



18 October 2016  
Baku



UNECE

United Nations Economic  
Commission for Europe

# 7th International Forum on Energy for Sustainable Development

## Results of the EU/UNDP Project 'Developing an Integrated Approach to a Stepped-Up Energy Saving Programme'

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# Project objective

- ▶ **The overall objective of the project** – to enhance efficient use of energy resources at the local level in Belarus through application of energy-saving technologies and measures in educational buildings (kindergartens, schools, boarding schools, vocational-technical schools).
- ▶ **Project period:** 2013-2017.
- ▶ **Project budget:** 2 mln. Euro, including 1,16 mln. Euro of grant financing for the implementation of pilot initiatives.
- ▶ **Pilot regions** – Vitebsk, Grodno, Minsk.

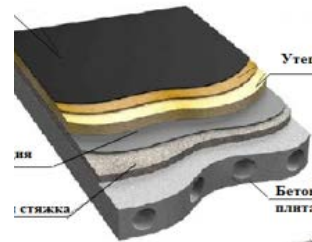
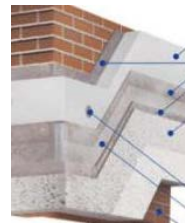


# Project components

- ▶ **Component 1:** Public awareness and training in energy efficiency for local stakeholders in target districts.
- ▶ **Component 2:** Energy efficiency pilot projects implemented via a competitive grants scheme.
- ▶ **Component 3:** The use of an area-based development (ABD) approach within the framework of sustainable energy management at the local level.

# Project activities

- ▶ Thermal insulation of walls and roof.



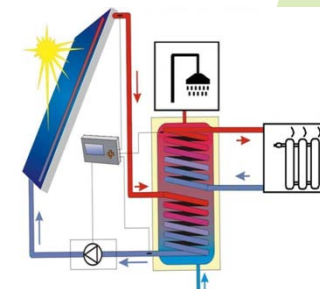
- ▶ Installation of new energy efficient windows.
- ▶ Installation of energy-efficient light bulbs.



- ▶ Installation of ventilation system with heat recovery.



- ▶ Installation of solar thermal collectors.



# Competitive selection of pilot sites

- ▶ Selection criteria
  - Age – over 20 years
  - Maximum reduction of energy consumption
  - Availability of co-financing (not less than 40%)
- ▶ List of educational establishments (total – 55)
- ▶ Conduction of energy audits (total – 27)
- ▶ Writing and submission of applications (total – 33)
- ▶ Selection of pilot educational establishments

# Expected results of the energy efficiency raising activities

Object	Heat	Electric power	CO <sub>2</sub> emissions
College, Vitebsk	-80%	-20%	-208 tonnes
School, Dzerzhinsk	-79%	-51%	-198 tonnes
Kindergarten, Grodno	-76%	-54%	-102 tonnes
Kindergarten, Oshmiany	-73%	-52%	-111 tonnes



# What is done

1. A range of workshops for group of teachers (27 people) held on the teaching of energy efficiency issues in extracurricular activities;
2. Energy audits conducted;
3. Target financing of pilot projects and their actual implementation;
4. Public advisory boards on energy efficiency at the local level are created and operate;
5. Information campaign (quarterly newsletter, thematic website of the Project, thematic publications, articles in the local media, etc.);
6. Monitoring of project implementation;
7. Dissemination of the project results.



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**Thank you for your  
attention!**

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