



NILE BASIN INITIATIVE
INITIATIVE DU BASSIN DU NIL



The Annual State of Climate of Uganda -2019

by

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Outline

1. Background

2. Data

3. National Climate Assessment

4. Recommendations

1. Background

The Annual State of Climate reveals the extent of climate variability and change in a given location.

❖ **At Global Level:** The Annual State of the Global Climate is prepared and published by the World Meteorological Organization (WMO) since 1993.*

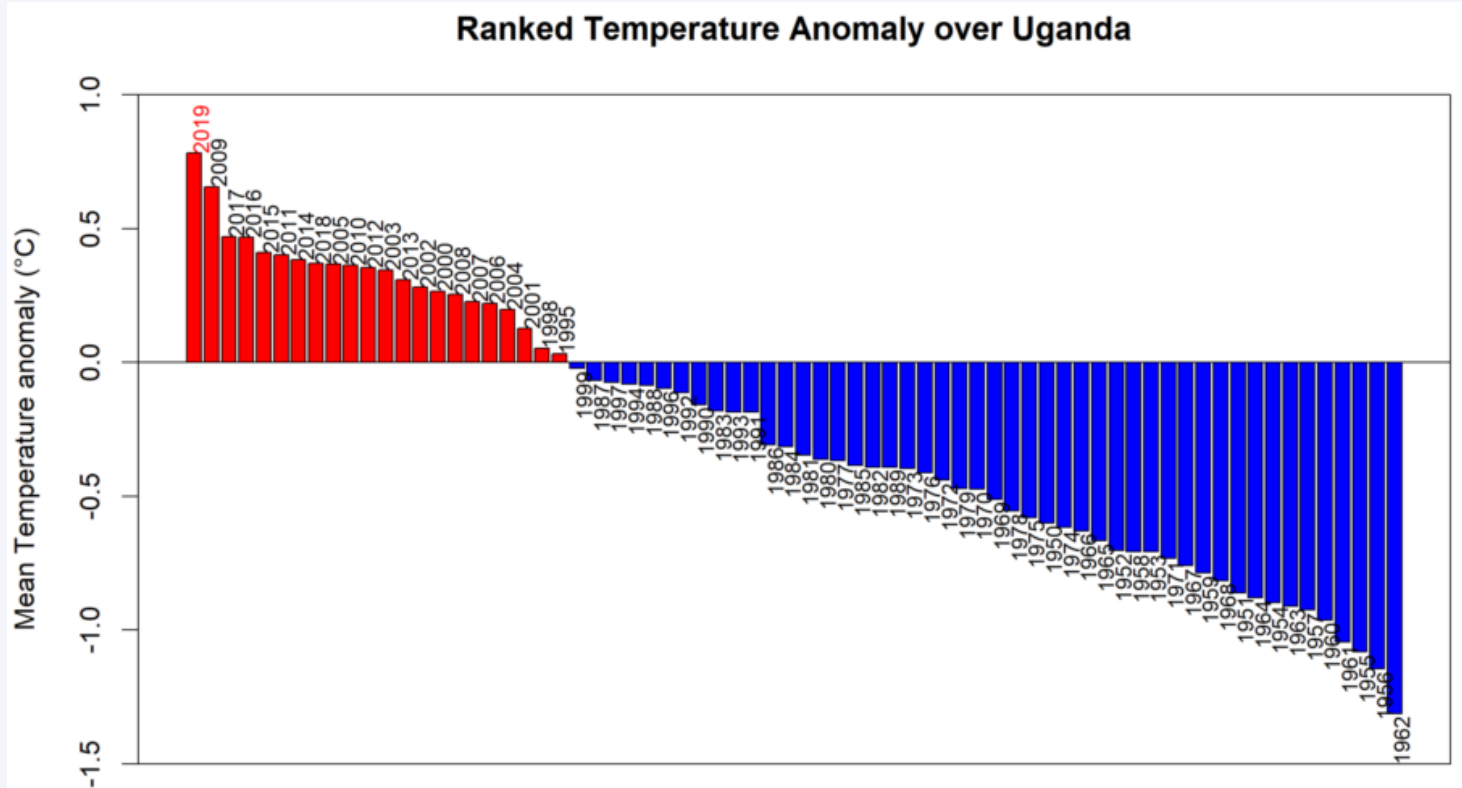
❖ **At Continental Level:** The Annual State of Climate of Africa is annually prepared and published by African Centre of Meteorological Applications for Development (ACMAD), in Niamey, Niger.

❖ **At National Level:** The Annual State of Climate of Uganda is prepared and published by the UNMA annually since 2017.

