



Initiative Wohnungswirtschaft Osteuropa (IWO) e.V.

Photovoltaic energy for energy-efficient modernisation of multi-family houses. EUKI SOL project and German experience

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IWO and our member structure

... about 25 active and sustaining members, among them:



Strengthening Climate Cooperation within the European Union

The European Climate Initiative of the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

On behalf of:



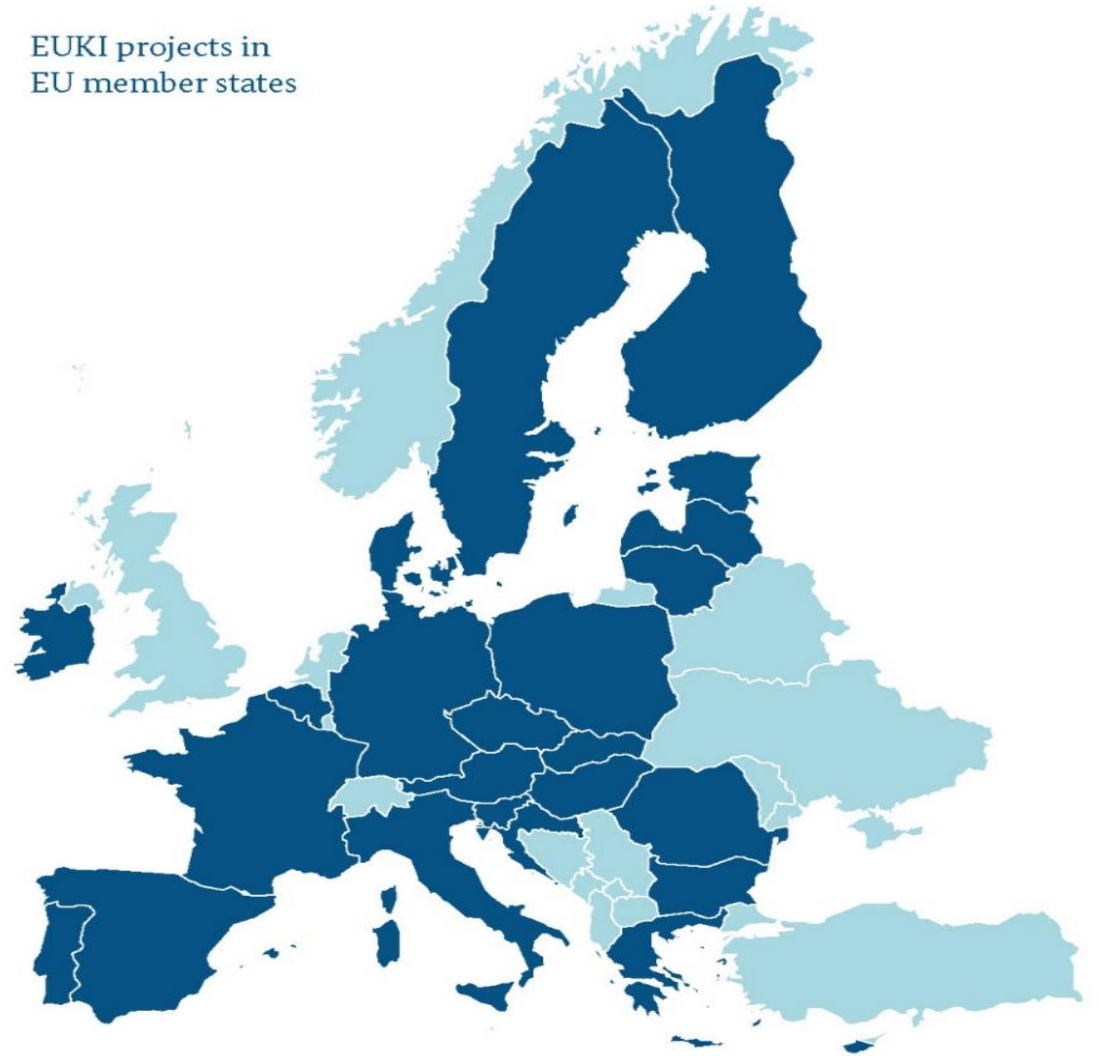
Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



European
Climate Initiative
EUKI

of the Federal Republic of Germany

EUKI projects in
EU member states





Strengthening knowledge and raising awareness in order to encourage climate protection and the ecological, social and economic opportunities connected with climate action.



