



Energy Poverty Advisory Hub

*Annual Conference
19-20 September, 2023, Warsaw, Poland*

One-stop-shops to empower citizens: involving communities
to help alleviate energy poverty

*Liljana Alceva
Deputy Director-Program, Habitat Macedonia*

- 33% of households are not able to keep the home adequately warm in Macedonia.
- Three major causes of energy poverty:
 - » High energy prices
 - » Low household income
 - » Poor energy efficiency of buildings and appliances.



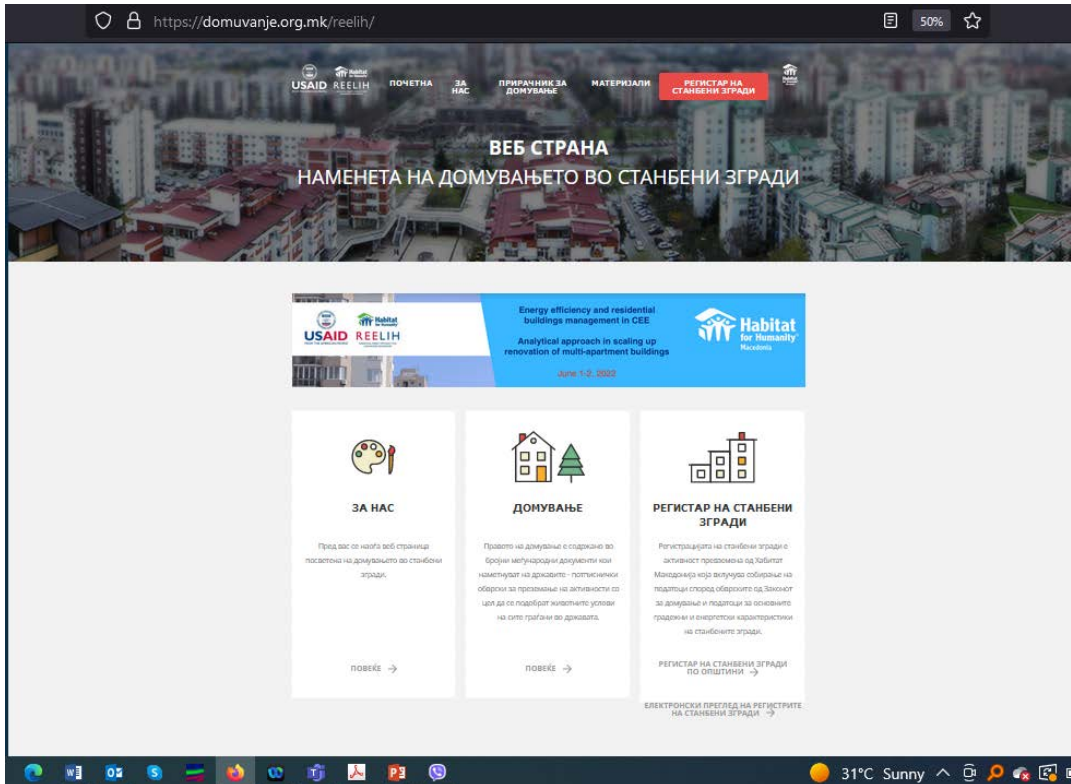
Energy efficiency in the MFABs in CEE is a complex issue:

Reasons:

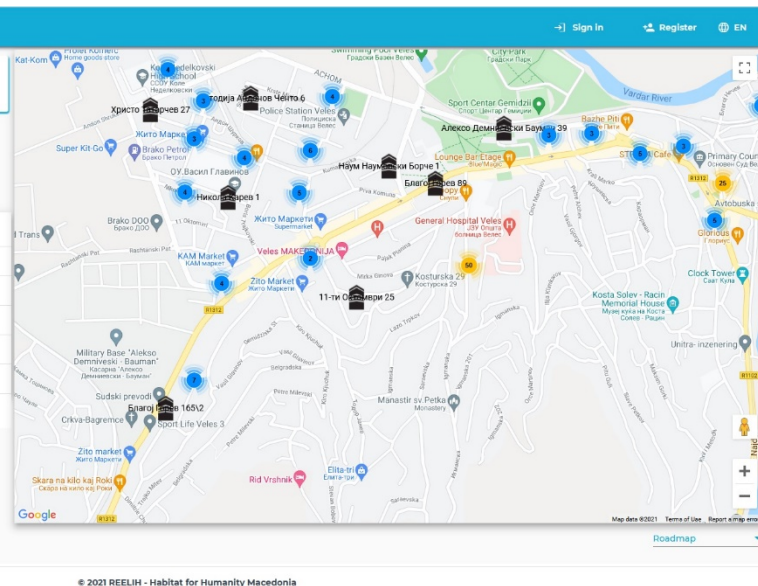
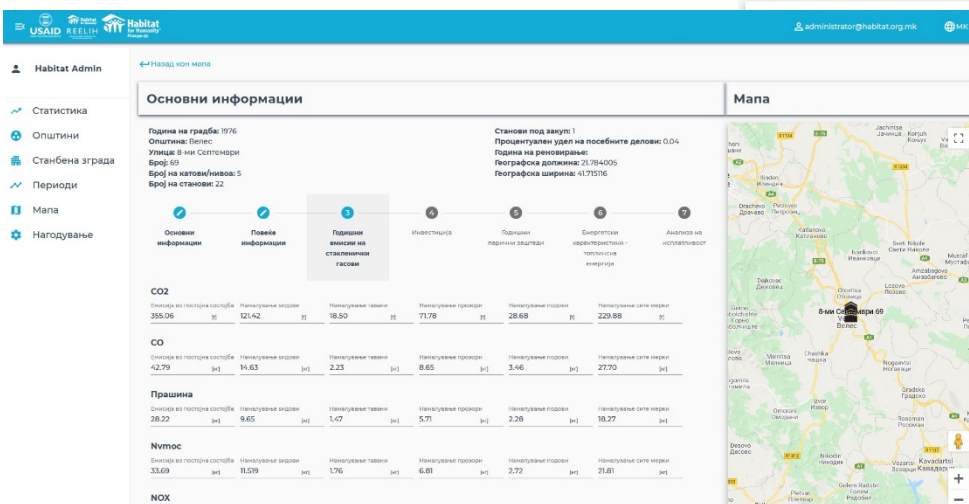
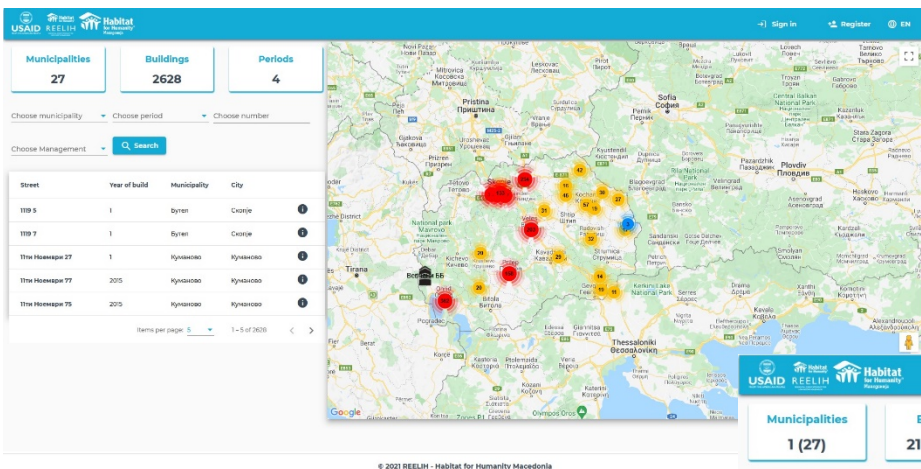
- High level of privatization of the apartments in the multi-apartment buildings.
- Socialist/communist history of the countries, and considering housing as a social, instead of economic category.
- Inherited behaviors among homeowners, state institutions, community service providers..
- Undeveloped real estate and facility management market for the multi-apartment buildings,
- Lack of market oriented financial models for support the retrofits,
- Energy poverty and high number of low income households,
- Mixed social structure of the homeowners in multi-apartment buildings,
- Deficiency of skilled workers and quality construction materials on affordable prices,
- Underdeveloped social supporting system for low income and energy poor households.

- Established in 2012, as a part of the USAID financed project Improving energy efficiency for the low income households (2011-2015);
- On line resource center www.domuwanje.org.mk;
- Data base of multi-apartment buildings in 35 municipalities in Macedonia;
- Facilitating homeowners and homeowner's associations and providing support for the renovation of MABs.
- Established Resource Centers in Municipalities of Karpos and Kavadarci in the frame of the ComAct project.

- Terminology and definitions,
- Housing and management,
- Legislative on EE in housing,
- Practical advices on EE in housing,
- RABA,
- Web-tool ,
- Best practices,
- Q&A



- Linked with RABA, the web-tool offers wide range of information about energy efficiency of the multi-apartment buildings at national, local and building level.





