

EC IEE project “Beyond Energy Action Strategies” (BEAST) Actions in Latvia

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BEAST project in Latvia

The BEAST project is a significant step in closing the implementation gap of SEAPs in countries of the consortium, including Latvia. The project deals with establishing structures for efficient delivery of SEAPs, identification and preparation of 23 bankable sustainable energy projects and implement actions leading to measurable energy savings and/or increase renewable energy sources supply. In Latvia the actions being in implementation process, fostered by Zemgale Regional Energy Agency (ZREA) are:

- Promotion of use of electric vehicles (STEER cluster)
- Energy efficiency in multi-residential buildings (SAVE cluster)
- Promotion of energy efficient/RES technologies (ALTENER cluster)



Zemgale Region – in the central part of Latvia, 280 000 residents



20 counties, 2 bigger cities –
Jelgava and Jekabpils



Zemgale Regional Energy Agency (ZREA)

Non for profit organization under Latvian Law on Associations (Societies) and Foundations

Work directions – energy efficiency, renewable energy resources, green transport:

- Energy planning (SEAPs)
- Data bases
- Advice & consultations
- Energy projects
- Energy events



Promotion of use of Electrical vehicles

There are about 200 electric cars per 2 million inhabitants in Latvia, with just 3 fast charging stations currently – in Ogre, Gulbene and Riga

By 2020 Latvia government plans to install 60 national level fast charging stations
- on national level roads, the distance between these stations will be not greater than 30km.

By 2022 Latvia government plans to install 175 fast charging stations on regional roads, the distance between the charging stations will be not greater than 50km.



Promotion of use of Electrical vehicles

ZREA work – in local and regional level.

In accordance with SEAP of Zemgale region - by facilitating the use of electric vehicles in Zemgale region, car pooling and use of bicycles **it would be possible to reduce GHG emissions by 5% or 3684 tonnes.**

The target group of promotion of use of electric vehicles and installment of infrastructure of electric-fuelled vehicles are mainly municipal specialists and decision makers, also private businesses. ZREA focuses on 5 municipalities - ZREA members: Jelgava city, Jekabpils city, Ozolnieku county, Bauska county and Auce county, approximately 134 000 inhabitants in total.

The objective - to increase the number of electric cars in Zemgale region



Workgroup meetings

Workgroup meetings with involved stakeholders to decide on form, content and schedule of informative campaigns. Identification of barriers, Jam session on how to overcome the barriers



Informative campaign

Informative campaign, workshops on SEAP and electromobility - on the benefits of using electric vehicles and their charging equipment and on possibilities of installation of charging stations, the national support policy and national / EU support programs for installation of charging stations and purchase of electric vehicles.

Informative campaign combined with demonstrating campaigns of electric vehicles and its charging equipment - "marathon of electric vehicles"

4 locations, 165 participants



Assistance in preparation of project applications

Consultations and assistance in preparation of project applications for national calls supporting purchase of electric vehicles - 2 electric vehicles bought; for purchase of 4 electric vehicles consultations have been provided. Planned to provide further assistance if / when the national programme is announced.



Main barriers/risks

- **Price**
- **Cold climate** - in cold climate in Latvia the battery performance is to rather great extent affected and the possible distances are decreased per 60%.
- Undeveloped **charging infrastructure**



Energy Efficiency in Multiresidential Buildings

- 66% of Latvia inhabitants live in multi-residential buildings
- Multiresidential buildings have the highest potential in energy saving as on average 40%-50% of energy is saved after refurbishment.
- People need assistance in elaboration of project applications for national programme

ZREA participates in meetings with apartment owners to convince them on the necessity to do the energy efficient refurbishment, provides individual consultations and helps to elaborate project application for the national support programme.



Objectives

Under BEAST project, SAVE cluster to work at local and regional level –

To promote refurbishment of multiresidential buildings by raising awareness of their owners and society in common about possibility to obtain the support of National programme and accomplish the reconstruction, to provide consultations to individuals and house maintenance companies or societies. Objectives of implementation of energy efficiency projects are to reduce energy consumption and costs, to reduce GHG emissions, to renovate the living fund.



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Work group meetings

Work group meetings - preparation of informative campaign and feedback for the 2nd national programme (Oct 2015-2020), identification of barriers,

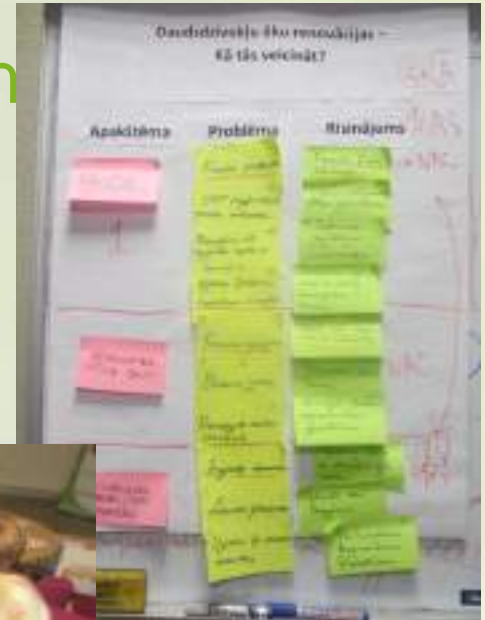


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Capacity building seminars, Jam session

