



**UGANDA  
W&E  
WEEK**



# THE UGANDA WATER AND ENVIRONMENT WEEK 2022



**Report**

The Water Resources Institute (WRI), which is part of the Ministry of Water and Environment (MWE) was established as part of implementation of the Water Sector Reforms and is intended to bridge the gap between theory and practice. It will profile the central position of water resources in national development with a vision of ensuring that Uganda's water resources are utilized optimally. Its core business is to be a Centre of Excellence that provides cutting edge applied research and training; delivers continuous professional skills development across all levels in water resources management and development, and serves as a neutral place for dialogue and outreach.

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## EXECUTIVE SUMMARY

The fifth Uganda Water and Environment Week 2022 (UWEWK2022) was held as a hybrid (physical and online) from 20<sup>th</sup> -25<sup>th</sup> March 2022 at the Ministry of Water and Environment (MWE) headquarters in Luzira. The UWEWK2022 was held under the overall theme, “*Water and environment for peace and socio-economic transformation of Uganda*” and four sub -themes namely: *i) Promoting peace and stability through water and environment resources; ii) Building resilience to various risks and shocks; iii) Financing water, environment and climate change; iv) Partnerships and inter-sectoral collaboration in water and environment management and development.* This is in line with Uganda’s National Development Strategy and the National Development Plan III (NDP III), achievement of middle-income status and Sustainable Development Goals. Prior to the main event several pre-event activities took place in the six regional structures of MWE in various parts of the country and a 450km pre-event walk for water, environment and climate change from Kampala to Lira city via eastern route, Clean up exercise in 4 locations within Nakawa Division (Kitintale, Port Bell, Kirombe and Luzira markets) and pastoral message in all church under the jurisdiction of Uganda Joint Christian Council (UJCC).

UWEWK2022 registered a significant increase in number of partners, participants and activities that were carried out. It continues to provide opportunities for different water and environment sector actors and other stakeholders to exchange knowledge and experiences, meet and dialogue, network and foster new thinking, and benchmark best practices within the sector while appreciating and developing solutions to the most pressing water and environment related challenges facing the country. The event in 2022 was the first to be held in the post lockdown period with relaxation in the COVID19 restrictions. However, the SOPs to control the spread of COVID 19 continued to be observed throughout the event. In this regard it was marked with limited physical participation and encouraged use of online engagement platforms like zoom, live streaming social media and live broadcast of the opening and closing ceremony. Communication and exchange were mostly through: presentations, dialoguing, speeches, video shows, posters, live links, etc. as a means to provide valuable opportunities to showcase various technologies and practices within the water and environment sector. There were several exhibitions held throughout the UWEWK2022 event and also, several pre-event activities were introduced such as sports, regional youth debates and joint church mentions, summons and pastoral letter on water and environment resources management and development.

The UWEWK2022 was officially launched by the Minister of Water and Environment-Hon. Sam Cheptoris in December 2021. The main event was officially opened on 20<sup>th</sup> March 2022 by the Vice President of Republic of Uganda Hon. Rtd. Major Jessica Alupo. The event was closed by Right Honourable. Rebecca Alitwala Kadaga, First Deputy Prime Minister and Minister for East African Affairs on Friday 25<sup>th</sup> March 2022. The main conference included several activities: Opening and closing ceremony live streamed on UBC and NBS television stations, Social Media Platforms and zoom; five keynote presentations and six dialogues on the main theme and its sub themes with 42 speakers (key note presenters and panellists); Parallel Sessions included eight applied trainings, 43 paper and 19 poster (scientific, policy and practice) presentations in relation to the overall theme and its sub-themes; 22 Side events and 42 exhibitions. Attracting 1,972 participants (661 physical and 1311 online)

The pre-event activities running from 3<sup>rd</sup> -18<sup>th</sup> March 2022 and key highlights were: the longest walk of UWEWK covering 450km walking for water, environment and climate change from MWE headquarters,

Kampala to Lira City via the eastern route; Celebration of UWEWK regional activities in 6 regional de-concentrated structures of MWE; Regional Youth Debates in 6 regional de-concentrated structures of MWE; Water and Environment Week Marathon in Fort Portal and Kampala; summon on Water and environment resources and mention of the week in all Catholic, Anglican and Orthodox churches in the country on Sunday 20<sup>th</sup> March 2022.

**Issues and recommendations from the regional pre event activities were:**

- i. There is need for NOC to support some activities and also to participate in the activities at the regional level.
- ii. Continue with the activities of tree planting beyond the event to include institutions such as schools, government or public offices, health centres and the surrounding communities to these institutions.
- iii. Enhance and strengthen collaboration between MWE and MoH and MAAIF in the next event because water and environmental issues are highly cross cutting in these sectors.
- iv. Consideration to rotate the venues within the regions for the UWEWK pre-event activities as opposed to only regional offices for equity and equal involvement of all communities within that region.
- v. It was proposed that resolution be passed to undertake clean-up exercises at least quarterly by the respective WASH task teams with support from the MWE de-concentrated structures and partners as part of the post event activity.
- vi. There is need to notify partners as early as October/November to enable them incorporate some of the UWEWK activities into their annual budgets.
- vii. There is need to involve industrial/ commercial water use developers such as Hotels /Tourist lodges, financial institutions, Electricity Distribution Companies (UMEME) among others to participate in the regional events since they are major consumers and beneficiaries of water and environment resources.

Based on the deliberations of the main UWEWK 2022 activities, the key messages that were highlighted to inform practice and policy are summarised below:

- Collect, treat and recycle domestic wastewater irrigation agricultural irrigation to reduce the load pollution into water bodies and the environment.
- Water availability is likely to be compromised due climate change, this calls for employment of water use efficiency technologies in agriculture (smart agriculture) and domestic water use.
- Education is the most powerful weapon which you can use to change Uganda and the world.
- The loss of forests and wetlands through massive use of biomass fuel for cooking/combustion combined with other drivers which include but not limited to expansion of agricultural land, rapid urbanization puts pressure on our water and environment resources and it should not continue unabated
- The army is the custodian of the second most desired commodity in the world “peace” and peace is a panacea for development.

- The climate change crisis is interconnected to peace and stability and this is the reason we need environmental justice.
- Peace is living in a safe and clean environment thus it is a duty for the state and all citizens to ensure this is achieved.
- We need to have clear understanding of the water and environment message and accountability for the resource Time isn't on our side. Let us act now.
- Water and environment should be at the centre of our national planning

## ABBREVIATIONS

|         |   |
|---------|---|
| ACODE   | Advocates Coalition for Development and Environment |
| CMPs    | Catchment management Plans                          |
| COU     | Church of Uganda                                    |
| CFR     | Central Forest Reserve                              |
| COVID19 | Corona Virus 2019                                   |
| DEA     | Directorate for Environment Affairs                 |
| DHO     | District Health officer                             |
| DLC     | District Local Government                           |
| HON.    | Honorable Member of Parliament                      |
| HQs     | Head Quarters                                       |
| GIZ     | German International Development Agency             |
| MPIFA   | Mpigi Farmers Association ()                        |
| MDAs    | Ministries, Departments and Agencies                |
| MWE     | Ministry of Water and Environment                   |
| NBS     | Next Broadcasting services                          |
| NDP3    | National Development Plan III                       |
| NPA     | National Planning Authority                         |
| NOC     | National Organizing Committee                       |
| NWSC    | National Water and Sewerage Corporation             |
| ODF     | Open Defecation Free                                |
| PPP     | Private-Public Partnerships                         |
| SDGs    | Sustainable Development Goals                       |
| SOPs    | Standard Operating Procedures                       |
| SW      | South West  |
| TASO    | The AIDS Support Organization                       |
| TBG     | Tooro Botanical Gardens                             |
| TOC     | Technical Organizing Committee                      |
| TSUs    | Technical Service Units                             |
| UBC     | Uganda Broadcasting Corporation                     |
| UPDF    | Uganda People Defence Forces                        |
| UMA     | Uganda Manufacturers Association                    |
| UN      | United Nations                                      |
| UWA     | Uganda Walkers Association                          |
| UWA     | Uganda Wildlife Authority                           |
| UWEWK   | Uganda Water and Environment Week                   |
| UWS     | Umbrella of Water and Sanitation                    |
| VHS     | Village Health Services                             |
| WiP     | Water for Production                                |
| WMZ     | Water Management Zones                              |
| WRI     | Water Resources Institute                           |
| WRPRD   | Water Resources Planning and Regulation Department  |
| WSDF    | Water and Sanitation Development Facility           |
| WSS     | Water Supply and Sanitation                         |

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## 1.0 INTRODUCTION

The 5<sup>th</sup> Uganda Water Environment Week (UWEWK 2022) was held from **Sunday 20<sup>th</sup> March to Friday 25<sup>th</sup> March 2022**. The week-long event involved annual commemoration of three important International Days: International Forest Day (March 21<sup>st</sup>), World Water Day (March 22<sup>nd</sup>) and World Meteorological Day (March 23<sup>rd</sup>). This event was intrinsically linked to NPDIII and SDGs which focus on enhancing value addition in key growth opportunities; ensuring availability of adequate and reliable quality fresh water resources for all uses, reducing human and economic loss from natural hazards and disasters, increasing incomes and employment through sustainable use and value addition to water, environment and other natural resources. This was achieved by exploring:

- Promoting peace and stability through Water and Environment resources management and development;
- Building resilience to risks and shocks caused by COVID-19, climate change and environmental degradation;
- Financing Water, Environment and Climate Change;
- And partnership and intersectional collaboration in governance, management and development of water and environment resources.

The UWEWK2022 was organized by the Ministry of Water and Environment through the Water Resources Institute with the support from partners, sponsors and stakeholders that range from academic, cultural, religious institutions, CSOs, private and public organizations, development partners, international bodies among others. This report details the activities, outcomes and recommendations of the UWEWK2022 both for regional and central events.

### 1.1 Background

Uganda Water and Environment Week (UWEWK) is a week-long annual event that is organized by Ministry of Water and Environment (MWE) through Water Resources Institute (WRI). The institute aspires to be a Centre of Excellence that provides cutting edge applied research and training; delivers continuous professional skills development across all levels in water and environment resources management and development, and serves as a neutral place for dialogue and outreach. Since inception in 2018, the UWEWK events seek to contribute towards attainment of sustainable socio-economic transformation and achieving Ugandan National Development Plan and vision 2040. UWEWK is a WRI flagship program and provides interface between sector stakeholders for

knowledge exchange, dialogue, and learning for improvement of Uganda’s water and environment resources. The event integrates physical and virtual activities that take place both prior and during the week, to engage and exchange information on water and environment management, development and use in general and across various sectors of the economy.

Deliberations and discussion of UWEWK 2022 were guided by the overall theme “[Water and Environment for peace and socio-economic transformation of Uganda](#)” with its four sub-themes that elaborated on water and environment for attainment of socio-economic transformation to middle income status as follows:

### 1. [Promoting peace and stability through water and environment resources](#)

In this regard the subtheme looked at linkages between water, environment, climate change and foreign policy. It further focused on benefits of cooperation over shared water resources, the role of improved water and environment management in fragile contexts and how water diplomacy can be a powerful tool for conflict prevention and peace building. The role of security agencies, cultural and religious institutions, media among other in fostering water and environment in promoting peace and risk reduction and conflict resolution was central to this discussion.

### 2. [Building resilience to various risks and shocks](#)

Provision of water and environment services has been affected by various risks and shocks such as COVID pandemic, climate change and environmental degradation. Ensuring that these services remain functional and deliver socio-economic benefits is a priority for Uganda. As the magnitude and complexity of the threats to water and environment resources posed by these aspects become increasingly well-understood and documented, there is increasing emphasis on more adaptive management. However, relatively little attention has been placed on building resilience to these threats so that they don’t continue to impact provision of water and environment services and their management. Climate change already does, impact on people's rights to water and sanitation by causing floods and droughts, changes in precipitation and temperature extremes that result in water scarcity, contamination of drinking water and exacerbation of the spread of disease. Climate change represents the most significant challenge of the twenty-first century and poses risks to water and environment services. Concerns for water supply include damage to infrastructure from flooding, loss of water sources due to declining rainfall and increasing demand, and changes in the water quality of water sources and within distribution chain of water, poor sanitary completion, poor operation and maintenance, and disruption of essential power systems.

Therefore this subtheme highlighted how water and environment are essential to ecosystem-based adaptation, green infrastructure and nature-based solutions to building resilience. Policy options to deal with shocks and build resilience of the people, ecosystem and the economy were discussed. Public–private partnership opportunities were explored in building resilience of water and environment systems. The sub-theme also explored overall current approaches for mitigation and adaptation to climate change through interventions for water and environment management and opportunities provided through COP 26 Commitments. The theme helped to build a case for visibility and awareness of the neglect of water and environment resources amidst various risks and shocks including COVID-19.

### 3. [Financing Water, Environment and Climate Change](#)

Uganda’s economy is dependent on its stock of environment and natural resources, requiring significant investments in water development and natural resources management if the country is to achieve its goals focusing on attainment of a middle income status. Concerns about limited and dwindling financing for water, environment

and climate change is increasingly receiving attention in the advent of heightened efforts to timely achieve the Sustainable Development Goals, and Paris Agreement and Sendai Framework. Since the start of COVID pandemic, initial signals have indicated that the funding gap is widening. In light of this, the sub-theme focused on financing opportunities for water, environment and climate change in Uganda and the role of water and environment business incubation for job, employment and wealth creation. Financing water and environment resources and interventions requires developing bankable water and environment investments, while creating jobs-such as green jobs, wealth especially for the youth and women, while ensuring sustainability of the resources. It also explored opportunities for innovative solutions to more efficient and productive development and management of water, environment and natural resources to enhance creation of employment opportunities. Governance models for sustainable financing such as the role of water and environment in implementation of Parish Development Model, through supporting economic growth through community-level initiatives such as; crop production and productivity, hydropower generation and industrialization, tourism development, health, food security, and infrastructure development was explored.

#### 4. Partnerships and inter-sectoral collaboration in water and environment management and development

This sub-theme examined the role of partnership and inter-sectoral collaboration in management and development of water and environment resources for sustainable development. It included how collaborative partnerships can improve financial resource base for water and environment sector and culturally aligned as priority area in Uganda's budgeting system. The sub-theme also presented case studies on building equitable and sustainable partnerships, success stories of collaborative intersectional partnerships among others. Discussed and evaluated various forms of partnerships such as investment; planning, monitoring and implementation; policy and regulatory; evidence generation; coordination and assess how they can be strengthened to create and sustain synergies and collective action.

##### 1.2 UWEWK2022 Goals and Objectives:

The overall goal of UWEWK2022 was to improve understanding of the role of water and environment resources in peace and socio-economic transformation of Ugandan population to a middle-income status. Specifically it focused on:

- a) The role of water and environment resources management and development in promoting peace and stability
- b) Identify approaches for building resilience to risks and shocks related to COVID-19, climate change and environmental degradation
- c) Explore opportunities for enhancing financing of water, environment and climate change programs.
- d) Deliberate on role of partnership and intersectional collaboration in governance, management and development of water and environment resources.

##### 1.3 Attendance - both physically and online Event

Considering that it was still not possible to hold a fully-fledged face-to-face event due to the prevailing COVID 19 situation, and the need to reach as many stakeholders as possible within and outside Uganda, UWEWK2022 events were held as hybrid (virtual and physical) event as follows:

The opening and closing ceremony live broadcasting on UBC and NBS television stations, live streaming on Social Media Platforms and zoom; five key note presentations and six dialogues on the main theme and its sub themes with 42 speakers (key note presenters and panellists); Parallel Sessions included eight applied trainings, 43 paper and 19 poster (scientific, policy and practice) presentations; 28 Side events and 42 exhibitions. Attracting 1972 participants (661 physical and 1311Online)



Figure 1: High level panellists from the overall theme of UWEWK2022 on opening day 20th March 2022 from left to right Ms. Elsie G. Attafuah, UNDP Resident Representative; Rev Constantine Mbonanbingi, Executive Director, UJCC, Hon. Beatrice Anywar, Minister of State for Environment, Ms Rhoda Tumusiime, Former Commissioner for Rural Economy and Agriculture, African Union Commission; Mr Alfred Okot Okidi, Permanent Secretary - MWE; Owek. Mariam Nkalubo Mayanja, Minister of Lands, Agriculture, Environment and Bulungibwansi, Buganda Kingdom and Rev. Canon William Ogeng representing the Archbishop of Church of Uganda

## 2.0 PRE-EVENT UWEWK2022 ACTIVITIES,

Pre-event activities are done as a prelude to the main UWEWK week-long event and there are meant to broaden the scope and impact of the overall UWEWK through creation of awareness and generation of public interest in the main event. It also creates a platform for most people outside the main event venue and location to get involved. The main outcomes from the regional pre event activities are an open and dynamic platform for key stakeholders and participants to enhance their capacity, advance the cause for national water, environment, sanitation, livelihood improvement and poverty reduction agenda as a whole.

The UWEWK2022 pre-event activities started on 3<sup>rd</sup> March 2022 with a flag off of walkers at the MWE headquarters and cascaded into the week of 14<sup>th</sup> - 18<sup>th</sup> March 2022 a week prior to the UWEWK-2022 event. Below is an overview of the various pre event activities which took place at various sites in the 6 regional de-concentrated structures of the MWE and those that took place at the centre:

## 2.1 MWE Regional De-Concentrated Structures UWEWK2022 Activities

The Ministry of Water and Environment has decentralised some of its functions and activities at the regional level through the establishment of 6 de-concentrated regional structures spread across the country representing the two sub sectors of water and environment; the sub sectors/departments include; i) Water for Production Regional Centre (WfP), ii) Water and Sanitation Development Facility (WSDF), iii) Umbrella of Water and Sanitation Organization, iv) Rural Water Supply Regional Centres (RWSRCs) formerly TSUs, v) Environment Affairs Regional Offices and vi) Water Management Zones (WMZ). A week prior to the UWEWK main event the MWE regional offices in partnership with other stakeholders in the respective regions organised a number of activities as a build up to the main event in line with the theme of UWEWK2022. Below is an overview of the pre event activities organised at the MWE Regional level.

## 2.2 Karamoja Regional Activities

The Water and Sanitation Development Facility- Karamoja (WSDF- K) spearheaded the preparations of the pre event activities alongside other MWE structures (Rural Water and Sanitation Regional Centre-2, Dress Project of Kyoga Water Management Zone, Umbrella of Water and Sanitation-Karamoja, Water for Production Regional Center -Karamoja (WfPRC-K), National Forestry Authority (NFA)-Moroto and Kaabong. The regional event was organised in collaboration with the regional partners such as; Welthunger Hilfie, World Vision, Save The Children, Whave Solutions, C&D, Mercy Corps, Kaarenga DLG, Moroto DLG, Abim DLG, Centenary Bank (Moroto), MTN Uganda (Moroto) and City Friends Hotel Ltd.

**Table 1: Summary of North - Eastern Regional -UWEWK2022 Activities.**

### Pre event activities that were held in the Karamoja Region

Publicity campaigns, including use of electronic media, social media platforms and promotional materials prior to the event;

3 Radio Talk shows on 3 local radio stations the listenership of about 450 -500 persons

Home improvement campaigns & cleaning up of the areas (Rupa and Obalangit TC in Moroto and Karenga respectively) as part of commemorating the sanitation week; A total of 100 participants participated in the final awards giving meeting/ceremony

Tree planting in Tafua valley dam water source protection -a total of 30 Neem tree & 20 Mousemia species around the dam & a total of 30 people participated in the awareness raising and tree planting exercise.

Borehole Rehabilitation & sensor installation to monitor the functionality of the boreholes, to monitor and establish the quantity of water pumped or used/consumed by the community and finally to monitor the borehole ground level.

Verification of Open Defecation Free (ODF) Village in Lodapal village Lobalangit sub county & Karenga Districts

Inspection and handover of the Morulem piped water supply system a total 30 people participated in the technical inspection (25 males and 5 females).

Exhibition and parade/matching in Lobalangit, Karenga solicited the participation of a cross section of stakeholders including UPDF, the nurses, schools, NGOs, government departments.



Figure 2: Activities carried out in Karamoja region to mark UWEWK2022 in pictures

### 2.3 Northern Regional Water and Environment Week Activities

The Ministry of Water and Environment regional entities Northern chapter in partnership with the Uganda Walkers' Association and other key stakeholders organized the Northern Region Water and Environment Week that took place from 14<sup>th</sup> – 18<sup>th</sup> March 2022 with the main celebrations in Dokolo District and Lira City.



