



# Status of the Water Resources Institute

**Dr Callist Tindimugaya**

**Commissioner, Water Resources Planning and Regulation**

# Background

- Professional staff of Ministry of Water and Environment (MWE) have different backgrounds and levels of expertise due to the **specialized nature of courses** offered by universities and colleges
- Need to implement **tailor made training courses, post graduate training, induction training** for officers joining MWE and later local governments and **continuous capacity building** at an Institute to be established.
- Such an Institute would also cater for **research** in water related issues and the **dissemination of research** results through outreach activities.

# Rationale for creation of Institute

## a) Existing Systems for Research, Training and Outreach

- No specifically organized programs, infrastructures, and delegated staff for applied research, training, and outreach activities within the MWE.
- Research, Training, and Outreach activities are inbuilt into the existing structures and operations of MWE, and of the related Government and private institutions.
- The proposals in the Water Resources Management Sub-Sector Reform Study (2005) for a separate Water Resources Institute as a “central clearing house” was seen to be able to provide a solution.

## b) Framework for policy dialogue and engagement on key water sector issues

- Inadequate mechanisms for regular multi-disciplinary and multi-sectoral policy dialogue to inform sector processes and or review of the National Water Policy or Water Act and regulations
- No structured mechanism for those outside the sector (private sector, academic institutions, religious and cultural institutions, retired sector professionals, civil society, other stakeholders etc) to contribute to sector developments (applied training, research, outreach, dialogue etc ) despite the fact that they have a lot of interest, knowledge and experience

# Rationale for creation of institute (cont.)

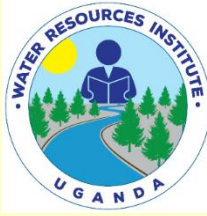
## (c) Training Programs and Facilities

- A Sector and departmental Capacity Development Strategies have been developed
- The sector is however getting more **integrated to look at broader water and related issues** right from the central level to local level and also involving various stakeholders.
- The needs in terms of **skills, mindset, practices** of MWE staff and other stakeholders are changing and so need to be addressed holistically
- There is generally a need to look at **capacity development of the sector more holistically and strategically** and put in place a mechanism for achieving it bearing in mind the cross cutting nature of the sector activities.
- The current sector set up may not be able to address broader sector strategic capacity building needs **due partly to limited resources, over stretched staff and also limited skills**
- **Opening up to the outside stakeholders** within and outside the sector could help

# Purpose of establishing a Water Resources Institute

- A semi-autonomous Institute to offer *integrated capacity building courses for officers joining the water sector in the country, conduct basic and applied research, implement outreach activities related to research and human resources development, and promote policy dialogue on water related issues.*

# Core functions



❖ Applied Research

❖ Applied Training

❖ Outreach

❖ Sector Dialogue



# Proposed set up and opportunities for collaboration and partnerships

- The **semi-autonomous Institute** will have its home in the Ministry of Water and Environment.
- The Water Institute is proposed to be an **Umbrella Institute** in Uganda but can have affiliated research or training centers to address specialized areas **e.g IREC, ATC etc**
- The WI will also partner with academic institutions, research institutions, in Uganda and beyond to enhance its capacity and outreach
- Many opportunities for **institutional collaboration and partnerships** exist and these could provide the WI a broader scope and depth of its work
- To do its work the institute will largely depend on **technical inputs and contributions** from relevant government agencies and relevant academic and research institutions
- Within the scope of existing laws, **a legal framework** will in future be needed to provide the enabling environment and the mandate for institute to do its work

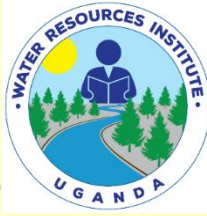
# Status of actions related to establishing the Water Resources Institute

- Principle: start small and grow with increase in resources and capacity
- Operations: depend on collaborative inputs from relevant agencies and institutions
- Set up: done using available resources (buildings, infrastructure, staff etc). Housed in new buildings of MWE in Entebbe
- Seed funding to kick start the process: obtained from FAO and Water Aid (purchased a few office and training facilities, development of road map)



