



RWB
Rwanda Water
Resources Board

RWANDA WATER RESOURCES BOARD

NEWSLETTER AUGUST 2023 EDITION

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FORWARD

Dear esteemed stakeholders, partners, readers,

Rwanda Water Resources Board is thrilled to share with you its August newsletters which encompass key events, activities and achievements we accomplished in August 2023.

One of the achievements we are celebrating is the acquisition of DR 3900 spectrophotometer with 220preprogrammed methods for water lab analysis. This tool will enhance our water monitoring process.

We partnered with RP/IPRC Musanze, University of Palma and EnRHEd Erasmus Project to successfully organize the second edition of Summer School, under the theme "Use of software in the service of land

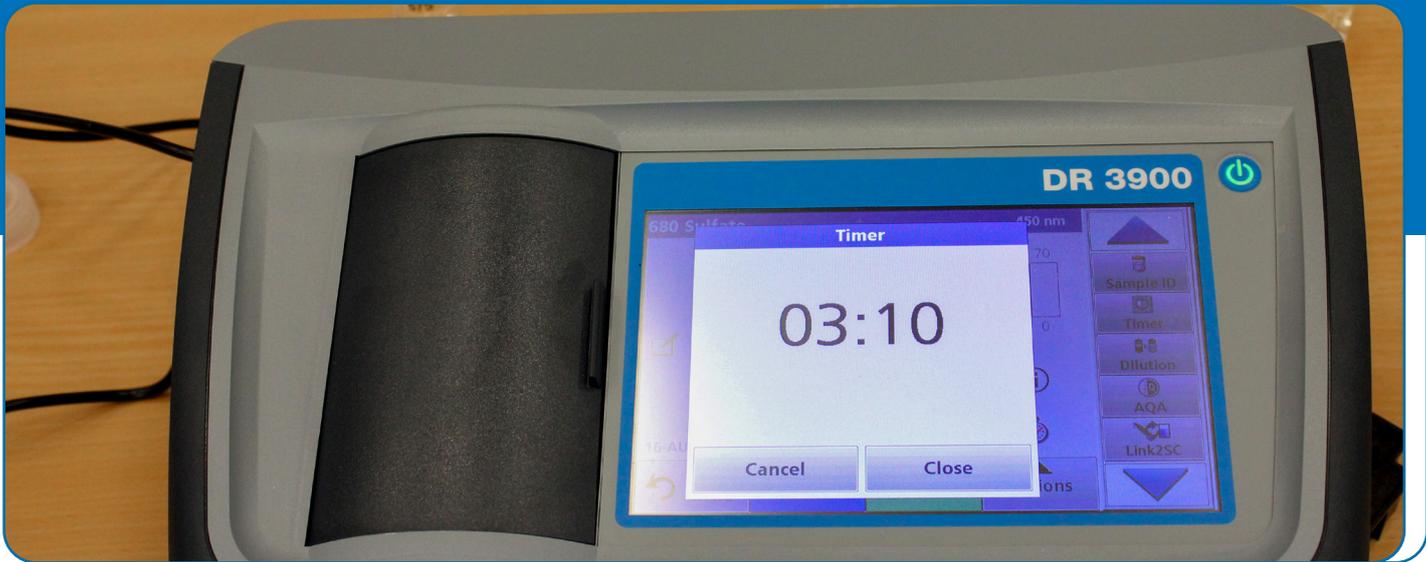
protection against landslides and flooding."

We are honored to have hosted a delegation from the Kingdom of Lesotho lead by the Minister of Agriculture, Food Security and Nutrition, Hon. Thabo Mafosi, who were on a study visit.

in collaboration with different government institutions, Security organs and local government leaders, we conducted in-depth assessment aimed at establishing sustainable solutions for Sebeya River Hazards.

We remain committed to ensuring the availability of sufficient and well-managed water resources for sustainable development, as well as to reducing soil erosion and mitigating the impacts caused by flooding and landslide risks.

DR. EMMANUEL RUKUNDO
DIRECTOR GENERAL



RWB ACQUIRES A NEW DR 3900 SPECTROPHOTOMETER

RWB has acquired a new DR 3900 spectrophotometer with 220 preprogrammed methods for water lab analysis,

This equipment enables concurrent water monitoring and simplifies sample collection and transportation.

The acquisition of this equipment was made possible through funding by the International Atomic Energy Agency as part of the project titled "Developing Capacities to Assess, Characterize, and Monitor Aquifers in the North West of Rwanda Using Isotope Hydrology Techniques."

