



UGANDA
W&E
WEEK



UGANDA WATER AND ENVIRONMENT 2024

MINISTRY OF WATER AND ENVIRONMENT

PROGRAMME UWEWK 2024



THEME:

Rethinking collective action and innovative solutions to water,
environment, and climate change crisis in Uganda

Monday 18th March to Friday 22nd March 2024



UGANDA WATER AND ENVIRONMENT WEEK (UWEWK) 2024

Monday 18th March to Friday 22nd March 2024

OVERVIEW

The Uganda Water and Environment Week (UWEWK) is an event that provides an interface among sector actors and other stakeholders for knowledge exchange and dialogue on pertinent water and environment resources issues in Uganda. UWEWK 2024 borrows from the successes and lessons from the last UWEWKs namely **UWEWK 2018, UWEWK 2019, UWEWK 2020, UWEWK 2021, UWEWK 2022 and UWEWK 2024**. It is organized under the theme: **“Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda.”**

The theme is discussed along four sub themes upon which papers, dialogues, side events and applied trainings are organized. The subthemes are *a) Sustainable access and utilization of water and environmental resources for economic development, b) Nature-based solutions to solve water, environment and climate change crisis, c) Resilient built environment and infrastructure in urban settings, and d) Protection of lives, livelihoods, and property to support community resilience and stability.*

The organization of UWEWK involves a number of activities that are undertaken before the actual event, during the event, and after the event. The pre-event activities are carried out in various parts of Uganda, through the 6 regional deconcentrated structures/centres of the Ministry of Water and Environment, to give an opportunity to all stakeholders and the communities to contribute to water and environment resources conservation and protection and to raise awareness about the need to sustainably manage and develop these resources for climate resilient development. The key pre-event and event activities carried out as part of UWEWK2024 are:

Key Pre - Event Activities

1. 518KM Walk for Water, Environment and Climate Change from Fort Portal in Kabalore District through South Western Uganda to the Ministry of Water and Environment headquarters in Kampala (26th February to 14th March 2024)
2. UWEWK regional activities in 6 regional deconcentrated structures/centers of MWE (26th February to 15th March 2024)
3. Regional Youth Debates in 5 regional deconcentrated structures/centers of MWE (Mbarara, Gulu, Mbale, Fortportal, and Kampala) (26th March to 13th March 2024)
4. Community based water and environment restoration, cleaning and awareness programmes undertaken in collaboration with Uganda Joint Christian Council, Buganda kingdom and many other stakeholders (2nd to 15th March 2024)
5. UWEWK 2024 University Hackathon (11th to 13th March 2024)
6. Clean up exercise in Luzira (14th March 2024) by MWE management and staff and other stakeholders
7. Prayers for UWEWK by churches under the Uganda Joint Christian Council (17th March 2024)

Key Event Activities

- a). **Monday 18th March 2024 (09am to 1pm):** Opening ceremony and dialogue on water and environment for **Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda (UBC and NBS TVs and Zoom)**
- b). **Monday 18th March 2024 (2pm to 5pm):** Outcomes from the UWEWK mini events in the 6 regions
- c). **Tuesday 19th March 2024 (09am to 11am):** Dialogue on Sustainable access and utilization of water and environmental resources for economic development. (**Physical and Zoom**)
- d). **Wednesday 20th March 2024 (09am to 11am):** Dialogue on Nature-based solutions to solve water, environment and climate change crisis (**Physical and Zoom**)
- e). **Thursday 21st March 2024 (09am to 11am):** Dialogue on Resilient built environment and infrastructure in urban settings (**Physical and Zoom**)
- f). **Friday 22nd March 2024 (09am to 11am):** Dialogue on Protection of lives, livelihoods, and property to support community resilience and stability (**Physical and Zoom**)
- g). **Friday 22nd March 2024 (09am to 11am):** UWEWK wrap and Closing ceremony (**UBC and NBS TVs, Zoom**)
- h). **Friday 22nd March 2024 (2pm to 5pm):** Commemoration of the international days and UWEWK 2024 Closing ceremony (**UBC and NBS TVs**)
- i). **Tuesday 19th to Friday 22nd March :** Policy, Practice & Scientific Papers Presentation on theme and subthemes (**Physical and Zoom**)
- j). **Tuesday 19th to Friday 22nd March:** Applied trainings related to the theme and sub themes (**Physical and Zoom**)
- k). **Thursday 21st March:** Field visits in line with the theme and sub themes (**Physical and Zoom**)
- l). **Monday 18th to Friday 22nd March:** Side events on subjects related to the theme and sub themes (**Physical and Zoom**)

For more details please refer to the Program below.

**UWEWK 2024
WELCOMES
YOU**



UGANDA WATER AND ENVIRONMENT WEEK (UWEWK) 2024

Monday 18th March to Friday 22nd March 2024

OVERVIEW

The Ministry of Water and Environment (MWE) in collaboration with key partners has so far held six annual Uganda Water and Environment Week (UWEWKs) (2018, 2019, 2020, 2021, 2022 and 2023). These events have attracted high-level political participation including the Vice President, the Prime Minister, Ministers, Members of Parliament of the Republic of Uganda, Local Governments, Cultural and Religious Institutions, and other stakeholders both nationally and internationally. In addition, it offers a platform for the sector professionals, private sector, CSOs and academic communities to present papers, exchange knowledge, and build partnerships, collaborations and networks. The seventh Uganda Water and Environment Week (UWEWK2024) will be held from Monday 18th March to Friday 22nd March 2024. The event will also involve commemoration of annual three sector International Days: International Forest Day (March 21st, March), World Water Day (March 22nd) and World Meteorological Day (March 23rd).

UWEWK2024 will give special focus to the outcomes and recommendations of UWEWK2023, and those key water, environment and climate change related events held since UWEWK2023. It will explore their implications to Uganda and discuss the status of their operationalization or domestication and what needs to be done to ensure that they are fully operationalized. The key water, environment and climate change related events that will be considered include among others the 2023 UN Water Conference and Uganda's commitments to the Water Action Agenda, 2023 SDG Summit 2023 World Biodiversity Summit, Nile Basin Development Forum, African Sanitation Conference (AfricaSan7, Climate Change Conference of Parties (COP28) held in Dubai.

The overall theme of UWEWK 2024 is ***“Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda”***

Under the major theme, there are 4 sub-themes that will help to elaborate on the role of water and environment resources for climate resilient development:

Sub theme 1: Sustainable access and utilization of water and environmental resources for economic development

This sub-theme will address water and environment security as one of the most pressing issues globally, in the region and also in Uganda. I will explore opportunities for accelerating inclusive access to safely managed water and sanitation services in both rural and urban areas, the need to ensure availability of adequate and good quality water for domestic use and for productive purposes; promotion of transboundary water cooperation, scaling up integrated water resources management approaches, protection of the environment and all related ecosystems.

The sub themes will further explore the role of sustainable utilization of water and environment resources to boost Uganda's economy with improved livelihood and protection of communities. It will also highlight the relationships between the water-environment-energy-food nexus approaches with economic and environmental objectives to accomplish the objectives of optimal and sustainable management across all sectors.

Sub theme 2: Nature-based solutions to solve water, environment and climate change crisis

The sub-theme will assess progress made in promoting nature-based solution in Uganda and globally to enhance water harvesting and storage, integrated water resources management approaches, and protection of ecosystems. It will also identify innovative approaches and solutions for scaling up nature based solutions for ensuring resilient water supply systems, livelihood improvements, job creation and accelerating water and environment business incubation

and entrepreneurship. It will assess the need for research and innovations to develop and strengthen climate adaptation strategies; development of several specific approaches that can close the implementation gap for water, sanitation, hygiene, environment and climate change. The sub theme will assist in broadening the understanding importance of nature-based solutions which have emerged globally as one of the sustainable and cost-effective ways to ‘fix’ the broken ecosystem and ultimately integrate communities, nature and heritage.

Sub theme 3: Resilient built environment and infrastructure in urban settings,

This sub-theme aims to establish a better understanding of how to contextualise resilience in the built environment and infrastructure through accelerating inclusive access to safely managed water and sanitation and hygiene services; increasing sanitation, waste water treatment infrastructure and services; improved water services and water security. It will further assess opportunities for incorporating robust urban climate actions in Nationally Determined Contributions (NDCs), as well as enhancement of cooperation between local and national governments on planning, financing and implementation. The sub-theme will further explore opportunities for sustainable climate resilient developments, mitigation and adaptation in cities and urban centres. It will further explore adaptation and mitigation initiatives, technologies, planning and regulations to bridge climate resilient infrastructure development.

Sub theme 4: Protection of lives, livelihoods, and property to support community resilience and stability

This sub-theme will review the status of implementation of the updated Nationally Determined Contributions with respect to water, sanitation and environment. It will assess progress made and the required needs in ensuring resilient water supply systems for domestic and productive uses, promoting sustainable water harvesting and storage, increasing sanitation and waste water treatment infrastructure and services, scaling up integrated water resources management approaches and water use efficiency, and protection of ecosystems. It will also review the relevance of the outcomes of the various water, environment and climate change related events, identify innovative approaches and solutions therein, and assess the role of innovation and technology in addressing water, environment, and climate change challenges.

The sub-theme will explore opportunities for scaling up Uganda’s response to conflict and climate change induced migration and displacement and identify approaches and means of accelerating adaptation and resilience to climate change to prevent loss and damage of lives, livelihood, ecosystems and infrastructure, conflicts, and mobility. The sub theme will stimulate discussions regarding options and mechanisms for mobilizing the required financing to achieve various SDGs. It will further explore opportunities and challenges in scaling-up investment in climate change mitigation and adaptation to increase the resilience of communities, ecosystems and infrastructures.

Overall Goal

The overall goal of UWEWK2024 is to rethink existing approaches and solutions to addressing water, environment, and climate change challenges in Uganda building on outcomes and recommendations of the various global, regional and national water, environment and climate change related events.

Objectives

The objectives of UWEWK 2024 are to:

- a). Review the status of implementation of the outcomes and recommendations of UWEWK2023, and those from key global, regional and national water, environment and climate change related events



- b). Identify innovative approaches and solutions to addressing water, environment, and climate change challenges in Uganda building on outcomes and recommendations of the various global, regional and national water, environment and climate change related events
- c). Deliberate on the contribution of water, sanitation and environment services in economic development, sustainable climate action, and effective public health preparedness.
- d). Explore options and mechanisms for mobilizing the required financing to achieve various SDGs, beyond SDG6, given the difficulty of aligning investment planning across sectors.

