

# SUSTAINABLE ENERGY WEEK 2023

## BUILDING RESILIENT ENERGY SYSTEMS

11-15 SEPTEMBER 2023 | PALAIS DES NATIONS | GENEVA



## 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 de Nations (TEMPUS 2)

### 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

#### ***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

### 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

**Digitalization in the Arab energy sector – the role of Blockchain**

**Sean Ratka**

Economic Affairs Officer, Sustainable Energy, UN ESCWA

**Discussion & Next Steps**

Interventions by member States and stakeholders

**Adoption of the Conclusions and Recommendations**