Figure 3: The Director, DWRM Dr Florence Grace Adongo, chair UWEWK- NOC at the last leg of the 450km Walk for Water, Environment and Climate Change in Lira City

The participants included the MWE Northern region entities (Upper Nile Water Management Zone, Water for Production Regional Centre North, Water and Sanitation Development Facility - North, Rural Water and

Sanitation Regional Center 1 ,Wetlands Department, NEMA, Forestry Department - North ,Northern Umbrella of Water and Sanitation,) with key partners including Uganda Prisons Service, Uganda Police, CARE International, IUCN, Ngetta Zardi NARO Institute, UNRA, DFCU Bank, ABSA Bank, Total fuel station lubricants-lira, Gum blessings , Devine Waters, Wash Alliance, NFA, Lira University, NWSC, MECPA, Lira City Council, Dokolo District Local Government, Lira District Local Government and the general public participated in various activities.

| Activity  | Leading Partners   | Remarks   |
|---|--|---|
| <b>Radio talk Shows</b>   | MWE regional offices/Lira city council   |   |
| <b>Engaging schools and institutions to participate in debates - over 400 learners took part.</b> | MWE regional offices/Schools' Leadership/Youth Go green<br>MWE regional offices/Dokolo district leadership | Secondary schools and universities participated in the debate |
| <b>Clean up in Dokolo</b>   | MWE regional offices/Lira DLG/walkers  |   |
| <b>Visiting Odeye small irrigation system and Olweny wetland</b>                                  | WFP/Walkers  |   |
| <b>Visit NWSC abstraction point L.Kwania flooding extents and monitoring station brief</b>        | UNWMZ, NWSC, and the walkers   |   |
| <b>Tree planting at Hasa memorial school</b>  | NFA, MWE and the walkers   |   |
| <b>Radio talk show</b>  | MWE regional Office, NWSC, Lira City   |   |
| <b>procession</b>   | MWE regional office, Uganda police, schools & all partners   |   |
| <b>Clean up exercise</b>  | MWE regional office, Uganda police, schools and all partners   |   |
| <b>Greening lira city</b>   | MWE regional office, Uganda police, schools, Lira city and all partners                                    |   |
| <b>Exhibition and closing event</b>   | MWE regional office, Uganda police, schools, Lira city and all partners                                    |   |





Figure 4: Plate 1- Representative from NARO exhibiting value addition products from Ngetta Zhadi and plate 2- Team leader Upper Nile Water Management Zone, Musota watering Persia americana (Avocado) after planting at Odeye small scale irrigation scheme adjacent to Olweny wetland system in Dokolo District

## 2.4 Central Regional Uganda Water and Environment Week Activities

The Central regional activities included the following stakeholders; MWE regional structures, Kassanda District (political and technical staff, Buganda Kingdom team from Busiro, Gomba, Buwekula and Ssinga Counties, Kassanda South Area MP, NGOs namely Transparency International Uganda, UWASNET, Joint Christian Council grassroots teams, Busiro Youth, Wells of Life, Water Compass, ROOTs Campaign Team, Mityana – Mubende Media Association, Uganda Prisons Service – Myanzi, ICEA Group, Myanzi Schools Go Green, Ndugu Youth Empowerment Group, Blue Conserv Africa with Save the Planet grassroots campaign team, Radio Mboona FM, Nkobazambogo Youth, Tree Adoption Uganda and Smart Cities Advocacy Group.



Figure 5: Buganda Kingdom community leaders engage in activities that address climate change as one of pre-event of UWEWK2022

Buganda Kingdom participated in a number of pre event activities ranging from Radio talk shows, clean up exercise /bulungi bwansi and tree planting in the following areas; Kampala, Mukono and Myanzi. Buganda Kingdom utilised their Cultural institutional structure mainly because it has a large following and people believe in the governing structure, thus have the capacity to mobilise grass-root communities into action for positive change.

Buganda Kingdom held its main Regional pre event in Myanzi , Kassanda District on the 23rd of March under sub-theme number 4: *Partnership and Inter – Sectoral Collaborations in Governance, Management and Development of Water and Environment Resources*

| Date       | Time     | Activity  | Person responsible                               |
|------------|----------|---|--|
| 22nd March | 11.00 am | Trees arrive on site Kigalama Konteyina village | Mutuba Musaava, LC III Chairman and SMU Chairman |

|                   |                    |  |  |
|-------------------|--------------------|--|--|
|                   | 11:30 am           | Start of Tree planting at Konteyina village Kigalama and Myanzi Schools  | Mutuba Musaava, LC III Chairman and SMU Chairman                       |
|                   | 2:30 PM            | Field Visit to Bugolo Community  |  |
|                   | 6:30 PM            | Radio Program Mbona FM – TIU, LC 3 Chairman Myanzi, Mutuba Musaavu and MoWE Official                           | BB Board / Media team  |
| <b>23rd March</b> | 7:30 am – 11:00 am | Tree planting and Bulungibwansi Drive by all at all sites  | Community Team Leaders   |
| <b>23rd March</b> | 11:00 am           | Brass Band March Past / Bizonto Crew from Kigalama Konteyina village through Kigalama town to Myanzi town main | Mutuba Musaava<br>OC Traffic and ROC Committee<br>MC and ROC Committee |
|                   | 12:00noon          | Main Program Speeches & Entertainments   |  |

### 2.5 Eastern Region pre-event activities

The Eastern regional pre-event activities were held a lot earlier from 7<sup>th</sup> - 13<sup>th</sup> March 2022 in order to coincide with the “*Walk for Water, Environment and Climate Change*”. The walkers arrived in the Eastern region on 8<sup>th</sup> March 2022. The activities were spearheaded by the MWE de-concentrated structures and funded by the following institutions; i) MWE de-concentrated structures, ii) NWSC, iii) NFA, iv) Soroti city, v) Mbale city, vi) Namutumba T.C & L.G, vii) Red Cross Iganga, viii) Busoga Kingdom and ix) Aid Environment. Below is an overview of the activities carried out and the stakeholders involved:

| Date/day   | Activity & Place   | Lead agencies   |
|--|--|---|
| <b>7<sup>th</sup> March 2022</b>                   | Radio talk show on took place on Step FM with wide listenership in the region to raise awareness about UWEWK2022 took place in Mbale city                                      | MWE Eastern region de-concentrated staff  |
| <b>8<sup>th</sup> - 15<sup>th</sup> March 2022</b> | Walk/ matching with the walkers through each of the LG on the walkers route to lira beginning from Namutumba, Kibuku, Mbale was spearheaded by the RDC, as the chief walker    | LCV, CAO of Namutumba, Busoga kingdom, learners from primary, secondary and tertiary institutions |
|  | Launch of a service office in Tirinyi T.C. Kibuku L.G. Eastern Umbrella. The office within close vicinity ensures timely response to any challenges in WASH service provision. | Eastern Umbrella of Water and Sanitation  |
| <b>8<sup>th</sup> - 15<sup>th</sup> March 2022</b> | Ceremonial tree planting in Namutumba, Kibuku, Mbale, Bukedea  |   |

|                                   |   |               |
|-----------------------------------|---|---------------|
| <b>9<sup>th</sup> March 2022</b>  | Visit to Limoto small irrigation scheme,  |               |
| <b>10<sup>th</sup> March 2022</b> | Exploring water supply systems experience with shocks based on the Bukedea water supply system managed by NWSC - the well is at the boundary of a wetland which is severely degraded. | NWSC Bukedea, |
| <b>11<sup>th</sup> March 2022</b> | Visit to Amagoro women's group in Kumi involved in climate change resilience activities - construction of energy cooking stoves   | KWMZ          |
| <b>12<sup>th</sup> March 2022</b> | Visit to Awoja piped water system and Awoja solar powered SSI   |               |
| <b>13<sup>th</sup> March 2022</b> | Cleaning around Soroti central market   |               |



Figure 6: Some of the UWEWK2022 activities held in Eastern Region in pictures

## 2.6 South Western Regional pre event activities

This year's 5<sup>th</sup> UWEWK2022 for the South Western region was held in Kabale and the pre-event activities commenced on 15<sup>th</sup> March 2022. It was supported with the following stakeholders; MWE/ regional de-concentrated structures, Kabale district Local government, GIZ-Support to Water in Kabale DLG, AMREF-Fort Portal office, Uganda Red Cross -Kabale Office, Kabale University main Campus, Kigezi Women in Development (KWID), Excel Hort Consult(U) Ltd, Brainstorm High School, DFCU Bank, MAAIF/ZARDI. It was attended by the government official, regional and central, Loheneral public

The two objectives of the pre-event activities were: i) raising awareness on the fragility of the environment and the importance of its protection and conservation., ii) explaining to stakeholders the rationale of the UWEWK in general and UWEWK2022.

| Pre event activity       | Rationale   |
|--------------------------|---|
| <b>Radio/TV shows</b>    | Awareness raising and mobilization through radio and TV talk shows. In total one TV talk show (TV west) and 2 radio talk shows (UBC Radio West and Voice of Kigezi) were held.  |
| <b>Parade/matching</b>   | Parade/ marching through Kabale Town led by Brainstorm High School brass band,  |
| <b>Tree planting</b>     | Demonstrating how to plant trees as well as share the environmental benefits for tree planting such as cleaning the air, creation of windbreaks.  |
| <b>Clean up exercise</b> | Cleaning of Kabale Central  |
| <b>Symposium</b>         | Symposium at Kabale University brought together stakeholders ranging from students, banking sector, academicians, private sector, students, local government, MWE to discuss and dialogue of the issues of water and environment protection and conservation for sustainable development of the region. |
| <b>Mini exhibition</b>   | Mini- exhibition at Kabale University as part of the symposium  |
| <b>Football match</b>    | Football can be a key tool to mobilize and motivate the youth of a society. The rationale was to encourage the youth to look beyond sport as simply a fun activity and to use it as way to promote protection of the environment.   |

The MWE in conjunction with Kabale University and its development partners organized a symposium with a view of students and participants to understand that Water and environment resources is very important for maintaining an adequate food supply and a productive environment for the all living organisms. As human populations and economies grow, global freshwater demand has been increasing rapidly. In addition to threatening the human food supply, water shortages severely reduce biodiversity in both aquatic and terrestrial ecosystems the negative effects of global population increase, climate change impacts, and lifestyle changes are exerting growing pressures upon our vital water resources leading to widespread water stress in many areas. As a result, there is growing realization of the urgent need to conserve water. Considering that water is essential to life because

it heavily influences public health and living standard. However, water is unequally distributed throughout the world. Water is a very important required substance in order to sustain vital activities of human such as nutrition, respiration, circulation, excretion and reproduction. In addition water is also a life space as well as being one of the basic substances in the formation of life environment these were the key elements that that the debate targeted.



**Figure 7: The Vice chancellor, Kabale University, Prof. Joy Kwesiga, Prof. Alex Ariho and Team leader, VWMZ; Mr Louis Mugisha addressing the participants during the symposium**

### **Key messages and issues**

Uganda’s aspiration to improve the quality of life at household level is imbedded in NDPIII. Moving of economy money to parishes to will enhance both production and social protection. However, there is need to conceptualize environmental protection for sustainable development, especially in light of the growing population and rapid urbanization. In regard to sustainability, the country needs to pursue green industrialization, green agri-business, renewable energy, and environment friendly health care and tourism. It is also crucial to invest in community participation as mechanism for disaster preparedness and heritage tourism.

The panel discussion further appealed for more research to address the emerging challenges such as climate change, water variability, and environmental degradation among others. However emphasized the need to bring women and the youth in order to push this agenda forward since these are key in bringing food to the table and are source of conflict if not managed properly.

Kabale University has introduced more programs in the water and environment field to enable students get more exposure and learn more in water and environment related fields.

For water security to be ensured, the following issues need to be put in consideration by the stakeholders: Although water is often taken for granted it is important for human well-being and goes beyond domestic use to irrigation, livestock, fisheries, health, and tourism etc.

There is need to discuss water within the framework of the hydrological cycle; connect/link water with forests, wetlands, climate change (floods and droughts) if the SDG for water is to achieve its intended objectives.

The participants were told that water can be a source of conflict but can also be a source of cooperation. He explained that water can cause wars if not well managed well. Water is linked to human welfare, economic transformation environmental sustainability.

Water Security and Energy Security are interlinked as water is needed to generate energy and energy is needed to deliver water.

Emphasized that you cannot talk about peace and security in homes without putting water into considerations.

Noticed that the available empirical information on contribution of water to economic development needs to be captured in the report so that the linkages between water security, energy security, food security and environmental security can be appreciated.

Finally, the professor requested the symposium organizers to ensure that the outcomes of the consultations should be shared with all the stakeholders so as to demonstrate the value of investing in water resources development and management.

The event brought together key stakeholders in the Water and Environment sector. And provided an opportunity for exposure and exchange of views, experiences, and practices as well as benchmarking among scientific, business, policy and civic communities.

Valuable networking and information sharing opportunity to showcase water supply, rainwater harvesting, irrigation, groundwater development and environmental resources products and services to UWEWK, guests and communities was enhanced.

## 2.7 Albertine regional pre event activities

The Albert Water Management Zone (AWMZ) spearheaded the preparations of the 5<sup>th</sup> Uganda Water and Environment Week (UWEWK 2022) alongside other MWE structures (Rural Water and Sanitation Regional Centre-5, LEAF II Project, Mid-Western Umbrella of Water and Sanitation, and Urban Water and Sanitation Development Facility).



The regional event was organised in collaboration with the regional partners such as; Tooro Kingdom, Turikumwe, HEWASA (Health Through Water and Sanitation), Join for Water, IRC-International Water and Sanitation Resource Center, Water for People, CARE International, Rwenzori Aid, Obusinga bwa Rwenzururu kingdom, Tooro Botanical Gardens (TBG), World Wide Fund (WWF) for Nature, OXFAM, AVIS, LWF ADRA, FINISH, AMREF, CARITAS, Nkoma Katalyebwa TC, OXFAM, AVIS, LWF AAID, Mubuku Integrated Farmers Association, NRD (Natural Resources Defense Initiative), RDC

Kasese, Mayor Kasese Municipality, Deputy Prime Minister Obusinga Bwa Rwenzururu, Bishop Rwenzori diocese, UWA, CAO, Ass Commissioner MWE/DWRM, MWE/AWMZ staff, LC3 chairpersons, the 3 contractors (MIFA, NRD and WWF), students from various secondary schools, Kabarole DLG, Kasese DLG, Kamwenge DLG, Centenary Bank, Rwenzori WASH media, community members among other stakeholders among others.

The objective for regional pre event activities is to raise awareness on water and environment resources management and development as well as to broaden the scope and impact of the overall UWEWK2022.

The regional Water and Environment Week activities provide an open and dynamic platform for key stakeholders and participants to enhance their capacity, advancing the cause for water, environment, sanitation, livelihood improvement and poverty reduction agenda.

The activities took place from 13<sup>th</sup> - 20<sup>th</sup> March 2022. Below is the overview of the activities;

| Pre event activity   | Rationale   |
|--|---|
| <b>Radio talk shows</b>  | The region thus held 11 radio talk shows across 7 Radio stations; Voice of Tooro (VOT), Mountains of the Moon University radio (MMU), KRC Radio, Life FM, Jubilee, Unique FM and Nyumbani FM. About 40% of the Albertine region population was reached through the radio talk shows.  |
| <b>Football match between Busoro and Rwengaju S/counties in Kabarole District</b>  | The objective was to raise awareness about UWEWK as well as commemoration of the international sanitation week activities and to promote physical fitness. It was attended by about 300 people  |
| <b>Home Improvement campaign and Cleaning of Kaswa T/C in Busoro Sub County Kabarole district</b>  | A clean-up exercise and a dialogue to raise awareness of proper hygiene and sanitation. In addition, drama skits and dances were part of the awareness campaign. This activity was attended by about 200 participants.  |
| <b>Awareness of water resource protection</b>  | The activity's objective was to raise awareness of water source protection as a sustainable measure towards attaining adequate quality and quantity of the water resources and thus minimising water treatment costs. The activity was attended by 250 participants.  |
| <b>Tree planting in Kyakatuli Village in Nyakisi S/C Kyenjojo district</b><br><b>Tree planting in Nyakasanga and Nyamwamba river banks in Kasese district</b><br><b>Tree planting in Kamwenge</b><br><b>Supply of tree seedlings to St Lwanga Catholic church.</b> | The objective of the tree planting activity was to raise awareness on the benefits of tree planting/growing, these are; <ul style="list-style-type: none"> <li>- It is a source of oxygen for all living organisms.</li> <li>- It helps in forming rain that provides water for the ecosystem and humans.</li> <li>- Acts as windbreaks on building structures</li> <li>- It is a source of energy like firewood</li> <li>- It is a source of building materials like poles and timbers etc</li> </ul> 500 people participated in the tree planting exercise in Kasese district <ul style="list-style-type: none"> <li>- St Charles Lwanga, a catholic church that borders R. Mpanga was given 200 tree seedlings. This was aimed at protecting the riverbanks and reducing the siltation of the river system. Aabout 130 participants took part in the exercise</li> </ul> |
| <b>Debates for the University and Secondary School Students under the theme</b>  | The 1 <sup>st</sup> university debate competition in the country. Four Universities and 4 secondary schools participated in the competition.  |

|   |  |
|---|--|
| <p><i>"Water Conservation: A necessity of the present to secure the future". The debate question was: "Is it climate change or bad water governance". Secondary schools debate topic was "Man Has Done More Harm than Good on Water and Environment".</i></p> | <p>The best would then be selected for the grand finale in Kampala on the 25<sup>th</sup> of March 2022. There were 200 participants in the debate in Kabarole district and 300 in Bunyangabu districts.</p> <p>There was a debate in Kamwenge district <b>emphasis was on the role of</b> debate in influencing policy change and that debaters are ambassadors of mitigating the impacts of climate change.</p>  |
| <p><b>Clean up Exercise of Fort Portal City</b></p>   | <p>The objective of the clean-up exercise was to highlight the dangers of poor solid waste management its impact on the quality of water in R. Mpanga, yet this river system is like the umbilical code of the 5 districts, which depends on its water and ecological benefits. About 150 people participated in the clean-up exercise.</p>  |
| <p><b>Exhibition</b></p>  | <p>Exhibitions of appropriate technologies in the following;</p> <ul style="list-style-type: none"> <li>-Energy-saving charcoal/ briquettes that last longer and cost-effective</li> <li>-Solar systems are used as a source of energy for cooking</li> <li>-Machine for emptying latrines and septic tanks, both manual and motorised.</li> </ul>   |
| <p><b>Marathon code names "SAVE RIVER MPANGA MARATHON"</b></p>  | <p>The main objective of the marathon was to create awareness of the importance of preserving river Mpanga and a long-term goal of planting 10 million trees for social and economic development.</p> <p>The marathon was organised in 5, 10 and 21 Km routes and participation along these routes depended on participants' choice.</p> <p>Emphasis was made on the need for everyone to police each other so that we are guaranteed of safe, clean, water and environmental conservation for today and generations to come.</p> <p>Over 400 people participated in the marathon to conclude Albertine events on Sunday 20<sup>th</sup> March 2022.</p> |
| <p><b>Commissioning of a safely managed toilet at Buhara primary school in Kamwenge</b></p>   | <p>The construction of the sanitation facility will improve the hygiene of school children and eventually prevent the diseases like typhoid, cholera, dysentery, and others.</p>   |





**Figure 8: School children celebrating the commissioning of safely managed latrine at Buhara primary School and some of the runners in marathon**

### **The outcomes and recommendations from Albertine Regional UWEWK2022**

A resolution to have clean-up exercise carried out at least quarterly by the respective WASH task teams with support from the MWE de-concentrated structures and partners was generated. The Partners include: MWE/AWMZ, RWSU5, IRC, HEWASA, PROTOS – Join for Water, JESE, NRDI, KYANINGA FOREST FOUNDATION, F/Portal city and Traders among others.

Everyone has a role in the management of water and environment resources. We should each be the critical change agents in ensuring the quality and quantity of water is safeguarded for the current and future generations. In this case, the Albertine Region UWEWK2022 involved pupils, students, youth and women groups, industrialists, police, army, local government and communities in all activities of the week.

### **The UWEWK2022 Outcomes from the regional celebrations**

- Awareness creation on the MWE mandate was successfully done,
- Awareness creation on the concept of UWEWK2022, its goal and objectives as well as their link to the NDPIII and SDGs
- The event brought together key stakeholders in the Water and Environment sector. And provided an opportunity for exposure and exchange of views, experiences, and practices as well as benchmarking among scientific, business, policy and civic communities.
- Valuable networking and information sharing opportunity to showcase water supply, rainwater harvesting, irrigation, groundwater development and environmental resources products and services to UWEWK, guests and communities was enhanced.
- There was good and effective community engagement during the implementation of the various pre event activities such as clean-up exercise, radio talk shows, inspection of water facilities and ODF verification,
- Realization of the gaps in the implementation of the sanitation approaches like ODF, CLTS, etc.
- Communities sensitized on the importance and impacts of tree planting (forest cover restoration) to conservation and protection of the environment in relation to adaptation and climate change resilience.
- Innovations such as the use of borehole sensors for groundwater management and monitoring using was shared. The district local government promised to adopt the technology and hopefully to start using it from the next financial year.

## The UWEWK2022 Recommendations from Regional Celebrations

- i. There is need for NOC to support some of the critical activities and also to participate in the regional activities.
- ii. Continue with the activities of tree planting beyond the event to include institutions i.e. schools, government or public offices, health centres and the surrounding communities to these institutions.
- iii. Collaboration among MWE, MoH and MAAIF should be strengthened in the next event because water and environmental issues are highly cross cutting in these sectors.
- iv. Consideration to rotate the venues within the regions for the UWEWK pre event activities as opposed to the regional offices/headquarters for equity and equal involvement of all communities within that region.
- v. It was proposed that a resolution be passed to undertake clean-up exercises at least quarterly by the respective WASH task teams with support from the MWE de-concentrated structures and partners as part of the post event activities.
- vi. There is need to notify partners as early as October/November to enable them to incorporate some of the UWEWK activities into their annual budgets.
- vii. There is need to involve industrial and commercial water users such as Hotels /Tourist lodges, financial institutions, Electricity Distribution Companies (UMEME) among others to participate in the regional events since they are major consumers /beneficiaries of water and environment resources.