UWEEK 2024 WELCOMES YOU



National Organizing Committee



Dr. Callist Tindimugaya
Ag. Director of Water Resources Management
Ministry of Water and Environment
CHAIRPERSON, NATIONAL ORGANIZING
COMMITTEE



Mr. Musota Richard
Ag. Assistant Commissioner, Water Planning
and Allocation
Ministry of Water and Environment
CHAIRPERSON, TECHNICAL COMMITTEE

MEMBERS OF THE ORGANIZING COMMITTEE

No	NAME	ORGANIZATION
1	Mr. Alfred Okot Okidi	Ministry of Water and Environment
2	Dr. Callist Tindimugaya	Ministry of Water and Environment
3	Epitu Joseph	Ministry of Water and Environment
4	Lucy Iyango	Ministry of Water and Environment
5	Sowed Sewaggude	Ministry of Water and Environment
6	Gwendolyn Kyoburungi	Ministry of Water and Environment
7	Dr Rose Christine Kaggwa	National water and Sew3rage Corporation
8	Richard Musota	Ministry of Water and Environment
9	Stephen Emor	Ministry of Water and Environment
10	Abili Steven Gerald	Ministry of Water and Environment
11	Acen Deborah	Ministry of Water and Environment
12	Achiro Brenda	Water for People
13	Achola Susan	Ministry of Water and Environment
14	Ahereza Owen	Ministry of Water and Environment
15	Ahirirwe Leticia	Million Trees International Org
16	Ahumuza Alex	NEMSA
17	Anita Tibasanga	FAO
18	Anne Namakula Serunjogi	Contour Consult Ltd
19	Anthony Wolimbwa	Climate Action Network Uganda
20	Anying Angella	Walkers Association
21	Asiimwe Michael	Ministry of Water and Environment



22	ASP Tumuhairwe Fred	EPPU
23	Atesa Abigail	Ministry of Water and Environment
24	Atuhairwe Christine Rachel	Ministry of Water and Environment
24	Atwiine Matthew Kariisa	Ministry of Water and Environment
25	Awori Maurine	Ministry of Water and Environment
26	Ayebazibwe Cynthia	Ministry of Water and Environment
27	Ayebazibwe Pedison	Ministry of Water and Environment
28	Ayeni Geoffrey	Walkers Association of Uganda
29	Azam K. Henry	Youth Go Green
30	Barbara Nakintu	Ministry of Water and Environment
31	Bob Kazungu	FSSD
32	Bogere Muzamiru	Ministry of Water and Environment
33	Bonny Obote	Ministry of Water and Environment
34	Boonabaana Shillah	Ministry of Water and Environment
35	Byaruhanga Chrispus	Munansi Green Initiative
35	Brenda Achiro	Water For People
36	Bulyaba Hanifa	Ministry of Water and Environment
37	Caroline Niwagaba	Ministry of Water and Environment
38	Ceaser Kimbugwe	Water Aid Uganda
35	Charllote Mwiza	GNCC
36	Christopher Bukenya	UWASNET
37	Cotilda Nakyeeyune	CARE UGANDA
38	Daudi Ndiwalana	PROMOTE UGANDA
39	David K. Ssemwanga	Water for People
40	David Walugembe	Uganda Forest Association
41	David. S.Nsubuga	PROMOTE UGANDA/ROTARY UG
42	Denis Ocoromac	Ministry of Water and Environment
43	Dr Acan Santa Grace	Walkers Association of Uganda
44	Dr Florence Okiriza	Makerere University
45	Dr Irene Nansubuga	National Water and Sewerage Corporation
45	Dr. Brian Guma	Ministry of Water and Environment
47	Dr. Daniel Babikwa	NEMA
48	Dr. Ronald Semyalo	Makerere University
49	Dr.Jibril S.Owomugisha	Million Trees International Org.
50	Dr.Patrick Musinguzi	Makerere University
51	Edward Nyakahuma	Bio Vision Africa
52	Edwin Cole T.	GNCC
53	Edwin Muhumuza	Youth Go Green
54	Edyangu Jude	Ministry of Water and Environment
55	Emmanuel Arinative Kimosho	Ministry of Water and Environment
56	Eng. Hillary Mutabazi	RWSSD
57	Eng. Annette Nantongo	Ministry of Water and Environment
58	Eng. Daniel Opwonya	Consultant
59	Enguchu Emmanuel	Ministry of Water and Environment
70	Eteu Xavier	Ministry of Water and Environment
71	Faith Kanyago	UMI

72	Fiona Mweisgwa	Trade
73	Firimina Acuba	Ministry of Water and Environment
74	Florence Laker	International Water Association
75	Gerald Babi	Ministry of Water and Environment
76	Gikusoka Joseph	Kyambogo University
77	Grace Waako Katuramu	Consultant
78	Hajjat Sebyala	UNMA
79	Hanifah Kasule	Simavi
80	Hiire Ismail	Ministry of Water and Environment
81	Irene Kambedha Bwamiki	Ministry of Water and Environment
82	Isingoma Simon	Ndejje University
83	Jane Nabunnya Mulumba	IRC
84	Joan Asiimwe	GIZ
85	Joan Karungi	Ministry of Water and Environment
86	John Okiira	ACODE
87	Joseph Katongole	UWASNET
88	Joyce Magala Mpalanyi	Consultant
89	Kansiime Charity	Ministry of Water and Environment
90	Kasujja Maimunah	Ministry of Water and Environment
91	Kataratambi David	Ministry of Water and Environment
92	Katusiime Rebecca	Ministry of Water and Environment
93	Kayaga Sarah	Ministry of Water and Environment
94	Kizito Daniel Mulwana	Ministry of Water and Environment
95	Kizito Francis Xavier	Ministry of Water and Environment
96	Koburamuzi Brenda	Ministry of Water and Environment
97	Kyomuhendo Agnes	Ministry of Water and Environment
98	Laker Janet Opira	Ministry of Water and Environment
100	Lubega Boaz	NEMSA
101	Lucky Brian	Food Rights Alliance
102	Malinga Joseph	Ministry of Water and Environment
103	Martin Kityo	UWASNET
104	Maurine Awori	Busitema University
105	Moses Lubanga	Teda-farmers
106	Mugabi Nyombi Joshua	Ministry of Water and Environment
107	Muganga Aggrey	MAADMCCAAN
108	Mugisha Moses	Million Trees International Org
109	Mugume Matthew	Ministry of Water and Environment
110	Mutibwa Robert	Ministry of Water and Environment
111	Mwesigye Lucky Patson	FSSD
112	Nabongho Timothy	Climate Action Network
113	Naboth Mulangira	GNCC
114	Nakitende Mastula	Buganda Youth Council
115	Nambirige Monica	Ministry of Water and Environment
116	Namirembe Gloria	Ministry of Water and Environment
117	Namurebire Yosam	Ministry of Water and Environment



118	Nancy Mary Nahabbo	Ministry of Water and Environment
119	Natukunda Stacey	Ministry of Water and Environment
120	Naturinda Sarah	Ministry of Water and Environment
121	Nayiga Florence	Ministry of Water and Environment
122	Ndibarema Dadinoh	Ministry of Water and Environment
123	Niwagaba Emmanuel	Kabale University
124	Odong Daniel	NEMSA
125	Odong Joseph	Ministry of Water and Environment
126	Ojera Alex Bright	NEMSA
127	Okurut Daniel S.	Ministry of Water and Environment
128	Pamela Musiimenta	Ministry of Water and Environment
129	Patrick Angupale	UEGCL
130	Patrick Ronoh	IWA
131	Pedo Claire Lokeris	Million Trees International Org
132	Phionah Boonabaana	Youth Go Green
133	Prof. Nicholas Kiggundu	Makerere University
134	Prof. Yazidhi Bamutaze	Makerere University
135	Proscovia Vikman	Buganda Kingdom
136	Pule Johnson	Ministry of Water and Environment
137	Queen Karabo	Ministry of Water and Environment
138	Rev. Ssekasiko Wilberforce	Uganda Joint Christian Council
140	Robert Ouma	Ministry of Water and Environment
141	Rodgers Muzahura	Ministry of Water and Environment
142	Rosemirta Birungi	AFID/NILE/IWRM
143	Sarah Namuwenge Mugumya	National Water and Sewerage Corporation
144	Sekindi Isaac	Ministry of Water and Environment
145	Sempabuka Michael	Ministry of Water and Environment
146	SGT Byamugisha	EPPU
147	Solomon Kyeyune	Ministry of Water and Environment
148	Sonko Kiwanuka	WSS Services Ltd
149	Spera Atuhairwe	Life Water International
150	Ssenyondo Vicent	Buganda Kindgom
151	Sseruwo Maria	Ministry of Water and Environment
152	Ssewankambo Gyaviira	Blue Conservation Africa
153	Suresh Kumar Rohilla	IWA
154	Susan Akampurira	Ministry of Water and Environment
155	Trudy Muwanga	Green Building Council Uganda
156	Tumwesige Stephen	Ministry of Water and Environment
157	Twinamatsiko Jastus	FSSD
158	Victoria Kinobe	Ministry of Water and Environment
159	Waiswa Nelson	Ministry of Water and Environment
160	Walusimbi Ibrahim	Buganda Kingdom
161	Washington Otieno	WMO
162	Wilbrod Turimumaso	Ministry of Water and Environment
163	Yvonne Luagali	Water for People

164	Dr. George Wainaina	Sandec Eawag
165	Muramira Lynnette Joan	Ministry of Water and Environment
166	Chelimo Benjamin	Ministry of Water and Environment
167	Waako Tom	Nile Basin Initiative
168	Owimugisha Sarah	Ministry of Water and Environment
169	Nicole Lwanzo	Ministry of Water and Environment
170	Anita Patricia Nanyombi	Ministry of Water and Environment
171	Barbra Apilli	Ministry of Water and Environment
172	Wanga Benjamin	Ministry of Water and Environment
173	Mark Rubarenzya	Rotary Club
174	Rubangakene Patrick	Water Aid
175	Kajumba Rosette	Ministry of Water and Environment
176	Mukalu Abdallah Machy	Ministry of Water and Environment
177	Ratheesh Kumar	Multiple Industries Ltd
178	Dr. Collin Sebuuwufu	
179	George Wainana	
180	Ezra Akampurira	MWE
181	Eng Wilfred Okello	MWE
182	Hillary Natumanya	GWPEA
183	David Walugembe	Uganda Forestry Association
184	Cotilda Nakyeyune	Care International
185	Babirye Allen Nantongo	MUBS
186	Prof. Charles B. Niwagaba	MAK
187	Edmonds Peter Tumusiime	MWE
188	Joyce Nakalema	Contour Consult
189	Kyomuhendo Harriet	MWE
190	Gloria Namirembe	Ministry of Water and Environment
191	Mazximo B. Twinomuhangi	MWE
192	Abudallah Matovu	MWE
193	Kiconco P Claire	MWE
194	Mutwazegye peter	DFCU
195	Lukooya Daniel	Water AID
196	Jacob Angolol	UpEnergy Uganda
197	Nakiboneka shirah jamia	Rotary Club, Central
198	Babirye Allen Nantongo	MUBS
199	Kabonge Ivan	MWE
200	Yiga Ismail Rajah	Nature in Mind
201	Barnabas Mubangizi	MWE
202	Edmonds Peter Tumusiime	Ministry of Water and Environment
203	Gilbert Guma	Water.Org
204	Nicholas Tumwine	Ministry of Water and Environment
205	Teddy N. Galiwango	Buganda Kingdom
206	Godfrey Hashakimana	MWE
207	Amanya Julian	Food Rights Alliance
208	Daniel Abiriga	Makerere University



209	Jovia Kisakye	
210	Niwarinda Aaron	
211	Sam Baker	
212	Mugisha Adam	Ministry of Water and Environment
213	Jude T Kwikiriza	UMI
214	Ocheing Samuel	Ministry of Water and Environment
215	Nakkazi Irene	Ministry of Water and Environment
216	Faith Kanyago	UMI
217	Kiconco Phionah	MWE
218	Hillary Joe Adeku	MWE
219	George Kamugasha	MWE
220	Muledhu Emmanuel	Ministry of Water and Environment
221	Fortunate Kemigyisha	Ministry of Water and Environment
222	Kizito Godfrey Mutebi	Nature in Mind
223	Kongo Mercy	Ministry of Water and Environment
224	Okello Brian Lorika	Youth go Green
225	Dickens Ocheru	Youth Go Green
226	Jacob Dhaafa	Vidiworth Comms
227	Shiango Baseke Augustine	Youth go green
228	Kerudong Acayerach Paskwale	Ministry of Water and Environment
229	Peter Nzabanita	Engineer Without Borders
230	Samuel Jamuliro	KIU America

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Ministry of Water and Environment

Website: www.mwe.go.ug , www.uwewk.mwe.go.ug

For more details please refer to the Program below.

