

Outputs

Local heating and electricity supply systems are modernised in 5 public buildings in Estonia and Pskov Region, Russia

Obinitza village center and Rõuge municipality house energy systems was renovated with **ground heat pumps integrated with solar PV panels**

Street lighting systems installed in Rõuge (Estonia) and in Tyamsha (Russia)

Trainings and capacity building seminars for energy experts and municipality employees organised. **Networking of energy experts and local authorities** and public representatives is established

Secondary school in Boroussy village, Russia equipped with **solar panels**, which provide hot water for the school

1 Energy Class modernised in Rõuge School by installing the smart board and purchasing new equipment for energy measuring. Also **weekly energetics-robotics hobby group** was regularly attended by students in Rõuge

Energy day on Energy Saving Technologies and Renewable Energy Systems (RES) with participation of **Russian and Estonian students** was held

A number of **showcases of using solar and wind power, biofuel and ground heat as possible energy resources** were demonstrated

Various seminars and study tours on renewable energy and energy efficiency were organised for a wide range of participants



RESULTS



Increase of knowledge and awareness of local authorities and the community, especially youth on alternative renewable energy utilisation methods and their efficiency

Increased energy efficiency and environmental sustainability of the target municipalities of South Estonia and Pskov Region (Russia)

Project activities have **positively influenced the professional level of the local municipal officials and energy experts** in the field of local RES utilisation

Reduction of municipal **power consumption** in South Estonia and Pskov region (Russia) settlements **up to 50 %**

Increase of local population safety in the streets thanks to the new street lighting

Russian regions benefit from new tools and incentives for further use of local renewables in **more sustainable energy and heat supply systems**

To estimate the potential of local renewables usage in Pskov Oblast, a research on RES availability and utilisation was made. Based on the results of the research, specific **technical, organisational and financial recommendations on local RES utilisation were developed** for the following municipalities - Strugy Krasnye, Bezhanitsy, Pskov, Zalit Island

The heating system installed in Obinitsa village centre will cover 90% of the buildings energy needs in the future, which means **massive savings in running costs for switching from fossil to renewable energy**

Public Private Partnership (PPP) agreements were developed and used by project partners while constructing RES utilisation facilities in the target project areas

Knowledge generated within the project has been **transferred to the relevant experts and public sector**. It has also prepared a ground for discussion on possible usage of RES for small municipalities in Russian and Estonian cross-border areas

