



## GREATER KAMPALA INTEGRATED FLOOD RESILIENCE PARTNERSHIP

### Blue-green and inclusive solutions for flood mitigation in Greater Kampala

Flash floods are a recurring water security threat in Kampala Capital City and its neighbouring Greater Kampala Metropolitan Area (GKMA) municipalities. The rapid urbanization of Greater Kampala has led to an increase of impervious surfaces in ecologically sensitive areas which are relevant for flood control. Kampala’s drainage systems have outlived their design capacity and are often blocked by solid and plastic waste, as well as silt, emerging from adjacent communities. These problems are exacerbated by limited collective action across sectors (public, private, civil society and community) in operating and maintaining the drainage systems, and on awareness measures regarding storm water management. Destructive flash floods moreover pose severe socio-economic challenges to both businesses and residents of Greater Kampala. About 10% of Kampala’s jobs are at risk alone due to their location in flood risk zones.

### SOLUTIONS FOR EFFECTIVE FLOOD MITIGATION

To mitigate and adapt to its current flooding challenges, Greater Kampala requires integrated flood risk management solutions, consisting of a combination of catchment management and engineering solutions. Particularly investments into blue-green infrastructure, an approach utilising the benefits of urban green spaces and naturalised water-flows, are necessary. Examples include green roofs, retention ponds, bioswales, rain gardens & rainwater harvesting systems. Government, private sector and communities need to work collaboratively to develop blue-green infrastructure solutions which are scalable and fit the respective context within GKMA.

### A STEWARDSHIP APPROACH TO ADDRESS URBAN FLOODS

**Natural resources stewardship** means that all users of natural resources take responsibility for the shared resources nobody owns but everybody relies on. Forming partnerships, public sector, private companies and civil society work together on eye-level to ensure the sustainable management of natural resources.

Only if innovative infrastructure solutions are jointly developed by authorities, businesses, and communities, they will be operated and maintained efficiently in the long run.



*Community sensitization on flood resilience in an informal settlement in Kinawataka sub-catchment. © GIZ/Willy Ebong*

<b>Duration</b>	January 2021 - ongoing	
<b>Partners</b>	Government institutions: <ul style="list-style-type: none"> <li>Ministry of Water and Environment (MWE)</li> <li>Kampala Capital City Authority (KCCA)</li> </ul> Private sector: <ul style="list-style-type: none"> <li>Uganda Manufacturers Association (UMA)</li> <li>Britannia Allied Industries Limited</li> </ul> Civil Society Organisation: <ul style="list-style-type: none"> <li>ACTogether Uganda</li> </ul>	
<b>Objective</b>	To promote investment in blue-green, inclusive infrastructure solutions in up to two sub/micro-catchments in GKMA for improved urban flood resilience and enhanced socio-economic development.	
<b>Partner contributions (financial or in-kind)</b>	<ul style="list-style-type: none"> <li>in-kind contributions and personnel secondment by all partners</li> <li>provision of two garbage collection trucks by KCCA</li> <li>funding of pilot rainwater harvesting system by Britannia</li> </ul>	

The partnership's goal is to jointly develop and promote innovative, inclusive infrastructure solutions for improved urban resilience towards flooding in GKMA. Partners aim at piloting blue-green infrastructure and innovative solutions with minimal engineering operations to clear solid and plastic waste in storm water drainage channels. An important objective of the partnership is to enhance community and private sector engagement in flood control and stormwater management.

## ACTIVITIES AND PROGRESS

### Activities:

- Build a base of evidence for successful flood mitigation through the integration of blue-green infrastructure solutions in GKMA
- Pilot sustainable blue-green infrastructure and innovative grey solutions to solid waste in drainage channels
- Promote private sector investments and contributions in flood resilience measures and infrastructure
- Strengthen capacities of government agencies and the local policy framework to ensure public-private-civil society involvement in urban flood resilience
- Build community resilience by enhancing communities' involvement in flood resilience and behaviour change measures

### Impacts:

- Improved joint understanding of the extent and magnitude of the flooding problem in the two sub-catchments and identification of specific hotspots to focus on
- Development of costed concepts of blue-green infrastructure solutions for hotspot locations within Kinawataka and Nalukolongo drainage basins
- Improved community awareness, initiated behaviour change and active participation of communities in clean-up of drainage channels

- Private sector commitment towards financing investments in flood control infrastructure and mitigation measures
- Improved technical and analytical capacity for planning and integration of flood mitigation solutions



Community clean-up of drainage channels in cooperation with KCCA: The relationship between the City Authority and communities has improved through the partnership. © GIZ/Willy Ebong

*„I wish to salute this partnership for taking bold steps to mobilize all stakeholders to collectively address this great challenge that afflicts our city and that cannot be left to the city authorities alone to solve.“*

*Paul Mugambe, Mayor, KCCA Nakawa Division*

## ABOUT NATURES

The partnership is part of the Natural Resources Stewardship Programme (NatuReS), a multi-donor programme commissioned by the German Ministry for Economic Cooperation and Development (BMZ), co-financed by the European Union (EU) and the Foreign, Commonwealth and Development Office (FCDO), and implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

NatuReS has so far contributed to creating or safeguarding 40.000 jobs and investments worth EUR 178 million through 14 currently active partnerships. It is a continuation of the International Water Stewardship Programme (IWaSP), active from 2013-2019.

### Published by:

Natural Resources Stewardship Programme  
c/o Deutsche Gesellschaft für  
internationale Zusammenarbeit (GIZ) GmbH

Registered offices in Bonn & Eschborn, Germany

Luthuli Avenue 128, P.O. Box 103822 Kampala, Uganda

### Contact:

Anna Pamberg  
Country Coordinator Uganda  
Natural Resources Stewardship Programme

E [anna.pamberg@giz.de](mailto:anna.pamberg@giz.de)  
I [www.giz.de](http://www.giz.de)  
W <https://nature-stewardship.org/>

Date of publication: September 2022

Title picture: © GIZ

Designed by: Natural Resources Stewardship  
Programme

This publication was produced with the financial support of the German Federal Ministry for Economic Cooperation and Development (BMZ), the European Union and the Foreign, Commonwealth & Development Office (FCDO). Its contents are the sole responsibility of GIZ and do not necessarily reflect the views of BMZ, the European Union or FCDO.