Figure 9: Nakawa Division local communities, religious leaders, KCCA staff and MWE staff in Kiroombe Market one of the sites for the national cleaning up exercise

## 2.8 National level pre event activities

### 2.8.1 Walk for Water, Environment and Climate Change

MWE in partnership with Walkers Association of Uganda (WAU) and other partners, and within the framework of UWEWK2022 undertook a 450km, fourth Walk for Water, Environment, and Climate Change from the MWE headquarters in Luzira, Kampala via the Eastern route to Lira City from 3<sup>rd</sup> to 18<sup>th</sup> March 2022 trekking a

distance of approximately 450 Km. The route that started from Kampala covered the districts of Mukono, Buikwe, Jinja, Mayuge, Iganga, Namutumba, Paliisa, , Budaka, Mbale, Bukedea, Kumi, Soroti, Karachi, , Dokolo and Lira with the final destination at Mayor’s gardens in Lira City where the celebrations to mark the end of walk were held on 18<sup>th</sup> March 2022. The walk had several stop overs along the route. Along these stopovers, the walkers were able to interact and raise awareness in relation to water and environment resources management, conservation, protection, restoration and development, specifically highlighted the impacts of deforestation and wetland degradation, pollution and over exploitation of water resources for transformation of livelihoods to middle income status. The stakeholders involved include local government officials (LCs, RDCs, CAOs, RCCs DEOs, DFOs, and DWOs etc.), religious leaders and parishioners, Buganda and Busoga kingdoms officials among others. The last leg of the walk in Lira city was graced the Dr. Florence Grace Adongo, Director DWRM also chair NOC, Mr Otul Sam, Mayor Lira City and the Chief Guest Mr Egole Lawrence (RCC) Lira City.

A total of twenty-six thousand and twenty-three (26,023) tree seedlings were planted during the walk for water, environment, and climate change. These seedlings included; *Ornamentals*, fruit trees like *Mangoes*, *Avocados*, *Grevillea robusta*, and indigenous species like *Mahogany*, *Prunus africana*, *Mesoposis eminii*, *Aferzalia africana*, *Terminalia superba*, *Bamboo*, *Mella volkensii*, *Markhamia lutea*, *Albizia chinensis*, and *Azadirachta indica*.

In collaboration with MWE, the following partners and sponsors supported the 450 km walk: Agroforestry, National Forestry Authority, Care International, and , Bio vision Africa, NWSC, Total Energies, DFCU, Pearl Dairy Farms Limited, Buganda Kingdom, Church of Uganda, Globe Nature Consults, Busoga Kingdom, UBC, NBS, Bukedde, New Vision, Roofings Limited, UMA and WWF.



**Figure 10: Flagging off Walkers at MWE headquarters by Hon. Aisha Ssekindi, Minister of State for Water, Owek. Mariam Nkalubo Mayanja, Minister of Lands, Agriculture, Environment and Bulungibwansi, Buganda Kingdom and in Mukono by Hon. Gganzi Stephen**

Appreciation goes to National Water and Sewerage Cooperation, Total Energies, DFCU, Pearl Dairy Farms Limited, Buganda Kingdom, Church of Uganda, Globe Nature Consults, Busoga Kingdom, UBC, NBS, Bukedde, New Vision, Roofings Limited, UMA and WWF that tirelessly worked with MWE and Walkers Association Uganda for the success of the event.

Finally, as we continue to conserve our Water and Environment Resources, let us always remember to monitor our actions, including monitoring of interventions, for the best.



Figure 11: Some of the activities that were carried out during the 450km walk from Kampala to Lira City

## Recommendations from the walk

Need to come up with a Monitoring Strategy for all the activities done during UWEWK in order to inform policy.

More support should be extended to the districts hosting the walkers in form of financial resources and technical backstopping so that they can effectively do mobilization and reach out to the different stakeholders with in their respective districts.

Need to have piped water in the twenty (20) villages in Tirinyi – Kibuku districts.

Need to make payments to the water user committee bank account. They are no longer receiving 5% of their money. It's now three (3) months.

Route mapping exercise should be conducted early enough and GPS collected to ascertain where the chief walkers and planters can do ceremonial tree planting in order to avoid instances where districts keep changing the proposed venues.

Ministry of Water and Environment together with the district leadership of the host districts should carry out radio talk shows on local radio stations with in the respective districts by sensitizing the local communities and creating awareness about water environment, climate change. In some districts, this didn't take place due to lack of finances.

While raising awareness for water, environment and climate change, Ugandans should be encouraged to plant indigenous trees for more carbon absorption in the future and where they are likely to benefit from the sale of carbon alongside other uses.

All Relevant information including concept notes for Uganda Water and Environment Week and the walk for a specific year should be shared with the host districts prior to the walk to ease their communication.

### 2.8.2 The National clean up exercise in Nakawa Division, Kampala

The Kampala clean up exercise took place on 18<sup>th</sup> March 2022 in 4 locations within Nakawa Division in the areas neighbouring MWE headquarters. The clean up exercise targeted the general public with emphasis on the local communities, local leaders, division local governments, industries, Uganda prison schools and the stakeholders operating in the 4 markets of: i) Luzira, ii) Kirombe, iii) Port Bell and iv) Kitintale and their surrounding areas. The overall coordination of the clean-up was the MWE through the NOC within the framework of UWEWK2022, KCCA and Nakawa Division local government.

The goal of the clean-up exercise in Luzira Town Council was to raise awareness and explore of the role of water and environment resources for peace and socio-economic transformation of Uganda with specific objectives:

- i. Creating awareness and need for efficient and sustainable management and use of water and environment resources
- ii. Proper sanitation and hygiene for communities, water and environment pollution control
- iii. Sustainable solid waste management and maintenance of the cleanliness of the environment
- iv. Increasing visibility of the Ministry of Water and Environment, UWEWK among the neighbouring communities

The clean-up exercise attracted a range of partners and sponsors namely: Nile Breweries Limited, NWSC, NGOs, Muluka chief of Buganda Kingdom and others official from Buganda Kingdom, the Head of UJCC, Schools, the hosting Local Council leaders, the Area MP (Hon. Balimweso), Nakawa Division Mayor, the traders and the general public. Over 500 persons participated in the 4 locations within Nakawa Division that included market

vendors, MWE staff, NWSC staff, KCCA officials, local leaders from various LCs, local government officials from Nakawa Division, students and learners from schools within the area, private sector officials among others.

NWSC in collaboration with MWE took the lead in the cleaning and raising awareness in management and development of water and environment resources with focus on sustainable water supply, sewerage management and pollution control in Kitintale area. And here the exercise was joined by the area MP, Hon. Balimumweso and Division Mayor.



**Figure 12: Plate showing cleaning and community mobilization exercise in Kitintale Market, Nakawa Division**

The MWE and partners provided cleaning materials and equipment such as wheel barrows, Rakes, spades, gloves brooms etc. while KCCA Nakawa Division solid waste management teams (tweyogye) provided garbage collection trucks.



**Figure 13: Plate showing several areas where cleaning was undertaken during the clean-up exercise on 18<sup>th</sup> March 2022**

The outcomes and recommendations from clean-up exercise in the 4 locations include:

- i. The need for everyone to engage themselves in protecting the environment and water resource through promote sanitation in their homes, the surrounding areas aand proper waste disposal,
- ii. The dangers of discharging heavy metals in the water resources and the health risks in ingesting them as well as the cost implications of treating such water,
- iii. Appreciated the involvement of the politicians and media as opposed to only the technical staff in order to reach out to the community members and improved publicity,

- iv. Implored the MWE and NWSC to reduce on the water costs and connection fees for it to be affordable for everyone - the current costs are prohibitive,
- v. The need for regular provision of transport for the solid waste in the community/markets.
- vi. Ecosystems should be preserved and the current catastrophes such as flooding and the sanitation disease outbreaks should be awake up call for everyone to raise up and fight for the conservation and management of the environment.
- vii. The polluter pay principle was emphasised as a means to combat and reduce pollution to the water and environment limited financial and human capacity in the districts to monitor and enforce the prevailing environmental laws.



Figure 14: Plate showing communities and MWE staff undertaking the cleaning exercise

#### 2.8.4 National Youth Debate –Regional and central

The UWEWK has several preliminary events such as the National Youth Debate Tournament organized in collaboration with Youth Go Green. The National Youth Debate Tournament sets a great milestone towards the involvement of young people in the concerted effort of protecting Environmental and Water Resources. The UWEWK seeks to contribute to the attainment of the sustainable socio-economic transformation, Uganda National Development Plan and Vision 2040. This year for the first time in its history the Youth Go Green in collaboration with the regional de-concentrated structures of MWE organized and carried out in five regional Uganda from March 15-21, 2022. The regions included:

- Western (Albertine region): March 15, 2022: Youth Center, Fort Portal City
- Eastern Region: March 16, 2022: IUIU Mbale City
- Northern Region: March 17, 2022: Gulu University
- Western Region: March 18, 2022: Kabale University
- Central region: March 21, 2022: Makerere University Business School (MUBS Nakawa)

The Debates included participants from both Universities and Secondary schools thus “Youth Debate-Interuniversity and Schools category.” The theme for the debates was “Water Conservation: A necessity of the present to secure the future” and the debate question: “Is it climate change or bad water Governance?”.

Key Action Points from the youth debates.

The Debates had the following key action points as highlighted below:

- a) The indigenous people should take possession of land and not necessarily foreign investors of any sort. From history, Global Warming was never an issue until investors started taking over land.

- b) Ensure Youth Inclusion in climate Action and Climate Justice.
- c) Monitor and evaluate existing approaches in the fight against Climate Change. The monitoring and Evaluation of existing approaches would help determine what works and doesn't work. Review performance, bottlenecks to a break even, incorporate feedback into response. Carry out periodic reviews for gap identification,
- d) Map more stakeholders in the fight against climate change
- e) Adopt prevention approaches in the fight against climate change instead of only focusing on fighting crime. "The Common wisdom has it that 'prevention is better than cure'. This is particularly true for the prevention of climate change.
- f) Carryout whistle blower outreach and motivation. The whistle-blowers should be reach out to, motivated and protected. Whereas a whistle-blower is motivated by their own sense of integrity and need to protect the public, there is need to protect the whistle-blower from victimization and motivate them to keep reporting incidents such as encroachment on wetlands.
- g) Involve citizens/ stakeholders in the in the protection of water and Environment. Giving the war to the "Real owners of the war". Citizens are the real owners of the war against Environmental degradation.
- h) Ensure that the citizens have timely information on forms, occurrences and ways to mitigate Environmental Degradation.
- i) Use influential political structures and umbrella bodies especially Local Councils to operationalize the people based/ participatory approach in combating climate change.
- j) Collaborate with Cultural and Religious Institutions: Religious and cultural leaders are a locus of influence in local communities. The message on the fight against water and environmental degradation will reach people more easily through cultural and religious leaders.
- k) Sensitize citizens through TV and radio and other kinds of media.
- l) Increase funding to the fighting against climate change.
- m) Hold perpetrators of Environmental Destruction accountable.
- n) Involve private sector more in the fight against Environmental destruction.
- o) Start and Popularize a Climate Integrity campaign and award individuals and organizations that have made a great contribution in Climate action, water and Environmental protection.
- p) Mobilize the supply side of the fight against Environmental Destruction. There is need to mobilize people on the supply side to be ready to work with an empowered and demanding movement of citizens on Climate Action.
- q) Recognize the contribution of different actors to the fight against Climate Change especially water and Environment.

### 2.8.6 Conclusion

As water resources continues to experience pressure from population growth, industrialisation, agricultural developments, accompanied by increased water use demand, resulting into severely reduced water availability per capita/day with respect to quantity and quality but also created stress on biodiversity in the entire global ecosystem. Other major factors that limit water availability include rainfall, temperature, evaporation rates, soil quality, vegetation type, and water runoff. Furthermore, regular urbanization, excessive population growth, water pollution, water waste, increase in greenhouse gases and excessive industrialization are increasingly damaged and decreasing over time. The UWEWK with its messages to stakeholders is a welcome initiative as an awareness creation tool. Since water resources management concerns everyone, therefore every stakeholder needs to be brought on board.



### 3.0 MAIN EVENT ACTIVITIES, MARCH 2022

This section of the report captures the main event of the Uganda Water and Environment Week 2022 (UWEWK2022) which was held as hybrid (both online and physical) from 20<sup>th</sup> to 25<sup>th</sup> March 2022 at the Ministry of Water and Environment Headquarters, Luzira, Kampala. . It covers activities that were held from the opening ceremony (Sunday 20<sup>th</sup> March 2022) to the closing ceremony (Friday 25<sup>th</sup> March 2022). These include among others keynote addresses, dialogues, paper presentations categorized as practice, policy, science, applied trainings inclined to the overall theme and its sub-themes, exhibitions and side-events. It also captures activities to mark the three sector international days (World Water Day, World Meteorological Day and International Forest Day).

#### 3.1 Formal Opening Ceremony

The opening ceremony was held in the auditorium of the MWE Headquarters premises on Sunday March 20<sup>th</sup>, 2022 from 2:00 pm - 5:00 pm and was telecast live on both Uganda Broadcasting Corporation (UBC) and NBS television stations and live streamed to various social media platforms and zoom. The remarks by the Chairperson NOC Dr. Florence Grace Adongo' Director, DWRM- preceded a video clip highlighting the events of the previous UWEWKs and flowing into the overall theme of the 5<sup>th</sup> UWEWK2022. Several remarks were given by the different key participants these included the Deputy Ambassador of German His excellence Hans von Schroder; Ms Susan Ngongi Namondo- United Nations Resident Coordinator represented Ms Elsie G. Attafua UNDP Resident Representative; the chairperson of Uganda Joint Christian council represented by Rev Constantine Mbonanbingi the Executive Secretary, UJCC. This was followed by opening remarks by Hon. Beatrice Anywar, Minister State for Environment- and the formal opening by the Guest of Honour, H.E Hon. Rtd. Major Jessica Alupo, the Vice President of Republic of Uganda, , who addressed the meeting.



Figure 15: The guest of honour H.E Hon. Rtd. Major Jessica Alupo, with Hon. Beatrice Anywar, Minister of State for Environment with some of the guests representing different partners and stakeholders

## Summary key messages from the opening remarks

- Water reuse (especially for domestic waste water) is possible for Uganda to reduce pollution in the Lake Victoria and have more water for agriculture.
- Water availability is likely to be compromised due climate change if we don't ensure efficiency in agriculture and domestic water use.
- Education is the most powerful weapon which you can use to change the world.
- The loss of forests and wetlands through massive use of biomass fuel for cooking/combustion combined with other drivers which include but not limited to expansion of agricultural land, rapid urbanization, and puts pressure on our water and environment resources
- There is need for MWE to have its own team of rangers that enforce the environment laws to address issues of accountability and answerability of the ministry on water and environment related issues
- Peace is living in a safe and clean environment
- We need to have clear understanding of the message and we need to have accountability for the resources given
- Time isn't on our side for action
- Water should be put at the centre of planning

### 3.1.1 Keynote address on the overall theme for the UWEWK 2022

The Keynote address presentation on the overall theme was made by Dr Joseph Shevel, President - Galilee International Management Institute who highlighted the contribution and potential of water and environment resources in ensuring peace and socio-economic transformation of Uganda

#### Summary Outcomes, Key Messages and Recommendations from the Key Note Address

Management of Water and Environment resources is a Panacea for development. However this potential can only be harnessed through inter -sectoral cooperation and engagement.

WRI needs to foster and Initiate Research and Development in order to contribute to a coordinated structured approach of collaborative planning and management of water and environment resources.

The sector needs to engage the Private sector in dialogue (for example breakfast meetings) and incentivize the scaling up of their investment in Water and Environment for innovative financing.

In order to do things differently and achieve significant results in water and environment resource management, development and use, it is important to raise a critical mass of transformative leaders in all sectors.

### 3.1.2 Dialogue on the overall theme for the UWEWK 2022

A dialogue focusing on the overall theme for the UWEWK 2022 “*Water and environment for peace and socio-economic transformation of Uganda*” proceeded the keynote address. The panelists included: Ms Elsie Attafuah - UNDP Resident Representative; Hon. Otim Emmanuel Otaala - Chairperson, Natural Resources Committee of Parliament; Rev Constantine Mbonanbingi, Executive Secretary, UJCC representing the chair, of the Uganda Joint Christian Council; Mr Alfred Okot Okidi - Permanent Secretary, MWE; Owek. Mariam Nkalubo Mayanja - Minister of Environment and Bulungibwansi, Buganda Kingdom; Ms Rhoda Tumusiime - Former

Commissioner for Rural Economy and Agriculture at African Union Commission and Rev. Canon William Ogeng representing the Archbishop of Church of Uganda This was moderated by Mr Maurice Mugisha of UBC and Ms Mildred Tuhaise NBS Television.

#### Summary Outcomes, Key Messages and Recommendations from the Dialogue

- Climate change is a crossing cutting issue which should be addressed jointly by all stakeholders.
- Water and environment are key for the Parish Development Model; this is because interventions to improve household income need water and environment resources.
- Majority of Ugandans derive their livelihoods from water resources and due to increasing needs and demands these resources are under threat. We are experiencing conflicts due to water scarcity and it will worsen due to increased population and climate change. Without clean water we can't have a safe and productive population. Thus water supply should be prioritised.
- Poor coordination of sectors and issuance of land titles in wetland has facilitated encroachment on wetlands. This needs to stop and should be reversed.
- Management of Water and Environment resources is critical for development. However its potential can only be harnessed through inter -sectoral cooperation and engagement. Therefore there is need for integrated approach in planning, management and development of water resources beyond the current program arrangement. Optimize partnerships and harness the synergies among stakeholders (Private sector, religious institutions, NGOs, academia and government)
- There is need for mind-set change at institutional, organisational and individuals levels to be able to harness water and environment resources for social economic transformation
- Engage the Private sector and incentivize the scaling up of their investment in Water and Environment beyond the corporate social responsibility through innovative financing
- Ensure implementation of environmental policies and regulations in a consistent and impartial manner at all levels
- Fast track the enforcement of the policy which compels all manufacturers of plastic waste to follow all their materials and collect from the end user and recycle to reduce plastic pollution
- The currently adopted parish development model is not clear on the implementation of water and environment related issues therefore there is need to develop strategies to operationalize the implementation of water and environment in this new government service delivery approach.
- Integrate youth, and children into the water and environment sector and ensure that vulnerable groups have a formal link in the ministries for them to express their interests and rights and for their voices to be heard

### 3.2 Day Two, Monday 21<sup>st</sup> March 2022: Promoting Peace and stability through water and environment resources.

Day two had six sessions in the morning that included a key note presentation and a dialogue on Sub-theme 1: Promoting Peace and stability through water and environment; while the afternoon had parallel sessions of paper presentations; three applied trainings and six side events. .

#### 3.2.1 Dialogue on Water and Environment Security for inclusive- growth

Starting the day was Dialogue #2 on the sub-theme- Promoting Peace and stability through water and environment which was held both physical and online. The keynote presentation was done by Dr Alan Nicol, Director of Strategic Program on Water, Growth and Inclusion –International Water Management Institute (IWMI). . This was followed by a panel discussion involving a number of panelists that included: Ambassador Julius Kivuna - Commissioner for Regional Peace and Security, Ministry of Foreign Affairs; Brigadier General Felix Kulayigye Spokesperson, Uganda Peoples Defence Forces; Mr Aggrey Kibenge - Permanent Secretary, Ministry of Gender, Labour and Community Development; Ms Jane Mselle Sembuche - Country Director, Water Aid Uganda/Lead, Water and Sanitation DP Group 2022; Prof Sandy Stevens Tickodri Togboa - Executive Chairman, Kiira Motors and expert on trans-boundary water issues; and Ms Evelyn Acham - Climate Activist and National Coordinator for Rise Up Movement. And water moderated by Ms Brenda Achiro, Country Director Water for People and Engineer Gilbert Kimanzi, Commissioner, Water for Production.

### 3.2.2 Parallel Sessions: Promoting Peace and stability through water and environment

The parallel sessions were held in the morning and afternoon which included: Paper and poster presentations on policy, practice & science on the day’s sub-theme of promoting Peace and stability through water and environment. Three applied training sessions of; Training on Implementation of the SDG 6 Manual (Ministry of Water and Environment), Integrated Water Resources Management for Mushroom Growing (JB international); and Rooftop rainwater harvesting for climate change adaptation in Uganda (Step-Up Standards Limited). Side events: Official Launch of Commercial Flower Farms Integrated Catchment Management Partnership (GIZ); Panel Discussion on Mass National Tree Planting, Annual 40 Million Trees, Running out of trees (ROOT) (MWE, NFA and Uganda Breweries Limited) and Communities, wetlands ecosystems and catchments resilient against climate change impacts (UNDP) were held.