Jam session for inspiration on how to overcome the barriers and find the best solutions



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Energy Efficiency in Multiresidential Buildings

Assistance in implementation
of EE refurbishments of
multiresidential houses from
the 1st national programme -
refurbishments eligible till
October 2015, about to be
completed



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Seminars and site visits

Seminars, site visits and consultations on general necessity and benefits of EE refurbishments of multiresidential buildings

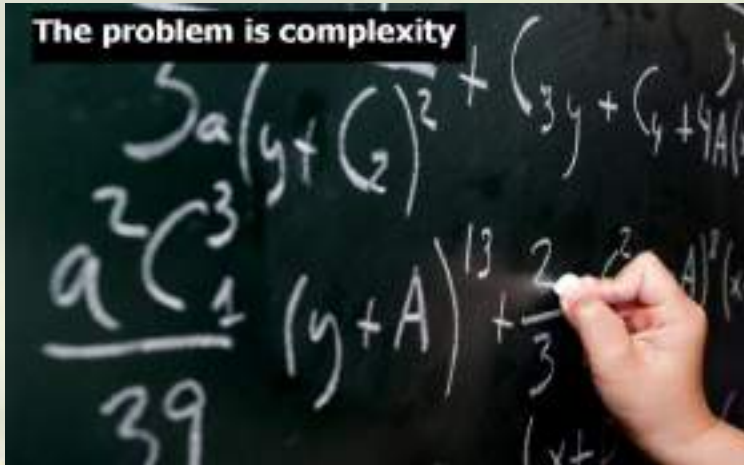


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Informative campaign & individual assistance



- Implementation of informative campaign on the 2nd national programme on EE refurbishment of multiresidential buildings at local and regional level -10 seminars planned - on the new financial support conditions, encouraged to use the new programme, to refurbish their buildings, the benefits will be highlighted, such as per 40-60% reduced heating bills , increased thermal comfort etc.
- Individual Assistance in preparation of project applications for EE refurbishment of multiresidential houses – planned from October 2015.



Promotion of EE and RES solutions – ALTENER cluster

- Work group meetings for information and decisions on the possible EE and RES solutions to be used in Zemgale municipalities



Sollar collectors

Implementation of the decision -preparation of the procurement for design and installation of the solar collectors in Ozolnieki county, Ozolnieki municipality in collaboration with ZREA



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Dissemination of the good practices

Presentation of the solar collector to the public



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RES powered pedestrian crossings

Preparation of the procurement documentation for technical design for RES powered pedestrian crossings in remote places - ongoing

Installation of RES powered pedestrian crossings - public lighting – planned in 2016.





Project of EU Horizon2020 programme “Capacity Building on Energy Performance Contracting in European Markets in Transition”



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Objective of the Project

- Develop local capacities of municipalities to set-up and use Energy Performance Contracting (EPC) for the financing of investments in energy efficiency improvements in public buildings and services.

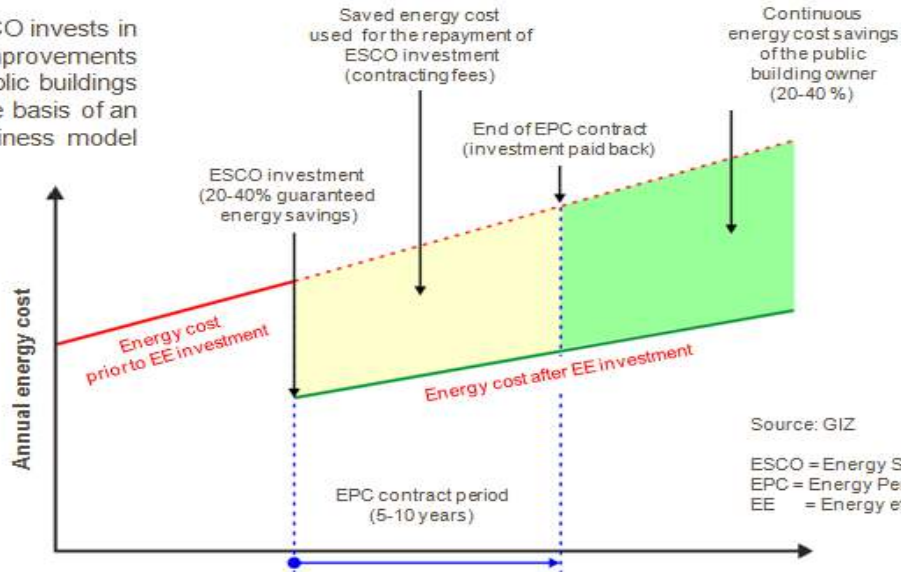
Scope:

- Evaluation and adaptation of best practices,
- Stakeholder consultations,
- Road shows,
- Training of trainers,
- Webinars,
- E-learning,
- Seminars.



Energy Performance Contracting (EPC)

ESCO invests in EE improvements of public buildings on the basis of an EPC business model



Thank you for your attention!

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