

WATER AND ENERGY SECTOR

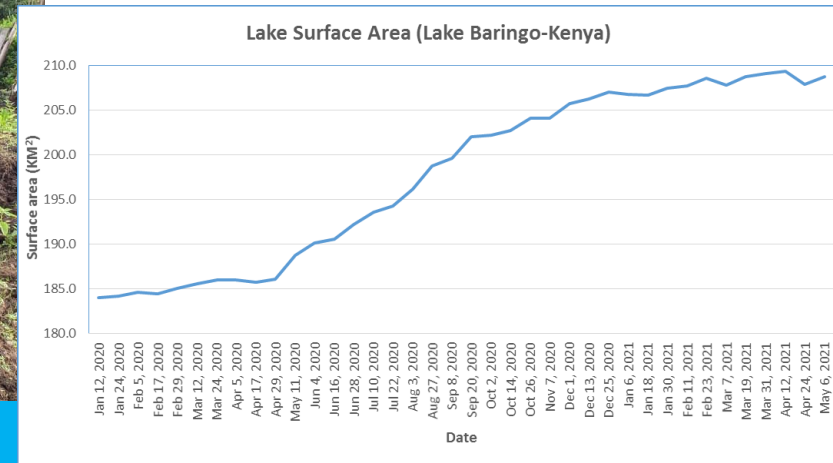
SEASONAL ANALYSIS OF THE IMPACTS OF MARCH – MAY (MAM) 2021



Shebele River floods-Ethiopia



Landslides-Rwanda

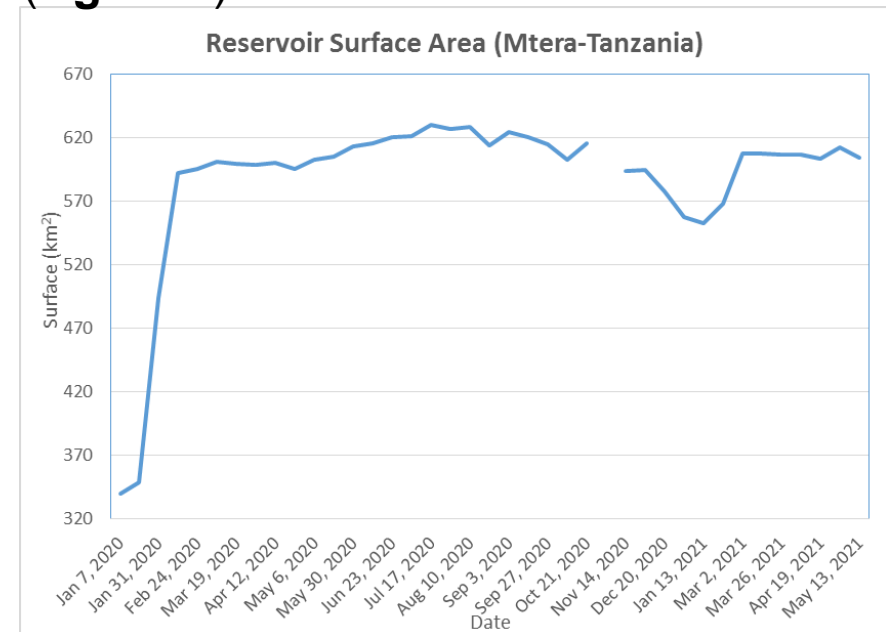
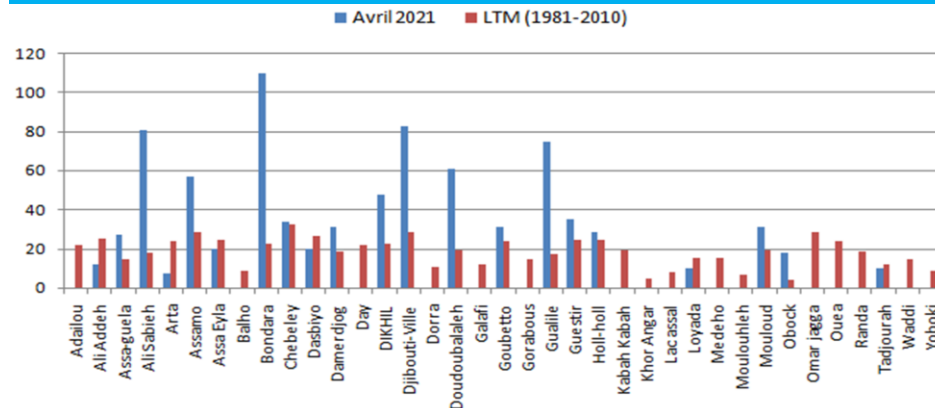