- General information about management of MFABs
- Financial models for EE refurbishment
- Cooperation with municipality and eventual subsidies
- How to apply for EE loans
- Calculations on loan instalments and additional costs
- How to select the contractor
- Q&A

Training for homeowners



- Homeowners association
- Housing management and HOA
- Basic organizational management for HOA
- Financial management in housing for HOA
- Maintenance of the buildings
- Legal obligations
- Relations with Service providers and municipality
- Decision making in the HOA

Training for students



- Introducing curricula in the technical high schools approved by Ministry of education
- Practical and theoretical education
- Organizing internship for high school students:
 - Energy, energy efficiency and energy transition
 - Renewable energy sources
 - Construction materials for energy efficiency
 - Practical work in applying EE measures on MFABs

- Organized annually.
- Supporting the education process,
- New topics and actual subjects,
- Exchange of experiences and peer to peer review on practice.



- Basic about EE&RE in the residential sector
- Market development and perspectives in EE & RE in the residential sector
- Developing business idea for EE & RE in the residential sector
- Models for business development in the EE and RE



Investor Forum, Round tables, Tribunes Stakeholders Advisory Group (SAG)



Press conferences, meetings with decision makers, events, media

Launch Event

Energy efficiency for housing sector project

On December 15, 2011, the Energy efficiency for housing sector project announced its official launch. The launching event was opened with a welcome from the Habitat for Humanity Macedonia Deputy Director - Program, Ms. Lijana Alceva. She introduced the key speakers of the event, the Minister of Economy, Mr. Valon Saraqini, the USAID Mission Director, Mr. Robert Wuerzt and Habitat for Humanity Macedonia National Director, Mr. Zoran Kostov. At the event were presented the activities that the project will undertake in the next three years. Representatives from many ministries, municipalities, NGOs, private companies and academic institutions attended the event.

"I am happy to see that energy efficiency is not only a top priority for industry but also for the residential sector. By working on raising awareness of the people regarding energy efficiency a positive impact will be created on the climate and environment. Homeowners' raised awareness of the application of energy efficiency measures will create a new market for residential energy efficiency that will also create new business opportunities," said the Minister of Economy, Valon Saraqini.

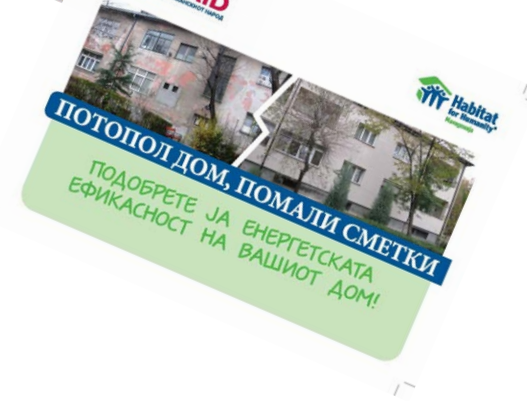
The importance of the residential energy efficiency will generate the interest of the public, commercial and financial sector regarding this issue. The Habitat for Humanity Macedonia National Director, Mr. Zoran Kostov expressed his gratitude to USAID Mission in Macedonia for being an early warning for the increasing energy prices and importance of the residential energy efficiency and for being an excellent supporter.

The pilot project we conducted this past year confirmed that investments in energy efficiency measures are



Speakers on the event (left to right): Ms. Lijana Alceva, Mr. Valon Saraqini, Mr. Robert Wuerzt and Mr. Zoran Kostov





- RCs are located in the municipal buildings and are operated by municipal employees (civil servants);
- Habitat Macedonia is operating on-line RC, and through different programs is supporting homeowners through loans, information, technical support, etc.
- Number of visit- quarterly : 60-70 (individual houses and representatives of MABs) and 500 page views domuvanje.org.mk
- Age of the visitors: 45 -65
- Subject of interest:
 1. Energy efficient measures for the buildings
 2. Financial models/subsidies
 3. Management of MABs

Closing remarks and dilemmas:

- There is an evident need to organize and coordinate homeowners in the process of renovation of MABs;
- EE renovation of the MABs and energy poverty: many things to consider and to discuss;
- Resources for resource centers (are needed);
- Institutional and financial sustainability of the RC:
 - » Model of RC as an integral part of municipal organizations and programs, including financing;
 - » Model of RC as a part of NGO (Habitat Macedonia);
 - » Model of RC financed through ESCO, investors and/or construction and facility management companies ???

Thank you very much !

Liljana Alceva
Deputy Director-Program of Habitat Macedonia
lalceva@habitat.org.mk