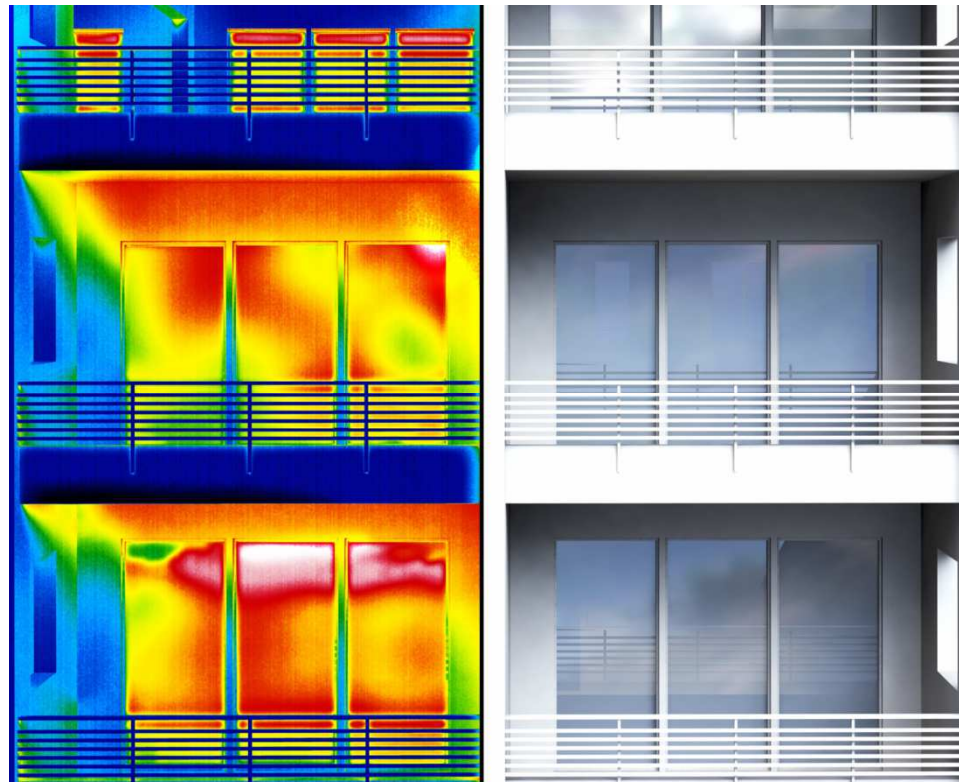


UNECE Action Plan for Energy-efficient Housing in the Region



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UNITED NATIONS
ECONOMIC COMMISSION FOR EUROPE

Buildings

60% of global electricity use

40% of global total energy consumption

24% of global CO₂ emissions

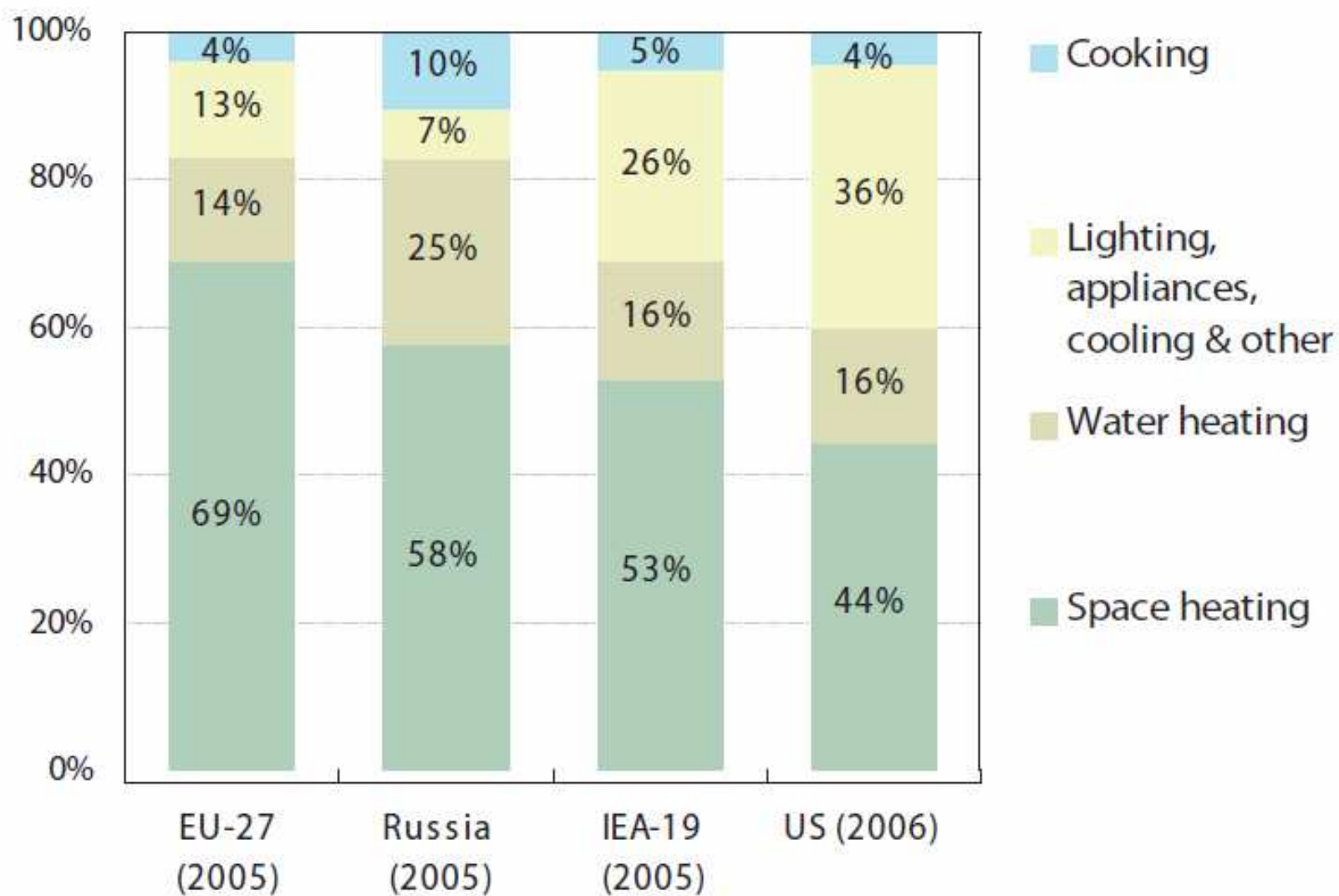
10% of global GDP

5-10% of national employment

Lock-in Effect



Household Energy Consumption by End-use



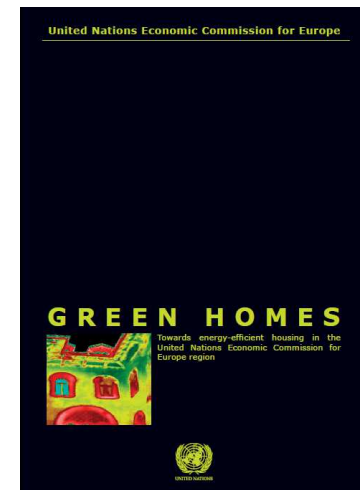
Energy-efficient Housing in the UNECE Region

Workshop in Sofia 21-22 April 2009

- Assess current state of affairs in EE in housing in UNECE region
- Identify challenges and opportunities
- Clarify necessary policy measures
- Identify priority actions

Green Homes September 2009

- Presents key benefits, challenges and prospects
- Outlines necessary institutional changes
- Provides set of recommendations for governments



Energy-efficient Housing in the UNECE Region

International Forum in Vienna

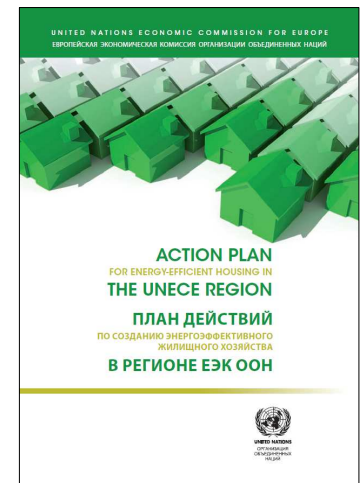
23-25 November 2009

- Review first draft Action Plan
- Feedback by ministers and partner organizations
- Endorse draft Action Plan and provide recommendations

Action Plan

September 2010

- 12 Policy goals to accelerate transition
- Broad application of existing technical solutions
- Remove barriers of implementation
- Policy reforms in the areas of governance, financial infrastructure and technological upgrades



Energy-efficient Housing in the UNECE Region

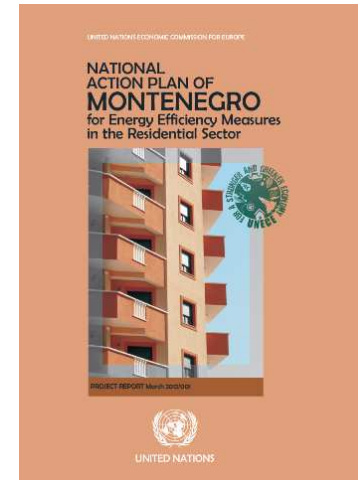
Actions include

- Introduce framework laws supporting institutional changes
- Develop system of subsidies, tax incentives and tax on energy inefficiencies