This project is centered around the Volcano Region, encompassing the districts of Burera, Nyabihu, Rubavu, and Musanze. Its core objective is to identify viable strategies for mitigating water-related disasters such as floods and soil erosion, some of major challenges the Government of Rwanda is facing within the Volcanoes areas.

The ultimate outcome of the project will be a substantial enhancement in the capabilities

of RWB staff in the application of advanced isotope hydrology techniques.

DR 3900 spectrophotometer is an addition to existing endeavors aimed at ensuring consistent monitoring of water quality in lakes, rivers, and groundwater. These efforts encompass a variety of tools including the field Multiparameter probe, Metalysers Field Pro HM3000, and AQUA-SAFE 50PRO.



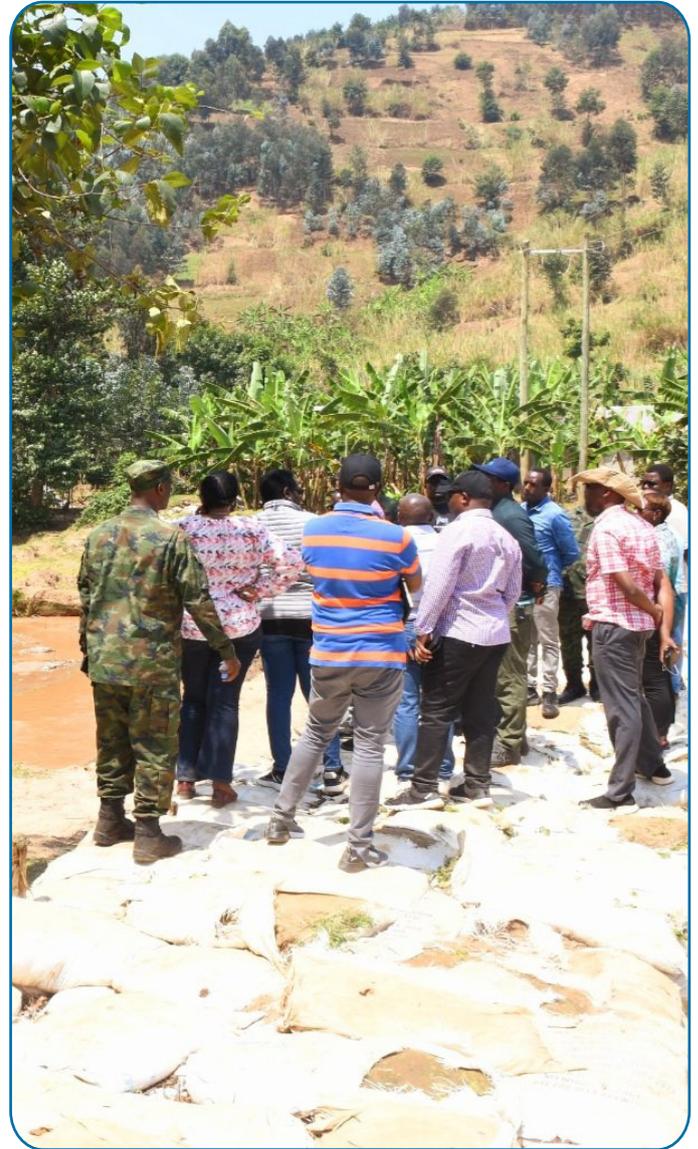
GOVERNMENT SEEKS SUSTAINABLE SOLUTIONS FOR HAZARDS POSED BY SEBEYA RIVER

16th August 2023: In collaboration with government institutions and security organs, the Director General of the Rwanda Water Resources Board, Dr. Rukundo Emmanuel, along with his technical team, conducted an in-depth assessment aimed to establish sustainable solutions for Sebeya River Hazards.

This joint team consisted of various officials from Ministry of Local Government, Ministry Of Emergency, Ministry of Environment, Security organs and local government.

Rwanda Water Resources Board technical team, closely evaluated the potential hazards that could arise from Sebeya River especially considering the forthcoming rainy season.

Sustainable measures to stop Sebeya River from threatening Rubavu residents are being developed and are under implementations.





RWB HOSTS DELEGATION FROM THE KINGDOM OF LESOTHO

16th August 2023: Rwanda Water Board (RWB) Deputy Director General, Evariste Nsabimana received a delegation from the Kingdom of Lesotho led by the Minister of Agriculture, Food Security and Nutrition, Thabo Mafosi, who were on study tour in Rwanda.

