

PEACE, PROSPERITY AND REGIONAL INTEGRATION

DATA SHARING EXPRIENCES & PRACTICES IN GHA REGION

BY ISMAEL LUTTA MULAMA

email address: ilutta@icpac.net CLIMATE DATA MANAGEMENT ASST. ICPAC P.O. BOX 10304, 00100 NAIROBI

OUTLINE

- ➢ Background
- Current ICPAC station Observation network-APRIL 2018
- ➢ Regional Datasets Available at ICPAC
- Climate products & Services from ICPAC
- > Data sharing practices in GHA Region
- > Challenges of Data sharing in the GHA Region



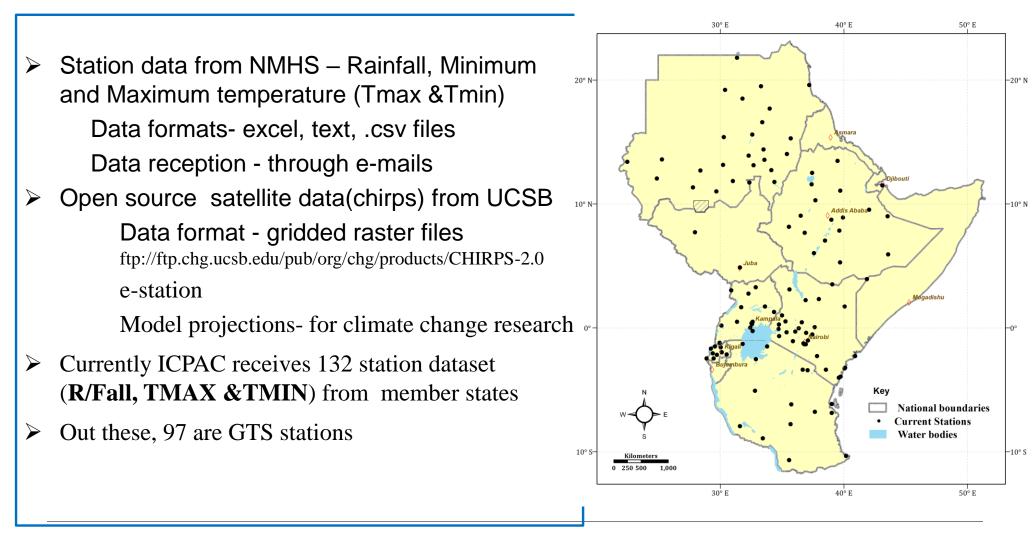
BACKGROUND

- IGAD Climate Prediction and Application Centre (ICPAC) is a specialized institution of IGAD
- ICPAC's mandate includes provision of climate diagnostics, monitoring, prediction and applications of climate information in various socio-economic sectors including climate change.
- produces and utilizes several knowledge/information products, including climate variability/change, Geospatial data sharing, climate applications and capacity building.
- It was established as a drought monitoring Centre in 1989, in response to the devastating drought that occurred in eastern Africa in the 1980s.
- The Centre received WMO designated RCC status 2016.



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CURRENT ICPAC STATION OBSERVATION NETWORK-APRIL 2018





REGIONAL DATASETS AVAILABLE AT ICPAC

Regional station observation datasets

- ICPAC has a regional dataset from NMHSs station observation network from approximately 132 station
- > These comprises **monthly** rainfall and temperature raging from 1961 to current

Regional merged gridded datasets

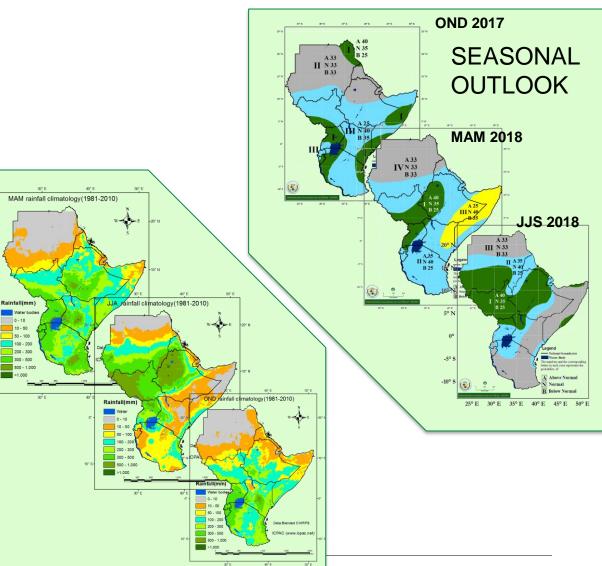
- ICPAC in collaboration with, PREPARED-USAID EAC, NMHSs and Partners developed a regional gridded dataset
- The data for GHA comprises of monthly and dekadal R/F(1981-2017) for which 116 observation stations were merged with satellite (chirps)
- While EAC data comprises of monthly R/F(1981-2013) for which 346 observation stations were merged with chirps
- Gridded data is used in the Data Library-online repository and maproom-collection of maps, diagrams etc. that links the users to specific climate products for their needs
- The user can get climate information for a specific location for e.g. max, min temperatures or rainfall without interacting with the actual data



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CLIMATE PRODUCTS & SERVICES FROM ICPAC

- Climate Monitoring, Data Management & Climatology Forecast
 - Seasonal, monthly (RCOFSs)
 - Climate Data services
 - Rainfall Baselines (1981/2010)
 - Rainfall trends
 - Rainfall variability
 - Long-term changes in rainfall averages/patterns
- Climate Diagnostic prediction & Early warning
 - Frequency of extreme rainfall events (SPI)
 - Significant rainfall thresholds contouring
- Climate Applications
 - Provided climate information required for sector specific applications
- Capacity Building Regional &National trainings





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DATA SHARING PRACTICES IN GHA REGION

- At the establishment of DMC heads of NMHSs agreed to share their station data to enable product generation and service delivery.
- No written document on data sharing
 - Agreed upon guidelines include:- no sharing of station data given to ICPAC to third party
 - ICPAC shares freely open source data
 - ➢ ICPAC products are free to access and use
- NMHSs share data freely with their counterparts through GTS for a some selected stations to assist in forecasting activities as guided by the WMO Resolution 40 (Cg-XII) and 25(Cg. XIII) requirements
- During RCOFs Countries share tools, methodologies and data products to develop climate information consensus on the coming rainfall onset & secession
- Regional database is populated from relevant NMHSs which is quality controlled further. Further processing is done to generate tools &products which include spatial grid point datasets



CHALLENGES OF DATA SHARING IN THE GHA REGION

- From the recent data sharing framework Task Force meeting held in Nairobi, 10-12 June, 2018 - the following
- Challenges and opportunities were identified

Challenges	Opportunities	 Five priority needs were indentified; Station network
 Staffing Station network Data in hard copy Inconsistence for data records (missing data) Meta data Storage devices / Servers - CDMS Calibration of AWS / installation of more AWS Connection to GTS / communication systems Policy on data Source of revenue Fewer stations for re-blending and validating CHIRPS 	 Funding from Government Blended and gridded data Data Library and Maprooms Data Rescue, digitize data Capacity building on data management 	 Capacity to manage data Digitization of data in hard copy Policy on data sharing Storage devices / Servers - CDMS Calibration of AWS / installation of more AWS Connection to GTS / communication systems Inconsistence of data records (missing data) Meta data





AU SERVICE DE LA PAIX POUR UNE REGION PROSPÉRE ET INTÉGRÉE DEPUIS 1986

THANK YOU VERY MUCH!



INTERGOVERNMENTAL AUTHORITY ON DEVELOPMENT