

West Pomerania Poland

Sustainable energy in public spaces located in the town centers of the Central Functional Zone in the West Pomeranian Voivodeship based on the example of Połczyn-Zdrój

The aim of the project was to investigate RES optimization towards better local energy efficiency and enhanced quality of public spaces in Połczyn-Zdrój.

Introducing RES and energy efficiency is one of the basic factors increasing local ecological awareness of the space users. Responsible spatial planning is aiming at supporting of third wave prosumers, balancing the ideas of sustainable development with lowering the energy use through introducing of alternative technologies in urban spaces.

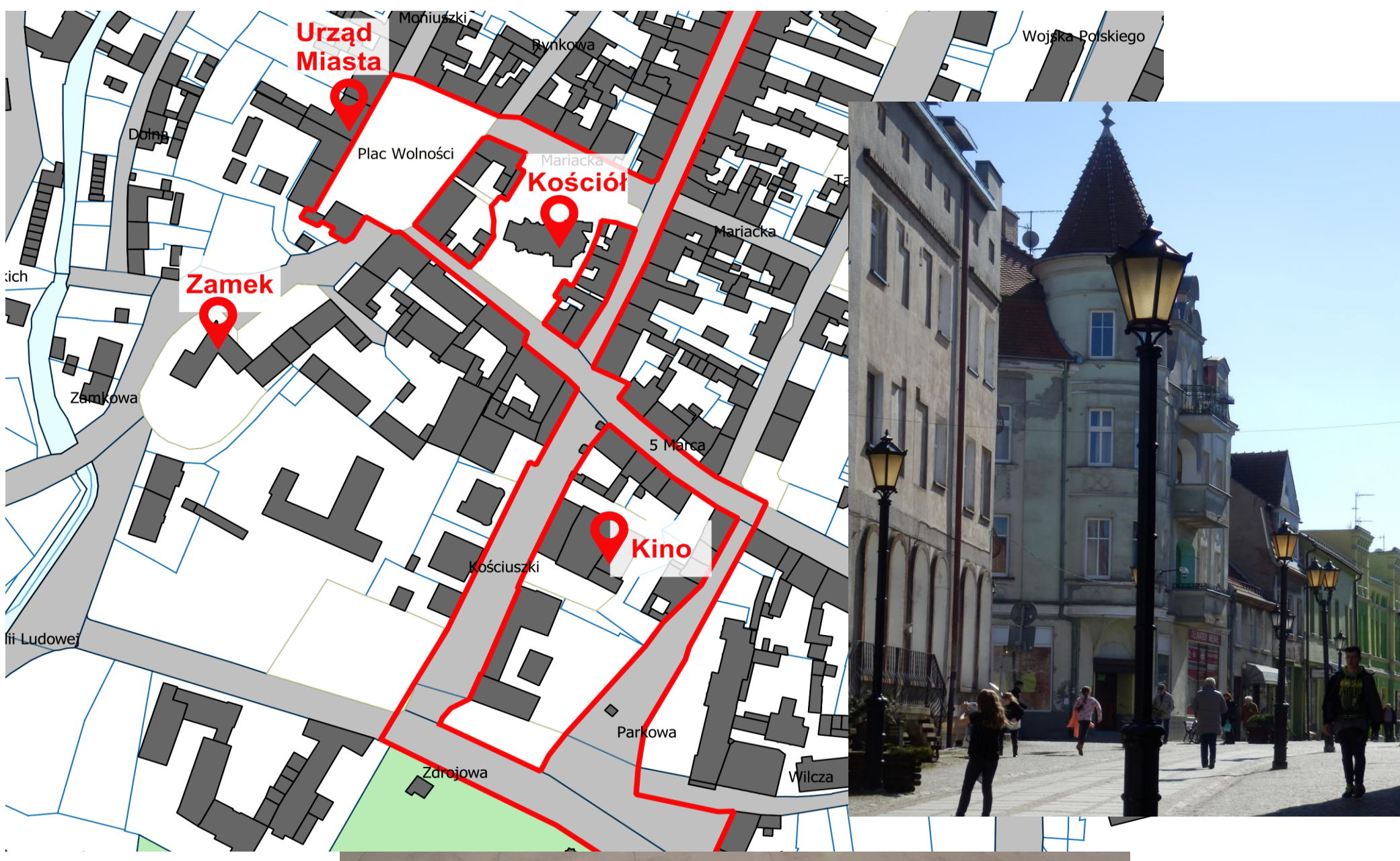
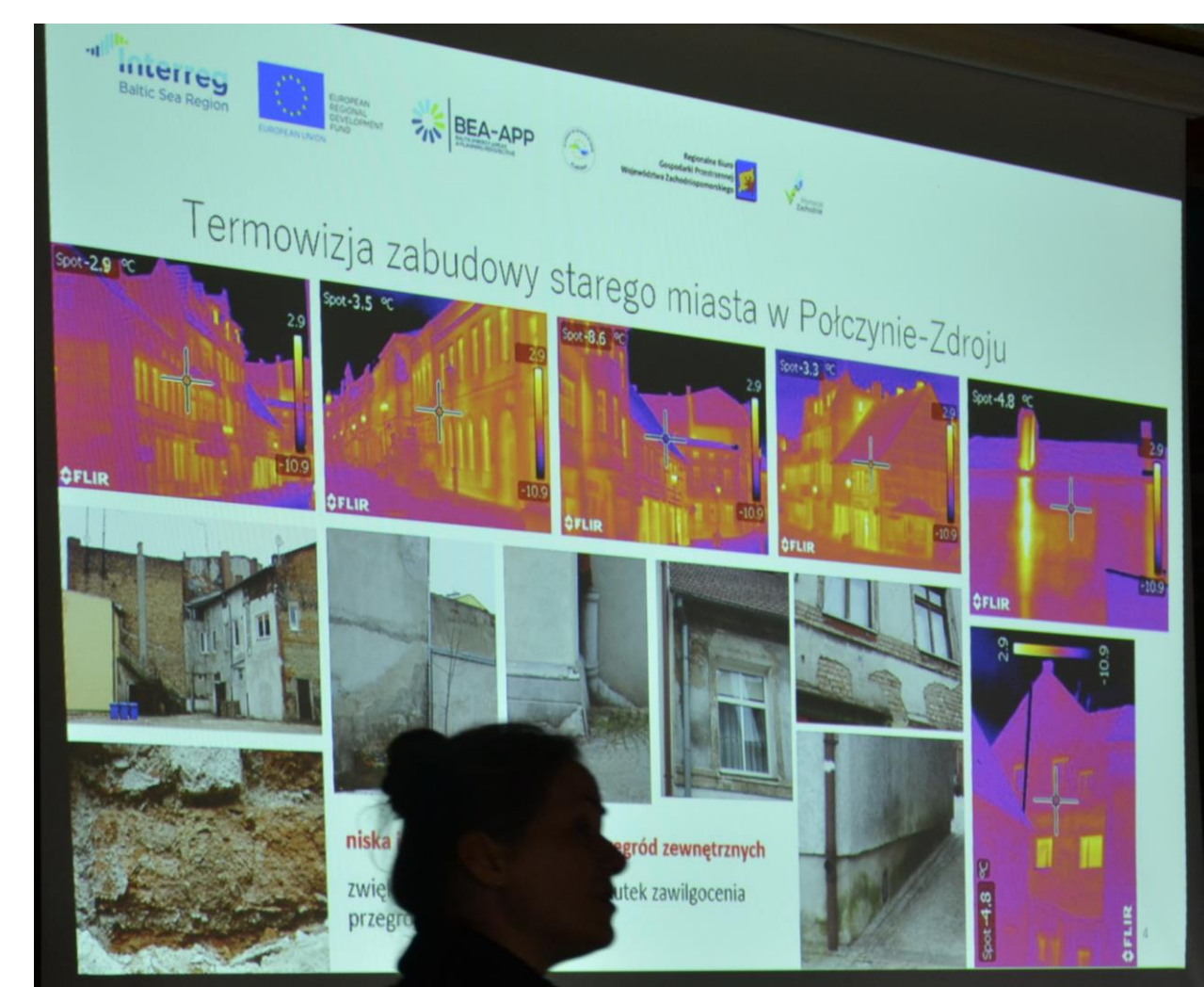
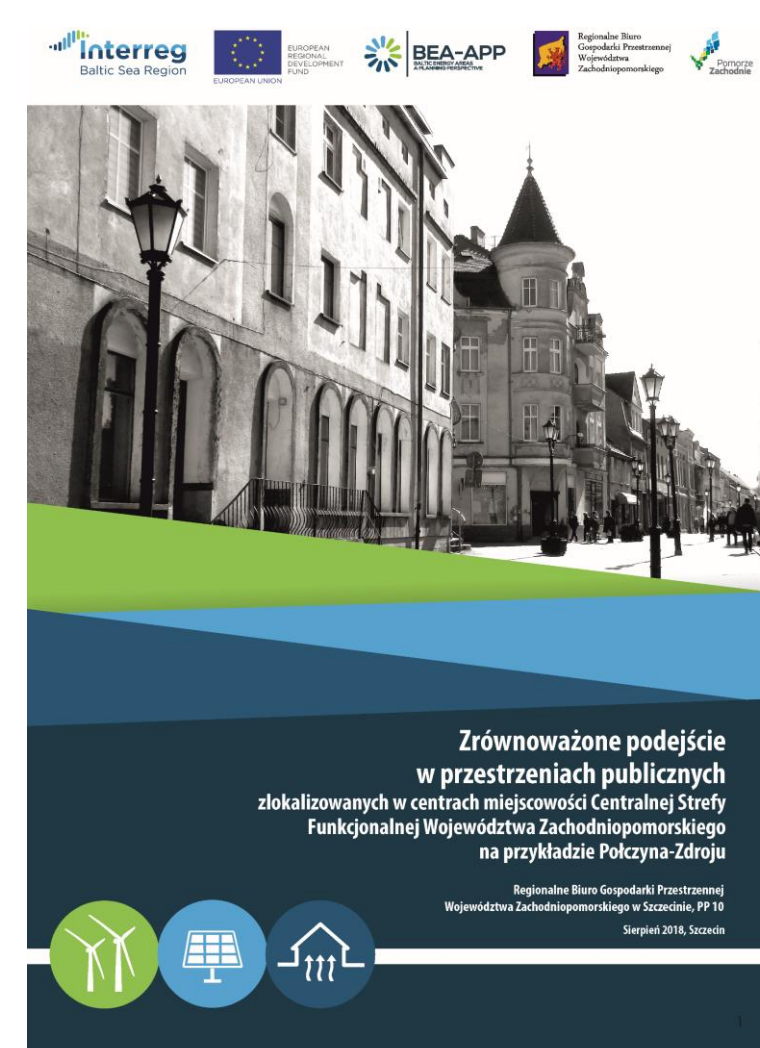


Figure 1. Pilot project area in Połczyn-Zdrój

Main aspects and lessons learned

1. Conducting the lightning audit, including streets, communication routes and public spaces, pointing out possible changes in the lightning system of the city, so it would more energy efficient. A precondition of suggested changes was to base them on technological solutions, using energy from RES
2. Analysis of methods of thermo modernisation of buildings, including those under heritage and health resort protection, while including the possibility of using installations gaining energy from RES.
3. Concept of public space development with use of RES - Semester project of students



Main results

The pilot project presents the results from extensive research, analysis and field studies on public space, with using energy mix. Based on those actions, concrete, tailor made solutions, tailored to the chosen area of Połczyn-Zdrój have been developed, and, as a consequence, they caused the creation of third wave of prosumers, or „aware” citizens.

Set of actions for self-government administration, institutions, local societies and investors regarding the implementation of actions connected to the use of RES and influencing the energy transition of public spaces:

- Municipality as leader in promotion of energy efficiency
- Recommendations regarding an improvement of energy efficiency of the public spaces
- Recommendations in terms of including issues linked to energy efficiency, including thermo-modernization, and using RES in programming, strategic and planning documents



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