With Inputs and photo credits from: Burundi, Djibouti, Ethiopia, Kenya, Rwanda, Somalia, Sudan, Tanzania and Uganda Focal Water and Energy Point Members

MAM 2021 SUMMARY OF POSITIVE IMPACTS

- Enhanced water harvesting (**Burundi, Kenya, Tanzania, Uganda**)
- Reduced distances to water sources(**Kenya, Uganda**)
- Good recharge of groundwater aquifers(**Burundi, Kenya, Somalia**)
- Enhanced water availability on hydropower, water supply and Irrigation dams (**Burundi, Ethiopia, Kenya, Tanzania**)
- Enhanced water level on rivers for small irrigation farms and livelihood (**Burundi, Ethiopia, Kenya, Uganda**)
- Sustained high water levels in most wetlands (**Uganda**)

April 2021 rainfall Performance -Djibouti



MAM 2021 **NEGATIVE** IMPACTS

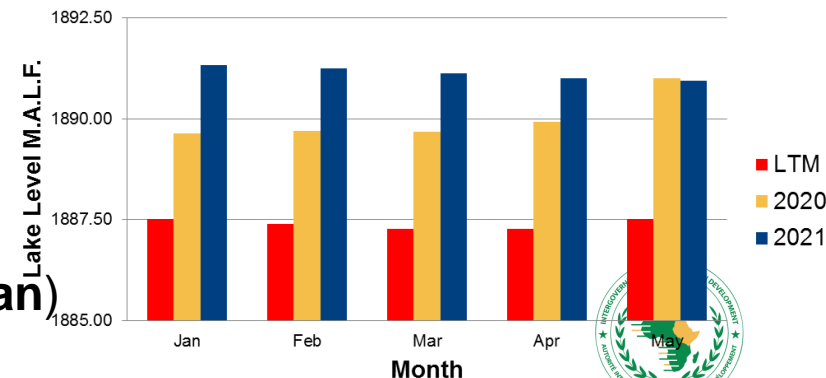
Enhanced Rainfall

- Riverine and Flash flooding (**Burundi, Ethiopia, Kenya, Somalia**)
- Water Quality Reduction due to sewerage contamination and high sediment (**Kenya, Tanzania**)
- soil erosion leading(**Kenya**)
- Damage of Infrastructure, irrigation farms and deaths(**Burundi, Ethiopia, Kenya, Tanzania**)
- Landslides (**Burundi, Ethiopia, Rwanda**)
- Rise in Lake level leading to Sustained disruption of peoples livelihoods (**Burundi, Kenya, Uganda**)
- Interruption of construction-related projects due to persistent high water levels. (**Uganda**)

Depressed Rainfall

- Water Shortage (**Somalia**)
- Surface and ground water severely affected by high temperature (evaporation) (**Sudan**)
- Hydropower affected by low flow into reservoirs (**Sudan**)

2020 and 2021 Lake Naivasha Levels Compared to LTM



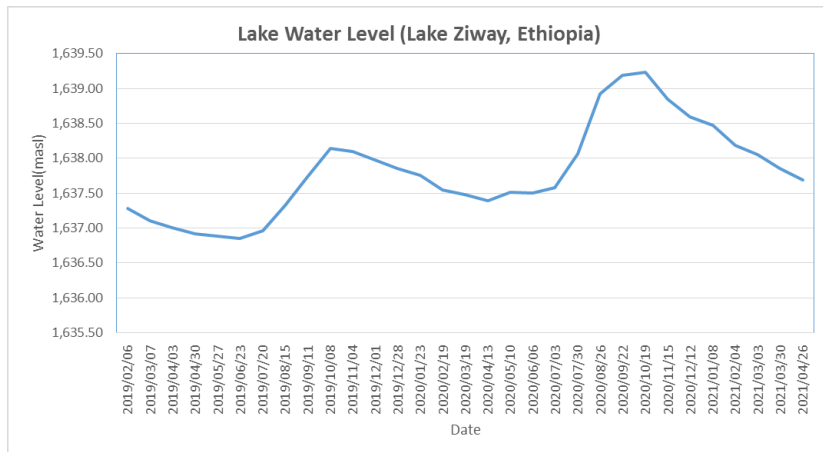
MAM 2021 **NEGATIVE** IMPACTS

Measures taken

- Relocation of households under risk (**Burundi, Rwanda**)
- Early warning via radio, TV, print and social media. (**Burundi**)
- National Platform on DRM to engage the stakeholders and task force on creating community awareness (**Burundi, Ethiopia, Uganda**)

