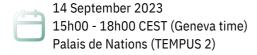
SUSTAINABLE ENERGY WEEK 2023 BUILDING RESILIENT ENERGY SYSTEMS





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

Systemic efficiencies and digitalization in energy



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.



UNECE High Performance Buildings Initiative: Report on 2022 Activities and the Way Forward

Moderator

Dario Liguti,

Director, Sustainable Energy Division, UNECE

[GlobalABC]

Jonathan Duwyn

Programme Officer, Buildings and Construction Acting Head, GlobalABC Secretariat

[Buildings Breakthrough]

[TBC]

[representative of a Buildings Breakthrough country]

[High Performance Buildings Initiative: the way forward]

Igor Litvinyuk

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

Systemic Efficiencies and Digitalization in Energy

Keynote Address: Stefan M. Buettner, Chair, Group of Experts on Energy Efficiency

Panel I: Systemic efficiencies

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

<u>Insight from the country: the case of the Republic of Moldova</u>

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

Panel II: Digitalization in Energy

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



Insight from the country: the case of Tajikistan

Farhod Bilolzoda

Chairman of the Board, Innovation and Industry Development Fund, Tajikistan

[...]

Fabian Heymann [TBC]

Digital Innovation Specialist, Swiss Federal Office of Energy

Financing energy transition and digitalization

Andreea Laplace

Director, Strategic Financing and Venture Business Development, Eaton

<u>Digitalization in the Arab energy sector – the role of Blockchain</u>

Sean Ratka

Economic Affairs Officer, Sustainable Energy, UN ESCWA

Discussion & Next Steps

Interventions by member States and stakeholders

Adoption of the Conclusions and Recommendations