# Equipment

Water Aid Uganda and FAO provided equipment (office and meeting rooms furniture, computers, projectors, stationery etc) for setting up the Institute and these were formally handed over to the Ministry. These have made it possible for the WRI to start its operations in March 2018



# Training Facilities



# Training facilities - Kyoga Hall



**Participants attend a training in one of the training hall during the water week.**



# Facilities of the institute will also include the following



- **Existing facilities**
- Water and environment Resource Centre
- Ground Water Monitoring Station
- Surface water monitoring station
- Canteen
- **Planned facilities**
- A modeling unit
- Water Museum
- Demonstration sites



# At the Institute you can access the National Water Quality Reference Laboratory



You will also see cutting edge technology like the online Oil and Gas monitoring unit



# Meteorological Station



# Water Resource Institute was lunched on the 21<sup>st</sup> March 2018 by Prime Minister, Dr. Ruhakana Rugunda.



Training	Participants
Pump testing technicians	43
Monitoring and Evaluation	45
catchment management approach and procedures	25
water governance and international water law	35

8 short trainings (1.5 hours each) were conducted, 3 dialogues were organised and 4 field visits conducted during Uganda Water and Environment Week in March 2018



# Available support to Water Resources Institute

- Received support from the World Bank through the Korea Trust Fund for 2 years amounting to **\$600,000** to support WRI. Under the support MWE will collaborate with Ministry of Infrastructure and Lands of South Korea and its affiliated institutions such as K-Water to operationalize the WRI.
- Support received from WaterAid Uganda amount to **60,000 pounds**

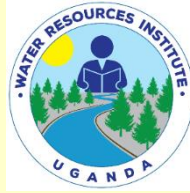
# A team from Korea at the Institute



A team from K –  
water academy in  
Korea at the  
meteorological  
station at the  
institute



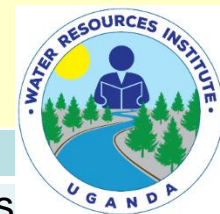
# A team from Russia Visiting the institute



**A team from  
Vodokanal of St  
Petersburg  
Russia at the  
water Resource  
Institute**

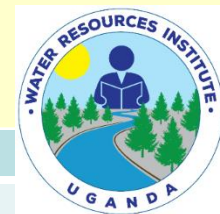


# Up-coming Trainings at the Water Resources Institute



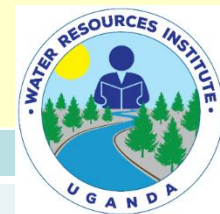
No.	Training title	Target group	Proposed dates	Organizers
1	Basic supervision procedures and techniques for borehole drilling	Hydrogeologists and Engineers	2 to 4 October 2018	Uganda Drilling Contractors Association (UDCA) and Ministry of Water and Environment (MWE)
2	Implementation of SDG6 indicators	Various stakeholders involved in implementation of water and sanitation activities	3 to 5 October 2018	Nile IWRM Net/CAPNET, Global Water Partnership, WaterAid and MWE
3	IWRM as a Tool for Adaptation to Climate Change	Various stakeholders involved in implementation of catchment based IWRM	16 to 18 October 2018	Nile IWRM Net/CAPNET and MWE

# Up-coming Trainings at the Water Resources Institute



No.	Training title	Target group	Proposed dates	Organizers
4	Effective adaptation, climate finance and innovative approaches to achieve long term ambitions	Various stakeholders involved in implementation of climate change adaptation activities	24 to 25 October 2018	International Institute for Environment and Development and MWE
5	Project Proposal writing	Relevant staff of MWE	13 to 14 November	MWE
6	Water Source Protection Planning and Implementation	Various stakeholders involved in implementation of water source protection guidelines	20 to 22 November 2018	MWE

# Up-coming Trainings at the Water Resources Institute



No.	Training title	Target group	Proposed dates	Organizers
7	Groundwater geo-potential mapping	MWE hydrogeologists	26 to 30 November 2018	UNCHR and MWE
8	Groundwater development and management for piped water supply systems	Project Engineers, and Hydrogeologists	11 to 13 December 2018	WaterAid and MWE