Figure 16: Left to right; Ms Brenda Achiro, Engineer Gilbert Kimanzi, Mr Aggrey Kibenge, Prof Sandy Stevens Tickodri Togboa, Brigadier General Felix Kulayigye, Ms Evelyn Acham, Ms Jane Mselle Sembuche and Ambassador Julius Kivuna

## Summary outcomes, key messages and recommendations from the session

| Session  | Summary outcomes, key messages and recommendations from the session  |
|--|--|
| Key Note Address:<br>Promoting Peace and stability through water and environment                               | <ul style="list-style-type: none"> <li>• Water and Environment’s relationship to peace and stability is key at all levels – national, local and international.</li> <li>• The impact of Refugees is an integral part of water and environment management and should be given due attention – further delay in will lead to further deterioration of these resources in settlements.</li> <li>• Think outside the water box - Planning management of Water and Environment resources should take into consideration the wider political social economic relationships at all levels.</li> <li>• Local Knowledge is key to the planning and design of the infrastructure.</li> </ul>   |
| Panel on Promoting Peace and stability through water and environment   | <ul style="list-style-type: none"> <li>• When dealing to water diplomacy and geopolitics, technical people should be included in the related engagements in order to articulate the scientific perspective of the subject matter. For example, when addressing diplomatic relations on the rising water levels of the lake should be viewed in light of many factor including scientific phenomena.</li> <li>• Conservation of water and environment resources requires expanding alternatives for livelihoods and financing to vulnerable people, there is need to underhand their characteristics. Embrace the sustainable water and environment intervention that has three tiers: create income, create assets and education for communities.</li> <li>• Uganda people’s Defence force (UPDF) can be engaged to play a role in mobilization for environmental protection.</li> <li>• To ensure peace there must be equity achieving this requires closing the access disparity of water and sanitation between urban areas and rural areas.</li> </ul> |
| Official Launch of Commercial Flower Farms Integrated Catchment Management Partnership                         | <ul style="list-style-type: none"> <li>• Development of Business specific guidelines and partnerships arrangement is key in contributing to sustainable water and environment resource management</li> <li>• The approach used by GIZ is for the flower industry is an example. A similar approach should be fostered and rolled out across more business streams.</li> </ul>  |
| Panel Discussion on Mass National Tree Planting, Annual 40 Million Trees: Running out of trees (ROOT) Campaign | <ul style="list-style-type: none"> <li>• Integration of ICT in forest/tree management should be harnessed and promoted.</li> <li>• Promote and develop forestry related jobs in order to involve the youth.</li> <li>• Promote biodiversity offsets for ongoing forestry depleting activities e.g brick making – and not just projects</li> <li>• Promote Private – Public partnerships which are key in restoring the forest cover.</li> <li>• Tree planting is not enough – there is need to move the conversation to tree management and nurturing</li> </ul>   |
| PPP Approach for accelerating access to Water and Sanitation in Uganda   | <ul style="list-style-type: none"> <li>• Public Private Partnership (PPP) approach needs proper understanding to emerge as an alternative to grants financing for WASH intervention.</li> <li>• Projects requiring government contributions should be implemented in synergies with ongoing investments.</li> <li>• Since the Pro Poor Policy is supposed to be accepted nationally, there is need to align to different approaches in order to have one national approach.</li> </ul>   |
| Communities, wetlands ecosystems and   | <ul style="list-style-type: none"> <li>• Government should harness and document indigenous knowledge on sustainable wetlands and ecosystems management.</li> </ul>   |

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| catchments resilient<br>against climate change<br>impacts |  |
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### 3.3 Day three, Tuesday 22<sup>nd</sup> March 2022: Building resilience to various risks and shocks

The day had six sessions in the morning which were key note address and dialogue on sub-theme #2 on: building resilience to various risks and shocks and five parallel sessions. Similarly there were five parallel sessions in the morning and the afternoon. These were; two on policy practice and scientific paper presentations, two applied trainings and six side events.

#### 3.3.1 Dialogue on building resilience to various risks and shocks

The day started with keynote presentation and dialogue on subtheme “building resilience to various risks and shocks”. The a Keynote Presentation was done by Dr Johannes Culmann, Director of Water and Climate Department, World Meteorological Organization. This proceeded a panel discussion moderated by were moderated by Eng. Joseph Eyatu, Director Directorate of Water Development (MWE) and Ms. Spera Atuhairwe, Country Director Life Water international. The panellists include: Dr. Daniel Babikwa. Representing the Executive Director, National Environment Management Authority; Mr Ricard Gine. Stockholm International Water Institute; Dr Monica Nderitu, Regional Advisor, VI Agro Forestry; Hon Lawrence Biyika Songa Chairperson, Parliamentary Committee on Climate Change; Parliament of Uganda; and Mr. Jonathan Farr - Senior Policy Analyst for Climate Change, Water Aid. [3.3.2 Parallel sessions: Building resilience to various risks and shocks](#)

As part of the mid-morning and afternoon sessions, the parallel sessions included 2 sessions on paper and poster presentations on policy, practice and science in alignment with the sub-theme of the day “building resilience to various risks and shocks” five side events, one applied training and celebration of the World Water Day with a global theme focusing on groundwater resource “groundwater; making invisible visible: as highlighted in section below. See annex for details

#### 3.3.2 Applied Training Sessions

In the mid-morning session 14: Applied Training on Large Scale Solar Powered Water and Irrigation Systems Evaluation using HOMMER and ODYSSEY software – was organised and facilitated by Engineers Without Borders. It was explained that ODYSSEY and HOMER software system is useful in the documentation and development of project proposals ready for investors and donors funding. .

#### 3.3.3 Side Event sessions

. These focused on various topical discussions as follows: Session 13: Strengthening the enabling conditions for social entrepreneurs in the water sector - Turikumwe, Young Water Solutions, WASEU; ; Session 18: Climate Change through Catchment Based Integrated Management of Water and Related Resources in Uganda (EURECCCA Project) - MWE/OSS; Session 19: The Catchment Stewardship Approach in Practice - Lessons from the Natural Resources Stewardship Programme (NatuReS); Session 20: Celebration of World Water Day – MWE; and Session 21: Side Event: Panel Discussion: Payment for Water Services by Refugees- GIZ –WATSSUP



Figure 17: Panel Discussion at one of the side events of the day (Turikumwe, Young Water Solutions)

### 3.3.4 Celebration of World Water Day

This year the World Water Day focussed on groundwater. Groundwater is an important part of climate change adaptation process and is often a solution for people without access to safe water. Despite these impressive facts and figures, invisible groundwater is out of sight and out of mind for most people. It is against this highlight that the theme WWD 2022 was “groundwater: making invisible visible”. In Uganda the WWD was marked as an event within the framework of the UWEWK by bring out and raising awareness on the technologies, equipment and the science of groundwater management and development.



Figure 188: Plate showing some of the equipment and machines used in management and development of groundwater on display during the celebration to mark the WWD 22<sup>nd</sup> March 2022

### 3.3.5 UWEWK -Tree Planting and Bulungibwansi, Mutuba Musanvu Myanzi; Myanzi Sub-County - Kassanda District

The Myanzi event was organized in partnership with Buganda Kingdom and was designed in a form of open participatory community dialogue. The community was engaged in an open discussion on issues of water and environment and following concerns were raised i) low level of access to safe clean water, sanitation and hygiene among the community members, ii) increased teenager pregnancies and school dropouts, iii) wetland

Figure 199: Showing some of activities at Myanzi celebrations

encroachment and degradation, iv) food insecurity and low household income due to climate change effects in lake Wamala region that has resulted in such challenges like domestic violence, increased youth unemployment among others. 36 school and stakeholders ranging from development partners, local and regional government officials, Buganda chiefs, central government officials, academicians among others attended. More than 1,000 trees were planted.



### 3.3.6 Summary outcomes, key messages and recommendations from the session

| Session  | Summary outcome key messages and recommendations  |
|--|---|
| Key Note Address:<br>Building resilience to various risks and shocks | <ul style="list-style-type: none"> <li>• More Water is lost from the earth surface than can be replenished.</li> <li>• Ground water should be a reserve and buffer and its management should be taken into consideration in the disaster mitigation and response policy.</li> <li>• Early warning service and communication should be harnessed because it is a very important aspect for resilience and awareness creation.</li> <li>• Integration of water and climate change monitoring and information systems should be done as means of building resilience.</li> <li>• Drought can only be managed using an integrated sectoral approach.</li> </ul> |
| Panel on Building resilience to various risks and shocks             | <ul style="list-style-type: none"> <li>• Building resilience with small scale farmers is important.</li> <li>• There is need to act now and generate evidence on what is being done and build resilience on these shocks caused by climate change.</li> <li>• Use existing data and capacity to create or develop delivery solutions to solve the current and future risks and shocks.</li> <li>• Communities should be involvement and local knowledge harnessed in building resilience.</li> </ul>  |
| Building resilience to various risks and shocks - Policy, Practice & | <ul style="list-style-type: none"> <li>• MAAIF and MWE should create and disseminate Agro-ecological knowledge through advisory services and farmer to farmer exchange.</li> </ul>  |



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| <p>Scientific Papers Presentation</p>   | <ul style="list-style-type: none"> <li>• Enhancement of resilience of communities to climate change should be done within a short time. The good approaches of EURECCA should be scaled up and integrated in ongoing programs such as parish development model.</li> <li>• Emphasis on ground water management at both the national and local level is required.</li> </ul>   |
| <p>Strengthening the enabling conditions for social entrepreneurs in the water sector</p>                                       | <ul style="list-style-type: none"> <li>• Promote innovation among the youth to address the water and sanitation challenges through businesses. <ul style="list-style-type: none"> <li>○ Success nuggets for young entrepreneurs should be incorporated in capacity development. These include: Collaboration and registration; Research and standardization and accreditation ; Economic Viability; Mentorship and coaching</li> </ul> </li> </ul>  |
| <p>Applied Training: Large Scale Solar Powered Water and Irrigation Systems Evaluation using HOMMER and ODYSSEY software</p>    | <ul style="list-style-type: none"> <li>• Further Applied Training for Water and Irrigation Systems should be organised and facilitated across the country.</li> </ul>   |
| <p>Papers and poster presentation</p>   | <ul style="list-style-type: none"> <li>• Integrate remote sensing analysing impacts of land use and land cover on water quality..</li> <li>• Conduct further research and feasibility studies on the scaling up and deployment solar energy and Filtration of Gravity Driven Membrane technology in other communities.</li> <li>• Organise and conduct capacity building in management of surface and ground water resources in trans-boundary aquifers.</li> <li>• Develop market based incentives for the multiple benefits accrued from ecosystem services derived from sustainable wetland management and conservation.</li> <li>• Promote and integrate irrigation in fodder production to achieve high yields.</li> </ul> |
| <p>Climate Change through Catchment Based Integrated Management of Water and Related Resources in Uganda (EURECCCA Project)</p> | <ul style="list-style-type: none"> <li>• EURECCA should be scaled up using strengthening of the cooperative model for both inputs and outputs, value chain development, market incentives and integration in the parish development model.</li> <li>• Women should be given an opportunity to be business owners in the scale up of the lessons learnt from EURECCA.</li> </ul>   |
| <p>The Catchment Stewardship Approach in Practice - Lessons from the Natural Resources Stewardship Programme (NatuReS)</p>      | <ul style="list-style-type: none"> <li>• Actors should recognise the interdependencies and understand aspects of human-nature relationship, managing complex social ecological systems as they formulate programs that build resilience in the face of climate change.</li> <li>• Adopt the stewardship approach to help solve conflicts within local communities and enable internal learning and reflection on internal processes deployed during conservation efforts.</li> </ul>  |

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| <p>Panel Discussion:<br/>Payment for Water Services by Refugees</p> | <ul style="list-style-type: none"> <li>• Water service providers should continuously engage water users to realise payment of the service.</li> <li>• Utilities need to be engaged early in the process of designing water supply infrastructure systems to avoid O&amp;M challenges at the time of handover</li> <li>• Host communities must be included while planning for services provision for the refugees</li> <li>• Water service provision should Integrate livelihood Programmes in refugee settlements and involve host communities to enable the population pay for water services</li> </ul> |
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#### Day four, Wednesday 23<sup>rd</sup> March 2022: parallel sessions

Activities of Day four coincided with the celebrations of the international sector days (IFD and WMD), an open day that allowed school children to participate and tour the exhibition, *Bulungibwasi* field visit to Myanzi in Mityana District organized in partnership with Buganda Kingdom and celebration of International Forest Day in Mubende District organized in partnership with FAO. And a few parallel sessions at the main venue, MWE headquarters in the morning and afternoon that included: paper presentations, side events; applied trainings and Career Talk for Young Professionals. .

#### 3.3.7 Side event sessions

Several side event sessions were held in the morning and afternoon sessions. These included: Session 22: Launch of Green Growth Report by GIZ; Session 23: Commemoration of International Day for Forest in Mubende District MWE, FAO and Buganda kingdom; Session 26: Adaptive programming for WASH climate resilience –WaterAid; Session 30: Side Event: Official Launch of LIFE-AR Project – MWE; Session 31: celebration of World Meteorological Day- UNMA. –

#### 3.3.8 Policy, Practice & Scientific Papers Presentation;

One of the five parallel sessions in the afternoon was a Paper Presentations on Policy, Practice & Science around the sub-theme of building resilience to various risks and shocks. This was later followed up by a plenary discussion on the same. Key messages from the session are contained herein under section **Error! Reference source not found.**5 while some of the details are contained in the annex.

#### 3.3.9 Applied training

Applied training was one of the parallel sessions on the day and it was a training on session 24: Decentralized Climate Financing - LIFE-AR; and session 29: Water and Environmental Resources Business Incubation for Job, Employment and Wealth Creation - MWE- EHCAI-KAB which was supported by a presentation and plenary discussion.

#### 3.3.10 Career talk for young professionals

In Uganda, 23.5% of the total population are youth, this presents both a challenge and an opportunity to engage the youth in climate change adaptation, mitigation, and advocacy. This calls for engaging and involvement of youth in water and environment resources management and development without forgetting climate change mitigation, adaptation and advocacy. The theme for young water and environment professionals' career talk centred on “youth in the climate change space”, with specific objectives to: i) explore opportunities for the youth in the climate change space, ii) understand the roles and responsibilities of youth in climate change adaptation and mitigation and iii) showcase best practices of youth working in the climate change space.

Several panellists provided different perspectives of career growth for youth in the climate change space. This session was crowned with a question and answer session.

| Sessions   | Summary Outcome, key messages and recommendations   |
|--|---|
| Launch of Green Growth Report  | <ul style="list-style-type: none"> <li>• Fast track market mechanisms for greenhouse gas (GHG) trading and waste trading and ecosystem offsets in economic instruments</li> <li>• Scale up niche processing for agricultural produce of flowers, vegetable oils, cakes and biscuits to enhance utilization of food and minimize waste.</li> <li>• Provide a designated fund for mentorship and financing for small sized enterprises engaged in resource use efficiency and waste cycling innovations,</li> <li>• Upgrade the quality of products from the extended value chain for waste, including plastics waste to enhance competitiveness among small micro enterprises</li> </ul> |
| Applied training Decentralised climate financing- Life-AR                                    | <ul style="list-style-type: none"> <li>• Uganda is piloting decentralised climate finance mechanism where most of the money is channelled to Local government</li> <li>• There is need to strengthen partnership with all stakeholders including civil society, private sector, religious and institutions and development partners to jointly address water environment and climate change concerns of the country</li> </ul>  |
| Bulungibwansi Field trip to Myanzi in Mityana District                                       | <ul style="list-style-type: none"> <li>• Trees and other environment resources can survive without us but we can't survive without it so let's protect it</li> <li>• Raise the next generation of citizens who are environment conscious therefore educate children both at schools and at home to grow up knowing environmental protection</li> </ul>  |
| Adaptive programming for WASH climate resilience   | <ul style="list-style-type: none"> <li>• Climate action should lead sustainable development and resilience and attention should be paid to water resources or the systemic blockages and power inequalities that inhibit people from getting services.</li> </ul>   |
| Policy, Practice & Scientific Presentation   | <ul style="list-style-type: none"> <li>• Community willingness and adoption of good coping strategies are key in enhancing reduction the vulnerability of communities to the adverse effects of climate change</li> </ul>   |
| Career Talk for young professionals  | <ul style="list-style-type: none"> <li>• Young Water and environment professionals should take action against climate change and effectively engage in activities that will help solve it</li> <li>• Young professionals should consider volunteering in innovative solutions so that they get knowledge on how to solve the climatic change impacts</li> </ul>   |
| Water and Environmental Resources Business Incubation for Job, Employment and Wealth Creatio | <ul style="list-style-type: none"> <li>• Learn from and embrace interventions that can lead to sustainable management of water and environment resources examples include: EURECCA project demonstrated how stakeholders can venture into enterprises that don't destroy the environment leading to sustainable living and restore the severely damaged ecosystems for improved and sustainable livelihoods</li> </ul>  |

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|   | <p>Excel Hort Consult Agribusiness Incubator enhances water and environmental resources management for job, employment and wealth creation through business incubation by facilitating communities in the proximity of water and environmental resources with skills, knowledge and facilities to generate jobs and wealth through business incubation</p> <ul style="list-style-type: none"> <li>• Bulk water transfer should be to be promoted to address issues of water scarcity in the different parts of the country.</li> <li>• sensitizations, mobilizations, talk shows need to be conducted to facilitate communities within the proximity of water and environmental resources with skills, knowledge and facilities to generate jobs and wealth through business incubation and awareness of the dangers of unfriendly environmental practices</li> </ul> |
| <p>Official Launch of LIFE-AR Project</p> | <ul style="list-style-type: none"> <li>• Current trends in financing call for business unusual to be emphasised in order to achieve the desired results this will require Building the required institutional systems and capabilities through long-term transformative change</li> <li>• There is need for least developed countries to focus on delivery mechanisms that are flexible and forward-looking and able to respond to changing circumstances. These mechanisms should be duly integrated and blended with government systems</li> </ul>  |



Figure 20: Hon. Matia Kasaija, Minister of Finance Planning and Economic Development officially launching the LIFE-AR project

### 3.4 Day five Thursday 24<sup>th</sup> March 2022: Financing Water, Environment and Climate Change

Day five of the water week had various activities which were key note address and dialogue on sub-theme #3 on: financing, water, environment and Climate change panel discussion and nine parallel sessions. Five parallel sessions were held in the morning and four in the afternoon. These were; Policy practice and scientific paper presentations, two applied trainings and six side events.

### 3.4.1 Dialogue: Financing Water, Environment and Climate Change

Day five started with the dialogue on the sub-theme “Financing Water, Environment and Climate Change”. The keynote presentation Financing Water, Environment and Climate Change was done by Dr. Fred Muhumuza, Researcher, Makerere University. Thereafter a panel discussion with panellists; Hon Silas Aogon, Chairperson, Parliamentary Forum on WASH; Mr Ramathan Ggobi, Permanent Secretary, Ministry of Finance Planning and Economic Development; Mr Anthony Githinji, Country Director, Water.org Kenya; Ms Hellen Kasujja Nakawooya, Deputy Executive Director, CIDI; Mr Steven Asimwe, Executive Director, Private Sector Foundation; and Ms Edith Kasajja Kateme, Lead Negotiator for Uganda on Climate Finance proceeded the presentation. . The panel, plenary, discussion and feedback were moderated by Ms. Jane Nabunnya Mulumba, Country Director IRC and Mr Julius Mukunda, Executive Director CSBAG. This was later followed up by a plenary discussion on the same



Figure 20: Open panel discussion on the Parish Development Model side event

### 3.4.2 Side events

Similar to the previous days six side events were held these included: Session 33: Side event on the hackathon for Universities lead by Water for People in collaboration with WMO and WRI; Session 34: Side Event on Parish Development Model (PDM) organized by WRI in coordination with PDM secretariat, Session 36: A Presentation of the Apace Faecel Sludge Management Model, Discussion Of Lessons Learnt for the Operationalization of Small Town FSTP’s and Launch and Handover of the Cesspol Emptier organized by MWE in partnership with GIZ; Session 38: Side Event: Graduation of Mentees of the pilot WRI - Mentorship Program ; and Session 40: Side Event: Sustainable Water and Sanitation (WASH) Financing organized by Water.org.

### 3.4.3 Policy, Practice & Scientific Paper Presentation;

One of the nine parallel sessions in the mid-morning and afternoon (session 32 and 37) were paper and poster presentations on policy, practice & science in line with the day’s sub-theme of Financing Water, Environment and Climate Change.



Figure 21: Plate showing a poster presentation and EURECCA side event

### 3.4.4 Applied training

Applied training sessions were held as parallel sessions in the afternoon of the day. These were Session 39: Training on groundwater “making the invisible resource visible” – DWRM; and Session 41: training on supporting Uganda’s Climate Resilience in Water Resources Management which was supported by a presentation and plenary discussion.

Key messages from the day’s sessions are highlighted in table herein section **Error! Reference source not found.5**.