GUESTS

At UWEWK 2024 Opening Ceremony on 18th March 2024
Time 09:30 – 13:00



His Lordship, Justice Alfonse Owiny-Dollo
Chief Justice of Uganda
Guest of Honor

Guests



Hon. Aisha Sekindi
Minister of State for Water
Ministry of Water and
Environment



Hon. Sam Cheptoris
Minister, Ministry of Water and
Environment



Hon. Beatrice Anywar
Minister of State for
Environment
Ministry of Water and
Environment



H.E Susan Ngongi Namondo
United Nations Resident
Coordinator



His Grace, Archbishop Paul
Ssemogerere
Archbishop of Kampala
Archdiocese



Archimandrite Constantine
Mbonabingi
Executive Secretary
Uganda Joint Christian Council



KEY NOTE SPEAKERS AND PANELISTS

Dialogue session on Monday 18th March 2024

Theme: "Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda"

Time 11:20 AM – 1:25 PM

KEY NOTE SPEAKERS



Dr. Mark Smith
**Director General,
International Water
Management Institute**



Eng. Dr. Silver Mugisha
**Managing Director
National Water and Sewerage
Corporation**

Panelists



Prof. Charles Kwesiga
**Executive Director Uganda
Industrial Research Institute**



Anne Nkutu
**Rotary District Governor Elect
(D9213)**



Ms. Kate Kiiza
**Executive Director
CFO, DFCU Bank**



Mr. Antonio Querido
**Country Representative, Food
and Agricultural Organization**



Ms. Grace Stuart Ninsiima
Climate Champion



Mr. Alfred Okot Okidi
Permanent Secretary, MWE



Rt. Rev. Dr. Fred Sheldon Mwesigwa
Bishop of Ankole Diocese and Chancellor of Bishop Stuart University

KEY NOTE SPEAKERS AND PANELISTS

Dialogue session on Tuesday 19th March 2024

Theme: "Sustainable access and utilization of water and environmental resources for economic development"

Time 9:00 AM – 11:00 AM

KEY NOTE SPEAKER



Prof. Dr. Charles Hans Komakech
Nelson Mandela African Institute of Science and Technology

Panelists



Prof. Pamela Mbabazi
Chairperson, NPA



Mr. Ivan Tumuhimbise
Country Director, WWF



Dr. Bernard Amadei
**Founding Member EWB-USA
and EWBI Network**



Dr. Joseph Kobusheshe
**Director Environment, Health,
And Safety
Petroleum Authority Of Uganda**



Ms. Jane Nabunnya Mulumba
**Country Director, IRC Water and
Sanitation Uganda**



Dr. Florence Grace Adongo
**Executive Director,
Nile Basin Initiative**



KEY NOTE SPEAKERS AND PANELISTS

Dialogue session on Wednesday 20th March 2024
Theme: “Nature-based solutions to solve water, environment and climate change crisis”
Time 9:00 AM. – 11:00 AM

KEY NOTE SPEAKER



Dr. Musonda Mumba
Secretary General, Convention on Wetlands

Panelists



Mr. Moses Egaru
Country Representative IUCN



Mr. Frank Turyatunga
Former Director for Africa at United Nations Environment Programme (UNEP)



Dr. Fred Kimaite
Technical Adviser, GIZ/WatSUP



Mr. Tom Sengalama
Team Leader, UNDP



Ms. Laura Muwanguzi
Climate Activity and student, ISBAT



Ms. Julie Mulonga
Executive Director Wetlands International, Eastern Africa

KEY NOTE SPEAKERS AND PANELISTS

SPEAKERS: Dialogue session on Thursday 21st March 2024
Theme: “Resilient built environment and infrastructure in urban settings”
Time 9:00 AM – 11:00 AM

KEY NOTE SPEAKER



Dr Graham Alabaster
Chief of Section, UNHabitat

Panelists



Prof Rose Namara
Chief of the Institute Research and Innovations Centre, Uganda Management Institute



Dr. Bariregah Akankwasa
Executive Director, National Environment Management Authority



Prof. Charles Niwagaba
Associate Professor of Civil Engineering, College of Engineering, Makerere University



Mr. Charles Owekmeno
Head of Business Development at WaterAid Uganda



Mr. Philip Maina Gatongi
Lead Architect, Technical Services, UNOPS



Dr. Isaac Mutenyo
Project Coordinator USMID, MLHUD



KEY NOTE SPEAKERS AND PANELISTS

Dialogue session on Friday 22nd March 2024

Theme: "Protection of lives, livelihoods, and property to support community resilience and stability"

Time 09:00 a.m. – 11:00 AM

KEY NOTE SPEAKER



Ms. Margaret Athieno Mwebesa,
Commissioner for Climate Change, Ministry of Water and Environment

Panelists



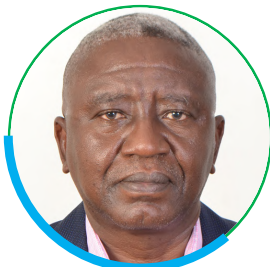
Mr. Matthew Crentsil
UNHCR Representative in Uganda



Mr. Richard Rwabuhinga
**Chairman, Uganda Local Governments' Association/
Chairperson, Mpanga Catchment**



Prof. Gorettie Nabanoga
**Principal College of Agricultural and Environment Sciences,
Makerere University**



Mr. Robert Kwesiga
Secretary General, Uganda Red Cross Society



Eng. Sylvester Matemu
**Regional Manager,
Nile Basin Discourse**



Ms. Anna Schoemakers
**General Director,
AidEnvironmentLocal Climate Adaptive Living Facility (LoCAL),
UNCDF**

UWEWK 2024 CLOSING CELEMONY



Eng. Gilbert Kimanzi
**Director Water Development
Department**



Dr. Bob Ogwang
**Executive Director
Uganda National
Meteorological Authority**



Mr. Tom Okello Obong
**Executive Director
National Forest Authority**



Dr. Katja Kerschbaumer
**Head of Office, Austria
Development Cooperation**



Rt. Rev. Bishop Moses Banja
Namirembe Diocese



Hon. Beatrice Anywar Atim
**Minister of State for
Environment**



Hon. Rukia Nakadama
**Third Deputy Prime Minister,
Guest of Honour for the closing celebration**



PROGRAMME FOR THE UGANDA WATER AND ENVIRONMENT WEEK 2024 (UWEWK2024)

Theme:

“Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda”

UWEWK 2024 PRE-EVENT ACTIVITIES		
26 th February - 17 th March 2024	PRE-EVENT #1:	517km Walk for Water and Environment for Climate change from Fort Portal to Kampala (26 th February to 14 th March 2024)
	PRE-EVENT #2:	UWEWK regional activities in 6 regional de-concentrated structures of MWE (26 th February to 15 th March 2024)
	PRE-EVENT #3:	Regional Youth Debates in 5 regional de-concentrated structures of MWE (Lira, Mbale, Fort portal, Kabale and Kampala) (02 th to 15 th March 2024)
	PRE-EVENT #4:	Community based water and environment restoration, cleaning and awareness programmes (26 th February to 17 th March 2024)
	PRE-EVENT #5:	UWEWK 2023 University Hackathon (12 th to 14 th February 2024)
	PRE-EVENT #6:	Peatlands knowledge exchange and policy dialogue (6 th and 7 th March 2023) by GIZ
	PRE-EVENT #7:	Clean up exercise in Luzira (14 th March 2023) by MWE management and staff and other stakeholders
	PRE-EVENT #8:	Prayers for UWEWK by churches under the Uganda Joint Christian Council (17 th March 2024)
Monday 18 th - March 2024	OPENING CEREMONY: @ MWE Auditorium (Physical) and Live on UBC or NBS TVs. and ZOOM + YouTube	
	09:00 - 09:30	Arrival of Guest of Honor, tour and launch of the UWEWK 2024 Exhibitions
	09:30 - 09:45	Formal start of UWEWK 2024 opening ceremony (welcome, anthems and prayer)
	09:45 - 10:00	Overview of UWEWK 2024 by Chairperson, National Organizing Committee
	10:00 - 10:10	Remarks by H.E Susan Ngongi Namondo - United Nations Resident Coordinator
	10:10 - 10:20	Remarks by His Grace, Archbishop Paul Ssemogerere Archbishop of Kampala
	10:20 - 10:30	Entertainment: Dance and Poem
	10:30 - 10:40	Remarks by Hon Sam Cheptoris - Minister of Water and Environment
	10:40 - 10:05	Opening Speech by His Lordship Justice Alphonse Owiny-Dollo - Chief Justice of Uganda
	11:05 - 11:10	Music Interlude
11:10 - 12:00	Key Note Presentations: “Rethinking collective action and innovative solutions to water, environment, and climate change crisis in Uganda” Key Note Speakers: Dr Mark Smith - Director General, IWMI and Eng. Dr Silver Mugisha , Managing Director, NWSC	
12:00 - 13:30	Panel Discussion: Prof. Charles Kwesiga - ED Uganda Industrial Research Institute; Ms. Kate Kiiza - Executive Director/CFO, DFCU Bank; Mr. Alfred Okot Okidi - Permanent Secretary, MWE; Rt. Rev. Dr. Fred Sheldon Mwesigwa - Bishop Of Ankole Diocese And Chancellor of Bishop Stuart University; Ms. Grace Stuart Ninsiima - Climate Champion; Mr. Antonio Querido - Country Representative, Food and Agricultural Organization; Ms Anne Nkutu - Rotary District Governor Elect, (D9213), Rotary International	
13:30 - 14:30	Lunch Break	

Monday 18th - March 2024	14:30 - 17:00	<p>Feedback from regional mini-UWEWK events followed by formal responses and discussions.</p> <p>a) Karamoja and Western Region focusing on regional theme (Technology and innovations in addressing water, environment and climate change crisis)</p> <p>Responses to the presentation: (Hon Silas Aagon- Chair, WASH Parliamentary Forum; Mr. Patrick Kahangire- Presidential Advisor on Water Issues; Mr. Moses Ssonko-Principal Economist, MFPE and Mr. Fred Onduri - Vice Chair, CTC; Ms Brenda Achiro- Country Director, WFP)</p> <p>b) Central and south western focusing on UWEWK regional theme (Private sector involvement in provision of water and environment services)</p> <p>Responses to the presentation: (Mr. Emmanuel Njuki- Head of Legal and Corporate Affairs, NBL; Eng Wilberforce Kimezere- WASH Specialist, UNICEF; Eng. Julius Musimenta- MD Hydraulic Consult; Eng. Aaron Kabirizi- Former Director, DWD; Ms. Yunia Musazi- ED, UWASNET)</p> <p>c) Northern and Eastern focusing on UWEWK regional theme (Youth and women led innovations and entrepreneurship to address unemployment, capacity building, education etc.)</p> <p>Responses to the presentation: (Hon Lawrence Biyika Songa- Chair, CC Parliamentary Forum; Owek. Mariam Nkalubo Mayanja- Minister of Environment and Bulungibwabsi, Buganda Kingdom; Mr. Richard Ekodeu- Regional Programs Director, AAIN; Dr Tom Okurut- Former ED, NEMA; Mr Edwin Muhumuza- ED- Youth Go Green; Ms Cate Nimanya- Africa Regional Director, Water for People)</p>	Side event: Engagement with the Water and Environment Elders - Zooka Boardroom	Moderators: Patrick Kamara, Anne Namakula, Joseph Eritu, Eng. Robert Okello and Dr. Irene Nansubuga
	17:00 - 19:30	<p>Meet and greet the water and environment elders during the cocktail</p>		
END OF DAY ONE				
<p>Dialogue Sub-theme No. Sustainable access and utilization of water and environmental resources for economic development -MWE Auditorium (Physical and ZOOM)</p>				
Tuesday 19th March 2024	09:00 - 09:30	<p>Key Note Presentation: “Sustainable access and utilization of water and environmental resources for economic development”</p>	Key Note Speaker: Prof. Dr. Charles Hans Komakech -Nelson Mandela African Institute of Science and Technology, Tanzania	Moderators: Solomon Kyeyune (UNOPS) and Brenda Achiro (WFP)
	09:30 - 10:45	<p>Panel Discussion: Prof Pamela Mbabazi - Chairperson, National Planning Authority; Mr. Ivan Tumuhimbise - Country Director, WWF; Dr. Bernard Amadei - Founding Member EWB-USA and EWBI Network; Ms. Jane Nabunnya Mulumba - Country Director, IRC Water and Sanitation Uganda; Dr Florence Grace Adongo - Executive Director, Nile Basin Initiative; Dr. Joseph Kobusheshe - Director, Environment, Health and Safety, Petroleum Authority of Uganda</p>		
TEA BREAK				