2. Data

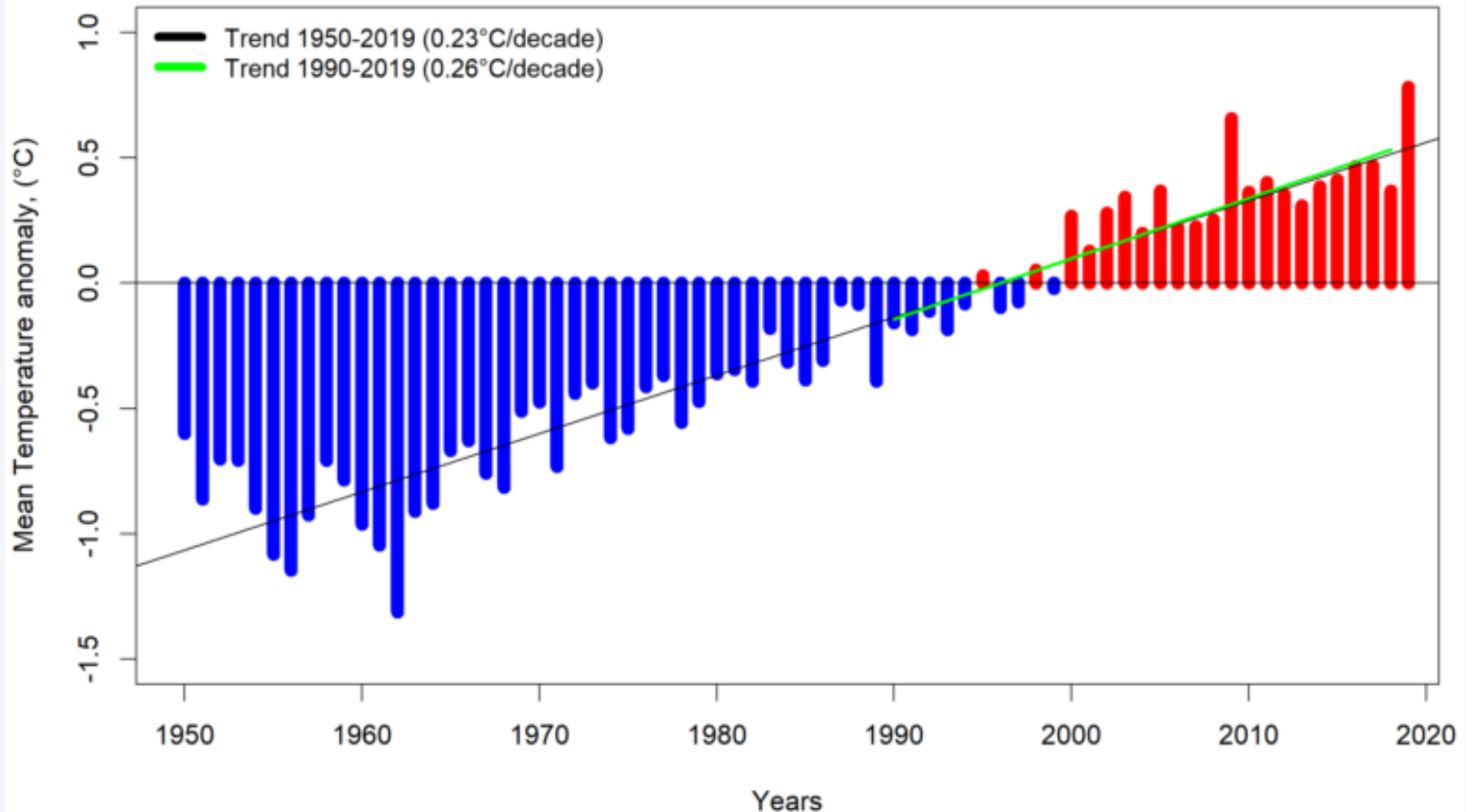
- ❖ Temperature over Uganda: 1950-2019
- ❖ Rainfall of Uganda: 1981-2019
- ❖ WMO Operational Reference Period:
1981-2010