### 3.4.5 Key messages from the day’s sessions

| Program  | Summary Key messages outcome and recommendations   |
|--|--|
| Key Note presentation<br>Financing Water,<br>Environment and<br>Climate Change | <p>The financing needs to have the perspective of the nexus between Security, Peace and Development</p> <ul style="list-style-type: none"> <li>• Development, if not well managed, destroys the environment</li> <li>• The scramble for environmental resources (minerals, timber, land, water, etc.) has often driven communities and countries to conflict and war</li> <li>• Non-inclusive development that leaves large portions of society with little or no benefits triggers social tensions that raise the security budget. The tensions disrupt the development processes creating a cycle of: More exclusion and more tension; More resources to security and less to social services and investments; More pressure on the environment by the poor people; and a situation of low growth trap is entrenched</li> <li>• There is need to emphasis more adaptive management in development interventions since the magnitude and complexity of the threats to water resources posed by climate change have become clearer. .</li> </ul> |

|  |  |
|--|--|
|  | <p>The Water Resource Institute and academia need to make a case from these inter-relations, based on the nexus between security, peace and development</p> <p>Since existing domestic resources fall short of the need, it is essential to consider mobilization of repayable financing, especially from private sources while using the existing resources more effectively</p>  |
| Dialogue on Financing Water, Environment and Climate Change  | <ul style="list-style-type: none"> <li>• Recognition is needed that water and sanitation can be transformed from a "spending sector" into one that can effectively contribute to efforts to promote economic growth and reduce poverty.</li> <li>• Government should set their sector objectives on sector finances to be able to get available funding sources (tariffs, taxes and transfers) to leverage repayable financing, especially domestic private finance.</li> <li>• There is need to earmark certain funds collected by government to address issues of climate change</li> </ul>  |
| Financing Water, Environment and Climate Change - Policy, Practice & Scientific Technical Presentation             | <ul style="list-style-type: none"> <li>• Create an enabling environment for watercredit approaches that not only address the credit challenges but also provide inherent sustainable financing and service level improvement</li> <li>• Harness the willingness of the community and financial institution to support water supply and sanitation program implement interventions that improve water services</li> </ul>   |
| The hackathon for Universities -   | <ul style="list-style-type: none"> <li>• Stimulate students from the different universities to think outside the box, be creative and be innovative through hackathon</li> <li>•</li> </ul>  |
| Parish Development Model (PDM)   | <ul style="list-style-type: none"> <li>• The Parish Development Model (PDM) is an implementation strategy for the National Development plan III; as well as delivering the NRM Manifesto 2021- 2026 commitments</li> <li>• The PDM is a multi-sectoral strategy to create socio economic transformation by moving the 39% households from subsistence economy into the money economy, using the parish/ward as the epicenter for development. it emphasizes the “whole government” approach in ensuring increased production , processing and marketing , infrastructure and service delivery at the community level</li> </ul> <p>It is a vehicle that brings together state and non-state actors to achieve inclusive socio economic transformation in a coordinated , collaborative and participatory manner at the parish level as the lowest economic planning unit</p> |
| Apace Faecel Sludge Management Model, Discussion Of Lessons Learnt for the Operationalization of Small Town FSTP’s | <ul style="list-style-type: none"> <li>• There is need to create awareness and change mind-set about Fecal sludge management</li> <li>• Emphasize public private partnership urban sanitation management</li> <li>• Develop Capacity and encourage households emptiable sanitation facilities to facilitate efficiency in use of land resources and sustainable sanitation business</li> </ul>   |

|  |  |
|--|--|
|  | <ul style="list-style-type: none"> <li>• Invest in marketing of faecal sludge management services.</li> </ul>  |
| WRI mentorship program   | <ul style="list-style-type: none"> <li>• It was proposed to create a database of mentors to be worked when needed. Mentorship programs should grow the pipeline potential leaders should enables females to fill key positions in the country and world at large.</li> </ul>   |
| Training on groundwater “making the invisible resource visible                   | <ul style="list-style-type: none"> <li>• Management of ground water resources is very important in regulating abstraction.</li> <li>• Management requires careful observations and interpretations of data and turn into, Information, that can be used the developer and planner of the resource.</li> </ul>  |
| Sustainable Water and Sanitation (WASH) Financing                                | <ul style="list-style-type: none"> <li>• There is need to lower the cost of borrowing for WASH loan.</li> <li>• Develop partnerships and engagement of value chain actors to leverage resources and skills.</li> <li>• There is need to continuously engage stakeholders and government in dialogues and platforms that can ensure WASH financing gets the attention it deserves.</li> <li>• There is need to change the mind-set of communities and individuals on the significance of good sanitation and hygiene.</li> </ul>  |
| Training on supporting Uganda’s Climate Resilience in Water Resources Management | <ul style="list-style-type: none"> <li>• Existing water resources infrastructures like dams need utmost safety management involving inspections daily, weekly or annually coupled with monitoring, instrumentation, and use of energy techniques like 3D mapping and surveys and in depth safety diagnosis.</li> <li>• Water resources management is a highly dynamic process that requires continuous interaction of the Water Resources Managers</li> <li>• Climate change is here to stay and we need to adopt to the changing policies and behaviors in order to adapt to climate related changes that have already happened or are expected in the near future</li> </ul> |





Figure 22: Mrs. Catherine Musingwire Bitarakwate, Permanent Secretary of Ministry of Public Service officiating at the WRI-Mentorship graduation ceremony at first batch of mentees

### 3.5 Day six, 25<sup>th</sup> March 2022: Partnerships and inter sectorial collaboration in water and environment management and development, Side Event and Training

The final day had a dialogue, three parallel sessions in the morning and the closing ceremony in the afternoon. The morning started with session a dialogue on sub-theme: “Partnerships and inter-sectorial collaboration in water and environment management and development. This was followed by mid-morning and parallel session 42 on paper presentations on policy, practice and the science on the sub theme, Session 43; Applied Training on Assets Analysis organized by Water for People and finally Session 44 Side Event on National Youth Debate organized Youth Go Green. Here below are the details of what transpired.

#### 3.7.1 Dialogue: Partnerships and inter-sectorial collaboration in water and environment management and development

The dialogue started with keynote presentation on the the sub-theme “Partnerships and inter-sectorial collaboration in water and environment management and development” by the keynote Speaker: Dr Patrick Moriarty, Chief Executive Officer, IRC. This was proceeded by the panel discussion with panellists: Mr. Stuart Worsley, Green Economy Coalition Countries Programme Director; Mr Richard Rwabuhinga, Chairman, Uganda Local Governments' Association; Prof Alex Ariho, Director General, Excel Hort Consult; Counsel Sardy, Uganda Law Society; Mr. Ssenyondo Manisulu- Uganda Manufacturers Association; Mr Tom Okello- Executive Director, National Forest Authority. The panel, plenary, discussion and feedback were moderated by Ms. Rosemirta Birungi and Dr. Florence Grace Adongo Director DWRM, MWE. Key messages from the session are contained herein under section **Error! Reference source not found.5** while some of the details are contained in the annex

#### 3.7.2 Parallel sessions

The final day had three parallel sessions in the morning. One was a continuation of the sub-theme: Partnerships and inter sectorial collaboration in water and environment management and development; where there were paper presentations on Policy, Practice and science as related to sub-theme; and was moderated by Dr. Nicholas Kiggundu Makerere University

#### 3.7.3 Session 43: Applied Training on Assets Analysis.

The second parallel session was training on water Assets Analysis by Water for People. It was supported by a presentation, group exercise and plenary discussion was moderated by Mr. Semwanga David WASH Manager-

Water for People). The last parallel session was a side event on: Youth Debate on the main theme of UWEWK 2022 and was moderated by Mr Godwin Muhumuza Country Director Youth Go Green.

| <b>Program</b>  | <b>Summary Outcomes, Key Messages and Recommendations from the session on partnerships and inter sectorial collaboration in water and environment management and development</b>  |
|---|---|
| Key Note presentation: Partnerships and inter-sectoral collaboration in water and environment management and development        | <ul style="list-style-type: none"> <li>• Partnerships and collaboration are key for development</li> <li>• There is need to bring people together, different sectors and business communities in WASH sectors.</li> <li>• There is need to create an ecological system change by bringing together different actors e.g. new innovations, technologies etc.</li> <li>• There is need to address the challenges of water and environment in partnership with Ministry of Water and Environment by all actors.</li> <li>• Strong partnership to address issues of water, environment and climate change is paramount.</li> </ul>  |
| Panel Discussion on Partnerships and inter-sectoral collaboration in water and environment management and development           | <ul style="list-style-type: none"> <li>• Partnerships and inter sectorial collaboration is key in development of WASH sector.</li> <li>• There is need to ensure affordability of water access and food to enhance the livelihoods of communities.</li> <li>• WASH master plan should be developed at the district level. This will direct district strategies for WASH</li> <li>• There is need for information sharing from National level to the community through social media, radios and television.</li> <li>• Involve experts, promote new innovations and advance technology to enhance water and environment.</li> <li>• Provide goods and services that people need to improve wellbeing and enhance socio economic transformation.</li> <li>• Improve work relations between the private sector and regulators</li> </ul> |
| Partnerships and inter-sectoral collaboration in water and environment management and development Policy, Practice & Scientific | <ul style="list-style-type: none"> <li>• There is need to work with local government in the implementation of water and sanitation programs to increase sustainability and inclusion.</li> <li>• At community level is where implementation should focus in order to conserve environment.</li> <li>• There is need for a national regulation on the livestock drinking water quality.</li> <li>• There need to support innovations or technologies aiming at environment protection such as incubation centres.</li> <li>• There is need to develop low-cost on-site water treatment systems not only for people but also for dairy industry.</li> <li>• There is need to have meaningful and sustainable partnerships with all stakeholders including community groups.</li> </ul>  |

|  |  |
|--|--|
| <p>Applied Training on water Assets Analysis</p> | <ul style="list-style-type: none"> <li>• Life cycle costing involves identification, catalogue and classification of all water systems in districts based on their current needs, level of water access. This assessment puts emphasis on the age of the water systems, overall functionality and the physical state of the water resource.</li> <li>• The lifecycle cost tool was developed by water for people and ministry of water and environment and has been tested in around 20 districts in Uganda</li> </ul> |
|--|--|



Figure 23: Plate showing the moderators and panelists for subtheme 3, (left to right) Ms Rosemita Birungi, Mr Tom Okello, Dr Florence Grace Adongo, Mr. Ssenyondo Manisulu, Counsel Sardy and Mr Richard Rwabuhinga,

### 3.6 UWEWK2022 Wrap Up and Official Closing Ceremony

Later that afternoon, the formal closing ceremony of UWEWK2022 was held at the auditorium of the Ministry of Water and Environment headquarters on Friday March 25, 2022 from 2:00 pm - 5:00 pm. This three-hour event was both a face-to-face and online. It consisted of a panel discussion on the summary and key messages from all the events of UWEWK2022. The afternoon event started with a 5-minute video showing the highlights from the previous days, UWEWK2022 summary presentation by Dr Callist Tindimugaya and panel discussion on the key summary messages from UWEWK2022. The closing event also included the launch of SDG6 Training Manual and giving of awards in appreciation to some individuals chairing and spearheading crucial committee and subcommittees of UWEWK2022. Finally, there were remarks by the Chairperson National Organising committee Dr. Florence Grace Adongo; Head coordination office for development cooperation Austrian Embassy Dr. Roswitha Kremser, Minister of State for Environment Hon Beatrice Anywar, and a closing speech by the Guest of Honour, the Rt. Hon. Rebecca Alitwala Kadaga, First Deputy Prime Minister and Minister of East African Affairs. Herewith below are the details of the closing ceremony.

#### 3.7.4 Summary of Uganda Water Environment Week 2022

Dr. Callist Tindimugaya- Commissioner WRPR (MWE) and also overall facilitator of UWEWK 2022 made a summary presentation of the UWEWK2022 highlighting the activities as: The **Pre-event Activities which took place** in March 2022 the main event being the week long set of activities held from 20<sup>th</sup> – 25<sup>th</sup> March and this

included the **Opening ceremony** that was shown live on UBC and NBS TVs, Social Media Platforms and zoom; five **Dialogues** that was aimed at the main theme and its four sub themes; **Five key note addresses** and 29 panellists were involved. He further cited that there were various **Parallel Sessions** which were held and these included: Eight Applied trainings:43 papers and 19 poster( scientific, policy and practice) presentations; 28 Side events (included Meetings, Project Launches, dialogues and women mentorship graduation, field visits, youth debate Career Talks, University students innovating solutions to WASH challenge); and 40 Exhibitors. He explained the six thematic working groups formed to take forward the recommendations of UWEWK 2021 and these included the urban growth and industrialization which was led by GIZ-NatuRes and water Aid Uganda, Research and development led by Makerere university and ACODE, Technology and scientific innovations led by WWF and water for people, Financing of water and environment management and development led by IRC and CSBAG, partnerships and system integration led by CARE and FRA; and capacity development and empowerment led by UWASNET and Environment Alert. The achievements of these thematic groups include; development of a community of practice to discuss recommendations, organized dialogues to foster, building new partnerships and designed applied trainings to build sector capacity. He also noted that new partnerships were formed which included cultural institutions, universities, religious institutions and schools. He concluded by highlighting the different key messages which are contained herein section. He concluded his presentation with the Key take away messages.

### 3.7.5 Panel Discussion on UWEWK2022 Key Messages

A panel discussion was held on the key emerging issues from the conference with the panelists drawn from a wide spectrum of eminent persons who included: Prof Joy Kwesiga, Vice Chancellor, Kabale University; Mr Antonio Querido, Country Representative, Food and Agricultural Organization; Mr David Dduli, Country Director, WWF; Mr Alex Crook, East Africa Climate and Environment Advisor, British High Commission and Chair of the Environment and Climate Change DPG; Eng. Silver Mugisha, Managing Director, National Water and Sewerage Corporation. The session was moderated by Ms Mildred Tuhaise from NBS. The key messages from this discussion were captured and incorporated to form part of the key outcomes, messages and recommendations from UWEWK2022 (see chapter 5.1)



**Figure 25: The Rt Hon. the First Deputy Prime Minister Rebecca Alitwala Kadaga presenting an award to Dr Florence Grace Adongo, Chair NOC, UWEWK with Hon Breatrice Anywar, Minister of State for Environment looking on**

### **3.7.6 Remarks by head, coordination office for development cooperation Austrian Embassy**

Dr. Roswitha Kremser the head of coordination office for development cooperation Austrian Embassy gave closing remarks and started by recognising and appreciating the Ministry of Water and Environment and all the partners involved for organizing the Uganda Water and Environment week. She highlighted that the weeklong event provided an interface between sector actors and other stakeholders for knowledge exchange, dialogue, learning for improved management and development of Uganda's water and environment resources. Further reiterated the commitment of the EU and its member states in Uganda to implement sector initiatives different parts of the country. In terms of financial contributions, hundreds of millions of Euros have been injected into the Water and Environment sector over the past decades.

She appealed to all relevant stakeholders in Uganda to strike the right balance between environmental protection and economic development and applauded GoU for its efforts aimed at increasing coverage of forests and strong actions towards fighting climate change. However, noted that more action towards stopping the destruction of Bugoma forest is still needed. In conclusion stressed that Austria will remain side by side to the Ministry of Water and Environment to continuously provide clean water, safe sanitation services and preserve the environment and natural resources in this most beautiful country.

### **3.7.7 Remarks by Minister of State-Environment**

The final day also had remarks made by The State Minister for environment -Hon. Beatrice Anywar, around this year's theme. The key messages from her remarks were captured and incorporated as part of the key outcomes, messages and recommendations (see chapter 5.1)

### **3.7.8 Closing Speech by the Guest of Honour**

The First Deputy Prime Minister and Minister of East African Affairs Hon. Rebecca Alitwala Kadaga was the Guest of Honour . She gave awards to best youth debates winner in university, secondary schools category, and the university that had a feasible solution in hackthon training, members of the organising committee and officially launched the SDG 6 training manual. The key messages from his speech are captured and incorporated as part of the key outcomes, messages and recommendations (section 5.1)

## **3.8. Exhibition**

The objective of the exhibition was to provide a platform to all sector players to showcase new technologies, lesson learnt and best practices, this provided an opportunity to demonstrate the centrality of water and environment resources in increasing household incomes, improved quality of life of the population and fulfilment of the NDP III targets for WASH.

UWEWK provided a valuable opportunity for networking and information sharing as well as showcase water supply, rainwater harvesting, irrigation, groundwater development and environmental resources products and services to stakeholders. The exhibition attracted a range of stakeholders from various sectors such as banking and financial institutions, media, private sector dealing in water development and use, environment and climate

change adaptation technologies and service providers for clean energy institutions, MWE- departments and regional structures etc.



Figure 24: Some of exhibited, technologies, demonstration modals and equipment use in monitoring water quality and quantity in pictures

## 4.0 COMMUNICATION AND PUBLICITY

Communication and publicity is a key component of the UWEWK and it plays a big role in raising awareness, engaging of stakeholders and communities and information dissemination. This year's UWEWK2022 communication and publicity objectives included among others:

- To enhance stakeholders' awareness of the need to protect, manage and develop water and environment resources in a holistic, integrated, and sustainable manner for peace and socio-economic transformation of Ugandans.
- To promote positive attitudes, practices, and behaviours among stakeholders on sustainable utilization of water and environmental resources
- To promote stakeholders' participation in the management and preservation of water, wetlands, and forests, natural resources
- To influence policy and decision-makers to ensure the existing policies are effectively implemented to meet the current trends on water and environment resources utilization

These objectives were achieved through use of several communication and publicity channels that included: radio spots and mentions, television spots, talk shows and engagement, print media, social media campaign, mwe magazine, daily water fronts, dissemination of publicity materials (branded bags, pens, notebooks, t-shirts, key holders, flash discs, banner etc.), endorsements, UWEWK documentaries among others.



Figure 27: Some of the branded publicity materials shared with communities/stakeholders during the UWEWK2022

The table below summarizes the communication and publicity coverage during the pre-events, event and post events of the UWEWK2022 running for about 2 months

| Media house         | Period          | Mentions | Guest Appearances and Interviews | Spot messages | Advertisement |
|---------------------|-----------------|----------|----------------------------------|---------------|---------------|
| <b>Capital FM</b>   | Mon-Fri 6am-8am | 92       |                                  |               |               |
|                     | Mon-Fri 5pm-7pm | 92       | 1                                |               |               |
| <b>Radio one FM</b> | Mon-Fri 6am-8am | 92       |                                  |               |               |
|                     | Mon-Fri 5pm-7pm | 92       | 1                                |               |               |

|   |                       |    |   |    |   |
|---|-----------------------|----|---|----|---|
| <u>KFM</u>  | Mon-Fri 6am-8am       | 92 |   |    |   |
| <u>CBS</u>  | Mon-Fri 6am-8am       |    | 2 |    |   |
| <u>NBS Radio</u>                                  | Mon-Fri 6am-8am       | 92 |   |    |   |
|   | Mon-Fri 5pm-7pm       |    | 3 |    |   |
| <u>Smart FM</u>                                   | Mon-Fri 6am-8am       | 92 | 2 | 58 |   |
|   | Mon-Fri 5pm-7pm       | 92 | 2 | 58 |   |
| <u>Bukedde TV</u>                                 | Weekdays 9pm - 9.30pm |    | 1 |    | 3 |
| <u>Smart 24 TV</u>                                | Mon-Fri 6am-10am      |    | 2 |    |   |
|   | Weekdays 9pm - 9.30pm |    |   | 15 |   |
| <u>NBS TV</u>                                     | Mon-Fri 6am-10am      |    | 1 |    |   |
|   | Weekdays 9pm - 9.30pm |    |   |    | 6 |
| <u>UBC TV</u>                                     | Mon-Fri 6am-10am      |    | 3 |    |   |
|   | Weekdays 9pm - 9.30pm |    |   |    | 6 |
| <b><u>Print Media: Articles/supplementary</u></b> |                       |    |   |    |   |
| <b><u>New Vision</u></b>                          | 4                     |    |   |    |   |
| <b><u>Daily Monitor</u></b>                       | 3                     |    |   |    |   |

All in all the media coverage against the planned was about 75% successful inclusive of 10 radio talk shows from regional activities for UWEWK2022. The harsh-tag for UWEWK was trending at about 400+ followers. Other social media platforms (what's app, twitter, Facebook, Youtube) also had substantial coverage.



**GCfproject**  
@CfprojectG

UWEWK2022: The NRM Government is committed to addressing the challenge of the degradation of wetlands. President Yoweri Museveni has a specific interest in matters of environment- H.E. Jessica Rose Epel Alupo @min\_waterUg @theGCF @MAAIF\_Uganda @MeteoUganda @UNDPUGanda



**COMMUNICATIONS HUB**  
@CommsHubUg

The objectives of #UWEWK2022 are to:

1. Highlight the role of water and environment resources management and development in promoting peace and stability.
2. Identify approaches for building resilience to risks and shocks related to COVID-19. #Thread 1/2

NWSC 🇺🇵 and Government of Uganda

**Water & Sanitation for Refugees & H...**  
@GIZWatSSUP

Tune in for the #UWEWK2022 Opening Ceremony tomorrow with our Deputy German Ambassador to Uganda Mr Hans von Schroeder @GIZWatSSUP @giz\_uganda @giz\_gmbh @min\_waterUg @GermanyDiplo



## 5.0 CONCLUSIONS AND RECOMMENDATIONS

Water and environment resources are connectors and catalysts and are a key resource in the socio- economic development process either as a primary or secondary input. Cognizant of this fact, this year UWEWK2022 was organized under the theme: Water and environment for peace and socio-economic transformation of Uganda. This was explored through four subthemes namely: promoting peace and stability through water and environment resources; Building resilience to various risks and shocks; Financing water, environment and climate change; Partnerships and inter-sectoral collaboration in water and environment management and development. This is in line with Uganda’s national development strategy and the National Development Plan III (NDP III), achievement of middle-income status and Sustainable Development Goals.

UWEWK2022 was largely very successful. It demonstrated how partnerships including bringing on board cultural institutions and religious institutions can be used to reach out to the general public. There was a total of 1694 participants (1311 online and 661 physically) from eight countries who attended the week’s event (**see Annex 0** with details). In addition, there were 43 paper and 19 poster presentations categorized as policy, practice and science on the different sub-themes; this was from a total of 85 abstracts that were received. There were also eight successful applied trainings focusing on the sub-themes. The launch of the Green Growth Strategy and LIFE-AR project were key strategic initiatives to address water, environment and climate change related issues in the country. Additionally, 22 side-events covering a wide range of activities were held during the UWEWK2022. This signifies the growing recognition of significance of UWEWK in improving dialogue and outreach of the MWE. Prior to this main UWEWK2022 event, pre-event activities that included the Walk for Water, Environment and Climate Change, publicity and media campaign, clean exercises, soccer march, regional activities were all done in March between 8<sup>th</sup> and 20<sup>th</sup> March 2022. Herewith below are overall the key outcomes and recommendations from 5<sup>th</sup> UWEWK2022.

### 5.1 High Level Summary of key messages from UWEWK2022 Key messages

#### Key messages from UWEWK2022

- a) Water reuse (especially for domestic waste water) is possible for Uganda to reduce pollution in the Lake Victoria and have more water for agriculture.
- b) Water availability is likely to be compromised due climate change if we don’t ensure efficiency in agriculture and domestic water use.
- c) Education is the most powerful weapon which you can use to change the world.
- d) The loss of forests and wetlands through massive use of biomass fuel for cooking/combustion combined with other drivers which include but not limited to expansion of agricultural land, rapid urbanization, and puts pressure on our water and environment resources
- e) The army is the custodian of the second desired commodity in the world peace and peace is a panacea for peace.
- f) The climate change crisis is interconnected to peace and stability and this is the reason we need environmental justice.
- g) Peace is living in a safe and clean environment
- h) We need to have clear understanding of the message and we need to have accountability for the resources given
- i) Time isn’t on our side for action let act now
- j) Water should be put at the centre of planning

## 5.2 High Level Summary from UWEWK2022 on recommendations on various aspects:

### Key recommendation from UWEWK2022

#### On Water and environment resources for peace and security

##### Peace is a panacea for development

- Water and Environment's relationship to peace and stability is key at all levels – national, local and international. Therefore securing the country requires cooperation and trust building through foreign affairs and the army's actions.
- Development interventions need to focus on building resilient population which are able to withstand shocks and have improved livelihood in order to ensure peace and security.
- The Uganda People Defence Forces should be engaged in awareness creation, mobilization and building capacity for environmental protection.
  