Tuesday 19 th March 2024	11:30 - 13:00	Session 1: Sustainable access and utilization of water and environmental resources for economic development - Policy, Practice & Scientific Papers Presentation - Part I, (DWD Board room) refer to annex I	Session 2: Poldaw Riser Pipe Configurations; What are the opportunities and lessons learned, WaterAid Uganda: (Nile Board room)	Session 3: Side Event: Dissemination of outcomes from COP28-CCD/MWE (Auditorium)	Session 4: Side Event: The launch of the Response Strategy to address bottlenecks in IWRM and WASH in Uganda-GWP-EA (IREC-NWSC Board-room)	Session 5: Applied training: Operationalization of Water and Environment Information System- WEIS Team (Rwizi Room next to MWE Library)	
	LUNCH BREAK						
Tuesday 19 th March 2024	Parallel Sessions (Physical and ZOOM)						
	14:-00 - 17:00	Session 6: Sustainable access and utilization of water and environmental resources for economic development - Policy, Practice & Scientific Papers Presentation - Part I, (DWD Board room) refer to annex I	Session 7: Side Event: O& M framework for rural water supply - RWSS/ IRC/ Water for People/ UNICEF (Zooka Board Room)	Session 8: Side Event: Trans boundary Water Cooperation in the Nile Basin –Unlocking the Benefits from Nile Trans boundary Cooperation -NBI (Auditorium)	Session 9: Side Event: (Nile Board-room)	Session 10: Applied training: Resettlement/ Livelihood Action Plans as a Tool for Water Resources Protection-A case study of Kalagala and Itanda Heritage Sites - AWE (Rwizi Room next to MWE Library)	
END OF DAY TWO							
Wednesday 20 th March 2024	Dialogue Sub-theme No. II - Nature-based solutions to solve water, environment and climate change crisis - MWE Auditorium (Physical and ZOOM)						
	09:00 - 09:30	Key Note Presentation: “Nature-based solutions to solve water, environment and climate change crisis”			Key Note Speaker: Dr Musonda Mumba - Secretary General, Convention on Wetlands		
	09:30 - 10:45	Panel Discussion: Mr. Frank Turyatunga - Former Director for Africa at United Nations Environment Programme (UNEP); Mr. Tom Sengalama - Team Leader, UNDP; Ms. Laura Muwanguzi - Climate Activity and student, ISBAT; Ms. Julie Mulonga , Executive Director Wetlands International, Eastern Africa; Dr Fred Kimaite - Technical Adviser, GIZ/ WatSUP; Mr Moses Egaru - Country Representative, IUCN			Moderators: Lucy Iyango (MWE) and Dr Michael Kizza (NBI)		
	10:45 - 11:00	Discussions and Feedback					
TEA BREAK							
Wednesday 20 th March 2024	11:30 - 13:00	Session 11: Nature-based solutions to solve water, environment and climate change crisis - Technical Presentation Policy, Practice & Scientific Papers Presentation,(DWD Board Room) refer to annex I	Session 12: Side event: Water at the Heart of Climate Action” - “From satellites to Sand bags - URCS (Nile Board Room)	Session 13: Side Event: Trans-border water management challenges: managing and planning water resources development between Karamoja (Uganda) and Turkana (Kenya), IWMI/KPF (Zooka Board Room)	Session 14: Side Event: Outcomes of the UN Water Conference 2023 - MWE/ Hilton Foundation (Auditorium)	Session 15: Side Event: Integrating Water, Sanitation, and Solid Waste for Small Towns , Eawag-Sandec/ Makerere University (IREC-NWSC Board-room) Starting 9am to 5pm	Session 16: Applied training: Water Resources Use and Allocation in Uganda - WRPR (Rwizi Room next to MWE Library)
LUNCH BREAK							
Parallel Sessions (Physical and ZOOM)							

Wednesday 20 th March 2024	14:00 - 17:00	Session 17: Nature-based solutions to solve water, environment and climate change crisis - Technical Presentation Policy, Practice & Scientific Papers Presentation,(DWD Board room) refer to annex I	Session 18: Side Event: Early Warning Initiative and HydroSOS in the Nile Basin countries for community preparedness and resilience- WMO/MWE/ NBI (Nile Boardroom)	Session 19: Side Event: The role of social mobilization in sustainable utilization of water services; a case of Utility migration in refugee settlements - GIZ WatSUP (Zooka Board Room)	Session 20: Side Event: Hackathon Finals, Water for People/ WRI (IREC- NWSC)	Session 21: Side Event: Understanding the role of peat land ecosystems as a nature-based solution to climate change - MWE/GIZ (MWE Auditorium)	Session 22: Applied training: Impact of Sustainable solar powered water pumping and solar powered irrigation systems on local communities' water access and agriculture - EWB-EA (Rwizi Room next to MWE Library)
	END OF DAY THREE						
Dialogue Sub-theme No. III - Resilient built environment and infrastructure in urban settings - MWE Auditorium (Physical and ZOOM)							
	09:00 - 09:30	Key Note Presentation: "Resilient built environment and infrastructure in urban settings"			Key Note Speaker: Dr Graham Alabaster - Chief of Section, UNHabitat		
Thursday 21 st March 2024	09:30 - 10:45	Panel Discussion: Dr Bariregah Akankwasa - Executive Director, National Environment Management Authority; Prof Charles Niwagaba - Associate Professor of Civil Engineering, College of Engineering, Makerere University; Dr Isaac Mutenyo - Project Coordinator, USMID, Ministry of Lands, Housing and Urban Development; Mr. Philip Maina Gatongi - Lead Architect, Technical Services, UNOPS; Mr. Charles Owekmeno - Head of Business Development and Acting Director of Programmes, WaterAid Uganda; Prof Rose Namara - Chief of the Institute Reserach and Innovations Centre, Uganda Management Institute			Moderators: Dr Rose Kaggwa (NWSC) and James Kissekka (Aide Environment)		
	10:45 - 11:00	Discussions and Feedback					
TEA BREAK							
Thursday 21 st March 2024	11:30 - 13:00	Session 23: Resilient built environment and infrastructure in urban settings- Technical Presentation Policy, Practice & Scientific Papers Presentation,(DWD Board room) refer to annex I	Session 24: Side event: Youth-Led Solutions for Climate Migration Challenge - IOM/ Youth-Go-Green) (Nile Board room)	Session 25: Side Event: Cesspool truck leasing model for sustainable Faecal Sludge Management (FSM) in small to medium towns in Uganda - GIZ – Sanitation for Millions (Zooka Board room)	Session 26: Side Event: Launch of Ministry of Water and Environment internship/ placement Program -MWE/UN-HCR (Auditorium)	Session 27: Side Event. Career talk -Young professionals (IREC- NWSC)	Session 28: Field Visits: 1. Nakivubo Wastewater Treatment Plant by NWSC 2: EcoPlastile Uganda Ltd (Waste2Build), Coca-Cola Beverages Uganda Ltd and Roofings Group by Youth-Go-Green (Kampala area)
	TEA BREAK						
LUNCH BREAK							
Thursday 21 st March 2024	Parallel Sessions (Physical and ZOOM)						
	14:-00 - 17:00	Session 29: Resilient built environment and infrastructure in urban settings - Technical Presentation Policy, Practice & Scientific Papers Presentation,(DWD Board room) refer to annex I	Session 30: Side Event: Climate change, Climate Mobility and Development Nexus in Uganda - Global Centre for Climate Mobility (GCCM) (Nile Board Room)	Session 31: Side event: Engagement on Data Access for Urban Climate Resilience in Africa Early Warning for All -Lincoln Institute of Land Policy/World Meteorological Organization (Zooka Board room)	Session 32: Side Event: Graduation of mentees of 2023/24 -MWE/WRI (Auditorium)	Session 33: Side Event. Implementation of Noise Pollution Control Policy in Urban Uganda: Citizens' Perceptions and Compliance in Kampala - UMI (IREC-NWSC)	Session:34: Poster presentation (Rwizi Room next to MWE Library)
END OF DAY FOUR							
Dialogue Session No. IV - Protection of lives, livelihoods, and property to support community resilience and stability - MWE Auditorium (Physical and ZOOM)							



Friday 22 nd March 2024	09:00 - 09:30	Key note presentation: Protection of lives, livelihoods, and property to support community resilience and stability				Key Note Speaker: Ms. Margaret Athieno Mwebesa , Commissioner for Climate Change, MWE	
	09:30 - 10:45	Panel Discussions: Mr. Matthew Crentsil - UNHCR Representative in Uganda; Mr. Richard Rwabuhinga - Chairman, Uganda Local Governments' Association/ Chairperson, Mpanga Catchment; Mr. Robert Kwesiga - Secretary General, Uganda Red Cross Society; Prof Gorettie Nabanoga - Principal College of Agricultural and Environment Sciences, MUK; Eng. Sylvester Matemu - Regional Manager, Nile Basin Discourse; Ms Anna Schoemakers - General Director, AidEnvironment				Moderators: Eng. Joseph Eyatu (RWSD) and Mary Namukose (GIZ)	
	10:45 - 11:00	Discussions and Feedback					
TEA BREAK							
Parallel Sessions (Physical and ZOOM)							
Friday 22 nd March 2024	11:30 - 13:00	Session 35: Protection of lives, livelihoods, and property to support community resilience and stability Technical Presentation - Policy, Practice & Scientific Technical Presentation (DWD Board room) refer to Annex 1	Session 36: Side event: Gender in Climate and natural resources governance: lessons learned from practice - CARE Uganda (Zooka Board room)	Session 37: Side event: Outputs of EURECCCA Project - DWRM/OSS (Nile Board room)	Session 38: Side Event: Ministry Of Water And Environment Nutrition Strategy, A Guide For Implementation Of Food System And Nutrition Initiatives - UNICEF/ MWE (Auditorium)	Session 39: Side event: Youth Debate - Youth-Go-Green/MWE (IREC Board room - NWSC) Starting 9am to 1pm	Session 40: Poster Presentation (Rwizi Room next to MWE Library)
LUNCH BREAK							
Friday 22 nd March 2024	COMMEMORATION OF THE INTERNATIONAL SECTOR DAYS, UWEWK2024 WRAP UP & CLOSING CEREMONY: @ MWE Auditorium (Physical) and Live on UBC or NBS TVs. and ZOOM						
	12:30 - 13:30	Marching in celebration of three international sector days (marching by schools, MWE staff and stakeholders from Kitintale to MWE Headquarters)					
	13:45 - 14:45	Arrival of the Guest of honor and tour of the sector days exhibitions and general exhibitions					
	14:45 - 14:55	Formal start of commemoration of sector days and UWEWK 2024 closing ceremony (welcome, anthems and prayer)					
	14:55 - 15:00	Entertainment: Song and poem					
	15:00 - 15:20	Summary Outcomes of UWEWK2024 - UWEWK Organizing Committee					
	15:20 - 15:45	Speeches on the themes for World Water Day, International Forest Day and World Meteorological Day (Director DWD; ED NFA and ED UNMA and)					
	15:45 - 15:55	Speech by Ms. Nwanne Vwede-Obahor - UNDP Resident Representative on UN International Days (World Water Day, International Forest Day and World Meteorological Day)					
Friday 22 nd March 2024	15:55 - 16:10	Giving of Awards and launch of key sector documents					
	16:10 - 16:20	Remarks by Rt Rev. Bishop Moses Banja , Namirembe Diocese					
	16:20 - 16:40	Remarks by Mr. Ole Dahl Rasmussen - Co-Lead, ECC DP Group- Danish Embassy and Dr Katja Kerschbaumer - Head of Office, Austria Development Cooperation					
	16:40 - 16:50	Remarks by Hon. Minister of State for Environment					
	16:50 - 17:10	Closing Speech by Guest of Honor, Rt Hon Lukia Nakadama - Third Deputy Prime Minister					
	17:10 - 19:00	CLOSING COCKTAIL					
END OF UWEWK 2024 CONFERENCE							
POST EVENT ACTIVITIES							
POST-EVENT #1: Water and Environment Week Nile Run in Jinja (23rd March 2024)							

Annex I:

List of paper presentations as per sub- theme-UWEWK2024

Sub theme 1: Sustainable access and utilization of water and environmental resources for economic development.

