

Pre-feasibility study for the greening of urban areas

Potential Climate/ Disaster Impacts addressed and Justification for this Approach

A drop in annual rainfall and the lack of free passage along the water enables the degradation of the Sothern Bug River's banks, which is the most important river in Vinnitsya. Urban greening is expected to provide an opportunity for climate change adaptation and mitigation. The cooling capacity of urban vegetation hall reduces the heat island effect while, at the same time, lower energy consumption for cooling and enhancing carbon sequestration. Coupled with the existing river basin management plan, green and blue infrastructure has the potential to improve and protect the riverbank areas within the city, reducing the risk of flooding and erosion.

Results and Impacts

Development of a pre-feasibility study: 1) the analysis of alternatives, climate impacts and financial and economic pre-feasibility, including a) the potential of climate change mitigation (estimation of GHG reduction), b) the potential benefits of implementing NbS (green and blue infrastructure), c) revenue generation options (land value capture through the involvement of local businesses), c) analysis of climate data and identification of areas at higher risk of climate change-related impacts; 2) Stakeholder involvement, consisting of a) stakeholder mapping with organisational meetings, b) coordinated actions and discussions, c) proposal for community involvement in the project, d) preparation of stakeholders involvement and communication strategies.

Process of Implementation

After shortlisting the city, the Gap Fund conducted a detailed assessment taht was approved by the TS. The team prepared a ToR with the city and later on, the TA was implemented and supervised by the GF team. Throughout the process, all relevant stakeholders were engaged.

Project Title

Support for Project Preparation for Urban Progress (SuPPUrbP) - City Climate Finance Gap Fund

Project Number

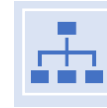
20.9118.9-001



TYPE OF APPROACH
Framework conditions



COUNTRY
Ukraine



LEVEL OF INTERVENTION
city



TYPE OF RISK MANAGEMENT
prevention



MAIN HAZARDS ADDRESSED
Flood, Heat Wave, Drought



URBAN FUNCTION PROTECTED
Recreation, Economic opportunities/ jobs/ work environment, Basic existential functions (water, electricity, etc.)



SPHERE OF INTERVENTION
economy, environment



RESOURCES REQUIRED
1 international expert + 4 national experts, 181 working days in total; consulting contract



COOPERATION PARTNERS
Municipality of Vinnytsia, Spatial Development Agency of Vinnytsia city council