- The existing view of the water, agriculture, and energy and ecosystems nexus should be expanded to include security for stability and safeguarding against security risks related to water and environment.
  
- There is need for MWE to have its own team of rangers that enforce the environment laws to address issues of accountability and answerability of the ministry on water and environment related issues.

#### On Coordination and cooperation

- Management of Water and Environment resources is critical for development. However its potential can only be harnessed through inter -sectoral cooperation and engagement. Therefore there is need for integrated approach in planning, management and development of water resources beyond the current program arrangement. Optimize partnerships and harness the synergies among stakeholders (Private sector, religious institutions, NGOs, academia and government)
- Facilitate inter and intra-sectoral dialogue and knowledge exchange, thereby allowing for continuous learning and adapting of approaches, for the improvement of Uganda's Water and environment resources.
  - a) Work in collaboration to explore and develop innovative ways and incentives to change people's mind-set in conserving the environment.
  - b) In order to do things differently and achieve significant results, it is important to raise a critical mass of transformative leaders in all sectors.
- Technical people should be included in the bilateral agreements and or related engagements in order to articulate the scientific perspective of the subject matter.
- Establish a strong network of external advocates as the water sector so that water and environment drive the national development agenda, Work with CSOs, academia and youth and facilitate them to do this role.

#### On Water and environment resource development and management

- There is need for mind-set change at institutional, organisational and individuals levels to be able to harness water and environment resources for social economic transformation.
- The impact of Refugees as an integral part of the water and environment management should be given due attention – further delay in a concerted effort will lead to further deterioration of the resources.

- Think outside the water box - Planning management of Water and Environment resources should take into consideration the wider political social economic relationships at all levels.
- Local Knowledge is key to the planning and design of the infrastructure it should be incorporated in new infrastructure development processes
- Conservation of water and environment resources requires expanding alternatives for livelihoods and financing to vulnerable people, there is need to understand their characteristics. Thus sustainable Water and Environment intervention should be 3 tiered: create income, create assets and education for communities.
- On Equity it is imperative that the large disparity of access to water and sanitation between urban areas and rural areas is given priority and expand livelihood opportunities for the vulnerable/communities as a measure to ensure environment protection and resilience to risks and shocks
- There is need to develop industrial symbiosis i.e. one industry's waste to be an input to another etc,
- All the service delivery models need to be climate resilient

#### **On Research and development**

- Strengthen the capacity of the WRI to foster and initiate research and development that directly address development challenges in order to contribute to a coordinated structured approach of collaborative planning and implementation.
- There is need to act now and generate evidence on what is being done and build resilience on climate change related shocks.
- Use the existing data and capacity to create or develop delivery solutions to solve the risks and shocks related to water and environment resources.
- Community involvement and local knowledge is key for resilience. Therefore there is need to integrate indigenous knowledge in the climate science in order to ensure adoption of the any new information and technology transfer

#### **On Green growth implementation**

- Uganda has 22 designated industrial parks across the country and there is need to monitor the state and adoption of green growth technologies and sustainable waste management practices.
- There is need to harness the investment opportunities in the Green Growth Strategy and rally investors and other development partners to drive the agenda for Green Growth Strategy.

#### **Monitoring water and environment resources**

- There is need to develop capacity to generate, analyse and use real time data to monitor water and environment orchestrated impacts and make informed decision
- Establish a more robust early warning system which is simple and palatable to all stakeholders especially the smallholders/communities in order to ensure adaptation and managing risks and shocks.
- It is necessary to integrate water and climate change monitoring and information systems into the existing IMS within the sector
- Use the existing data and capacity to create or develop delivery solutions to solve the risks and shocks.
- Involve communities (cultural and religious institutions) and their local knowledge to achieve resilience against risks and shocks.

- Align monitoring and reporting mechanisms including digital reporting to the Green

## On financing water and environment resources

### Increase sector financing and optimising resources

- There is need to lobby Ministry of Finance Planning and Economic Development to allow the Ministry of Water and Environment to retain at least a 50% of the environment levy collected at source in order to strengthen the resilience and environment protection including activities such as hiring environment enforcement officers
- There is need to market the environment sector as an investment not a spending sector and focus on program budget financing to creatively overcome the hurdle of the 70/30 budget allocation rule,
- Embrace investment which doesn't affect our water resources and condemn deforestation and degradation in all its forms.
- There is need for regulations that are stable and avoid policy reversals in order to attract private sector funding streams,
- Engage the Private sector and incentivize the scaling up of their investment in Water and Environment beyond the corporate social responsibility through innovative financing

## On policy

- Ensure implementation of environmental policies and regulations in a consistent and impartial manner at all levels
- Fast track the enforcement of the policy which compels all manufacturers of plastic waste to follow all their materials and collect from the end user and recycle to reduce plastic pollution
- The currently adopted parish development model is not clear on the implementation of water and environment related issues therefore there is need to develop strategies to operationalize the implementation of water and environment in this new government service delivery approach.
- Integrate youth, and children into the sector and ensure that vulnerable groups have a formal link in the ministries for them to express their interests and rights and for their voices to be heard.



Figure 28: Several UWEWK2022 participants endorsing sector documents

### 5.3 Post UWEWK2022 Activities

Post UWEWK2022 Activities and next steps.

Recommendation for the development of a Post UWEWK2022 Action Plan with clear action points assigned to different persons or organisations to be considered for implementation (activity, organisation, budget, etc.)

Publication of proceedings and book of abstracts from UWEWK2022 (preferably WRI).

Host future UWEWK events both online and physically since UWEWK2022 was largely successful.

Start early with the preparation and organization of UWEWK2023 so that more people can be reached and engaged.

## APPENDIX A:

### A.1 UWEWK2022 Attendance Analysis

#### Number of Participants who attended UWEWK Dialogues, Opening and closing ceremony

| Dates                       | Title of event  | Online | Physical |
|-----------------------------|---|--------|----------|
| 20 <sup>th</sup> March 2022 | Official opening  | 164    | 103      |
| 21 <sup>st</sup> March 2022 | Dialogue promoting peace and stability through water and environment resources                              | 118    | 64       |
| 22 <sup>nd</sup> March 2022 | Dialogue sub theme ii: building resilience to various risks and shocks                                      | 135    | 61       |
| 24 <sup>th</sup> March 2022 | Dialogue session :iii on financing water ,environment and climate change                                    | 189    | 83       |
| 25 <sup>th</sup> March 2022 | Dialogue: partnerships and inter sectoral collaboration in water and environment management and development | 118    | 71       |
| 25 <sup>th</sup> March 2022 | Closing Ceremony  | 80     | 161      |

**Table 2: Number of Participants who attended-- UWEWK2022 Trainings**

| Dates                       | Title of Trainings  | Online | Physical |
|-----------------------------|---|--------|----------|
| 21 <sup>st</sup> March 2022 | Training on implementation of sdg6 Manual   | 38     | 24       |
| 21 <sup>st</sup> March 2022 | Rooftop rain water harvesting for climate change adaption in Uganda.                  | 15     |          |
| 21 <sup>st</sup> March 2022 | Integrated water resources management for mushroom growing                            | 20     |          |
| 22 <sup>nd</sup> March 2022 | Large scale solar and irrigation system evaluation using Hommer and Odyssey soft ware | 51     | 17       |
| 23 <sup>rd</sup> March 2022 | Decentralised climate financing   | 45     | 61       |
| 24 <sup>th</sup> March 2022 | Training on supporting Uganda's climate resilience in water resources management      | 11     | 12       |

**Table 3: Number of Participants who attended Paper Presentation- UWEWK2022**

| Date                        | Themes  | Online | Physical |
|-----------------------------|---|--------|----------|
| 21 <sup>st</sup> March 2022 | Promoting peace and stability through water and environment resources<br>PART2                    | 22     | 17       |
| 22 <sup>nd</sup> March 2022 | Building Resilience to various shocks   | 15     | 19       |
| 23 <sup>rd</sup> March 2022 | Building resilience to various shocks   | 61     | 26       |
| 24 <sup>th</sup> March 2022 | Financing water, environment and climate change   | 48     | 24       |
| 25 <sup>th</sup> March 2022 | Partnerships and inter sectoral collaboration in water and environment management and development |        | 22       |

**Table 4: Number of Participants who attended Dialogue and Side Events UWEWK2022**

| <b>Date</b>                       | <b>Events</b>  | <b>Online</b> | <b>Physical</b> |
|-----------------------------------|--|---------------|-----------------|
| <b>21<sup>st</sup> March 2022</b> | Official launch of commercial flower farms   | 16            | 32              |
|                                   | Communities, wetlands ecosystems and catchment resilient against climate change impacts                | 18            | 27              |
|                                   | Approach for Accelerating access to water and sanitation in Uganda                                     | 69            | 17              |
| <b>22<sup>nd</sup> March 2022</b> | Catchment Stewardship Approach in practice   | 78            |                 |
|                                   | Climate change through catchment based integrated management of water and related resources in Uganda. | 69            | 43              |
|                                   | Mainstreaming Nutrition into WASH.   | 42            |                 |
|                                   | Panel Discussion :payment for water services   | 185           | 26              |
|                                   | Strengthening the enabling condition for social entrepreneurs in water sector                          | 42            | 28              |
| <b>23<sup>rd</sup> March 2022</b> | Career Talk for young professionals  | 82            | 18              |
|                                   | Official launch of Life AR   | 32            | 103             |
|                                   | Launch of Green Growth Report  | 116           | 70              |
|                                   | Adaptive programming for WASH climate resilience   |               | 9               |
| <b>24<sup>th</sup> March 2022</b> | Parish Development Model   | 89            | 34              |
|                                   | Graduation of Mentees  | 56            | 54              |
|                                   | Sustainable Water and Sanitation Financing   | 55            | 19              |
|                                   | Panel discussion on mass tree Planting   | 182           |                 |
|                                   | Presentation of the apace Faecal sludge management model   | 57            | 31              |
|                                   | Training on supporting Uganda’s climate resilience in Water Resources Management.                      | 11            |                 |
| <b>25<sup>th</sup> March 2022</b> | Policy implications for urban sanitation experiences in Kampala  | 19            |                 |
|                                   | Youth Debate   | 36            |                 |



## A.2 Organizing Committee Members and Roles at UWEWK2022

**Table 5: National Organizing Committee members**

| No. | NAME   | ORGANISATION                      |
|-----|--|-----------------------------------|
| 1   | Dr Florence Grace Adongo, Director (Chair)         | Ministry of Water and Environment |
| 2   | Dr. Callist Tindimugaya, Commissioner (Vice chair) | Ministry of Water and Environment |
| 3   | Gwendolyn Kyoburungi                               | Ministry of Water and Environment |
| 4   | Stacey Natukunda                                   | Ministry of Water and Environment |
| 5   | Waiswa Nelson                                      | Ministry of Water and Environment |
| 6   | Kizito Xavier Francis                              | Ministry of Water and Environment |
| 7   | Hiire Ismail                                       | Ministry of Water and Environment |
| 8   | Boonabaana Shillah                                 | Ministry of Water and Environment |
| 9   | Achola Susan                                       | Ministry of Water and Environment |
| 10  | Naboth Murangira                                   | GNCC                              |
| 11  | Denis Ocoromac                                     | Ministry of Water and Environment |
| 12  | Tumwesige Stephen                                  | Ministry of Water and Environment |
| 13  | Joshua Nyombi Mugabi                               | Ministry of Water and Environment |
| 14  | Irene Kambedha                                     | Ministry of Water and Environment |
| 15  | Mugisha Irene                                      | GNCC                              |
| 16  | Murangira Naboth                                   | GNCC                              |
| 17  | Nambirige Monica                                   | Ministry of Water and Environment |
| 18  | Ayebaziwe Pedison                                  | Ministry of Water and Environment |
| 19  | Sempabuka Michael                                  | Ministry of Water and Environment |
| 20  | Rachel Atuhairwe                                   | Ministry of Water and Environment |
| 21  | Alex Ojuka Jalameso                                | Ministry of Water and Environment |
| 22  | Solomon Kyeyune                                    | Water Resources Institute         |
| 23  | Atwiine Matthew Karisa                             | Ministry of Water and Environment |
| 24  | Amuge Barbara Catherine                            | Ministry of Water and Environment |
| 25  | Joseph Malinga                                     | Ministry of Water and Environment |
| 26  | Ankunda Brenda                                     | Youth Go Green                    |
| 27  | Grace Waako Katuramu                               | Consultant                        |
| 28  | Muzahuura Rodgers                                  | Ministry of Water and Environment |
| 29  | Enguchu Emmanuel                                   | Ministry of Water and Environment |
| 30  | Epitu Joseph                                       | Ministry of Water and Environment |
| 31  | Ayeni Geoffrey                                     | Walkers Association of Uganda     |
| 32  | Edwin Cole   | CNCC                              |
| 33  | Albert Orijabo                                     | Ministry of Water and Environment |
| 34  | Washington Otieno                                  | WMO Secretariat                   |
| 35  | Muhumuza Edwin                                     | Youth Go Green                    |
| 36  | Martin Wamalwa                                     | Ministry of Water and Environment |
| 37  | Eng. Daniel Opwonya                                | Consultant                        |
| 38  | Lucky Brian  | Food Rights Alliance              |
| 39  | Monica Anguparu                                    | CARE - Uganda                     |

|    |                            |                                   |
|----|----------------------------|-----------------------------------|
| 40 | Brenda Achiro              | Water for People                  |
| 41 | Nathan Mununuzi            | Ministry of Water and Environment |
| 42 | Omega David                |                                   |
| 43 | Pamela Musiimenta          | Ministry of Water and Environment |
| 44 | Vikman Proscovia           | Buganda Kingdom                   |
| 45 | Richard Musota             | Ministry of Water and Environment |
| 46 | Richard Hamba              | Min. Energy and Mineral Dev't     |
| 47 | Kataratambi David          | Ministry of Water and Environment |
| 48 | Akampurira Susan           | Ministry of Water and Environment |
| 49 | Rita Kiteme                | Ministry of Water and Environment |
| 50 | Katto David                | Ministry of Water and Environment |
| 51 | Koburamuzi Brenda          | MWE/DWRM                          |
| 52 | Andrew N. Akasibayo        | FAO                               |
| 53 | Munira Gulam               | Smart Cities A                    |
| 54 | Proscovier Vikman          | Buganda Kingdom                   |
| 55 | Grace Kabaganda            | Ministry of Water and Environment |
| 56 | Dominique Berod            | World Meteorological Organization |
| 57 | Odong Joseph               | Ministry of Water and Environment |
| 58 | Muzahuura Rodgers          | Ministry of Water and Environment |
| 59 | Rev. Wilberforce Ssekasiko | UJCC                              |
| 60 | Katongole Joseph           | UWASNET                           |
| 61 | Mulumba Jane Nabunya       | IRC                               |
| 62 | Rehema Aanyu               | UWASNET                           |
| 63 | Charles Jjuko              |                                   |
| 64 | Asiimwe Michael            | Ministry of Water and Environment |
| 65 | Mutumba Alex               | 4BA                               |
| 66 | Isaac Katwesige            | Ministry of Water and Environment |
| 67 | Abaho Joseph               | Ministry of Water and Environment |
| 68 | Namurebire Yosam           | Ministry of Water and Environment |
| 69 | Moses Asiimwe              | IRC                               |
| 70 | Patrick Musinguzi          | Makerere University               |
| 71 | Ann Namakula               | Contour Consult                   |
| 72 | Robert Mutibwa             | Ministry of Water and Environment |
| 73 | Eng. Henry Francis Okinyal | Deputy Board Chair                |
| 74 | Emmanuel Arinaitwe         | ITWA                              |
| 75 | Aheebwa Julius             | Ministry of Water and Environment |
| 76 | Philemon Okilong           |                                   |
| 77 | Nantongo Tania             | Buganda Kingdom                   |
| 78 | Bumba Macdonald            | Buganda Kingdom                   |
| 79 | Kasujja Maimunah           | MWE                               |
| 80 | Victoria Kinobe Nakatudde  | DWRM/MWE                          |
| 81 | Nayiga Florence            | FSSD/MWE                          |
| 82 | Nicholas Kiggundu          | Makerere University               |

|    |                        |                                   |
|----|------------------------|-----------------------------------|
| 83 | Spera Atuhairwe        | Life Water International          |
| 84 | Moses Mununzi          | VI-Agro forestry organisation     |
| 85 | Rosemirta Birungi      | AFID/NILE/WRM                     |
| 86 | Nantongo Annette Kezia | Ministry of Water and Environment |
| 87 | Nancy Mary Nahabbo     | Ministry of Water and Environment |

**Table 6: Technical Organizing Committee members**

|    |   |                                   |
|----|---|-----------------------------------|
| No | Dr Callist Tindimugaya- Commissioner, MWE (Chair) | Ministry of Water and Environment |
| 1  | Dr. Nicholas Kiggundu (Vice Chair)                | Makerere University               |
| 2  | Rosemirta Birungi                                 | AFID                              |
| 3  | Daniel Opwanya-                                   | PVT                               |
| 4  | Jane Nabuunya Mulumba                             | IRC                               |
| 5  | Cate Nimanya Zziwa-                               | UNICEF                            |
| 6  | Joseph Epitu-                                     | Ministry of Water and Environment |
| 7  | Margaret Mwebesa Athieno                          | Ministry of Water and Environment |
| 8  | Dr. Yazihdi Bamutaze                              | Makerere University               |
| 9  | Eng. Sonko Kiwanuka                               | WSS                               |
| 10 | Dr. Ronald Semyalo                                | Makerere University               |
| 11 | Dr. Lawrence Orikiriza                            | Makerere University               |
| 12 | Dr. Patrick Musinguzi                             | Makerere University               |
| 13 | Mr. John Okiira                                   | ACODE                             |
| 14 | Ms. Mary Namukose-                                | GIZ NatuRes                       |
| 15 | Mr. Ssenyondo Vincent                             | Buganda Kingdom                   |
| 16 | Paul Oloya  | Life Water International          |
| 17 | Lucky Brian                                       | FRA                               |
| 18 | Grace Katuramu                                    | Private                           |
| 19 | Godfrey Katumba                                   | Ministry of Water and Environment |
| 20 | Sowed Sewagudde                                   | Ministry of Water and Environment |
| 21 | Nathan Mununuzi                                   | Ministry of Water and Environment |
| 22 | Ritah Kyategeka-                                  | WWF                               |
| 23 | Robert Mutiibwa                                   | Ministry of Water and Environment |
| 24 | Henry Kizito                                      | Ministry of Water and Environment |
| 25 | Ronald Nyakana -                                  | Ministry of Water and Environment |
| 26 | Cotilda Nakyeyune -                               | CARE-U                            |
| 27 | Vikiman Proscovier                                | Buganda Kingdom                   |
| 28 | Azizi   | Buganda Kingdom                   |
| 29 | Julius Aheebwa                                    | Ministry of Water and Environment |
| 30 | Carol Kagaba                                      | Ministry of Water and Environment |
| 31 | Moses Asiimwe                                     | IRC                               |
| 32 | Bikirwa Miriam                                    | Ministry of Water and Environment |
| 33 | Michael Asiimwe                                   | Ministry of Water and Environment |

