



# Energy efficiency measures in housing

**Estonia**

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# Why it is important

- **In Estonia, buildings are accounted for ca 50% of all energy consumption**
  - **Ca 70% of population in Estonia lives in apartment buildings**
  - **Ca 45% of total housing stock was built in 1971-1990 and is not sustainably renovated**
- **Energy efficiency in housing is for us very important and it is highlighted in the Country Reports and according Annex D for the new Operational programme**
  - **CO 2 reduction – currently 11% of the total**
  - **Energy consumption reduction – currently 31% of the total**

# Progress so far

- **Good results**
  - Most of Rakvere apartment houses are now energy efficient
  - Tartu SmartCity “Smart Hručovka” project
- **Popular and well known measure**
  - But only in main cities

# Comparison of the ERDF investments in Baltics

EE in housing	EE CF grants	LV ERDF grants	LT (2018) ERDF only for FI
Budget, meur	148,30	171,2	324
Committed, meur	108,4	171,2	
Paid to recipients, meur	102,7	55,6	
OP budget, meur	3507	4514	
Share of EE in it, %	4,2	3,8	
Households financed	20 500	16 186	56 000
Energy efficiency, %	59	67	

Estonia and Latvia are financing financial instruments from national budget, Lithuania the opposite. These data are not available for us.

# Challenges

- So far used mostly in main cities
- Housing associations outside of the cities relatively weakly organised
  - Many people with low income (pensioners)
  - People have short-term perspective
- “Energy poverty” in more remote areas
  - Low income owners are not able to co-finance
  - Value of the property is low for needed collateral for bank loan
- Partly used apartment houses in Ida-Viru and remote areas

# Opportunities

- **Lower costs of factory prepared blocks for standard bloc-houses**
- **Additional low interest rate longer term loans and/or guarantees**
  - **Open issue - who takes it over after the death of the owner**
    - **Lithuanian experience here could be used also in Estonia**
  - **Broader use of financial instruments in main cities**
  - **Higher grant rate for low income households**
    - **Lithuanian experience**
- **Additional financial resources from the new Operational Programme**

# Thank you



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