The Purpose of this visit was to benchmark on policies, laws, and strategies related to Water Resources in Rwanda, collaboration mechanisms between Rwanda Water Resources Board, the private sector, and CSOs as well as the state of water resource management for irrigation purpose.

Rwanda Water Resources Deputy Director General, Evariste Nsabimana welcomed the delegation and promised them collaboration in water related activities.

The Presentation made by the Head of Knowledge and Forecast Hub Department, Musana Segatagara Bernard, highlighted Rwanda Water Resources Board effort to mitigate flood risk through Flood control measures built in Volcanoes Region, construction of Dams, bridges, Drainage improvement in City Of Kigali and more.

Mr Musana Segatagara Bernard also explained erosion-combating efforts of RWB and highlighted the role of Catchment management plans in initiating projects that respond to major challenges like Muhazi Dyke, Sebeya Landscape restoration, Green Gicumbi, Latawama phase II etc.

The delegation from the Kingdom of Lesotho commended Rwanda Water Resources' efforts in regulating water usage through the Water Use Permit system.





RWB HOSTS INTERIM MEETING FOR “MASTER PLAN FOR WATER RESOURCES DEVELOPMENT IN MBUYE, RUHANGO DISTRICT

22nd August 2023: RWB technical team and SAMAN Corporation (Korean Consultants) conducted an interim meeting for the ongoing project titled: “Master Plan for Water Resources Development in Mbuye, Ruhango District”; which is being implemented in collaboration with Korea Environmental Industry and Technology Institute (KEITI) under the support of the Ministry of Environment of Korea.

The primary goal of this project is to assess the feasibility of developing a multipurpose dam for domestic water supply, irrigation, livestock watering and hydropower while ensuring the sustainability of the resources and building resilience against climate change and variability.

In this meeting SAMAN Corporation presented 6 identified potential sites that have been identified for developing a multipurpose dam in the study area. The project is expected to provide a final report of water resources assessment in Ururumanza sub-catchment and 2 prefeasibility study reports of potential projects to be identified.

In April 2023, Rwanda Water Resources Board and Korea Environmental Industry and Technology Institute (KEITI) signed implementation agreement for “Master Plan for Water Resources Development in Mbuye, Ruhango District”.





RWB, RP/IPRCMUSANZE, ENRHED

ERASMUS PROJECT ORGANIZE SUMMER SCHOOL 2023

In collaboration with RP/IPRC Musanze, University of Palma and EnRHED Erasmus Project, Rwanda Water Resources Board (RWB) took part in a summer school that brought together 30 professionals from both the private and public institutions, who are engaged in the civil engineering and hydro-geological fields.

The summer school of 2023 took place from 21st to 25th August 2023 in RP/IPRC Musanze under the theme "Use of software in the service of land protection against landslides and flooding."

During five days, teaching staff and professionals in the field of hydrogeology and civil engineering were trained about methods for dealing with land protection problems such as landslides and floods.

Moreover, Civil Engineers and technicians gained in-depth knowledge on the approaches, data and possible solutions to protect the territory against natural hazards.

The Participants were also introduced to different software used in tackling and solving both slope stability and flood problems.

Dr. Hussein Bizimana, Hydraulic Flood Modelling Specialist at Rwanda Water Resources Board, emphasized the necessity of technology in addressing the challenges posed by landslides and floods.

"You witnessed the hazards we encountered in May concerning landslides and floods. We lack a sufficient number of capable staff members to effectively combat these issues and develop sustainable solutions. This includes conducting studies to identify citizens residing in high-risk zones and determining appropriate relocation measures... High-risk zones can't be measured through eyes, technology is needed." Said Dr Hussein Bizimana

The 2023 summer school was the second edition of its kind and it is expected to be annual event.



MEDIA REVIEW

- Impuguke zisanga abatariye umugezi wa Sebeya na Mukungwa bagomba kwimurwa. [Soma](#)
- River Sebeya: Government revisits plan to evict vulnerable residents. [Read more](#)
- Leta yashyize umucyo ku kibazo cy'abatariye umugezi wa Sebeya bagomba kwimuka. [Soma](#)
- Bariga uko hakwirindwa inkangu n'imyuzure hifashishijwe ikoranabuhanga. [Soma](#)
- Sand mining business thrives in Western Province. [Read more](#)



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