**Table 7: Technical Organizing Committee and their Roles**

|   | Name of Committee                | Key Roles  | Composition  |
|---|----------------------------------|--|--|
| 1 | <b>Applied Trainings</b>         | <ul style="list-style-type: none"> <li>• Coordinate applied training during the event</li> <li>• Coordinate note taking with the session rapporteur</li> <li>• Assign and coordinate session moderators and rapporteur</li> <li>•</li> </ul>   | <p><b>Chair: Mr. Joseph Epitu</b></p> <p>Mr. Mr Michael Asimwe<br/>           Ms Miriam Bikirwa<br/>           Ms Cate Nimanya<br/>           Mr Nathan Mununuzi<br/>           Mr Wilbrord Turimaso<br/>           Mr Sempabuka Michael</p>   |
|   | <b>Dialogues</b>                 | <ul style="list-style-type: none"> <li>• Source for keynote presenter and panellists</li> <li>• Follow up with the keynote presenter and panellist to submit all the necessary information; bio data and presentation where necessary</li> <li>• Coordinate key note speakers and discussants to ensure presentations are in line with the themes</li> <li>• Develop key guiding questions for the panellists.</li> <li>• Coordinate note taking with the session rapporteur</li> <li>• Assign and coordinate session moderators and rapporteur</li> </ul> | <p><b>Chair: Mr. Solomon Kyeyune</b></p> <p>Mr John Okiira<br/>           Mr Lucky Brian<br/>           Ms Grace Katuramu<br/>           Mr Joshua Mugabi Nyombi<br/>           Eng. Peter Nyakana<br/>           Ms Brenda Achiro –WfP<br/>           Ms Vikman Proscovier Nanyonjo</p> |
| 3 | <b>Field Trips</b>               | <ul style="list-style-type: none"> <li>• Organise and coordinate field visits</li> <li>• Coordinate note taking with the session rapporteur</li> <li>• Assign and coordinate session moderators and rapporteur</li> </ul>  | <p><b>Chair: Ms Mary Namukose</b></p> <p>Mr Nelson Waiswa<br/>           Mr Martin Rwarinda<br/>           Mr Bumba<br/>           Mr Paul Oloya<br/>           Mr Francis Xavier Kizito<br/>           Ms Spera Atuhairwe<br/>           Mr. Ssenyondo Vincent</p>                      |
| 4 | <b>Publication sub-Committee</b> | <ul style="list-style-type: none"> <li>• Prepare, Review and update all proceedings of UWEWK 2022</li> <li>• Publish Proceeding for UWEWK 2022</li> <li>• Prepare and Design summary report for UWEWK 2022</li> </ul>  | <p><b>Chair: Mr Solomon Kyeyune</b></p> <p>Eng. Daniel Opwonya<br/>           Mr Edwin Cole</p>  |

|   |                           |  |  |
|---|---------------------------|--|--|
|   |                           | <ul style="list-style-type: none"> <li>• Preparation of evaluation reports</li> <li>• Prepare summary of outcomes of UWEWK 2022</li> <li>• Coordinate note taking and reporting UWEWK 2022 activities</li> </ul>   | <p>Mr Kizito Francis Xavier<br/> Ms Naomi Kabarungi<br/> Ms Ritah Kyategeka-WWF<br/> Mr Emmanuel Ariniatwe<br/> Kimosho<br/> Mr Steven Tumwesige</p>   |
| 5 | <b>Paper presentation</b> | <ul style="list-style-type: none"> <li>• Develop the Full paper and template</li> <li>• Develop format for paper presentation and also support presenters in preparing presentations</li> <li>• Support capacity building of the presenters</li> <li>• Issuing of the call for abstracts</li> <li>• Review the quality of all the received abstracts and Assign presentations to relevant themes</li> <li>• Organised and coordinate the write shop.</li> <li>• Follow up on presenters on before the event and also during the event</li> </ul> | <p><b>Chair: Dr. Kiggundu Nicholas</b></p> <p>Ms Natukunda Stacy<br/> Ms Gwendolyn Kyoburungi<br/> Dr. Ronald Semyalo<br/> Dr. Patrick Musinguzi<br/> Ms Rosemirta Birungi<br/> Dr. Lawrence Orikiriza</p> |
| 6 | <b>Program</b>            | <ul style="list-style-type: none"> <li>• Organise and coordinate development of the program</li> <li>• Coordinate and manage the different sessions</li> </ul>   | <p><b>Chair: Eng. Sonko Kiwanuka</b></p> <p>Mr Semambo Muhammad<br/> Mr Michael Sempabuka<br/> Ms Ritah Kyategeka<br/> Mr Bonny Obote</p>  |
| 7 | <b>Youth and Art</b>      | <ul style="list-style-type: none"> <li>• Coordinate and mobilise the youth and the disabled during the event</li> <li>• Develop a skit for the event in line with the theme</li> <li>• Compose a song within the framework of the theme.</li> </ul>  | <p><b>Chair: Edwin Muhumuza</b></p> <p>Lucky Brian<br/> Nantongo Buganda Kingdom</p>   |

**Table 8: UWEWK2022 Rapporteurs List**

|           |                            |   |                   |
|-----------|----------------------------|---|-------------------|
| <b>1</b>  | <b>Sophie Luwano</b>       | <b>Ministry of Water and Environment.</b> | <b>Rapporteur</b> |
| <b>2</b>  | Koburamuzi Brenda          | Ministry of Water and Environment.        | Rapporteur        |
| <b>3</b>  | Namurebire Yosamu          | Ministry of Water and Environment.        | Rapporteur        |
| <b>4</b>  | Mugume Matthew             | Ministry of Water and Environment.        | Rapporteur        |
| <b>5</b>  | Muduwa Diana               | Ministry of Foreign Affairs               | Rapporteur        |
| <b>6</b>  | Enguchu Emmanuel           | Ministry of Water and Environment.        | Rapporteur        |
| <b>7</b>  | Emmanuel Kimosho Arinaitwe | Ministry of Water and Environment.        | Rapporteur        |
| <b>8</b>  | Kyomuhendo Agnes           | Ministry of Water and Environment.        | Rapporteur        |
| <b>9</b>  | Nakabuye Nkugwa Rose       | My People and Culture Association.        | Rapporteur        |
| <b>10</b> | Boonabaana shilla          | Ministry of Water and Environment.        | Rapporteur        |
| <b>11</b> | Sande Alison Oundo         | Tororo General Hospital                   | Rapporteur        |
| <b>12</b> | Pamela Musimenta           | Ministry of Water and Environment.        | Rapporteur        |
| <b>13</b> | Allen Pamela Kanzira       | Ministry of Water and Environment         | Rapporteur        |
| <b>14</b> | Edyangu Jude               | Ministry of Water and Environment         | Rapporteur        |
| <b>15</b> | Ayebazibwe Pedison         | Ministry of Water and Environment         | Rapporteur        |
| <b>16</b> | Joseph Abaho               | Ministry of Water and Environment         | Rapporteur        |
| <b>17</b> | Bonny Emmanuel Obote       | Ministry of Water and Environment         | Rapporteur        |
| <b>18</b> | Raymond Rojwara            | Ministry of Water and Environment         | Rapporteur        |

Table 9: Proposed Committees, Key Roles and Composition for UWEWK2022

| Committee   | Key Roles   |
|---|---|
| <p>1 <b>National Organising Committee (NOC)</b></p> | <ul style="list-style-type: none"> <li>• Oversee the preparation, implementation and reporting on UWEWK 2022</li> <li>• Create synergy within MDAs; private sector, NGOs, Academia, DPs, and Individuals</li> <li>• Plan and achieve political buy-in</li> <li>• Constitute and coordinate sub-committee operations</li> <li>• Mobilise resources for the UWEWK 2022</li> <li>• Convene meetings and make key decisions for UWEWK 2022</li> <li>• Decide on Key Guests and Invite them</li> </ul>   |
| <p><b>Secretariat</b></p>                           | <ul style="list-style-type: none"> <li>• Keeping the team informed of progress</li> <li>• Source for suppliers of goods and services</li> <li>• Take NOC minutes and follow up actions with various sub-committees</li> <li>• Support NOC chair in scheduling and organizing meetings</li> <li>• Consolidate sub-committee information</li> <li>• Prepare awards and certificates</li> <li>• Liaise and support events committee in procuring and managing event managers</li> <li>• Work with support from the protocol committee to prepare list of invitees and coordinate invitation of participants</li> <li>• Manage and coordinate registration of participants with the events committee</li> <li>• Support the Technical Committee in documentation and reporting the event</li> <li>• Coordinate implementation, follow up actions for UWEWK 2022 and arrange timely preparation for subsequent events.</li> <li>• Coordinate printing of reports, summary outcomes and all proceedings with the publication committee.</li> <li>• Liaise and support all sub committees in preparation of documentation and keeping records</li> </ul> |
| <p>3 <b>Technical</b></p>                           | <ul style="list-style-type: none"> <li>• Develop templates, issuing the call for abstracts, papers and follow up on presenters</li> <li>• Coordinate key note speakers and discussants to ensure presentations are in line with the themes</li> <li>• Support capacity building of the presenters</li> <li>• Review all papers and provide feedback to authors; ensure quality of papers and presentations</li> <li>• Assign presentations to relevant themes</li> <li>• Assign and coordinate session chairs and conveners</li> </ul>  |

|   |  |
|---|--|
|   | <ul style="list-style-type: none"> <li>• Coordinate note taking and reporting UWEWK 2022 activities</li> <li>• Develop the program for the entire event</li> <li>• Coordinate hosting of side events</li> <li>• Organise and coordinate field visits</li> <li>• Harmonise criteria for the provision of awards to ensure value to recipients and the providers in respective categories</li> <li>• Institute independent judges to identify individuals and institutions qualified to receive awards</li> </ul>  |
| 4 | <b>Communication and Publicity</b> <ul style="list-style-type: none"> <li>• Develop communication plan and budget for UWEWK 2022</li> <li>• Manage communication pre, during and post event communication activities</li> <li>• Develop communication materials for use before, during and after the event</li> <li>• Secure space for media activities and identify discussants</li> <li>• Develop the format for daily updates on the UWEWK 2022</li> <li>• Prepare and share daily updates on UWEWK 2022</li> <li>• Develop an App for the UWEWK 2022</li> </ul>  |
| 5 | <b>Events and Exhibitions</b> <ul style="list-style-type: none"> <li>• Venue site planning and set up</li> <li>• Collaborate with secretariat on sources for suppliers of goods and services</li> <li>• Plan and budget for events and exhibitions</li> <li>• Reach out to potential exhibitors</li> <li>• Evaluate exhibitions and identify winners</li> <li>• Identify and allocate space in line with the planned sessions and exhibitions</li> <li>• Coordinate assessment and organise awards for the exhibitors;</li> <li>• Ensure that there is appropriate sanitation and hygiene facilities at the venue</li> <li>• Manage and coordinate ushering of guests and delegates</li> <li>• Liaise with secretariat to ensure that appropriate and reliable information on accommodation for foreign and upcountry delegates is sourced and provided</li> </ul> |
| 6 | <b>Security and Transport</b> <ul style="list-style-type: none"> <li>• Secure the venue and premises</li> <li>• Organise travel of participants to and from the venue</li> <li>• Manage protocol for VIPs <ul style="list-style-type: none"> <li>○ Mandated to Protect the Guest of Honour</li> <li>○ Protect guests, VIPs delegates and support staff.</li> <li>○ Ensure security of conference halls and events</li> <li>○ Secure routes to and from the conference venue</li> <li>○ Ensure security of conference halls and events</li> </ul> </li> <li>• Provide accreditations/name tags</li> </ul>   |



|   |   |
|---|---|
| 7<br><b>Finance and Resource Mobilization</b> | <ul style="list-style-type: none"> <li>• Identify potential sources of funds within and outside MWE</li> <li>• Mobilizing funds for the UWEWK 2022 event</li> <li>• Prepare budget for the UWEWK 2022 conference through consolidation of the various sub-committee budgets into one overall budget</li> <li>• Manage the financial resources for the UWEWK 2022 conference</li> <li>• Sanction requisition of funds to facilitate sub-committees' operations</li> <li>• Maintain up to date financial statement for the operations of the conference</li> <li>• Ensure disbursement of funds in accordance with the approved guidelines</li> <li>• Receive and manage payments</li> <li>• Follow up on accountability for funds advanced for the conference activities</li> <li>• Prepare final financial report for the conference and ensure proper closure of the account.</li> </ul> |
| 8<br><b>Sector Day Celebrations</b>           | <ul style="list-style-type: none"> <li>• Plan and coordinate the organising of the International sector days (World Water Day, World Forest Day, World Meteorology Day)</li> <li>• Liaise with the respective sector leads to ensure adequate participation and involvement of relevant stakeholders</li> <li>• Support and mobilise relevant resources</li> <li>• Identify and follow up the participation of relevant dignitaries including the guest of honour</li> <li>• Identify and coordinate participation of schools and neighbouring communities</li> <li>• Liaise with Entebbe Municipal leaders and relevant security agencies in the planning and holding of the sector days</li> <li>• Liaise with the secretariat and events in the sourcing of goods and services</li> </ul>  |
| 9<br><b>Regional Participation</b>            | <ul style="list-style-type: none"> <li>• Plan and coordinate the participation of the ministry regional structures in UWEWK 2022</li> <li>• Develop activities and budget for the regional activities</li> <li>• Mobilise relevant stakeholder and partners to participate and support UWEWK 2022 activities at the regional level</li> <li>• Provide regular update to NOC on progress and provide a report at the end of the events</li> </ul>  |
| 10<br><b>Protocol</b>                         | <ul style="list-style-type: none"> <li>• Collaborate with Security and transport on protocol issues</li> <li>• Coordinate with the transport team on the movement of the delegates to ensure timely and orderly participation;</li> <li>• Make and send invitations.</li> <li>• Create suitable seating arrangements.</li> </ul>  |

|                        |   |
|------------------------|---|
|                        | <ul style="list-style-type: none"> <li>• Schedule and book transportation.</li> <li>• Arrange lodging and accommodations.</li> <li>• Keep a list of key business leaders and government officials.</li> </ul>   |
| 11 <b>Publications</b> | <ul style="list-style-type: none"> <li>• Prepare, Review and update all proceedings of UWEWK 2022</li> <li>• Publish Proceeding for UWEWK 2022</li> <li>• Prepare and Design summary report for UWEWK 2022</li> <li>• Preparation of evaluation reports</li> <li>• Prepare summary of outcomes of UWEWK 2022</li> <li>• Specific outputs:UWEWK2022 Magazine, Post event supplements in Newspapers (New Vision &amp; Monitor), Publications in scientific journals /magazine, Formal Communication to respective entities for tasks related to them; Update the ministry outreach resources like the Websites, WRI etc.</li> </ul> |
| 12 <b>Walkers</b>      | <ul style="list-style-type: none"> <li>• Develop a concept note for the walkers' activities</li> <li>• Develop a budget for the walkers' activities.</li> <li>• Develop a plan on how the walking activities are going to be.</li> <li>• Coordinate the walking activity with the regional offices.</li> <li>• Publish documentation for the walking activities.</li> </ul>   |

### A.3: Programme, Presentations and Papers at UWEWK2022

Table 10: Original Programme for the Uganda Water and Environment Week 2022

| UWEWK 2022 PRE-EVENT ACTIVITIES |  |
|---------------------------------|--|
| 3rd - 19th March 2022           | PRE-EVENT #1: 450km Walk for Water, Environment and Climate Change from MWE headquarters (Kampala) to Lira City (3rd March 2022 to 18th March 2022)  |
|                                 | PRE-EVENT #2: Celebration of UWEWK regional activities in 6 regional de-concentrated structures of MWE ((7th to 18th March 2022)   |
|                                 | PRE-EVENT #3: Regional Youth Debates in 6 regional deconcentrated structures of MWE (Moroto, Lira, Mbale, Fortportal, Kabale and Kampala) (14th to 18th March 2022)  |
|                                 | PRE-EVENT #4: Clean up exercise in Luzira and Kitintale by MWE management and staff and other stakeholders (18th March 2022)   |
|                                 | PRE-EVENT #5: Water and Environment Week Marathon in Fort Portal and Kampala (20th March 2022)   |
|                                 | PRE-EVENT #6: Prayers for UWEWK by churches under the Uganda Joint Christian Council (20th March 2022)   |
| Sunday 20th March 2022          | <b>OPENING CEREMONY: @ MWE Auditorium and Live on UBC &amp; NBS TVs. and ZOOM</b>  |
|                                 | 13:00 - 14:00 Arrival of Guest of Honour, tour and launch of the UWEWK 2022 Exhibitions  |
|                                 | 14:00 - 14:08 Formal start of UWEWK 2022 opening ceremony (welcome, anthems and prayer)  |
|                                 | 14:08 - 14:18 Overview of UWEWK 2022 by Chairperson, National Organizing Committee   |
|                                 | 14:18 - 14:25 Remarks by <b>Mr. Hans von Schroder</b> -Deputy Ambassador of Germany to Uganda  |
|                                 | 14:25 - 14:32 Remarks by <b>Ms Susan Ngongi Namondo</b> - United Nations Resident Coordinator  |
|                                 | 14:32 - 14:39 Remarks by <b>Rt. Rev. Dr. Bishop Joseph Anthony Zziwa</b> - Chairperson of Uganda Joint Christian Council and Bishop of Kiyinda-Mityana Diocese   |
|                                 | 14:39 - 14:48 Entertainment  |
|                                 | 14:48 - 14:58 Remarks by Hon Sam Cheptoris- Minister of Water and Environment  |
|                                 | 14:58 - 15:12 Opening Speech by Guest of Honour, HE Jessica Alupo- Vice President of Uganda  |
|                                 | 15:12 - 15:17 TV Interlude and Health Break  |
|                                 | 15:17 - 15:47 Key Note Presentation: "Water and Environment for Peace and socio-economic transformation"<br>Key Note Speaker: <b>Dr Joseph Shevel</b> , President - Galilee International Management Institute   |
|                                 | 15:47 - 16:50 <b>Panel Discussion: Ms Elsie Attafua</b> - UNDP Resident Representative; <b>Hon. Otiam Emmanuel Otaala</b> - Chairperson, Natural Resources Committee of Parliament; <b>The Most Rev. Dr. Stephen Kazimba Mugalu</b> -Archbishop of Church of Uganda; <b>Mr Alfred Okot Okidi</b> - Permanent Secretary, MWE; <b>Owek. Mariam Nkalubo Mayanja</b> - Minister of Environment and Bulungibwansi, Buganda Kingdom; <b>Ms Rhoda Tumusiime</b> - Former Commissioner for Rural Economy and Agriculture at African Union Commission<br>Moderator: <b>Maurice Mugisha (UBC)</b> and Mildred Tuhaise (NBS)  |
|                                 | 16:50 - 17:00 Discussions and Feedback   |
| END OF DAY ONE                  |  |
| Monday 21st March 2022          | Dialogue Sub-theme No. 1 - Promoting peace and stability through water and environment resources - (ZOOM)  |
|                                 | <p><b>09:00 - 09:30</b> Key Note Presentation: "Promoting peace and stability through water and environment resources "</p> <p style="text-align: center;">Key Note Speaker: Dr Alan Nicol, Director of Strategic Program on Water, Growth and Inclusion</p> <p><b>09:30 - 10:45 Panel Discussion:</b> Ambassador <b>Julius Kivuna</b> - Commissioner for Regional Peace and Security, Ministry of Foreign Affairs; <b>Brigadier General Felix Kulayigye</b> -Spokesperson, Uganda Peoples Defence Forces; <b>Mr Aggrey Kibenge</b> - Permanent Secretary, Ministry of Gender, Labour and Community Development; <b>Ms Jane Mselle Sembuche</b> - Country Director, Water Aid Uganda/Lead, Water and Sanitation DP Group; <b>Prof Sandy Stevens Tickodri Togboa</b> - Executive Chairman, Kiira Motors and expert on transboundary water issues; <b>Evelyn Acham</b> - Climate Activist and National Coordinator for Rise Up Movement</p> <p style="text-align: center;"><b>Moderator: Eng Gilbert Kimanzi (MWE)</b> and Brenda Achiro (WFP)</p> |
|                                 | <b>10:45 - 11:00</b> Discussions and Feedback  |
| TEA BREAK                       |  |

|  |               |  |  |   |   |   |   |
|--|---------------|--|--|---|---|---|---|
|  | 11:30 - 13:00 | Session 1: Promoting peace and stability through water and environment resources - Policy, Practice & Scientific Papers Presentation - Part I, (DWD Board room) refer to annex i | Session 2: Training: Theory of change- LIFE-AR Project (Climate Change Board room) | Session 3: Training on Implementation of the SDG 6 Manual (Nile Board Board room) | Session 4: Side Event: Official Launch of Commercial Flower Farms Integrated Catchment Management Partnership - GIZ/ MWE (Auditorium) | Session 5: Side Event: Panel Discussion on Mass National Tree Planting, Annual 40 Million Trees, Running out of trees (ROOT) Campaign - FSSD/ NFA/UBL (IREC-NWSC Boardroom) | Session 6: Applied Training: Integrated Water Resources Management for Mushroom Growing - JB International (Zooka Board Room) |
|--|---------------|--|--|---|---|---|---|

**LUNCH BREAK**

**Parallel Sessions (ZOOM) Parallel sessions**

|  |                |  |   |   |  |   |
|--|----------------|--|---|---|--|---|
|  | 14:-00 - 17:00 | Session 7: Promoting peace and stability through water and environment resources - Policy, Practice & Scientific Papers Presentation - Part I, (DWD Board room) refer to | Session 8: Applied training: Rooftop rainwater harvesting for climate change adaptation in Uganda - Step-Up Standards Limited (Climate Change Board room) | Session 9: Training on Implementation of the SDG 6 Manual (Nile Board room) | Session 10: Side Event: PPP Approach for accelerating access to Water and Sanitation in Uganda - National Water and Sewerage Corporation (Zooka Board Room ) | Session 11: Side Event: Communities, wetlands ecosystems and catchments resilient against climate change impacts - UNDP/ MWE (Auditorium) |
|--|----------------|--|---|---|--|---|

**END OF DAY TWO**

**Dialogue Sub-theme No. II -Building resilience to various risks and shocks (ZOOM)**

|               |   |
|---------------|---|
| 09:00 - 09:30 | <b>Key Note Presentation:</b> "Building resilience to various risks and shocks"<br><b>Key Note Speaker:</b> <b>Dr Johannes Culmann</b> , Director of Water and Climate Department, World Meteorological Organization  |
| 09:30 - 10:45 | <b>Panel Discussion:</b> <b>Hon Lawrence Biyika Songa</b> - Chairperson, Parliamentary Committee of Climate Change- Parliament of Uganda; <b>Dr Bariregah Akankwasa</b> - Executive Director, National Environment Management Authority; <b>Ms Dorothy Kisaka</b> - Executive Director, Kampala Capital City Authority; <b>Mr Ricard Gine</b> - Stockholm International Water Institute; <b>Mr.Jonathan Farr</b> , Senior Policy Analyst for Climate Change, Water Aid; <b>Dr Monica Nderitu</b> - Regional Advisor, VI Agro Forestry<br><br>Moderator: Eng Joseph Eyatu (MWE) and Spera Atuhairwe (Life Water) |
| 10:45 - 11:00 | Discussions and Feedback  |

