

Pre-feasibility study for flood management

Potential Climate/ Disaster Impacts addressed and Justification for this Approach

Lusaka faces increasing climate risks associated with three mutually reinforcing hazards: flooding, destruction of green spaces, and groundwater degradation. The situation will worsen, as the mean annual temperature is projected to rise between 1.5 and 3°C by 2080, which will lead to an increase in the duration, intensity, and frequency of extreme weather events. The project's scope encompasses community-based flood management and urban wetland preservation, including the construction of climate-proof eco-drainage, the development of an early warning system, solid waste management, and rainwater harvesting. The proposed project aims to improve the wetland and local ecosystem management to preserve identified green spaces and groundwater recharge areas while enhancing groundwater security and the quality of WASH services. This is expected to reduce the number of people who experience extreme flood impacts and improve the resilience to climate-related risks, including the reduction of waterborne diseases such as cholera, for over 1 million poor people.

Process of Implementation

After shortlisting the city, the Gap Fund conducted a detailed assessment that 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

Results and Impacts

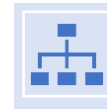
Development of a pre-feasibility study to 1) identify the different aspects of flood impacts and 2) develop a comprehensive investment project concept with a realistic business plan, including an economic and financial



TYPE OF APPROACH
Framework conditions



COUNTRY
Zambia



LEVEL OF INTERVENTION
city



TYPE OF RISK MANAGEMENT
prevention



MAIN HAZARDS ADDRESSED
Flood



URBAN FUNCTION PROTECTED
Basic existential functions (water, electricity, etc.), Health care, Public security/ civil protection



SPHERE OF INTERVENTION
environment



COOPERATION PARTNERS
Town Clerk Lusaka City Council

