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Joint Task Force on Energy Efficiency Standards in Buildings. Current Status and Next Steps

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Environmental impact of buildings



In the developed world, buildings are responsible for:

- consuming over **70%** of the **electrical power generated**
- consuming **40%** of **primary energy**
- **40%** of **CO₂ emissions** from combustion



Environmental impact of buildings

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- Developing countries will need to accommodate **2.4 billion** new urban residents by 2050

Joint Task Force on Energy Efficiency Standards in Buildings

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- Committee on Sustainable Energy and the Committee on Housing and Land Management
- Sustainable Development Goals – SDG7 (and others)
- Sustainable Energy for All Initiative
- Geneva UN Charter on Sustainable Housing
- Framework Guidelines on Energy Efficiency Standards in Buildings

Joint Task Force on Energy Efficiency Standards in Buildings: Tasks

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- Mapping energy efficiency standards in buildings and preparing gap analyses
- Evaluating options for the development, adoption or promotion of energy efficiency standards in buildings
- Preparing guidance materials
- Promoting partnerships with other international organizations
- Establishing a network of experts on EE in buildings
- Developing and organizing training programmes

Activities supported in 2017-2018 by funding from Denmark, Russian Federation and Black Sea Economic Cooperation Organization (BSEC)



Joint Task Force on Energy Efficiency Standards in Buildings: Completed Activities

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- ✓ JTF established by the decisions of UNECE CSE and CHLM, November-December 2015 and extended for 2018-19 in November 2017
- ✓ First meeting of JTF, 30-31 October 2017, Geneva
- ✓ Workshop to discuss and validate the results of mapping of energy efficiency standards in buildings in the UNECE region – second meeting of JTF, 14-15 May 2018, Yerevan
- ✓ Training seminar on high-performance energy efficiency standards in buildings in the UNECE region, 5-7 September 2018, Saint Petersburg
- ✓ Workshop to discuss preliminary results of mapping of technologies – third meeting of JTF, 3 October 2018, Geneva (back-to-back with the 79th session of the Committee on Housing and Land Management, 4-5 October)
- ✓ Workshop on energy efficiency in buildings – fourth meeting of JTF, 13-14 November 2018, Kiev (in the framework of the Ninth International Forum on Energy for Sustainable Development, 12-15 November 2018)

Joint Task Force on Energy Efficiency Standards in Buildings: Current and Upcoming Activities

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- ✓ Mapping of energy efficiency standards in buildings in the UNECE region: <http://www.unece.org/energywelcome/areas-of-work/energy-efficiency/activities/energy-efficiency-in-buildings.html>
- ✓ Mapping of existing technologies to enhance energy efficiency in buildings in the UNECE region – first draft open for comments: <http://www.unece.org/energywelcome/areas-of-work/energy-efficiency/activities/energy-efficiency-in-buildings.html>
- ✓ Development of best practices for existing standards and technologies – to start soon
- ✓ Online database of experts on energy efficiency in buildings – in progress
- ✓ Development of project proposals to continue activities that support objectives of JTF based on the accomplishments so far



Thank you!