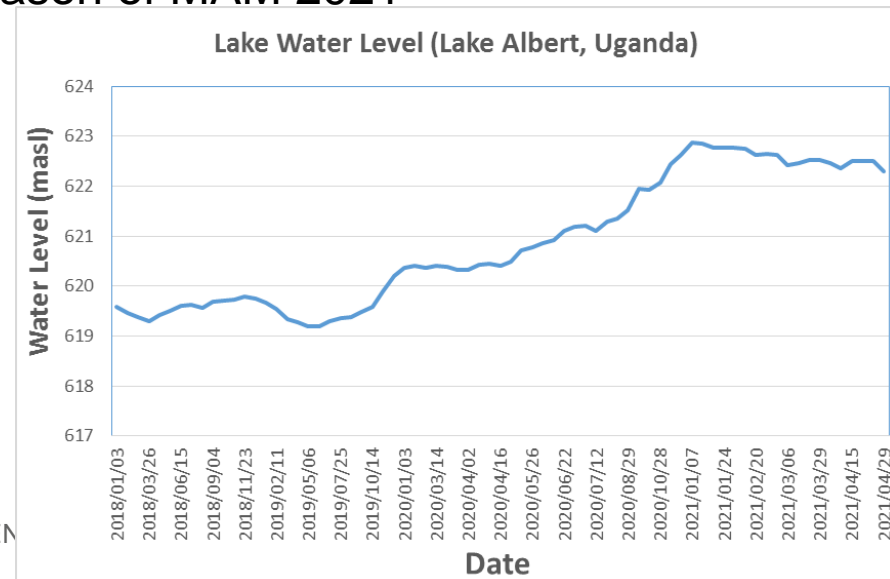
SUMMARY LONG TERM OBSERVED SEASONAL CHANGES

As the rain extended beyond in MAM and JJA 2020, and we faced serious water shortage in OND 2020 and delayed the season of MAM 2021



Wednesday, May 26, 2021

INTERGOVERNMENTAL



IMPLEMENTATION AND IMPACT OF CLIMATE SERVICES AND ADVISORIES IN MAM 2021

Implementation of Advisories:

Through workshops; social media platforms, radio, TV news and electronic mails

Impact:

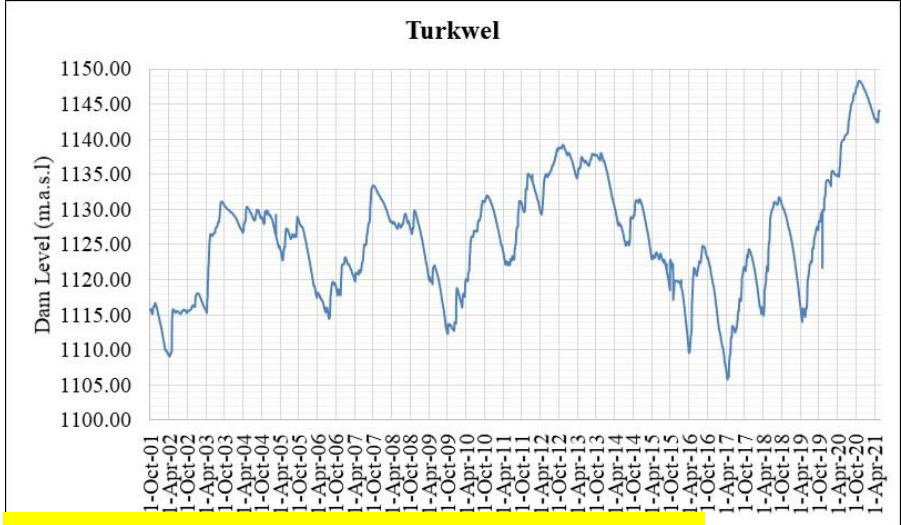
- Distribution of collapsible water tanks and water trucking (**Kenya, Somalia**)
- Training of borehole operators and WUAs (**Kenya**)
- Clearing and desilting on the river channels and dikes (**Ethiopia,**)
- Intensified surveillance and monitoring of water levels in different water bodies based on rainfall forecast (**Kenya, Uganda**)
- Daily status reports on flooding situation in the country with recommendations submitted to the Office of the Prime Minister (Disaster management) to take action (**Uganda**)
- Awareness raising on water conservation (**Djibouti**)
- Awareness campaign for rainwater harvesting for different uses (**Rwanda**)

Challenges:

COVID-19 situation limited physical workshops (all countries)

FLASH FLOODS IN BURUNDI: NEAR LAKE TANGANYIKA





Water level trends of Turkwel Reservoir, Kenya



LANDSLIDES IN NGORORERO DISTRICT_RWANDA



FLOODING NEAR JOWHAR-SOMALIA

THANK YOU!

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