Morning Session							Session Chair			
Abstract ID	No.	Author/s	Title	Oral/Poster	Time					
R1-104	2	Atuhaire Immaculate ¹ ; Ayoreka Mary Concepta ²	Stakeholder engagement as catalyst to mindset change for waste management among market vendors in Fort Portal Tourism City.	Oral	11:30-12:35		Prof. Nicholas Kiggundu, Ms. Pamela Nyamutokya and Ms. Stacy Nankunda			
R1-118	3	Rogers Aheebwa Musiime ; Enoch Male	Harnessing solar powered drip irrigation for sustainable agriculture and climate change resilience in Kapelebyong District	Oral						
R1-126	5	Deus Kirunda; Emmanuel Jjumba; Caroline Nakalyango; Eteu Xavier; Barbra Apilli; Matthew Mugume; Kyomuhendo Agness; Edyangu Jude; Koburamuzi Brenda	Water and Environment Information System (WEIS): Lessons learnt for effective data and information management in the Ministry of Water and Environment	Oral						
R1-142	6	Aber Fiona; Obwon Enoch; Mugume Simon; Ajuna Reagan; Chris Prottas	Utilization of piped water to maximize impact of WASH in underserved rural communities of Uganda	Oral						
R1-80	8	Asiimwe Moses	Accelerating inclusive access to safely managed services through addressing WASH gaps in HCFs of Kabarole district.	Oral						
R1-95	9	Mwanje Benedictor; Ssendagire Abdulswabur; Naggayi Fatumah; Wasswa Kiggundu Shahzad.	Investigation of selected trace metal contamination in shallow ground water of peri-urban areas; Case study of Banda industrial community, Kampala city	Oral						
R1-44	10	Tayebwa Rodgers ¹ , Upira Nyaker Sarah ² ; Murungi Elizabeth ²	Performance of Sphagnum Peat in the treatment of wastewater effluent in Uganda	Oral						
R1-22	12	Muheki Oscar	Investigating the quality of water for sustainable utilization at Katosi landing site- Mukono district	Oral						
19th March 2024										



R1-26	13	Ngabirano Joseph, Katugume Prosper ² , Tumwesigye Paul ¹ , Keitesi Aisha ³ , Kibet Emmanuel ¹ , Asimwe Phionah Catherine ³ , Wesuta Andrew ¹ , Agaba Femus ¹ , Tushabe Angela ¹ , Ntaro Moses ¹ , Ruzaaza Gad ¹ , Kawungeezi Peter Chris ¹ , Mulogo Edgar ¹	Student-led water sanitation and hygiene emergency response in Bunagana Town Council, Kisoro district Southwestern Uganda	Oral	
R1-39	14	Ajok Paska	El Nino performance and impacts on Uganda's great lakes region for SOND season	Oral	
R1-116	1	Patrick Kayizzi ¹ ; Deneth Ngabirano ¹ ; Diana Kesiga ² ; Reynolds Seidelman ³	Enhancing access to piped water for low-income Households	Poster	
R1-123	4	Musiimenta B Julius; Musiimenta Elizabeth	Addressing Health Risks through utilisation of Advanced Filtration Media filters for Iron and Manganese Removal in Groundwater	Poster	
R1-111	7	Bogere Muzamiru; Sowed Sewagudde; Harriet Kyomuhendo; Hillary Natumanya; Martha Naigaga; Musooto Richard; Tenywa Emmanuel; Collins Twaheyo; Ali Kasule; Firmina Acuba Ajonye.	Root causes of bottlenecks constraining effective implementation of policy, legal and institutional frameworks of IWRM: Outlook of Decentralized Water Management Zones in Uganda	Poster	
R1-52	11	Diana Keesiga ¹ , Watenga Stanley ² , Ivan Biiza ² , Okello Wilfred ² , Yvonne Lugali ³ , Brenda Achiro ³	Critical path to universal water and sanitation access: the strategic wash investment plan for Acholi and Lango Sub-Regions	Poster	12:35-13:00
R1-1	15	Ategeka Matia, Ssesanga Fred	Spiral Water Wheel Pump: A Sustainable Solution for Water Pumping in Rural Areas	Poster	
R1-8	17	Mwizerwa Innocent Tayari, Kateita Joseline	Integrating circular economy in wastewater treatment as a futuristic approach to environmental resources sustainability and economic growth	Poster	
R1-18	18	Mallisaba Joseph	Evaluation of Water Monitoring and Water Treatment from Organic and Inorganic Pollutants Using an Ultrasonic Method in communities of Uganda	Poster	

Afternoon Session							
							14:00-16:00
							Prof. Nicholas Kiggundu, Ms. Pamela Nyamutokya and Ms. Stacy Nankunda
R1-4	16	Malisaba Joseph	Design and Implementation of a Multi-Tank Water Level Control System Using a Programmable Microcontroller in Communities of Uganda	Oral			
R1-25	19	Muhoozi Allan	Resilience in crisis - climate change impacts on water, sanitation, and hygiene systems - a case study in Bududa	Oral			
R1-66	20	M. L. Mutenyo ¹ , D. Nalugo ¹ , C. B. Niwagaba ¹ , R. N. Kulabako ¹ , M. Mumbere ¹ , L. Bouman ² , R. Meierhofer ²	The Impact of High Turbidity Feed Water on the Performance of Gravity Driven Membrane Modules	Oral			
R1-75	23	Denis Owarugambwa ¹ , Stanley Okettayot ² , Paskwale Kerundogo ¹ , Brian Guma Emmanuel ¹	Assessment of Water Resources Availability, Allocation and Management along River Mpanga	Oral			
R1-78	25	Atuhaire Immaculate	Populace perception of controlled activities within the river Mpanga buffer zone	Oral			
R1-79	26	Mwesigwa Andrew, Stanley Okettayot Lobi, Guma Brian Emmanuel	Assessment of current, planned, and projected water demand in the Mpanga catchment	Oral			
R1-122	27	Asiimwe Moses	Assessing WASH gaps in HCFs of Kabarole: An opportunity for accelerating inclusive access to safely managed services	Oral			
R1-126	28	Deus Kirunda, Emmanuel Jjumba, Caroline Nakalyango, Eteu Xavier, Barbra Apilli, Matthew Mugume, Kyomuhendo Agness, Edyangu Jude, Koburamuzi Brenda	Implementation of the Water and Environment Information System in Ministry of Water and Environment Uganda	Oral			



R1-13	30	Elangot William	Building adaptive capacities for climate resilient communities in Uganda	Oral	16:00-17:00
19	33	Baguma Gabson	Assessment of Contaminant Levels in Uganda's Drinking Water: Implications for Public Health and Environmental Safety	Oral	
54	35	Annika McGinnis	Nile Well Platform: Connecting Journalists and Scientists in the Nile Basin for improved Communication of Water/Environmental Research	Oral	
58	37	Nakyanzi Latifah	Sustainable utilization of water and environmental resources for economic development	Oral	
62	38	Nalumansi Maureen	Assessment of the Influence of Anthropogenic and Land Use Activities on the Water Quality of River Mpanga	Oral	
67	39	Modi Bosco	Enhancing Water Resource Management through GIS: A Framework for Non-Revenue Water Optimization	Oral	
106	42	Kerudong Acayerach Paskwale	Determination of the spatial and temporal distribution of available water resources, factoring the influence of climate change in the Mpanga catchment	Oral	
R1-68	21	Atusiimire leaticia	Enhancing Climate Resilience Through Collective Action: A Comprehensive Approach in Uganda	Poster	
R1-74	22	Ndugu Nelson , Nuwahoora Kenneth	Remote sensing for sustainable groundwater resource identification and management in Refugee hosting areas	Poster	
R1-76	24	Mugizi Neftali	Building Sustainable Landscapes and Resilient Livelihoods for Communities around Lake Bunyonyi Sub Catchment in Kabale and Rubanda Districts	Poster	
R1-99	29	Kyokaali Lydia	Nurturing Sustainable Water Solutions: A Collaborative Approach with Engineering Students	Poster	

11	31	Mushabe David	Predictive modeling of banana stem with avocado and jack fruit seeds derived activated carbon nanomaterial to enhance adsorption of chemical water contaminants	Poster
12	32	Rwakaizi Amon	Enhancement of aeration of over-burdened facultative ponds using a wiper aeration mechanism in Uganda	Poster
34	34	Mirembe Edith	Pure Clay Purity: Empowering Communities for Sustainable Water Access	Poster
55	36	David Kataratambi	Examining Water Security Situation in Uganda	Poster
85	40	Amanya Julian	Breaking the cycle of unsafe water in Uganda	Poster
87	41	Jockus Zamari	Digital mapping and water source management in rural and urban Uganda using a mWater-based MIS	Poster
109	43	Dr. K.Deepa	Water quality monitoring and analysis using IoT real time data	Poster
130	46	Kajimu Athamah	Water Source Protection Planning a must for all Hydropower plants	Poster
134	47	Stephen Emor	Impact of land use change on the natural infrastructure in Lake Wamala in Katonga catchment	Poster
135	48	Lwamunda Davis	Innovative approaches to ground water assessment for improved well production in dry belts within Rwizi catchment: a case study of Rubaya sub county, Mbarara district	Poster
144	51	Lukyamuzy Raymond	Integrating Modeling with Action: A Comprehensive Approach to Addressing Point and Non-Point Source Pollution	Poster



Sub theme 2: Resilient built environment and infrastructure in urban settings

Morning Session							
Date	Abstract ID	No.	Author/s	Title	Oral/Poster	Time	Session Chair
20th March 2024	R1-46	57	Henry Stanley Mbowa ¹ , Tuhairwe Raymond ² , Eliakim Kibet ³ , Dismas Kyeptoek ⁴ & Evelyne Businge ⁵	Impact of gully treatment on erosion control in Bongwo Parish, Kapchorwa District Uganda	Oral	11:30-12:35	Dr. Rosemirta Birung , Asst. Commissioner Richard Musota, and Dr. Denis Nsubuga
	R1-47	58	Najjuma Aisha	Coping practices to climate change crisis and drought by small holder farmers in Kampala district	Oral		
	R1-6	62	Bahaya Bernard ¹ ; Al-Quraishi Muthana ¹ ; Gruden Cyndee ²	Utilizing SWMM and GIS to Identify Total Suspended Solids hotspots to Implement Green Infrastructure in Lucas County, OH	Oral		
	R1-14	63	Mugisha Adam	Enhancing Resilience: Nature-Based Solutions for Water Security, Environmental Conservation, and Climate Adaptation in Uganda	Oral		
	R1-17	64	Byarugaba Isaac	Climate Resilience and Global Polyethylene Bag Pollution: Exploring Synthesis of Biodegradable Plastic Bags from Cassava (<i>Manihot esculenta</i>) as a Solution	Oral		
	24	69	Leyna Kagere	Leveraging Nature-Based Solutions for Resilient Water, Environment and Climate Change Mitigation	Oral		
	53	71	Erion Bwambale	Enhancing Water Use Efficiency in Irrigation Systems through Innovative Technologies and Management Practices: Lessons Learned and Future Directions	Oral		
	63	72	Julius Bazibu	Harnessing Nature Based Solutions for Water Security in Rural Areas of Uganda. Case Study Kaliro Distict, Kisinda and Nansololo sub-counties	Oral		
	71	73	Sylvia Nanyunja	Adapting Agriculture to Climate Change through Sustainable Irrigation: A Case Study of Kapchorwa-Kapchesombe Small Scale Irrigation System	Oral		

