



CONFERENCE “IMPLEMENTATION OF INNOVATIVE MEASURES FOR CLIMATE CHANGE MITIGATION AND ADAPTATION IN THE MUNICIPALITIES IN BULGARIA”

1 NOVEMBER 2022, SOFIA

THE WORKINGG MEETINGS BETWEEN THE MUNICIPALITIES AND THE
EXCHANGE OF IDEAS

Sliven Municipality



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The team

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Expert “Ecology”: Eng. Nikolai Bakardzhiev – Head of Ecology Department

Investor’s control: Eng. Svetla Kabadozova – Senior Expert from Municipal Infrastructure Directorate

Public Procurement Awarding: Eng. Ginka Tuzharova – Head of Public Procurement Department

*The work of the team has been supported by Kamen Kostov – Deputy Mayor “Territorial Development and Construction”,
Victor Doichinov – chief architect and Emiliya Kyuchukova – Landscape Architect*



The working meetings between the municipalities and the exchange of ideas

First working meeting, online. Introduction of the teams.

The consulting team presented:

- “Methodology for analysis of municipal strategic documents, plans and programs, and steps for pilot activities’ identification” .
- Report on “International experience and best practices for climate change adaptation“, prepared by the Western Norway Research Institute.
- Training materials, presentations – targeted at concrete measures, implemented in different countries.





The working meetings between the municipalities and the exchange of ideas

Second working meeting. With the participation of expert teams of the partner municipalities, NTEF team and the team of the Bulgarian consultants.

- Presentation on the analysis of the information with the aim to justify the selected threats
- Presentation of selected investment measure and concrete location
- Discussion with a team-opponent from another municipality and discussion within the bigger group, refinement of the ideas
- Direct professional help and assistance on the part of the consultation team under the project
- The NTEF team “provoked” the teams of the municipalities aiming at the refinement of the concrete steps and justification and defense of the selected measures





The working meetings between the municipalities and the exchange of ideas

Third working meeting. Involving the participation of the expert teams of the partner municipalities, the NTEF team and the team of the Bulgarian consultants. Remote inclusion in the meeting on the part of the experts from the Western Norway Research Institute.

- Finalization of the analytical reports on the basis of the steps envisaged in the methodology
- Presentation of a project fiche – justification of the manner, in which the measure shall lead to a climate change adaptation and more particularly – to the threat and the risk, which are characteristic for the concrete location, the activities that should be implemented
- Work in a team by municipalities with discussions within the big group. Professional help and assistance by the consultation team, in this number specialists in greening and waters.



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Green corridor between two parks

Major threat: The heating in urban environment – heat island effect.

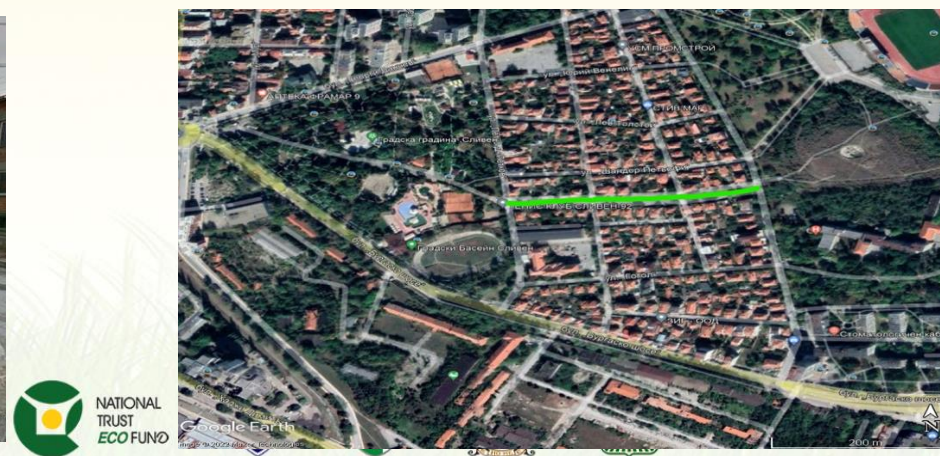
Objective of the measure: To reduce the negative effect of this threat on people, infrastructure and urban environment through specific adaptation measures.

Solution: Creation of blue-green infrastructure through shading and cooling of a public space.

Object of the intervention: A street with 280 m length, which is a natural link between two big parks, representing unimproved open space. It is a part of a pedestrian route, connecting the Central city part with several neighborhoods.

The place has all characteristics of the threat: sealed area, open space without vegetation, high temperatures during the summer period.

As of the present moment a preliminary design is prepared, after which contract for engineering will be awarded.



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Green corridor between two parks

The following activities are envisaged:

- Unsealing of soil – removal of paving tiles to increase the green area;
- Shading through planting of non-invasive vegetation, which is resilient to climate changes in urban environment – appropriate tree species and climbing plants, pergolas;
- Grassing of the determined areas, including planting of ornamental plants;
- Separation of corners for relaxation, covered with climbing vegetation;
- Building of irrigation system;
- Installment of electronic board, recording the air temperature and the time;
- Installment of fountains for use by people and animals;
- Construction of water element;
- Replacement of concrete pavement with a garden path.





Thank you

