



# Energy efficiency for sustainable housing in the ECE region: the work of UNECE Housing and Land Management Section

**Amie Figueiredo**

Housing and Land Management Section

Forest, Land and Housing Division

United Nation Economic Commission for Europe (UNECE)





# UNECE Committee on Housing and Land Management (CHLM)

## Role of the Committee

- Acting as a **platform** for inter-governmental dialogue
- Serving as a **forum** for the exchange of information, experience and best practices
- Assisting with **policy formulation and implementation**:
  - in-depth assessments
  - policy guidance and recommendations
  - advisory services and capacity-building activities





# HLM steps towards energy efficiency in buildings

2009



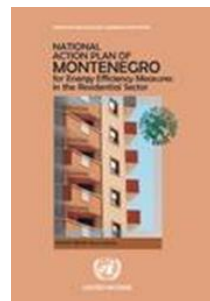
Green Homes

2010

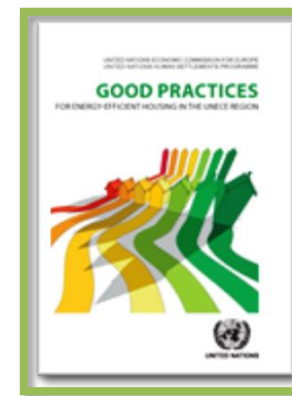


UNECE Action Plan

2011



National Action Plan



Informal network of partners and experts

Regional workshops  
Minsk (2011) Tbilisi (2013)

National workshops





# Recommendations on energy efficiency

Legislative framework

Building management

Financial mechanisms

- Political will and commitment
- Public awareness about energy consumption
- Residents control over their energy bills
- Renovation targets
- Alternative to building renovation
- Costs of energy efficiency
- Bankable investments
- Managing buildings
- Support measures at the transition period





# HLM integrated approach



- Design a legislative framework
- Create management structures in multi-family housing blocks
- Raise awareness on energy efficiency benefits and prospects
- Conduct building assessments
- Develop and provide access to financial instruments





# UNECE work on energy efficient housing – Capacity-building

## 1. Workshops on energy efficient and affordable housing in:

- Albania (July 2014)
- Tunisia (5th International Forum on Energy)

## 2. Annual workshops and national action plans, 2014-2016 as a part of the UNECE - UN-Habitat UNDA project

- Armenia
- Tajikistan
- Serbia
- Republic of Moldova



## 3. Exhibition “Greener and smarter homes: energy efficiency in buildings”

Geneva, 15 September – 10 October 2014





# History of cooperation with the UNECE Committee on Sustainable Energy

1. Input by the Committee's secretariat into the preparation of the UNECE Regional Action Plan for Energy Efficient Housing and Good Practices in Energy Efficiency in Housing in the UNECE region
2. Organization of workshops on energy efficient housing as a part of the Fourth (Tbilisi, 2013) and Fifth (Hammamet, Tunisia, 2014) Energy Forums
3. Presentations by Committee on Housing at the Global Energy Efficiency 21 Expert Meetings and by the Committee on Sustainable Energy at the Committee on Housing sessions.
4. Participation of the Energy Division Regional Advisor at the Housing UNDA project meeting in Armenia

**Need in joint programming and planning cooperation work to ensure this work is not ad hoc but is part of a long-term planning**





# UNECE work on energy efficient housing – Standards for energy efficiency in buildings

1. Proposal for developing a study on standards for EE in buildings (ECE/HBP/2014/4) - accepted in October 2014

2. Establishment of a UNECE Task Force on building codes and standards on energy efficiency in buildings, building materials and energy performance requirements.

3. Identification of other possible standards for sustainable buildings (ex. resilience to natural disasters and other construction codes to support healthy and barrier-free housing)







# UNECE work on energy efficient housing Standards for energy efficiency in buildings

- The Task Group is open to other partner organizations, UNECE divisions and experts
- Current partners are Royal Institution of Chartered Surveyors – RICS, the World Bank, the WHO. Invitations to other organizations (UNEP, ISO, UN-Habitat, other) will be sent in December 2014 after the Committee Bureau meeting.
- The kick-off meeting is planned for 20-21 April 2015 in Geneva





# Proposals to the draft Work Plan of the Group of Experts on Energy Efficiency for 2014 - 2015

## To item (A) Identification of the state of development of energy efficiency

**At the end of “Description”** to add: *This work will be conducted in the cooperation with the activities of the UNECE Committee on Housing and Land Management, including the UNECE Regional Action Plan for Energy Efficient Housing; publications Good Practices in Energy Efficiency in Housing in the UNECE region, Green Homes and others.”*





# Proposals to the draft Work Plan of the Group of Experts on Energy Efficiency for 2014-2015

## Proposals to the additions to the Work Plan items (B) Exchange of know-how and best practices in ECE

- In the “**Description**” to add: *“This work will be conducted collaboratively with ... the UNECE Committee on Housing and Land Management ...,”*
- In “**Work to be undertaken**” at the end of the second bullet point add: *“Use among others for the development of the matrix the publication Good Practices in Energy Efficiency in Housing in the UNECE region, which contains a comprehensive list of best practices in energy efficiency for buildings.”*
- In “**Work to be undertaken**” at the end of the third bullet point which starts with “Identify and disseminate best practices”, please add: *“Cooperate with the Committee on Housing and Land Management on Building Codes and Standards on Energy Efficiency through the participation in its interagency Task Group on Building Codes and Standards.”*





# Thank you

[amie.figueiredo@unece.org](mailto:amie.figueiredo@unece.org)

Housing and Land Management Unit  
Economic Cooperation, Trade and Sustainable Land  
Management Division  
United Nation Economic Commission for Europe (UNECE)

<http://www.unece.org/hlm/welcome.html>

