

Restoration and renovation of the green infrastructure alleys of the town of Põltsamaa to alleviate the urban heat island

The project “Restoration and renovation of the green infrastructure alleys of the town of Põltsamaa to alleviate the urban heat island“ is needed to reduce the effects of global warming in Põltsamaa. As global warming is already inevitable, we must consider how humans can adapt to the climate change and the accompanying heatwaves, floods, and other similar natural disasters that can be dangerous. Therefore, the best natural approach is to restore roadside alleyways, which can help to alleviate the urban heat island effects.



The objective of the project is to ensure a better climatic situation in the whole town of Põltsamaa, hence reducing the emissions of the greenhouse gases and improving the living environment. Additional to restoring the roadside alleyways, the green areas will be constructed in Põltsamaa Castle courtyard and the central square.

The outcome of the project are the roadside alleyways where people can seek ‘shelter’ from the hot weather in the shades of the trees. Furthermore, the green areas aid in flood prevention by allowing the rainfall to seep into the ground more easily during the heavy rains.

The first output of the project is the construction of nature-based landscaping with high greenery on the castle courtyard. The second output is the construction of alleys along the roads passing through the town.

The people who will benefit from the project are the people who are either living in Põltsamaa, or just visiting it.

However, the task of the partner is to link the outcomes of the project with the activities of the county’s climate and energy plan. Furthermore, they have to gather and share the experiences in the development of green networks and urban heat island mitigation activities in densely populated areas.

The supporters and financiers are mentioned in (social)media, urban space, seminars, and conferences when talking about the project.

The development of green infrastructure is supported by the country through the European Economic Area Support Action, with contributions from Norway, Iceland and Liechtenstein.