climate change greatly increases the vulnerability of populations as well as transport systems. Beyond the often heavy human toll, extreme weather events can also have severe impacts on transport-related infrastructure. More than a quarter of the world's road and rail assets are exposed to at least one cyclone, earthquake or flooding hazard annually. Ports are even more exposed to climatic events, with estimates indicating that 86% of ports globally are exposed to three or more hazards per year. Natural hazards contribute to huge financial losses, leading to an estimated USD 15 billion annually in direct damage to transport systems worldwide. Of this damage, an estimated USD 8 billion occurs in low- and middle-income countries, which experience the highest costs relative to their GDP. To address this reality, systemic transformations are urgently needed globally in how people and goods are transported. Collective, active and electrified transport is key for a more equitable, accessible, healthy, green, sustainable and resilient transport future.

13:00 - 13:05	Welcome <i>Ms. Alice Yiu, Director, Policy Outreach and Strategic Communications, SLOCAT</i>
13:05 - 13:40	Segment 1 - Systemic transformation of land transport - What does it take? Moderator: <i>Ms. Sheila Watson, Deputy Director, FIA Foundation</i> <i>Mr. Carlos Eduardo Enriquez Caicedo, Vice Minister of Transport, Colombia</i> <i>Mr. Ahmed Aboutaleb, Mayor of Rotterdam, The Netherlands</i> <i>Ms. Yasmina Basta, Just transition Coordinator, ITF Young Workers' Representative</i> <i>Ms. Fatimetou Boukhreiss, Coordinatrice du Projet Arendre, Région de Nouakchott, in Mauritania</i> <i>Mr. Ambroise Fayolle, Vice-President, European Investment Bank</i>
13:40 - 14:15	Segment 2 - Scaling up policy and financing for collective, active and electric mobility infrastructure Moderator: <i>Ms. Maruxa Cardama, Secretary General, SLOCAT</i> <i>Mr. Khaled AbdulRahman Al Awadhi, Director, Transportation Systems Department - Roads and Transport Authority</i> <i>Ms. Mahua Acharya - Former CEO, Convergence Energy Services Limited, Government of India</i> <i>Mr. François Davenne, Director General, International Union of Railways UIC</i> <i>Mr. Cristiano Façanha, Director Road Freight Electrification, Smart Freight Centre, Smart Freight Centre</i> <i>Ms. Nada Jasim, Director, Safety, Risk, Regulation and Planning Department, Roads and Transport Authority, Dubai</i> <i>Ms. Carolyn Mimano, Partnerships and Communications Manager, Institute for Transportation and Development Policy</i>
14:15 - 14:25	UAE COP28 Presidency remarks <i>Mr. Rahma Al Shamsi, Heavy Emitting Sectors Lead, COP28 UAE Presidency</i>
14:25 - 14:30	Closing



COP28 UAE