Agenda Item 6 – 32nd Session of the Committee of Sustainable Energy

Systemic efficiencies and digitalization in energy

14 September 2023
15h00 - 18h00 CEST (Geneva time)
Palais des Nations (TEMPUS)

About the Session

Objective: Present the Committee on Sustainable Energy with approaches and perspectives on accelerating the deployment of energy efficiency measures across buildings, industry, transport, and other end use sectors while embracing the transformative role of digitalization in optimizing energy systems and improving their operational efficiency.

Context: Systemic energy efficiency drives down energy produced and consumed, while meeting economic and societal needs. To seize optimization opportunities throughout value chains and manage the increasing complexity of the energy sector due to growing decentralized intermittent generation, the influx of electric vehicles, and other smart assets at the grid edge, a sector-wide digitalization is required.

To achieve energy system resilience in the UNECE region, due consideration shall be given to maximizing the implementation of systemic energy efficiency solutions to drive down energy produced and consumed while meeting economic, societal, and environmental needs.
The meeting will focus on relevant activities implemented by ECE in its member States and will feature a discussion on regional cooperation in the energy efficiency area of work in light of the cross-sectoral and multi-disciplinary approach.

This segment will also provide an update on the United Nations Economic Commission for Europe High-Performance Buildings Initiative (HPBI), which deals with the achievement by the built environment of high performance standards in terms of energy and resources use, a key action towards meeting the sustainability challenge.

15h00 - 15h15: **UNECE High Performance Buildings Initiative: Report on 2022 Activities and the Way Forward**

Igor Litvinyuk

Programme Officer, Energy Efficiency and Cleaner Electricity Systems, Sustainable Energy Division, UNECE

15h15 - 17h15: **Systemic Efficiencies and Digitalization in Energy**

15h15 - 16h15: **Panel I: Systemic efficiencies**

Moderator: **Stefan M. Buettner,** Chair, Group of Experts on Energy Efficiency

Insight from the country: the case of the Republic of Moldova
Carolina Novac
State Secretary, Ministry of Energy, Republic of Moldova

Net-zero technology innovations for decarbonization
Maher Chebbo
Managing Director Europe, Envision Digital

Overview of energy storage options
Lars Jacobsson
CEO, TEXEL Energy Storage

16h15 - 17h15: **Panel II: Digitalization in Energy**

Moderator: **Andrei Covatariu,** Co-Chair, UNECE Task Force on Digitalization in Energy

Insight from the country: the case of Tajikistan
Farhod Bilolzoda
Chairman of the Board, Innovation and Industry Development Fund, Tajikistan

Energy policy in the age of artificial intelligence
Fabian Heymann
Digital Innovation Specialist, Swiss Federal Office of Energy

Financing energy transition and digitalization
Andreea Laplace
Director, Strategic Financing and Venture Business Development, Eaton

Digitalization in the Arab energy sector – the role of Blockchain
Sean Ratka
Economic Affairs Officer, Sustainable Energy, UN ESCWA

17h15 - 17h30: **Discussion & Next Steps**

Interventions by member states and a wider multi-stakeholder community
Based on the discussion and documents: ECE/ENERGY/2023/13 and CSE.32/2023/INF.3.

17h30 - 17h40:   Follow-up on the 70th session of the Economic Commission for Europe

Dario Liguti, Director, Sustainable Energy Division, UNECE

17h40 - 18h00:   Day 2 Afternoon Session - Conclusions and Recommendations