

Concept note

**10th International Forum on Energy for Sustainable Development (IFESD),
7-8 October 2019, UN Conference Centre, Bangkok, Thailand
From Targets to Action**

Workshop on Energy Efficiency in Buildings

in the framework of
the sixth session of the UNECE Group of Experts on Energy Efficiency (GEEE)

**15:30-17:15, Monday 7 October 2019
Venue: UN Conference Centre**



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Rationale and Background:

High performance buildings are central to meeting the sustainability challenge and are key to achieving the 2030 Agenda for Sustainable Development, as they help to deliver on many of the Sustainable Development Goals by:

- promoting sustainable urban development (by recognizing buildings as complex systems embedded in community, city, and country-level energy networks);
- tackling poverty (by reducing energy bills), and;
- supporting climate action (by reducing the energy requirements of buildings to a point at which residual needs can be met by no or low-carbon energy sources).

Moreover, high performance buildings accelerate transformation of energy systems by improving the efficiency, with which energy services are provided. Acknowledging that in developed countries buildings consume over 70% of electricity and 40% of primary energy and are responsible for 40% of CO₂ emissions from fuel combustion, that 75-90% of today's buildings are expected to remain in use in 2050, and that in developing economies the sector will grow stemming from necessity to accommodate 2.4 billion new urban residents by 2050, the buildings' energy performance must be managed. And capability to do so is in place.

In 2015, the Joint Task Force on Energy Efficiency Standards in Buildings was established. The Framework Guidelines on Energy Efficiency Standards in Buildings (2017) have set in motion the process of setting up international centres of excellence and a consortium of educational and research institutions to promote and implement the programme known as the High Performance Buildings Initiative (HPBI), as well as to disseminate and deploy Framework Guidelines worldwide – with the aim of accelerating transformation of the world’s building stock. The focus of HPBI is on capacity development and impact in the field, developing the intellectual, material and financial resources to educate, advocate and advise for transformation to high performance buildings, and the outreach required to create a shift to truly sustainable buildings.

A number of projects have been implemented in support of activities of the Joint Task Force. It has completed its comparative study “Mapping of Energy Efficiency Standards and Technologies in Buildings in the UNECE Region” (2018) and study “Mapping of Existing Technologies to Enhance Energy Efficiency in Buildings in the UNECE Region” (2019). The Joint Task Force has developed “Compendium of best practices on standards and technologies for energy efficiency in buildings in the UNECE region” (2019) and conducted a training programme on high-performance energy efficiency standards in buildings for building sector practitioners, policy makers and trainers.

This session will provide participants with an overview of the status of the work of the Joint Task Force on Energy Efficiency Standards in Buildings, and will invite participants to discuss the activities, to review the accomplishments of the Joint Task Force and to recommend ways for further implementation of its tasks.

The workshop is open to all participants. Target group includes architects, engineers, building contractors and energy service companies, housing and energy efficiency policy makers at the municipal, regional, and national levels, researchers and trainers in the field of energy efficiency of buildings, civil society and other experts in the area.

Tentative Agenda:

Time	Content	Speakers
15:30-15:35	Opening of the session	Ms. Natalia Jamburia Head of Energy Efficiency Policy Division, Energy Policy Department, Ministry of Economy and Sustainable Development of Georgia; Vice-Chair, GEEE
15:35-15:40	Outcomes of the UNECE project on Energy Efficiency Standards in Buildings	Mr. Oleg Dziubinski Regional Adviser, Sustainable Energy Division, UNECE
15:40-15:55	Mapping of existing technologies to enhance energy efficiency in buildings: main findings Compendium of best practices on standards and technologies for energy efficiency in buildings	Mr. Vitaly Bekker Independent Expert Mr. Andrey Dodonov Independent Expert

15:55-16:05	Forging regional pathways to zero-emission, efficient, and resilient buildings: GlobalABC regional roadmaps	Mr. Mark Radka The Global Alliance for Buildings and Construction
16:05-16:15	Role of digitalisation in energy transition of buildings	Ms. Alisa Freyre Projects Manager, Energy Transition, Services Industriels de Genève (SIG), Switzerland
16:15-16:25	Digitalising building: improving policymaking to achieving policy objectives	Mr. Piyush Verma Senior Energy Market Analyst, International Energy Research Centre, Ireland
16:25-17:10	<p>Panel discussion</p> <p>The role of behavioral barriers in achieving energy efficiency targets</p> <ul style="list-style-type: none"> - What are behavior barriers and how they impact energy efficiency policy measures? - What is the method to analyse these? - How countries can benefit from this and be better equipped to develop policies that can mitigate / bypass the barriers 	<p>Presentation:</p> <p>Ms. Kankana Dubey Senior Researcher, Centre for Energy policy, University of Strathclyde, United Kingdom</p> <p>Panellists:</p> <p>Mr. Maksat Amiraev Head of Department of Development and Monitoring of Housing and Communal Services, State Agency on Architecture, Construction and Housing and Communal Services, Kyrgyzstan</p> <p>Mr. Marko Čanović General Director for Housing Development, Ministry of Sustainable Development and Tourism, Montenegro</p> <p>Mr. Kostiantyn Gura Vice-Chair, GEEE</p> <p>Mr. Mohamed Zied Gannar Energy Section, Sustainable Development Policies Division, ESCWA</p> <p>Mr. Vahram Jalalyan Project Manager, UNDP Armenia</p> <p>Ms. Alisa Freyre Projects Manager, Energy Transition, SIG, Switzerland</p>
17:10-17:15	Wrap-Up and Conclusions	Mr. Scott Foster Director, Sustainable Energy Division, UNECE