



Awareness Rising and Investments in Energy Efficiency: Johvi and Kingisepp

ARIEE

Priority 2 Common challenges

Measure 2.3 Improvement of energy efficiency and promotion of renewable energy sources





Short summary of the project

The project is going to address a problem, common for both countries, having lots of social establishments, such as kindergartens and schools, situated in the buildings with poor energy-efficiency below nowadays standards. This problem gets highly urgent nowadays when prices of energy are constantly rising. The vast majority of these buildings have been erected more than 20 years ago according to the old standards when low prices of energy did not force to use sparing/economic solutions, not to mention unstable quality of building materials and construction works.

Both project partners have a number of social establishments on their territory. The worst situation is with kindergartens, lots of energies are spent, still the temperature in kindergartens' rooms is unstable and often does not meet necessary health requirements. There are 3 kindergartens in Jõhvi municipality (and altogether 63 in Ida-Viru county) and 22 kindergartens in Kingisepp district, the majority of them built 20-40 years ago. The challenge is to raise the energy-efficiency in all of them, but due to the large number of establishments it is important to choose the best methods in order to economize on renovation process. To create first examples in both partners' regions two kindergartens will be under attention during the implementation of this project.



The reduction and balancing of energy-consumption consists not only in specific reconstruction works but also in changes of people's habits: people are not used to thinking in the categories of saving energy. That is why awareness rising is needed. During the project a set of awareness rising actions will be organized (info-days, seminars, study-trips) for the municipal specialists and other people related with kindergartens – staff and parents. Public bodies running the social objects will see and experience the most cost-effective and acknowledged ways how to reconstruct their premises and how to use them in the most efficient way.

By the complex of activities implemented during this project, partners will contribute to achieving program goals as well as follow their countries' legislative and strategic tendencies to improve energy-efficiency.

Overall objective

To contribute to the achievement of higher energy-efficiency in two neighbouring regions: Jõhvi and the whole county of Ida-Virumaa (Estonia) and the district of Kingisepp (Russia).

Specific objectives

-  To rise people's awareness on energy saving methods
-  To establish two sample objects (one in each country) as the best practices how to renovate an old typical Soviet kindergarten into a modern building with low energy consumption.

Beneficiary

Johvi Municipality Government (Estonia)

Partner

Administration of Municipal Formation "Kingisepp Municipal District" (Russia)





Expected results

+ Raising the energy-efficiency awareness

- 6 info-days, 3 of them in Jõhvi and 3 in Kingisepp district organized:
 - for kindergarten staff and kid's parents (minimum 100 attendants)
 - for municipal specialists responsible for energy and buildings (minimum 80 attendants)
 - a joyful thematic day for the kids from the engaged kindergartens (minimum 320 children involved)
- Simple and colorful thematic workbook for kindergarten children (First edition during the project 2000 copies, 800 in Estonian and 1200 in Russian)
- 2-days intensive study-trip to Denmark for 10 people (5 participators from Jõhvi and 5 from Kingisepp) for visiting the Excellence centre of energy saving and renewable energies „Folkecenter“ and a sample low-energy consumptive social infrastructure object
- Participation in Russian annual energy conference „Enes-Expo (4 people, 2 from each partner)

+ Reconstruction works in sample-kindergartens

- In Jõhvi (kindergarten „Kalevipoeg“) - the walls and roof insulation, reconstruction of the ventilation system (including ventilation heat recovery unit)
- In Kingisepp (kindergarten No 3) - installation of the heat balancing centre, replacement of heating system in the building, changing windows, walls and roof insulation

As a result, about 50% of savings from energy-expenses is expected in Jõhvi and Kingisepp sample kindergartens, stable and automatically adjustable heating conditions are achieved in the kindergartens' premises.

Final beneficiaries

- + Children (average 430 yearly) and staff (120 people) of two kindergartens in Johvi and Kingisepp
- + Municipal specialists and decision makers responsible for energy saving and economic spheres
- + Inhabitants of the project territory, especially parents of kindergarten children involved in the project

Duration

21 months

Budget

Total budget: **981 528,50** EUR

Programme co-financing: 882 006,45 EUR (90%)

Project co-financing: 99 522,05 EUR (10%)

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