



Enabling systemic energy efficiency improvements and accelerating implementation of the 2030 Agenda through energy system digitalization

virtual side event, 3 May 2023, 14:30–15:45 CEST



Background

Achieving higher level of energy efficiency – in production, transmission, distribution, and consumption of energy as much as it proves operationally, technically, and economically feasible – must be fundamental for a broader energy strategy. In this context, attention should also be turned to digital technologies that offer an array of opportunities benefitting energy consumers, prosumers, suppliers, grid managers and the energy system as a whole: improved efficiency, cost savings, better reliability, and ultimately energy security.

However, digitalization of the energy system is a complex process with multiple interdependencies, which poses considerable challenges for management of potential economic, social, or environmental issues. These require robust preventive and corrective measures, including raising awareness of actors in a digitalized energy system.

Objective

The side event will take a system-level perspective to explore the role of digitalization in helping to unlock sectoral opportunities ‘from source to use’, along with side-effects and related challenges of digitalization in energy.

Tentative timeline (all times CEST)

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| 14:30-14:35 | Welcome and housekeeping | |
| 14:35-14:45 | Opening and scene-setting <i>#digitalizationinenergy</i> | Andrei Covatariu Co-Chair, Task Force on Digitalization in Energy, UNECE |
| 14:45-15:15 | Expert discussion <i>#dataanalytics</i> <i>#cybersecurity</i> <i>#demandsidemanagement</i> <i>#connectivity</i> <i>#internetofthings</i> | Elizabeth Massey Co-Chair, Task Force on Digitalization in Energy, UNECE Sylvain Clermont Bureau member, Group of Experts on Cleaner Electricity Systems, UNECE Sean Ratka Economic Affairs Officer, UN ESCWA |
| 15:15-15:30 | Interaction with audience | |
| 15:30-15:40 | Wrap-up and concluding remarks | Stefan Buettner Chair, UNECE Group of Experts on Energy Efficiency |
| 15:40-15:45 | The way forward | |
| 15:45 | <i>Ends</i> | |

Focal point

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