Fostering the exchange of good practices, transfer of knowledge and experience and building of networks in order to support transformative processes and favourable framework conditions for mitigation of greenhouse gas emissions.



Building a bridge to EU programmes through capacity building as well as leveraging European funds into innovative and progressive climate action.

Current IWO projects in Lithuania within EUKI

EUKI I

Training of Managers
for Urban
Redevelopment in
Lithuania



EUKI II

Solar Energy for
Multi-Family Houses
in Lithuania



Promotion of & consultation
on BMU's UIP programme

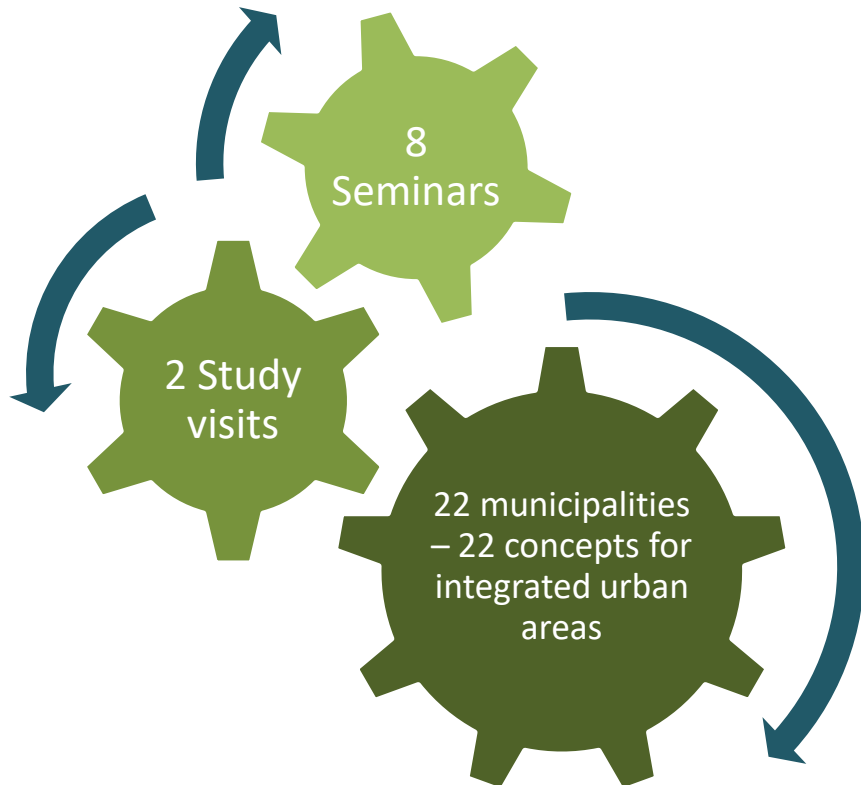


Utena, typical Multi Family House



Birstonas, Music and Art School

Our EUKI Projects

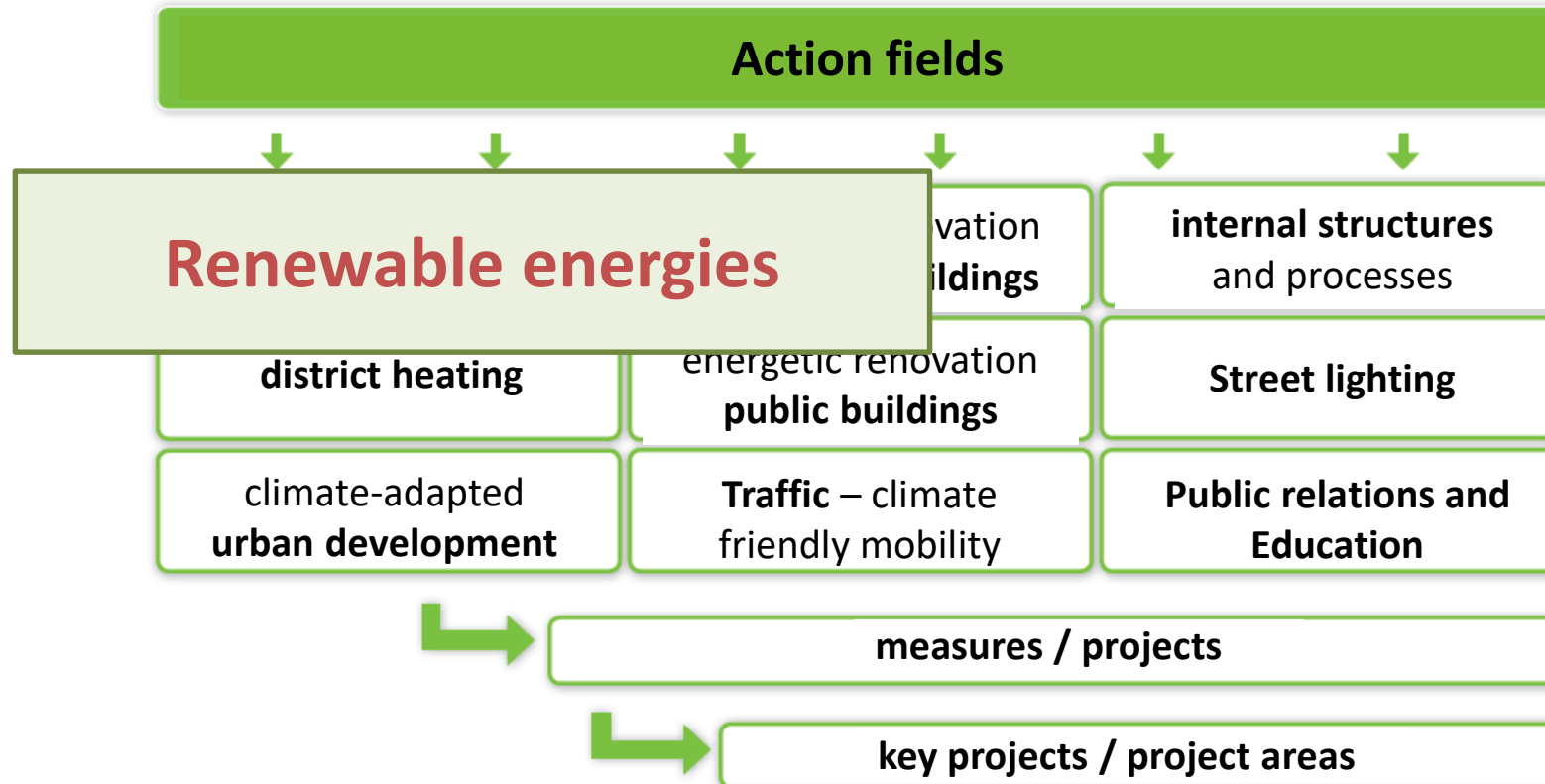


Trainings for Urban Development

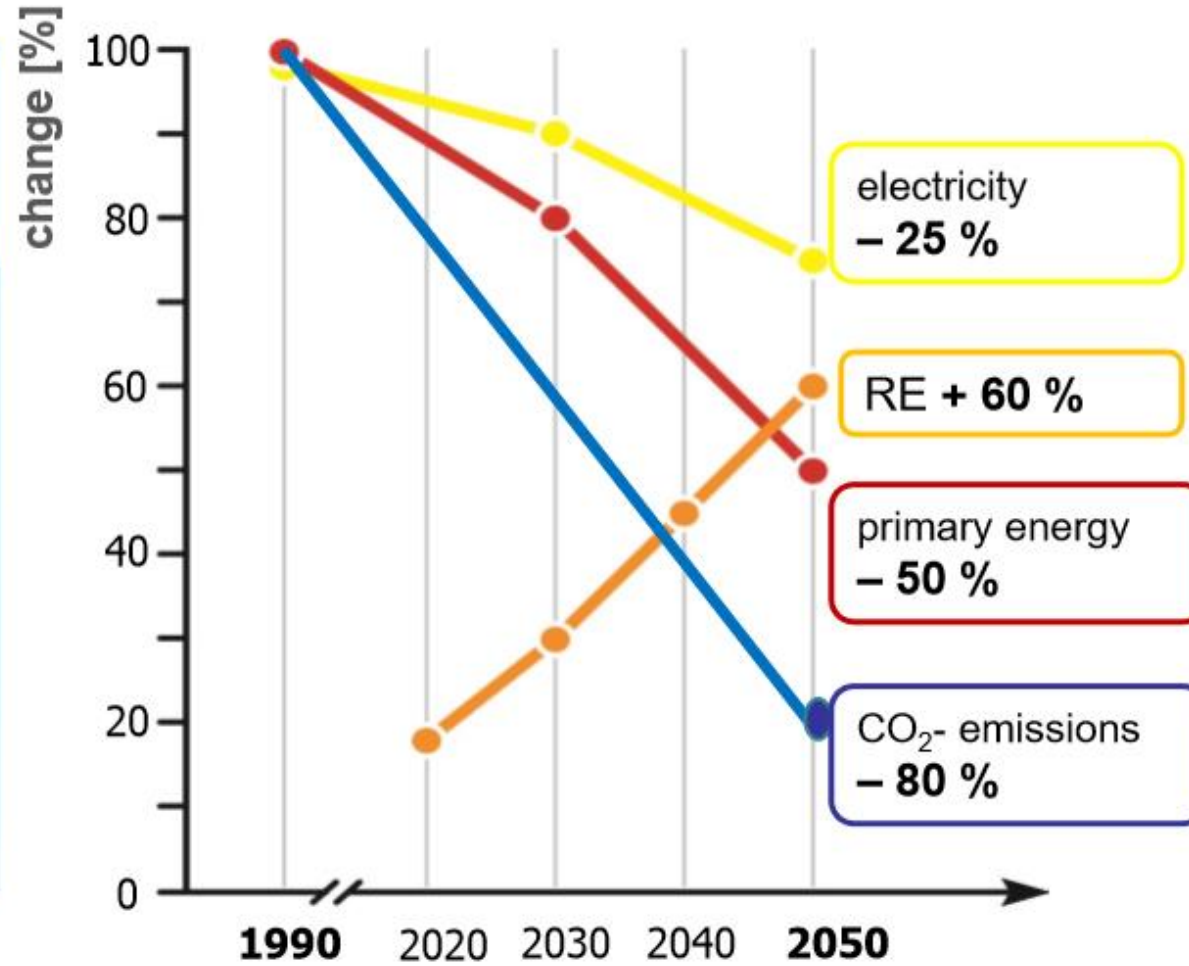
As part of the project, the Housing Initiative for Eastern Europe (IWO), Lithuanian Ministry of Environment, Lithuanian Housing Energy efficiency agency and Association of Local Authorities in Lithuania provide trainings for 22 municipalities in the field of energy – efficient urban renewal. The trainings are inspired by good experiences from Germany. As part of the capacity building, managers for urban development create resource-efficient refurbishment concepts for their respective communities.