Tuesday 22nd  
March 2022

**TEA BREAK**

|               |   |   |   |   |   |
|---------------|---|---|---|---|---|
| 11:30 - 13:00 | Session 12: Building resilience to various risks and shocks - Policy, Practice & Scientific Papers Presentation, (Nile Board room) refer to annex i | Session 13: Side Event: Strengthening the enabling conditions for social entrepreneurs in the water sector - Turikumwe, Young Water Solutions, WASEU (Zooka | Session 14: Applied Training: Large Scale Solar Powered Water and Irrigation Systems Evaluation using HOMMER and ODYSSEY software - Engineers Without Borders | Session 15: Side Event: UNESCO Intergovernmental Hydrological Program - UNESCO/MWE (Auditorium) | Session 16: Side Event: Anti-Microbial Resistance (AMR) in the Environment - WQMD (Climate Change Board room) |
|---------------|---|---|---|---|---|

**LUNCH BREAK**

Parallel Sessions (ZOOM)  
Parallel sessions

|   |   |  |   |   |   |
|---|---|--|---|---|---|
| 14:-00 - 17:00                                | Session 17: Building resilience to various risks and shocks - Policy, Practice & Scientific Papers Presentation,(DWD Board room) refer to annex i                   | Session 18: Side Event: Climate Change through Catchment Based Integrated Management of Water and Related Resources in Uganda (EURECCCA Project) - MWE/OSS | Session 19: The Catchment Stewardship Approach in Practice - Lessons from the Natural Resources Stewardship Programme (NatuReS) - (Nile Board room) | Session 20: Side Event: Celebration of World Water Day - MWE (MWE Compound)         | Session 21: Side Event: Panel Discussion: Payment for Water Services by Refugees- GIZ -WATSSUP (Zooka Board room) |
| <b>END OF DAY THREE</b>                       |   |  |   |   |   |
| <b>Parallel Sessions (ZOOM)</b>               |   |  |   |   |   |
| 09:-00 - 13:00                                | Session 22: Side Event: Launch of Green Growth Report - GIZ (Auditorium)  | Session 23: Side Event: Commemoration of International Day for Forest in Mubende District -  | Session 24: Applied Training: Decentralized Climate Financing - LIFE-AR (Nile Board room)   | Session 25: Bulungibwansi Field trip to Myanzi in Mityana District -Buganda Kingdom | Session 26: Adaptive programming for WASH climate resilience -WaterAid (Zooka                                     |
| <b>TEA BREAK</b>                              |   |  |   |   |   |
| <b>LUNCH BREAK</b>                            |   |  |   |   |   |
| Parallel Sessions (ZOOM)<br>Parallel sessions |   |  |   |   |   |
| 14:-00 - 17:00                                | Session 27: Building resilience to various risks and shocks - Technical Presentation 6) Policy, Practice & Scientific Papers Presentation,(DWD Board room) refer to | Session 28: Career Talk for young professionals (Nile Board Room)  | Session 29: Water and Environmental Resources Business Incubation for Job, Employment and Wealth Creation - MWE- EHCAL-KAB (Zooka Board             | Session 30: Side Event: Official Launch of LIFE-AR Project - MWE (Auditorium)       | Session 31: Side Event: Celebration of World Meteorological Day- UNMA (MWE Compound)                              |

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| <b>END OF DAY FOUR</b>   |   |  |  |   |  |
| Dialogue Session No. III - Financing Water, Environment and Climate Change- ZOOM |   |  |  |   |  |
| 09:00 - 09:30  | Key note presentation: Financing Water, Environment and Climate Change<br>Key Note Speaker: Dr Fred Muhumuza, Researcher, Makerere University   |  |  |   |  |
| 09:30 - 10:45  | <b>Panel Discussions: Hon Silas Aogon-</b> Chairperson, Parliamentary Forum on WASH; <b>Mr Ramathan Ggobi-</b> Permanent Secretary, Ministry of Finance Planning and Economic Development; <b>Mr Anthony Githinji -</b> Country Director, Water.org Kenya; <b>Ms Hellen Kasujja Nakawooya -</b> Deputy Executive Director, CIDI; <b>Mr Steven Asimwe,</b> Executive Director- Private Sector Foundation; <b>Ms Edith Kasajja Kateme-</b> Lead Negotiator for Uganda on Climate Finance<br><br><b>Moderator:</b> Ms. Jane Nabunnya Mulumba, CD IRC and Mr Julius Mukunda, ED CSBAG |  |  |   |  |
| 10:45 - 11:00  | Discussions and Feedback  |  |  |   |  |
| <b>TEA BREAK</b>   |   |  |  |   |  |
| Parallel Sessions (ZOOM) Parallel sessions                                       |   |  |  |   |  |
| 11:30 - 13:00  | Session 32: Financing Water, Environment and Climate Change - Policy, Practice & Scientific Technical Presentation 7  | Session 33: Side event on the hackathon for Universities - Water for People/ WMO/WRI (Climate Change board | Session 34: Side Event: Parish Development Model (PDM) - WRI (Auditorium)          | Session 35: Side Event: Uganda accession process to the Water Convention - MWE/ UNECE (Nile Board room) | Session 36: A Presentation of the Apace Faecel Sludge Management Model, Discussion Of Lessons Learnt for the Operationalization of Small Town FSTP's and Launch and Handover of the Cesspol Emptier t MWE-GIZ (Zooka Board room) |
| <b>LUNCH BREAK</b>   |   |  |  |   |  |
| 14:-00 - 17:00   | Session 37: Financing Water, Environment and Climate Change Policy, Practice & Scientific Paper   | Session 38: Side Event: Graduation of Mentees - WRI - Mentorship Programme (MWE Auditorium)                | Session 39: Training on groundwater "making the invisible resource visible" - DWRM | Session 40: Side Event: Sustainable Water and Sanitation (WASH) Financing- Water.org (Zooka Board room) | Session 41: training on supporting Uganda's Climate Resilience in Water Resources Management   |
| <b>END OF DAY FIVE</b>   |   |  |  |   |  |

|                        |  |   |  |   |             |                         |
|------------------------|--|---|--|---|-------------|-------------------------|
| Friday 25th March 2022 | Dialogue Sub-theme No. IV - Partnerships and inter-sectoral collaboration in water and environment management and development - (ZOOM) Parallel sessions |   |  |   |             |                         |
|                        | 09:00 - 09:30  | <b>Key note presentation:</b> Partnerships and inter-sectoral collaboration in water and environment management and development<br><b>Key Note Presenter:</b> Dr Patrick Moriarty , Chief Executive Officer- IRC  |  |   |             |                         |
|                        | 09:30 - 10:45  | <b>Panel Discussions:</b> Mr.Stuart Worsley- Green Economy Coalition Countries Programme Director; Mr Richard Rwabuhinga - Chairman, Uganda Local Governments' Association; Prof Alex Ariho - Director General, Excel Hort Consult; Ms Pheona Nabasa Wall - President, Uganda Law Society; Mr Deo Kayemba - Chairperson, Uganda Manufacturers Association; Mr Tom Okello- Executive Director, National Forest Authority<br><b>Moderator:</b> Dr Florence Grace Adongo (MWE) and Rosemirta Birungi (AFID)  |  |   |             |                         |
|                        | 10:45 - 11:00  | Discussions and Feedback  |  |   |             |                         |
|                        | <b>TEA BREAK</b>   |   |  |   |             |                         |
|                        | 11:30 - 13:00  | Session 42: Partnerships and inter-sectoral collaboration in water and environment management and development Policy, Practice & Scientific   | Session 43: Applied Training on Assets Analysis - Water for People (Nile Board room) | Session 44: Side Event: Youth Debate -Youth Go Green (IREC Board room - NWSC) | Session 45: | Session 47: Side Event: |
|                        | <b>LUNCH BREAK</b>   |   |  |   |             |                         |
|                        | <b>UWEWK2022 WRAP UP &amp; CLOSING CEREMONY: SESSION CHAIR - PS MWE @ MWE Auditorium and Live on UBC &amp; NBS TVs. and ZOOM</b>                         |   |  |   |             |                         |
|                        | 13:00 - 14:00  | Arrival of the Guest of honour, Tour of the Exhibition  |  |   |             |                         |
|                        | 14:00 - 14:05  | Formal start of UWEWK 2022 closing ceremony (welcome, anthems and prayer)   |  |   |             |                         |
|                        | 14:05 - 14:10  | Entertainment   |  |   |             |                         |
|                        | 14:10 - 14:25  | Summary Outcomes of UWEWK2022 - Chairman, UWEWK Technical Sub-Committee   |  |   |             |                         |
|                        | 14:25 - 16:00  | <b>Panel Discussion on outcomes of UWEWK2022:</b> Prof Joy Kwesiga - Vice Chancellor, Kabale University; Mr Antonio Querido - Country Representative, Food and Agricultural Organization; Mr David Dduli - Country Director, WWF; Mr Alex Crook-East Africa Climate and Environment Advisor at the British High Commission Chair of the Environment and Climate Change DPG; Prof Dr Eng Badru Kiggundu- Chairman, Board of Directors, National Water and Sewerage Corporation; Ms Lilly Ajarova- Chief Executive Officer, Uganda Tourism Board<br><b>Moderator:</b> Maurice Mugisha (UBC) and Mildred Tuhaise (NBS) |  |   |             |                         |
|                        | 16:00 - 16:30  | Giving of Awards and launch of key sector documents   |  |   |             |                         |
|                        | 16:30 - 16:35  | Remarks by Dr. Roswitha Kremer- Head of Mission, Austria Development Cooperation in Uganda  |  |   |             |                         |
|                        | 16:35 - 16:40  | Remarks by Hon. Beatrice Anywar- Minister of State for Environment  |  |   |             |                         |
|                        | 16:40 - 17:00  | Closing Speech by Guest of Honour, Hon. Rebecca Alitwala Kadaga- First Deputy Prime Minister and Minister of East African   |  |   |             |                         |
|                        | <b>END OF UWEWK 2022 CONFERENCE</b>  |   |  |   |             |                         |
|                        | <b>POST EVENT ACTIVITIES</b>   |   |  |   |             |                         |
|                        | <b>POST-EVENT #1: Launch of GIZ - NATURES Gulu stewardship program</b>   |   |  |   |             |                         |

Table 11: List of Abstracts and Papers submitted for UWEWK2022

| <b>Theme: Promoting peace and stability through water and renvironment resources</b> |                             |                       |  |                            |
|--|-----------------------------|-----------------------|--|----------------------------|
| <b>S/No</b>  | <b>Date of Presentation</b> | <b>Name</b>           | <b>Title</b>   | <b>Presentation Format</b> |
| 1  | <b>21st March 2022</b>      | Pule Johnson          | Equitable and reasonable sharing of Trans-boundary water Resources- an approach to developing and agreeing on a new Lake Victoria water release policy | oral                       |
| 2  |                             | Kataratambi David     | Role of Basin Water Allocation Plans in Promoting Peace and Stability  | Oral                       |
| 3  |                             | Ringe Florence        | Sufficient access to water in rural communities of Kaberamaido and Kalaki have enhanced peace in communities   | oral                       |
| 4  |                             | Kizza Michael         | The Nile River Basin Management Plan and the Nile Basin Investment Program- Coordinated Approach for Sustainable Basin Planning and Development        | oral                       |
| 5  |                             | George Sanga          | Regional, Country, And Community Level Partnerships For Peace And Socio-Economic Transformation, Case Study Of IGAD Region                             | Oral                       |
| 6  |                             | Kayongo Geoffrey      | WASH, development displacement and community resilience  | oral                       |
| <b>Theme Building resilience to various risks and shocks</b>                         |                             |                       |  |                            |
|  |                             | <b>Name</b>           | <b>Title</b>   | <b>Presentation Format</b> |
| 7  | <b>22nd March 2022</b>      | Kizito Francis Xavier | Role of monitoring hydrogeological network through telemetry systems to the socio-economic transformation of Uganda                                    | Oral                       |

|    |  |                        |  |      |
|----|--|------------------------|--|------|
| 8  |  | Kwikiriza Benon        | Groundwater Monitoring-The Importance of Long-term Data  | Oral |
| 9  |  | Ocoromac Denis         | Management of siltation at the intake water structure on river Malaba  | Oral |
| 10 |  | Owomuhangi Lynette     | Environmentally Friendly Disposal of Faecal Sludge in Areas With No Treatment Facilities                               | Oral |
| 11 |  | Kamoga Arafa           | Agroecology A blessing to community resilience in the face of Climate Change   | Oral |
| 12 |  | Tindimugaya Callist    | Groundwater resources management for sustainable socio-economic development in Uganda status, challenges and prospects | Oral |
| 13 |  | Annette Nantongo       | Local actions to mitigate impacts of climate change experiences from EURECCCA Project                                  | Oral |
| 14 |  | Kakuru Willy           | Communities, wetlands ecosystems and catchments resilient against climate change impacts                               | Oral |
| 15 |  | Okettayot Stanley Lobi | Groundwater monitoring using CTD divers: Experience from the Mid-western Uganda region                                 | Oral |
| 16 |  | Mugenyi David          | Spatial and temporal Land use landcover changes in the Murchison Bay catchment in Uganda                               | Oral |
| 17 |  | Ntege Ivan             | Assessing the Effect of Irrigation Water Management Strategies on Napier Productivity                                  | Oral |
| 18 |  | Aboth Jackline         | Impact of Land Use Land Cover Within a Well's Micro Watershed On the Water Quality                                     | Oral |



|    |                 |   |  |      |
|----|-----------------|---|--|------|
| 19 |                 | Natenge Ashabrick                                     | Assessment of the effectiveness of gravity-driven membrane (GDM) filtration in the treatment of surface water: An analysis of vital water physio-chemical and microbial parameters | Oral |
| 20 | 23rd March 2022 | Natenge Ashabrick                                     | Sorting The Menace Caused By Solid Waste Through Innovation And Applied Research: A Pilot Project By The Appropriate Technology Center, Mukono District                            | Oral |
| 21 |                 | Guma B. Emmanuel                                      | Catchment Based Water Resources Management as a tool for Flood attenuation in the Nyamwamba Catchment, Rwenzori Region, Uganda   | Oral |
| 22 |                 | Kerudong A. Paskwale                                  | Regulatory compliance to water use and waste discharge in Mpanga catchment- Albert Water Management Zone   | Oral |
| 23 |                 | Waiswa Emmanuel                                       | Modelling water demands and efficient water use in River Malaba catchment  | Oral |
| 24 |                 | Musota Richard  | Experiences on Community Led Establishment Of Locally Made Improved Energy Saving Cook-stoves as an Alternative Livelihood and Biomass Saving Agent in Aswa Catchment              | Oral |
| 25 |                 | Tumuhaire Raymond                                     | Biodigesters, a means clean energy, organic farming and environment conservation   | Oral |
| 26 |                 | Tumusiime Moses                                       | Impacts of Climate Change on Water Yield in Lake Kyoga Catchment   | Oral |
| 27 |                 | Tumusiime Peter Edmonds                               | Enhancing the resilience of communities in Awoja to the risks and shocks of climate change and environmental degradation   | Oral |
|    |                 | <b>Financing Water Environment and climate change</b> |  |      |

|   |                        | <b>Name</b>              | <b>Title</b>   | <b>Presentation Format</b> |
|---|------------------------|--------------------------|--|----------------------------|
| 28  | <b>24th March 2022</b> | Tumuhairwe Sam Franklin  | payment for watershed services for improved productivity and livelihood  | Oral                       |
| 29  |                        | Ogwang Denis             | Using technology innovation to create sustainable financing for water source management: Lessons from the implementation of WaterKit innovation in Northern Uganda         | Oral                       |
| 30  |                        | Oola Nobert              | Financing WASH focused interventions in northern, Central and Western Uganda   | Oral                       |
| 31  |                        | Ainebyoona Antony        | Blending the learning caravans and Cost recovery planning approach to improve O&M of WASH facilities in institutions   | Oral                       |
| 32  |                        | Guma Gilbert             | Sustainable Water and Sanitation Financing; A Case of Commercial loans in the Financial Market in Uganda   | Oral                       |
| 33  |                        | Namukuve Fauza           | Household's willingness to pay for Improved Solid Waste Collection Services in Mukono Municipality, Uganda   | Oral                       |
| <b>Partnerships and intersectoral collaboration in Water and Environment Management and development</b> |                        |                          |  |                            |
|   |                        | <b>Name</b>              | <b>Title</b>   | <b>Presentation Format</b> |
| 34  | <b>25th March 2022</b> | Muhirirwe Sandra Cecilia | Assessment of water quality for dairy cattle in the Rwenzori region with a focus on heavy metals   | Oral                       |
| 35  |                        | Achiro Brenda            | Working with Kamwenge District Local government to support realisation of the human rights to water and sanitation: Ensuring Equitable water services among the vulnerable | Oral                       |

|    |  |                       |   |      |
|----|--|-----------------------|---|------|
| 36 |  | Dominique Berod       | Inter-Sectoral Collaboration in Water Management Through Data sharing   | Oral |
| 37 |  | Okello John Robert    | Maximizing project results through local partnerships Lessons from IWAS II Innovations  | Oral |
| 38 |  | Mubangizi Aloysius    | Developing a real-time lowland rice irrigation scheduling decision support system   | Oral |
| 39 |  | Prottas Chris         | The impact of self-help groups on rural water functionality, financing, and sustainability  | Oral |
| 40 |  | Bogere Robert         | A community lead approach to Flood Management in Agago sub catchment  | Oral |
| 41 |  | Ayoreka Mary Concepta | Collaborative approach to Sanitation and Hygiene Improvement in Kabarole district, Uganda   | Oral |
| 42 |  | Musinguzi Patrick     | Development of Enviroewatch Mobile App for increased community surveillance in monitoring catchment degradation and restoration along River Rwizi | Oral |
| 43 |  | Nancy Mary Nahaboo    |   | Oral |

Poster

| <b>Theme: Promoting peace and stability through water and renvironment resources</b> |                            |                          |   |                            |
|--|----------------------------|--------------------------|---|----------------------------|
| <b>S/No</b>  | <b>Dateof Presentation</b> | <b>Name</b>              | <b>Title</b>  | <b>Presentation Format</b> |
| 1  | <b>21st March 2022</b>     | Akena Henry              | Water and Environment sector refugee response implementation  | Poster                     |
| 2  |                            | Nuwahereza Nelson        | Relaunching Traditional Culture & Construction Of A Ugandan Way Conscious Use Of Water Resource   | Poster                     |
| 3  |                            | Sulagna Mishra           | Participatory and Inclusive Multi-Sectoral Approaches to Water Resources Management at All Levels   | Poster                     |
| 4  |                            | Ajok Pamela Pamcy        | Water provision and peace in the rural areas in the Acholi sub-region   | Poster                     |
| 5  |                            | Katuramu Grace Waako     | Peace Buiding An Integral Part In Fostering Effective Utilisation Of Water Resources – A Case For ENRP In The Igogero- Naigombwa Swamp – Eastern Uganda | Poster                     |
| <b>Theme Building resilience to various risks and shocks</b>                         |                            |                          |   |                            |
| <b>S/No</b>  |                            | <b>Name</b>              | <b>Title</b>  | <b>Presentation Format</b> |
| 6  | <b>22nd March</b>          | Walugendo Kyesa Sulaiman | Walugendo Model Tanks Innovation in Uganda  | Poster                     |
| 7  |                            | Kabaalu Deo              | Influence of Depth, Horizontal Distance and Thermal Regimes on Water Quality in Inner Murchison Bay, Lake Victoria, Uganda                              | Poster                     |

|   |            |                      |  |                            |
|---|------------|----------------------|--|----------------------------|
| 8   |            | Ogwal Bonny          | Removal of ammonia from anaerobic biodigester effluent and absorption as solid ammonium bicarbonate fertilizer                                       | Poster                     |
| 9   | 23rd March | Gyaviira Ssewankambo | Hyper-Monitoring of Algal Blooms, Cleaning and Utilization Chain (HMCUC)   | Poster                     |
| 10  |            | Mulangwa Douglas     | Unprecedented High-Water Levels in Some Water Resources in the Albert Water Management Zone, Lessons Learned and Way Forward                         | Poster                     |
| 11  |            | Herny Mwanje         | Antimicrobial Resistance Containment In The Water And Environment Sector In Uganda Status of implementing AMR Surveillance in the Environment Sector | Poster                     |
| 12  |            | Tumuhaire Raymond    | Promoting the use of Bamboo to reduce the cost of rainwater harvesting   | Poster                     |
|   |            |                      |  |                            |
| <b>Financing Water Environment and climate change</b> |            |                      |  |                            |
| <b>S/No</b>   |            | <b>Name</b>          | <b>Title</b>   | <b>Presentation Format</b> |
| 13  | 24th March | Sheila Ruyondo       | How social entrepreneurs contribute to SDG6 while creating green jobs for youths   | Poster                     |
| 14  |            | Dr Laura Streichert  | COVID-19 response: Empowering women and youth entrepreneurs to repurpose plastic waste   | Poster                     |
| 15  |            | Evelyne Busingye     | Investing in nature to cope and thrive. A case of Community members in Kamrono village, Agago District   | Poster                     |
|   |            |                      |  |                            |

| <b>Partnerships and intersectoral collaboration in Water and Environment Management and development</b> |                   |                              |   |                            |
|---|-------------------|------------------------------|---|----------------------------|
| <b>S/No</b>   |                   | <b>Name</b>                  | <b>Title</b>  | <b>Presentation Format</b> |
| 16  | <b>25th March</b> | Okurut Daniel Samson         | Sustainable Education in Uganda Rainwater Harvesting In Schools   | Poster                     |
| 17  |                   | Katongole Joseph             | A WaSH Scorecard and standard monitoring tool for provision of meaningful feedback to government and other stakeholders | Poster                     |
| 18  |                   | Katongole Joseph             | Ground-testing water functionality and the impact of self-help groups on sustainability                                 | Poster                     |
| 19  |                   | Jibril Semakura Owomugisha - | Involving Local People in Climate Change Resilient Measures   | Poster                     |

#### A.4 Sponsors and Exhibitors at UWEWK2022





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