R1-117	54	Benedicto Kabito ¹ ; Joseph Ssemaganda ²	The Food-Forest Approach: Prospects of Nature-based multi-crops production system in Karamoja	Poster	12:35-13:00
R1-91	55	Tollo Titus Vanon	Nature-based solutions to solve water, environment and climate change crisis; effect of tree-planting by Uganda	Poster	
R1-97	56	Kazooro Cornelius ¹ Onesmus Mogyenyi ² ; Paul Twebaze ³ Anthony Mugeere ⁴	Policy frameworks for a just-energy transition for resilience to climate change in Uganda	Poster	
R1-21	59	Mugisha Moses	Involvement of local communities and indigenous people for Nature Based Solutions in Kigezi sub catchment area.	Poster	
R1-38	60	Byaruhanga Crispus ¹ ; Muhangi Musinga ²	Leveraging Nature-Based Solutions for enhanced biodiversity and sustainable land use in Mubende district	Poster	
R1-1	61	Jamuliro Samuel	Nature Based Solutions on Water, Environment and Climate Change Crisis in Uganda. A case of the Nile Basin	Poster	
R1-69	65	Babirye Allen Nantongo	Energizing the Future: Youth led innovations at the heart of WEF nexus and Economic development	Poster	
Afternoon Session					
108	75	Juliet Nakanjako	Optimizing chemicals and water supply systems for water treatment	Oral	14:00-16:00
131	77	Eng. Annette Kezia Nantongo, Dr Callist Tindimugaya, Stephen Emor, Richard Musota and Eng. Maximo Twinomuhangi	Sustainable management of ecosystems in Uganda using Water and Environment Cooperative Societies	Oral	
121	79	Kannapiran Ambiga	Assessment and mapping of flood risk and hazard a case study of river Mubuku, Kasese district, Uganda	Oral	
R1-114	53	Ninshaba Agatha	Impact of refugee human activities on environment and natural resources in Kashumba sub-county, Isingiro district	Oral	
124	44	Emmanuel Opolot	Optimizing water use efficiency in flood irrigation systems in Uganda	Oral	



127	53	Patricia Nanteza	Rethinking Collective Action: Leveraging the Water-Energy-Food Nexus to Promote Sustainable Development in Uganda through the End Charcoal Use Campaign	Oral
128	45	Matsiko Oscar	Exploring Alternative Financing Mechanisms for the Water and Environment sector in Uganda	Oral
140	49	Nakkazi Irene	Using Marathon as a tool in raising awareness for water resource management a case study of River Rwizi in Mbarara district	Oral
143	50	Aber Fiona	Empowering hand-pump mechanics through savings groups to provide professionalized maintenance services	Oral
89	136	Akot Jackie Abalo	Enhancing youth participation for seeking innovative solutions to Uganda's water challenges	Oral
120	138	Leonard Opeto	Public-Private Partnerships: Driving SDG 6 Achievement in Bulikwe, Kyankwanzi and Bulisa Districts	Oral
141	140	Wenareeba Morris	Self-help groups as Catalysts for Coexistence and Resilience: A Study of Refugee Communities in Uganda	Oral
RI-101	103	Mwesigye Lucy Patson	Addressing human-wildlife conflicts using Integrated Water Resource Management in Kasongire Community forest, Western Uganda	Oral
RI-77	66	Okia Richard Regan	Harnessing Recreation Activities for Sustainable Conservation of Wetlands: A Case Study of Lubigi Wetland in Kampala	Poster
RI-105	67	Sajjabi Eustace	Increasing small-scale Farmers Climate Resilience Through Farmer-led Research on Seed Varieties	Poster
				16:00-17:00

20	68	Ninsiima Derrick	A comprehensive overview of rethinking collective action and innovative solutions to the water, environment, and climate change crisis in Uganda	Poster
43	70	Aisha Nankanja	Fostering community-driven nature-based solutions for forest restoration and watershed protection	Poster
84	74	Haga water limited company	Improper wastewater disposal and poor sanitation	Poster
129	76	Isaiah Mwesige ¹ , Guma Brian Emmanuel ²	Unlocking the potential of golf as a driver for sustainable environmental conservation in Kabarole, Uganda	Poster
133	78	Mwine Dickens Richard	Plastic water pollution in Uganda, R.Rwizi Case study	Poster
R1-100	94	Luswata Emmanuel	Building adaptive capacities for climate resilient communities in the Uganda	Poster
R1-9	95	Poshan Wamutu	Flood vulnerability Assessment using a Spatial Multi-Criteria Decision Analysis :A Case of the river Namatala watershed in Mbale city, eastern region, Uganda	Poster
R1-42	96	Norman Isaac & Ndagire Monica	Implementation of Water Safety Plans (WSP) by National Water and Sewerage Corporation amidst Climate Change and Variability: Challenges and Coping Strategies	Poster
93	101	Serioni Brian	Enhancing Resilience in Uganda's Urban Environments, A Case Study of Kapchorwa District	Poster



Sub theme 3: Resilient built environment and infrastructure in urban settings

Morning Session							
Date	Abstract ID	No.	Author/s	Title	Oral/Poster	Time	Session Chair
	R1-90	83	Pamela Musimenta; Daniel Okurut S.	Impact of land-use change on the water and natural environment	Oral	11:30-12:35	Principal Emmanuel Olet, Dr. Patrick Musinguzi, Mr. Tadeo Mibulo
	R1-92	84	Maiwahnti Warai Evelyne; Badoniwa Angele	Factors favoring hydro-agricultural installations in the plain of Zina, Far North-Cameroun.	Oral		
	R1-81	85	WaterAid Uganda, Patrick Rubangakene	Analysis of WASH service delivery models in healthcare facilities in urban areas of Mbale and Tororo Districts	Oral		
	R1-33	87	Mwidi Aaron ¹ , Ikumi David ² ; Theo Harding ³ , Goerge Ekama ⁴	Experimental evaluation of the effect of thermal heat and pressure pre-treatment on primary sludge anaerobic digestion	Oral		
	R1-37	90	Tiwangye Amans	Contributing factors to increased flooding in Nyamwamba catchment: An application of SWAT model-based analysis.	Oral		
	R1-40	91	Ikumi David ¹ , Nqayi Nosisa ¹ , Gaszynski Chris ¹ , Flores-Alsina Xavier ² , Ramin Elham ² , Brouckaert Barbara ³ , Brouckaert Chris ³ , Gernaey Krist ²	Phosphorus removal and resource recovery in wastewater treatment plants: A Mathematical Modelling Approach	Oral		
	R1-16	93	Nakigudde Sharon ¹ , Marunga Moureen ² , Nyanzi Ronnie ³	Field Assessment of Pit Emptying Technologies in the Informal Settlements; A Case of Kampala City	Oral		
	R1-136	97	Adong Rachel	Assessment of the factors that have contributed to the notable increase of flow in river Rwizi	Oral		
	32	98	Ahumuza Alex	Ecological Projects For Climate Change Resilience and Sustainable Slum Communities in Kampala	Oral		
	41	99	Adam Oodally ¹ , David Ikumi ²	Characterization of Inorganic Solids Generated in Phosphorus Removal Water and Resource Recovery Facilities	Oral		
	R1-115	81	J. Obara ¹ , R. Sakaya ^{2,4} , A.S. Narayan ⁴ , D. Keilmann-Gondhalekar ³ , Christoph Lüthi ⁴	Political Economy of an Integrated Approach to Water, Sanitation, and Solid Waste Nexus in Urban Uganda	Poster	12:35-13:00	

21st March 2024

R1-119	82	Leonard Opeto	Building resilience: Microfinancing as catalyst for upscaling rainwater harvesting and sanitation in water-stressed communities of Rakai district	Poster	
R1-96	86	Kiggundu Shahzad Wasswa	Opportunities for integrating urban climate actions into Uganda's Nationally Determined Contributions	Poster	
R1-35	88	Ahereza Owen	Building adaptive capacities for waste management in urban centers for climate resilient communities in the Uganda	Poster	
R1-36	89	Tiwangye Amans	Mitigating flash flooding in the city through retention of run-off water in urban water cycle	Poster	
R1-9	92	Poshan Wamutu ¹ , Egesa Andrew Wanyama ^{1,2} , Enock Kajubi ^{1,3} ,	Flood vulnerability Assessment using a Spatial Multi-Criteria Decision Analysis (SMCDA):A Case of the river Namatala watershed in Mbale city, eastern region, Uganda	Poster	
R1-100	94	Luswata Emmanuel	Building adaptive capacities for climate resilient communities in the Uganda	Poster	
Afternoon Session					
50	100	Nuwahoora Kenneth	Escalating effects of global warming are exacerbating the decline in groundwater potential	Oral	
137	102	Mwebaze Benjamin	Drinking Water Quality Assessment for the sources in Mbarara City, Uganda. An Experimental study	Oral	
R1-110	80	Henry Stanley Mbowa ¹ , Tuhairwe Raymond ² , Eliakim Kibet ³ , Dismas Kyeptoek ⁴ & Evelyne Businge ⁵	Impact of Gully treatment on erosion control in Bongwo Parish, Kapchorwa District Uganda	Oral	
R1-59	115	Hururura Aiyampwera ¹ ; Labson Migadde Tamuzadde ² ; Enock Kajubi ³	Community flood vulnerability assessment in Kyabamba watershed, Nyarushanje sub-county Rukungiri district.	Oral	
R1-23	116	Kemigvisha Fortunate	Estimating carbon stock using field data, satellite imagery, and cloud-based machine learning algorithms	Oral	
				14:00-16:00	Principal Emmanuel Olet, Dr. Patrick Musinguzi, Mr. Tadeo Mibulo



R1-27	117	Nalugo Diana ¹ ; Mutenyo Mercy ¹ ; Niwagaba Charles ¹ ; Mumbere Malcolim ¹ ; Kuliabako Robinah ¹ ; Bourman Lukas ² ; Meierhofer Regula ²	Gravity Driven Membrane as low-cost water treatment for provision of safe drinking water in rural households	Oral	
R1-7	118	Mushabe David	A Study on the Possibility of Recycling Wastes from Ceramic Clay and Glass Particles for Application in Areas of High Temperature	Oral	
R1-15	119	Wamutu Poshan ¹ , Egesa Andrew Wanyama ² , Kajubi Enoch ³	Coupling of PCSWMM and HECRAS for hydrodynamic modelling of River Namatala in eastern Uganda	Oral	
R1-29	120	Kisozi Paul Kategaya	FLOOD PREDICTION USING MACHINE LEARNING. A CASE STUDY OF NDEEBA PARISH, KAMPALA - UGANDA	Oral	
R1-30	121	Naggayi Fatumah	Assessment of the quality of effluents from paint factories. A case study of The Crown Berger Uganda Limited, Industrial area Kampala Uganda	Oral	
R1-72	123	Gabriel Stecher , Jennifer Raskin , Mathew Herrnegger	A novel approach to systematically assess large scale water quality degradation in Uganda – The Water Quality Pressure Index	Oral	
R1-64	128	Collins Odonga	Assessment of ground water resources in the Bidibidi Refugee Settlement	Oral	
10	129	Modathir Zaroug	The Role and the tools of the Nile Basin Initiative (NBI) to provide services for climate proofing of transboundary water infrastructure investment decision making	Oral	
86	134	Adam Harvey	Water supply for improved farming productivity and health	Oral	
88	135	Mulindwa Isaac Moses	Assessing the tradeoffs between urbanization and flow of ecosystem services with associated effects on people's livelihoods, a case study of Kitintale Zone 12	Oral	
R1-115	81	J. Obara ¹ , R. Sakaya ^{2,4} , A.S. Narayan ⁴ , D. Keilmann-Gondhalekar ³ , Christoph Lüthi ⁴	Political Economy of an Integrated Approach to Water, Sanitation, and Solid Waste Nexus in Urban Uganda	Poster	
					16:00-17:00

R1-119	82	Leonard Opeto	Building resilience: Microfinancing as catalyst for upscaling rainwater harvesting and sanitation in water-stressed communities of Rakai district	Poster
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R1-36	89	Tiwangye Amans	Mitigating flash flooding in the city through retention of run-off water in urban water cycle	Poster
R1-9	92	Poshan Wamutu ^{1,1} , Egesa Andrew Wanyama ^{1,2} , Enock Kajubi ^{1,3} ,	Flood vulnerability Assessment using a Spatial Multi-Criteria Decision Analysis (SMCDA):A Case of the river Namatala watershed in Mbale city, eastern region, Uganda	Poster
57	131	Crispus Mwemaho	Investing in climate change disaster early warning systems development in disaster hotspot areas to facilitate community resilience.	Poster
61	132	Lynette Owomuhangi	Empowering Institutions through Construction of Sanitation Facilities for Enhanced Access to Hygiene and Menstrual Health: Experiences from Kamwenge District Kamwenge	Poster
70	133	Resty Naiga	Water Conflicts among Refugee and Host Communities: Implications for Sustainable Access to Safe Water in Refugee Settings	Poster
112	137	Mukaga Humphreys	Determinants for household uptake of improved sanitation in rural areas: A case of Lango sub-region	Poster
138	139	Ssekitooleko Joseph	Improving livelihoods of the communities through facilitating credit and market as tool to enhance sustainable management water and natural resources: a case study of Maziba Catchment	Poster