Key fields of action in urban redevelopment

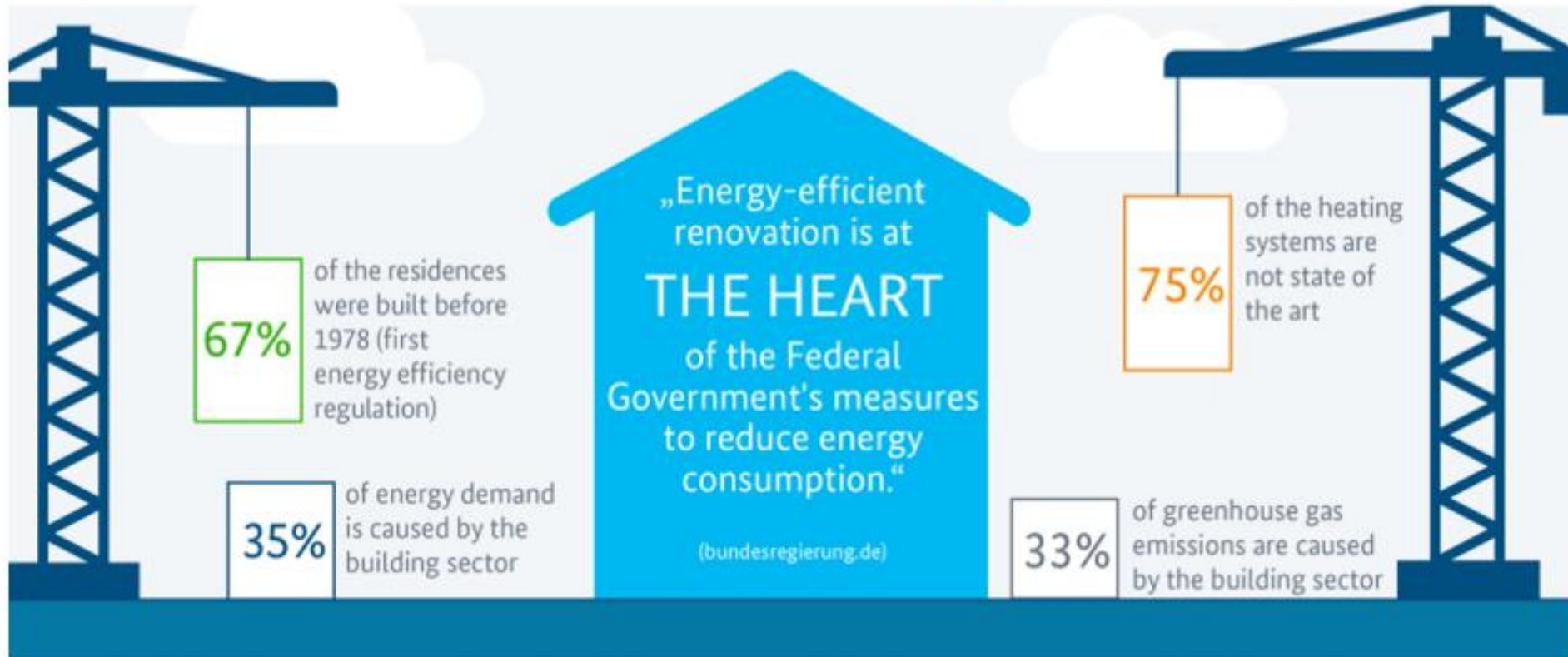


Statistics and goals in Germany



Building Stock in Germany

Low-energy refurbishment of existing building stock is crucial for the success of the energy transition



Solar Energy for Multi-Family Buildings in Lithuania

Background

Lots of MFH

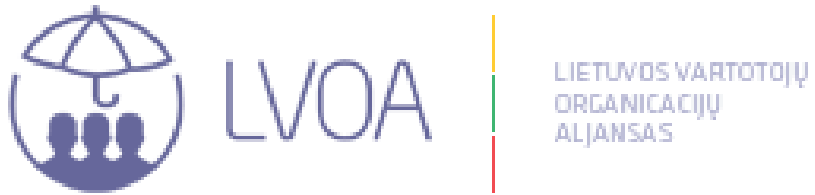
Low number of RE

Energy poverty

Solar Energy for Multi-Family Buildings in Lithuania identifies and examines relevant areas for applying solar energy (photovoltaic and solar thermal energy) solutions in Lithuanian apartment buildings. The main part of the project consists in analyzing and describing social and technical issues which need to be addressed in order to introduce and scale up solar energy in the renovation of multi-family buildings in Lithuania.



Partners



Project Outcomes

Stakeholder engagement

Analyse

Recommendations

Recommendations

- Supporting the standard renovation to Energy Class C including the photovoltaics.
- Supporting partial renovation including the photovoltaics and heat pump
- Modernisation of the heating units in order to create the possibility to regulate the heat in each apartment individually.
- Decentralising the hot water supply in summer. PV and heat pump could not only reduce general household costs, but also eliminate the losses of centralised network operation during the warm season.
- The creation of energy communities and a clearer legal framework for joint ownership is one of the most important tools available to the state policy to increase the number of prosumers.



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Thank you.

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