- Develop institutional capacities for housing management
- Introduce energy certification for all residential buildings
- Develop on-site renewable energy generation
- Develop retrofitting programmes for public housing

Supporting Implementation of the Action Plan

Montenegro National Action Plan

- First spin-off of UNECE Action Plan
- Assesses legal and institutional framework
- Identifies priority areas for action
- Focuses on informal settlements



Training Workshops in UNECE Subregions

- Present Action Plan
- Discuss regional challenges and opportunities
- Advise on national application of Action Plan

Training Events in UNECE Region

Third International Sustainable Energy Forum *Issyk Kul Lake, Kyrgyzstan*

- Energy Efficiency in Buildings Regional Training Workshop
- 12 -14 September 2012

Affordable and energy-efficient housing *Bishkek, Kyrgyzstan*

- UNECE / UN-Habitat national training workshop
- 29 October-2 November 2012

Affordable and energy-efficient housing *Yerevan, Armenia*

- UNECE/UN-Habitat national training workshop
- 20 -23 November 2012

National Round Table on energy-efficient housing *Moscow, Russia*

- December 2012

Towards energy-efficient homes in South Eastern Europe *Tirana, Albania*

- Dates TBC

Casebook on Energy-efficient Housing Practices

Objective

- Underline viability of energy-efficient housing
- Trigger interest and increase acceptability of national stakeholders
- Create demand for energy-efficient homes

Idea

- Identify projects, programmes, policies which work well
- Present examples for replication in economic transition countries



Thank you for your attention

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www.unece.org/hlm/welcome



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