Sub theme 4: Protection of lives, livelihoods, and property to support community resilience and stability

Date	Abstract ID	No.	Author/s	Title	Oral/Poster	Time	Session Chair
22nd March 2024	R1-73	124	J. R. Okello, S. Alobo, S. Hoffbauer	Climate Resilient WASH Service Provision in Uganda's Lango Subregion – Pathways for Rural Water Supply	Oral	11:30-12:35	Asst. Commissioner Olweny Lamu, Asst. Commissioner Albert Orijabo, and Ms. Fortunata Kemigisha
	R1-102	104	Boonabaana Phionah ¹ ; Byonanebye Innocent ²	Impact of wetland ecosystem integrity on livelihoods of communities around Lubigi wetland.	Oral		
	R1-125	106	Ivan Busuulwa	Market-Based Sanitation for building community climate resilience	Oral		
	R1-132	107	Nicholas Tumwine	Uganda's Regulatory and Institutional Framework for Dam Safety Management: the protection potential and missing links	Oral		
	R1-139	108	Mwebaze Caroline Ednah	Possible causes of flooding in Katonga catchment: Insights from the 2023 collapse of Katonga bridge	Oral		
	R1-82	109	WaterAid Uganda, Patrick Rubangakene	Strengthening policy systems for accelerated WASH coverage in healthcare facilities of Lira and Kabarole Districts.	Oral		
	R1-83	110	Innocent Twesigye ¹ ; Monique Akullo ²	Protecting Water Ecosystems: The Case of Katosi Bay along Lake Victoria	Oral		
	R1-94	111	Atuhairwe David	Enhancing market-based sanitation for universal access: A Comprehensive Approach in Uganda	Oral		
	R1-98	112	Naggayi Fatumah	Quality of effluents from paint factories and the implications for protection of lives and livelihoods; case of Crown Berger industry, Kampala City	Oral		
	R1-48	113	Obala Hoscar	Deterioration of water quality at the ferry landing dock on Lake Kyoga	Oral		
R1-107	105	Humphreys Mukaga; Rizik Namugenyi	Determinants for household uptake of improved sanitation in rural areas of Lango sub-region, Northern Uganda	Poster	12:35-13:00		

R1-56	114	Niwasasira Derrick ¹ ; Nsubuga Denis ¹ ; Kadugo Jonathan ¹ ; Atukwase Gift ² ; Naluyange Jemimah ² ; Niwagaba Brian ² ; Tindimweba Collin ²	Adoption of Mercury-free technologies in Ugandan Artisanal Gold Mining Sector to mitigate Mercury Aquatic and Environmental Pollution	Poster
R1-60	122	Owomuhangi Lynette	Sustainable Faecal Sludge Disposal in Areas Without Faecal Sludge Treatment Facilities	Poster
R1-31	125	Tukundane Hanifa	31-Tukundane Hanifa-Assessing the Causes and Impacts of Water Pollution, a Case Study; Rukoki Sub-County-Kasese District	Poster
R1-45	126	Abaho Criscent, Mirembe Edith	Grey Water Recycling at house hold level in Urban Uganda	Poster
R1-65	127	Blick carol Gloria	The Intensification of Agriculture in Wetlands Versus the Opportunity Cost for Infrastructure Damage, Economic, Social and Environment Impact	Poster
28	130	Bernard Big. Opolot	Use of wind energy to produce water for both domestic and for production	Poster



Annex II:

Applied Trainings

Date	Time of presentation	Title Training	Mode of training	Organizers	Venue
Session 5: Tuesday 19 th March 2024	11:30 - 13:00	Systematic Data and Information access, Request and dissemination via the WEIS in MWE - WEIS Team	Online and Physical	Ministry of Water and Environment	Rwizi Room next to MWE Library
Session 10: Tuesday 19 th March 2024	14:00 - 17:00	Applied training: Resettlement/ Livelihood Action Plans as a Tool for Water Resources Protection-A case study of Kalagala and Itanda Heritage Sites	Online and Physical	AWE	Rwizi Room next to MWE Library
Session 16: Wednesday 20 th March 2024	11:30 - 13:00	Water Resources Use and Allocation in Uganda	Online and Physical	Ministry of Water and Environment, Water Resources Planning and Regulation	Rwizi Room next to MWE Library
Session 22: Wednesday 20 th March 2024	14:00 - 17:00	Impact of Sustainable solar powered water pumping and solar powered irrigation systems on local communities' water access and agriculture	Online and Physical	Engineers Without Boarder – East Africa	

Annex III:

Side Events

No	Session	Title of the side event	Convener/ Co convener	Overview	Date	Venue
1	Session 1	Engagement with the Water and Environment Elders	Ministry of Water and Environment		18 th March 2024	Zooka Boardroom
2	Session 3:	Poldaw Riser Pipe Configurations; What are the opportunities and lessons learned	WaterAid Uganda	<p>WaterAid Uganda with support from the CNHF is currently implementing a second phase of the HIP project in the districts of Kabarole and Masindi. The project aims to improve water quality and service levels in Uganda and worldwide through the testing of a new hand pump riser pipe configuration.</p> <p>The side event will provide an opportunity for participants to learn and share experiences, about the functionality, effectiveness of the Poldaw riser pipes systems, challenges and lessons learned from the phase 2 implementation in delivering better water quality and hand pump performance</p>	19 th March 2024	Nile Boardroom
3	Session 4:	Dissemination of outcomes from COP28-	Climate Change Department – Ministry of Water and Environment	<p>During COP28 climate conference parties deliberated on various thematic areas that include but are not limited to: Global Stocktake; Fossil Fuels & Clean Energy; Loss & Damage; Adaptation; Climate Finance; National Climate Plans (NDCs); Food; Methane; Forests & Land Use; Market and Non-market Mechanisms</p> <p>The session will look at the summary of outcome of negotiations under each given thematic area</p>	19 th March 2024	Auditorium
4	Session 5:	The launch of the Response Strategy to address bottlenecks in IWRM and WASH in Uganda-	GWP-EA, MWE	<p>This launch of the response strategy is organized by the 3.5 years Global Water Leadership Programme coordinated by Global Water Partnership Eastern Africa and implemented by the Ministry of Water and Environment under Transboundary and Water Affairs. It is aimed at raising awareness on the two key prioritized bottlenecks i) Limited finance for IWRM/WASH and ii) Weak Legal Policy and Institutional frameworks for IWRM/WASH services in Uganda and with the proposed costed strategic actions geared towards addressing the gaps to</p>	19 th March 2024	IREC-NWSC Boardroom



	5	Session 8:	O&M framework for rural water supply -	RWSS, IRC/ Water for People/ UNICEF	<p>accelerate effective and efficient implementation of IWRM and WASH.</p> <p>The Ministry of Water and Environment developed the National Framework for Operation and Maintenance of Rural Water Infrastructure in Uganda in 2019. The framework aims to provide options and standards for sustainable management of rural water supply systems that are not adequately covered by existing models. The framework proposes a professionalized approach to operation and maintenance, with clear roles and responsibilities for different stakeholders, including the Area Service Providers, the Water Supply Services Boards, the District Local Governments, and the users. The framework also addresses the financial, governance, and monitoring aspects of operation and maintenance, as well as the cross-cutting issues and key considerations. The framework is accompanied by operational manuals and guidelines that provide detailed procedures and tools for its implementation.</p> <p>The side event will present the main features and benefits of the framework, as well as the road map and progress of its rollout across the country. The side event aims to gather stakeholders, policymakers, practitioners, and experts to discuss and strategize the implementation of the national framework, with a focus on enhancing sustainable access to clean water in rural areas</p>	19 th March 2024	Zooka Board Room
	6	Session 9:	Trans boundary Water Cooperation in the Nile Basin –Unlocking the Benefits from Nile Trans boundary Cooperation	Nile Basin Initiative	<p>This session will focus on Positioning of NBI as a platform that brings all member states on the table to discuss common issues and implement joint responses – the ‘One River-One People-One Vision’ approach; Enhanced national capacities of member states for transboundary water resources management – confidence building; Mutual recognition, and acknowledgment of cooperation as a key driver of sustainable management of the transboundary water resources; Through forums like Nile Day and NBDF, stakeholders, including governments, scientific groups, civil society, academic and research institutions, and development partners interact with each other and the NBI;</p>	19 th March 2024	Auditorium

7	Session 10:	Implementation of Noise Pollution Control Policy in Urban Uganda: Citizens' Perceptions and Compliance in Kampala -	UMI		Promotion of broader "Benefit Sharing" as opposed unilateral development that can result in conflicts. A 3-year empirical study was conducted at Uganda Management Institute, prescribing policy and population-based interventions to control noise in urban settings, an area of interest in the environment sub-sector. This side event is a public policy dialogue entailing dissemination of the study findings, policy recommendations and emerging approaches for general critique by Academia, Civil Society Organizations (CSOs) and stakeholders in the Water and Environment sector to generate a policy brief for consideration by higher policy making organs.	19 th March 2024	Nile Boardroom
8	Session 13:	Water at the Heart of Climate Action" - "From satellites to Sand bags -	URCS		This side event will bring out the aim of the 'Water at the Heart' collaboration is to address climate-related risks that too often fall between the cracks of most country-level water, sanitation and hygiene (WASH) policies. It will focus on practical, locally-driven action to better anticipate disasters and prepare communities well in advance. It will also use the latest science and technology to monitor and forecast weather and water-related hazards. It furthermore invests in communications technologies to warn communities of what is coming and enable early action. As a result, this programme is a direct contribution to the implementation of the UN Secretary General's 'Early Warnings for All' initiative.	20 th March 2024	Nile Board Room
9	Session 14:	Youth Water Policy Forum: Flowing towards a sustainable future for Uganda. IWMI/WRI	IWMI, WRI		This side event will aim to increase the involvement of young people in providing solution to the challenges facing the sector. This side event is designed to facilitate youth participation in international and intergenerational discussions on water-related issues. Our strategy is to showcase their ideas, projects, activities, or campaigns related to sustainability actions related to water. Additionally, we aim to provide opportunities for young people to engage in key sector issues	20 th March 2024	Zooka Board Room



10	Session 15:	Outcomes of the UN Water Conference 2023 -	MWE and Hilton Foundation	The Uganda Government through the Ministry of Water and Environment will raise awareness and inform Ugandans about the efforts made to achieve SDG 6 targets, the outcomes of the UN Water Conference and the commitments made, as well as the Hilton support to various activities and progress made. The development action plans and budgets to implement the agreed actions and commitments. And also to mobilize support from relevant national and international stakeholders and partners to enable scaling up of the ongoing efforts and start of implementation of the new commitments.	20 th March 2024	Auditorium
11	Session 16:	Integrating Water, Sanitation, and Solid Waste for Small Towns Starting 9am to 5pm	, Eawag-Sandec, Makerere University		20 th March 2024	IREC-NWSC Boardroom
12	Session 19:	Side Event: Early Warning Initiative and HydroSOS in the Nile Basin countries for community preparedness and resilience-	WMO/MWE/NBI	This session will provide a broader discussion of issues of early warning including but not limited to: Issues of focus HydroSOS Progress in LVB and WHOS Portal demonstration; Water at the Heart of Climate Action, WMO Component; SOFF activities to support Observation of climate change events in Uganda; Uganda RedCross activities on community preparedness and resilience in Uganda; NBI – activities on building capacity for transboundary management of floods; and Small groups/plenary- Groups will be formed when they enter the side event room and participants need to sit in groups assigned	20 th March 2024	Nile Boardroom
13	Session 20:	The role of social mobilization in sustainable utilization of water services; a case of Utility migration in refugee settlements -	GIZ WatSUP	This side event will be held in alignment with this year's Uganda Water and Environment Week sub-theme "sustainable access and utilization of water and environmental resources for economic development, is organized by GIZ WatSUP proposes a side event. The event aims to bring together experts from various fields, including humanitarian organizations, government agencies, formative research consultants, and community leaders. Through a panel discussion supplemented by dissemination of the Customer Satisfaction Survey baseline results, which will provide valuable feedback on community engagement and satisfaction. The session will delve into the	20 th March 2024	Zooka Board Room

				importance and existing gaps in social mobilization within refugee settlements, influenced by practical research. Ultimately, the session seeks to inspire actionable strategies for integrating social mobilization into the broader framework of water service provision, particularly in the dynamic and challenging context of utility migration in refugee settlements. By fostering an inclusive dialogue, the event aims to contribute to a collective understanding of how social mobilization can serve as a catalyst for positive change in the sustainable utilization of water services.			
14	Session 21:	Hackathon Finals,	Water for People	This session will provide an opportunity to university students to make pitches for their solution they developed.	20 th March 2024	IREC-NWSC	
15	Session 22:	Understanding the role of peat land ecosystems as a nature-based solution to climate change -	MWE, GIZ		20 th March 2024	MWE Auditorium	
16	Session 25:	Youth-Led Solutions for Climate Migration Challenge	IOM, Youth-Go-Green		21 st March 2024	Nile Board room	
17	Session 26:	Cesspool truck leasing model for sustainable Faecal Sludge Management (FSM) in small to medium towns in Uganda	GIZ – Sanitation for Millions		21 st March 2024	Zooka Board room	
18	Session 27:	Launch of Ministry of Water and Environment Internship/attachment Program -	MWE UNHCR	The Water Resources Institute is operationalizing its Strategic Plan and one of the key areas is internship/attachment and mentorship of fresh graduates and early-career professionals to the partner organizations and stakeholders with an aim of providing them with an opportunity to put into practice the skills and knowledge they have acquired while in school. Under the Mentorship and Internship/attachment and placement program, Ministry of Water and Environment	21 st March 2024	Auditorium	



