



INTEGRATED WATER RESOURCES MANAGEMENT CONFERENCE

20th to 21st March, 2018

DAY1 RECAP

SESSION1: Status of water resources

- ❑ **Status of water resources in Rwanda (RWFA/WRMD):Tetero Francois/HoD WRMD**
 - Catchment subdivisions (9 level 1 catch&22 level 2 catch.);
 - Water availability at national (6.826 BCM/annum scale and catchments level
 - Water Monitoring network (Water quantity, quality & groundwater)
- ❑ **Rwanda water accounts preliminary findings (NCA)/NIYIDUFASHA Gilbert/ NCA team**
 - Need for water accounts (economic value of water, overall water use estimates, water productivity, etc)
 - Provided today findings (water uses efficiency and productivity, water stress &water availability and demands)
- ❑ **Merging Gauge and Proxies data, a new methodology to improve the accessibility of Climate Services/Floribert Vuguziga/Meteo Rwanda**
 - Enhancing National Climate services
- ❑ **Panel discussion**
 - Questions and answers to the speakers

Session2: Catchment planning session

- **Setting the agenda for integrated spatial planning (W4GR): Rob N.**
 - Brief description of catchment planning approach & introduction of catchments plans (IWRM cycle for catchment plan)
- **Introduction to 4 catchment plans (CTFs): CTFs**
 - Description of catchment plans and IWRM packages integrated responses for Sebeya, upper Nyabarongo and Muvumba demonstration catchments
- **GIS platforms for spatial planning in Rwanda (ESRI): Kaspar Kundert**
- **Panel discussion**

Session3: Water Quality

□ Effects of river discharge and land use / land cover on water quality dynamics (UR)

- Assessing the effects of seasonal changes in rainfall (water discharge) and dynamics of land use and land cover (LULC) on water quality

□ Water pollution baseline study in Rwanda (UR)

- Annual % change in level of non-point-source water pollution
- Number of significant water pollution sources determined (by type and by pollution severity level)
- Proportion of bodies of water with good ambient water quality
- Total area of ecosystems – by level of degradation

□ Panel discussion

Session 4: Opening of Water Week Rwanda 2018

- ❑ Dean/School of Mining on behalf of Principal UR/CST
- ❑ H.E Ambassador of the Kingdom of the Netherlands
- ❑ DG/RWFA on behalf of Hon. Minister of Environment
- ❑ Exhibition opening and tour,
- ❑ **Water allocation models Muvumba and Nyabugogo (RWFA/WRMD)**
 - Projections water availability vs Water demands for 2024, 2030 & 2050 using different scenarios (water storage, IMP, irrigation water use efficiency, domestic water use efficiency, etc)
- ❑ Design of hydraulic structures for flood control, Mpazi sub-catchment (UR)



DAY 2 PROGRAMME



Session I: UNESCO-IHP

- Welcome remarks SG/CNRU
- Welcome remarks by IHP Chairman and IHP context/Dr SEKOMO
- Industrial water demand agro-processing and beverage/Dr Omar
- Groundwater recharge as sustainable solution to IWRM/Dean of School of Eng. Dr. Digne
- Determinants of rice farmers' willingness to pay for irrigation water
- Impacts of hilltop community land use / land cover

Session 2: Advancements of IWRM

- ❑ Deep currents, water levels, waves in Lake Kivu (LKMP)
- ❑ Use of drones in environmental monitoring (Charis UAS)
- ❑ Programmes on water & sustainable livelihoods (UR)
- ❑ Storm water runoff management challenges CoK (UR)
- ❑ Stormwater runoff management challenges in City of Kigali
- ❑ Household water demand and water sources (UR econ.)
- ❑ Panel discussion
- ❑ Conference closing remarks (RWFA/WRMD & UR/SoEng)