3. National Climate Assessment

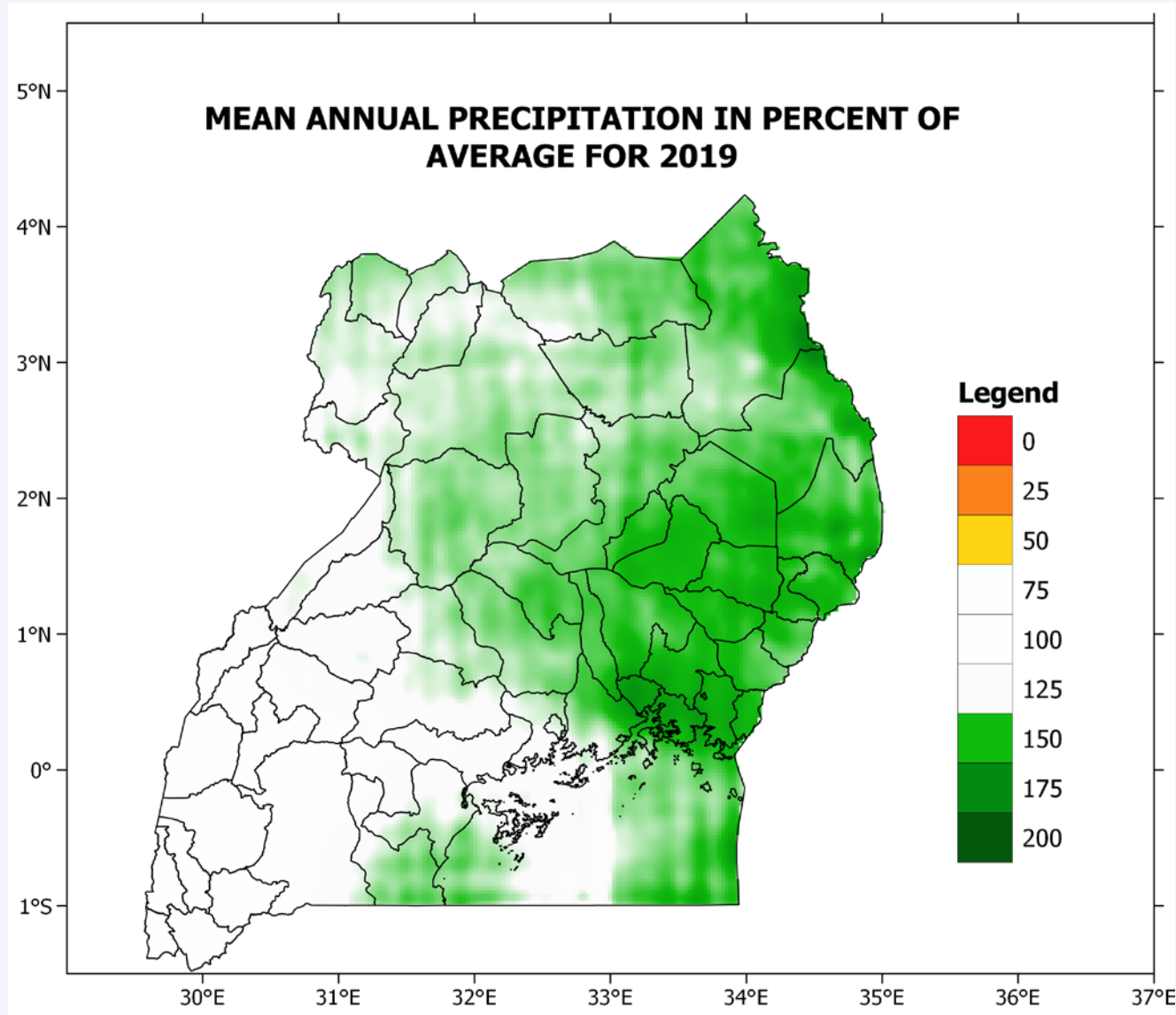


- ❖ Warmest year on record since 1950 was 2019.
- ❖ 20 warmest years since 1950, all came after year 2000
- ❑ Investment in the Nile Basin need to consider warming levels in the region

Temperature Anomaly over Uganda



Warming rate is higher in recent years: 1990-2019 than 1950-2019



Uganda experienced normal to above normal rainfall during 2019

Year 2018 was the 7th Warmest on record since 1950

The National Warming Level was 0.37 °C in 2018 and 0.78 °C in 2019

2019: The **Warmest** on record since 1950

The State of Climate of Uganda in 2018 and 2019

Rate of Warming:
1950-2019: 0.23 °C/decade
1990-2019: 0.26 °C/decade

Western Uganda is Warming Faster than other regions

Above Normal Rainfall led to Flooding, Mudslides, loss of lives and properties

Re-thinking Investment in the Nile Basin should consider:

- ❖ All aspects of climate in line with the observed warming trends in the region
- ❖ Investing in climate science for informed decision making (e.g. Collaboration with UNMA and other NMHS in research)
- ❖ Directorate of Training and Research of UNMA is available for collaborative research with NBI.



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THANK YOU!

