Promoting EE in buildings in the ECE region

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Challenges: impact of the building sector

**ENVIRONMENT**
- 40% of global total energy consumption
- 40% of global GHG emissions
- 30% of global resource consumption
- 60% of global electricity use

**ECONOMY**
- 10% of global GDP
- 111 million people employed

**SOCIETY**
- over 40% of family income on housing
- 100 million people are housing cost overburdened

Statistics on performance of buildings

HOUSING AND LAND MANAGEMENT
Main advantages to EE in the housing sector

**Environmental benefits:** help to mitigate global climate change

**Energy availability and security:** frees up more energy for alternative uses and to meet growing demands

**Social effects:** improve health and comfort and make energy more affordable

**Regeneration of the built environment:** improves indoor comfort and lengthen property repair cycles

**Financial benefits:** savings for tenants and less loss in energy delivery for service providers
Activities: HLM steps towards EE in buildings

Framework guidelines for EE standards in buildings

Capacity building – regional, national and local workshops
Activities: on Energy Efficiency Standards in Buildings Project

 Cooperation: Committee on Housing and Land Management and Committee on Sustainable Energy and Working Party 6

2014
Proposal to work on standards for EE in buildings accepted by the Committee on Housing and Land Management

2015
Survey on building standards and regulations
Expert Consultation on EE standards in buildings

2016
Establishment of a UNECE Joint Task Force on EE Standards in Buildings

2017
Endorsement Framework Guidelines
1st Meeting of the Joint Task Force

2018
4 outputs to deliver & fundraising for the next phase
Joint Task Force on EE Standards in Buildings - 2017-2018

Activities

1. Studies:
   • Mapping EE standards for buildings and preparing gap analyses
   • Mapping of existing technologies
   • Compendium of best practices
2. Establish a database of experts
3. Develop training material and organize training programmes
4. Global research consortium
5. International Centers of Excellence on the Framework Guidelines

Scheduled Meetings

1st meeting of the JTF – October 2017, Geneva
2nd meeting of the JTF and validation workshop – 14-15 May 2018, Yerevan, Armenia
3rd meeting of the JTF and validation workshop – 3 October 2018, Geneva (back-to-back with the CHLM)
4th meeting of the JTF – November 2018, Kiev, Ukraine (back-to-back with the 8th Energy Forum)
Thank you!

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