19	Session 28:	Career talk -Young professionals	MWE	<p>through the Water Resources Institute will enter into partnership arrangement with various water and environment partners and stakeholders to provide experiential knowledge to fresh graduate's trainees and early-career professionals of all fields. This session is therefore planned to launch this program during the seventh Uganda Water and Environment Week (UWEWK) before it is fully rolled out</p> <p>Youth cut across all sectors of society as a standing multi-stakeholder engagement. While there are many youth-led initiatives in the country, the structured and meaningful involvement of youth is generally vulnerable due to various reasons that range from a lack of widespread support to the absence of proper platforms that sustain youth participation. UWEWK, therefore, provides a good platform for Youth to share their perspectives, needs, and voices heard as well as educate them further to enable their mind-set shift and contribution to sustainable water and environment resources management all aimed at the bigger picture of climate action.</p> <p>This side event will highlight i) the role of youth in innovation and technology in dealing with water, environment, and climate change challenges ii) the role of youth in developing and implementing natural-based solutions for improving resilience to climate change, conservation, restoration, and sustainable management of water and environment resources iii) explore opportunities for the youth in developing and strengthening capacity and multi-stakeholder partnerships for climate-resilient and stability developments and iv) showcase best practices of youth working with climate-migration initiatives.</p>	21 st March 2024	IREC-NWSC
20	Session 31:	Climate change, Climate Mobility and Development Nexus in Uganda -	Global Centre for Climate Mobility (GCCM)	<p>The purpose of this effort is to support the execution of the President's Emergency Plan for Adaptation and Resilience (PREPARE) through targeted support to select countries in Africa for modernizing their water data infrastructure. The</p>	21 st March 2024	Nile Board Room
21	Session 32:	Engagement on Data Access for Urban Climate Resilience in	Lincoln Institute of Land Policy, World		21 st March 2024	Zooka Board room

				<p>Internet of Water Initiative of the Center for Geospatial Solutions (CGS) at the Lincoln Institute of Land Policy (Lincoln Institute) proposes to collaborate with WMO Members and other partners in Africa, as well as the WMO Secretariat, to develop data access and open-source software in support of climate resilience goals in Africa.</p> <p>Through collaboration with UCAR, IoW will conduct regional climate, weather, and water data code-sprints and training for two regions in Africa in collaboration with the World Meteorological Organization (WMO).</p>					
22	Session 33:	Africa Early Warning for All -	Meteorological Organization	MWE/WRI	Graduation of mentees of 2023/24 -			21 st March 2024	Auditorium
23	Session 34:	Side Event.						21 st March 2024	IREC-NWSC
24	Session 37:	Gender in Climate and natural resources governance: lessons learned from practice-		CARE Uganda				22 nd March 2024	Zooka Board room
25	Session 38:	Outputs of EURECCCA Project -		DWRM			OSS	22 nd March 2024	Nile Board room
26	Session 39:	Ministry Of Water And Environment Nutrition Strategy, A Guide For Implementation Of Food System And Nutrition Initiatives -		MWE			UNICEF	22 nd March 2024	Auditorium
27	Session 40:	Youth Debate -		Youth-Go-Green			MWE	22 nd March 2024	IREC Board room - NWSC



Annex IV:

field Visit

Session Schedule	Title	Name of Site/ Field Visit	Hosting Institution	Format of the visit	Contact person	Date
Session 28:	1. Nakivubo Wastewater Treatment Plant by	Kitintale, Bugolobi, Nakawa and Kireka Markets	National Water and Sewerage Cooperation	Physical		Thursday 21st March 2024
Session 28:	2: EcoPlastile Uganda Ltd (Waste2Build), Coca-Cola Beverages Uganda Ltd and Roofings Group by Youth-	Selected Locations within Kampala	Go-Green	Physical		Thursday 21st March 2024

Key Note presenters



Mark Smith, PhD.

Director General
International Water
Management Institute

Mark Smith is Director General of the International Water Management Institute. He was formerly IWMI's Deputy Director General – Research for Development, and brings more than 25 years of research and program management experience in water resources, agriculture, climate and sustainability. He was Director of the Global Water Program at the International Union for Conservation of Nature (IUCN), from 2008-2018, where he led innovative, multi-regional programs in Asia, Africa and Latin America addressing river basin management, transboundary cooperation and water governance, climate change adaptation and nature-based solutions.

He has a PhD in ecology and resource management from the University of Edinburgh and a Master's in climatology from the University of Guelph. He holds a PhD from Queen's University Belfast and post graduate degree(s). He attended Harvard Business School Executive Leadership Development Programme and has been affiliated Fulbright Research Scholar at the University of California – Berkeley (USA) and Chevening Fellow at University of Bradford (UK).



Eng. Dr. Mugisha Silver

Managing director
National Water and Sewerage
Corperation

Dr. Mugisha holds a Ph.D. in Engineering and Economics of Makerere University, Uganda. His PhD research, which was carried out in collaboration with PURC of University of Florida, USA focused on areas of performance monitoring, incentive design and productivity analysis. He was previously a Chief Manager in charge of Institutional Development and External Services at the National Water and Sewerage Corporation (NWSC).

Dr. Mugisha has been with NWSC since 1994 and has risen through the ranks of the Corporation. He has worked on external consultancies in various organizations in Uganda, Kenya, Tanzania, Zambia, Nigeria, Ethiopia, Rwanda, India, and Trinidad and Tobago among others. He has been a Board Member of the International Water Association (IWA) since 2014 and later become the Vice President of IWA. He was also the Vice President of the African Water Association (AfWA). He is a Fellow of the International Water Association and Sense Research School of the Netherlands.



Prof. Dr. Charles Hans Komakech

Nelson Mandela African Institute of Science and Technology

Associate Professor : School of Materials, Energy, Water, and Environmental Sciences, (MEWES)

Prof. Hans C. Komakech is a Senior Lecturer at the School of Materials, Energy, Water and Environmental Sciences (MEWES) and the Centre Leader of WISE – Futures African Centre of Excellence. With a background in Civil Engineering, Water Resources Management and Wastes Engineering, Hans studies a variety of water and sanitation issues using an interdisciplinary approach and through mixed methods. His recent research projects focus on groundwater use in urban informal areas, farmer-led irrigation development, agricultural water management, and surface and groundwater governance. Hans's earlier work focused on the emergence of collective action and local water sharing arrangements; and discussed how the interface between customary and formal rules shapes the dynamics of age-old community-based water systems. Hans past research projects include Transformation to Groundwater Sustainability project (www.t2sgroundwater.org), which studies grassroots initiatives for groundwater governance, and a variety of studies on farmer-led irrigation development in Tanzania (www.safi-research.org), Mozambique, Uganda, and Rwanda. Current projects focus on the development of city-wide inclusive sanitation plans for five small towns in the southern part of Tanzania under the USAID funded project - MUM: Maji Na Usafi Wa Mazingira.



Dr. Musonda Mumba

Secretary General, Convention on Wetlands

Dr Musonda Mumba is the Secretary General of the Convention on Wetlands.

Dr Mumba is a Zambian-born environmentalist with over 25 years of global experience in environmental management and sustainable development. She joins the Convention from the United Nations Development Programme (UNDP), where she has served as Senior Advisor on the UN Decade on Ecosystem Restoration, leading UNDP's engagement as a Strategic Collaborating Partner in the Decade, and as Director for the Rome Centre for Sustainable Development, with a focus on climate change, sustainable development and nature protection.

Prior to joining UNDP, Dr Mumba worked at the global headquarters of the UN Environment Programme for 12 years in different functions, including as Head of the UNEP Terrestrial Ecosystems Programme.

She is the founder of the Network of African Women Environmentalists (NAWE) and she has received numerous accolades for her work, including being named one the 100 most influential African women. On International Women's Day 2022, she was honoured by the Global Landscape Forum (GLF) as one of 16 women from around the world restoring the planet.

She started her career at the Environmental Council of Zambia, and has held positions with WWF at its

international headquarters in Switzerland, and in East Africa as well as having worked at the Secretariat of the Convention on Wetlands as a Junior Professional between 1998 and 1999.

Dr Mumba holds a PhD in Wetland Hydrology and Conservation from University College London (UCL), and has published extensively in scientific journals and as a contributor to book chapters and in news media. She is an Honorary Senior Research Associate at UCL and a visiting Senior Research Fellow at the Perry World House (PWH) of University of Pennsylvania



Dr. Graham Alabaster

Chief of Section,
UNHabitat

Dr. Graham Alabaster is a public health engineer from UN-Habitat where he is Chief of Waste Management and Sanitation. He has a special interest in urban systems and is experienced in provision of services to low income urban populations. He is currently on loan to UNHCRs WASH Unit. Prior to that he was seconded to WHO's Department for Public Health and Environment from UNHABITAT, where he developed joint programmes on urban development, health and environment. He is the co-chair of the UN-Water taskforce on wastewater and water quality. Before this assignment at UNHABITAT he was Section Chief responsible for Africa and Latin America in Human Settlements Financing Division of UNHABITAT. He is an Engineer by profession, with first degree in Chemical Engineering and a PhD in Civil Engineering. Starting his professional life as a Research Fellow, he travelled extensively in Africa, Asia and Latin America, providing technical assistance on sustainable wastewater management and sanitation, thereafter as an International consultant. He joined UNHABITAT in 1992 and has played a key role in building the Water, Sanitation and Infrastructure Branch. He is a Chartered Engineer and Fellow of the Royal Society of Health. He represents UNHABITAT on many inter-agency bodies. He was the agency representative on the WHO Panel of Experts for the Environmental Control of Vector-borne Diseases (PEEM), with a special interest in urban vector-borne diseases. He has over 35 years experience in the water sanitation and solid waste management sector, working in over 50 countries. In addition to designing and implementing projects in Africa, Arab States, Asia and Latin America, he has global responsibility for policy issues relating to sanitation, pro-poor water and sanitation governance, solid and hazardous waste management, and monitoring water and sanitation MDGs/SDGs. He is committed to urban development and sustainable urbanization..



**Ms. Margaret Athieno
Mwebesa**

Commissioner for Climate
Change
Ministry of Water and
Environment

Ms Margaret is a commissioner for Climate Change in the Ministry of Water and Environment. She is also a national Focal Point officer for the United National Framework Convention on Climate change. She is also the project coordinator for the Investing in Forests and Protected Areas for Climate Smart Development (IFPA-CD) Project Ministry of Water and Environment, UGANDA



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