



Kigali, 10<sup>th</sup> May 2023

**Weather forecast valid from 11<sup>th</sup> to 20<sup>th</sup> May 2023**

1. **Rainfall forecast:** During the second (2<sup>nd</sup>) dekad of May 2023, rainfall ranging between 10 and 80 mm is expected across the country. A considerable decrease in rainfall amount and rainy days compared to previous dekad (1<sup>st</sup> dekad of May) is expected across the country. The expected rainfall amount will be in the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between two (2) and four (4) days. Like hood of rain will be on 11<sup>th</sup>, 13<sup>th</sup> and from 18<sup>th</sup> towards the end of dekad, with 2 to 3 days in Eastern Province, Kigali City and Southern Province and 3 to 4 days in Northern and Western Provinces. The main factor influencing the rain is the Inter-Tropical Convergence Zone (ITCZ) moving towards the Northern hemisphere.

**Spatial distribution of rainfall:** Rainfall ranging between 60 and 80 mm is expected in parts of Rusizi, Nyamasheke, Karongi, Rutsiro, Ngororero, Rubavu, Nyabihu, Musanze and Burera Districts. Rainfall ranging between 40 and 60 mm is expected in the remaining parts of Western and Northern Provinces except southern parts of Gicumbi and Rulindo Districts, in Nyaruguru District and western parts of Nyamagabe and Huye Districts. The rainfall below 20 mm is the lowest amount expected over many parts of Nyagatare, Gatsibo, Kayonza, Kirehe and in southern parts of Ngoma and Bugesera Districts. The remaining parts of the country are expected to record rainfall ranging between 20 and 40 mm as per the map below.

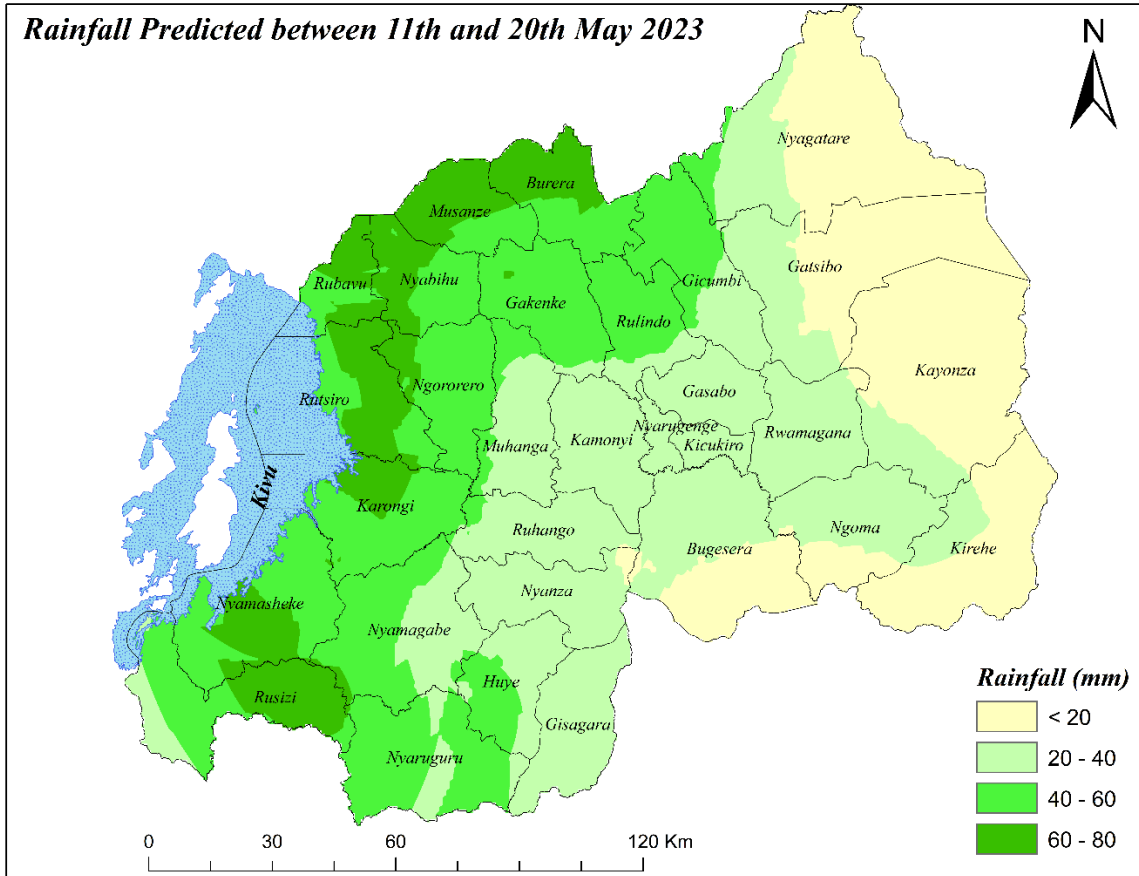
**Expected Impacts:** Impacts associated with light to moderate rains and accumulated rain are expected during the dekad. Likely impacts of flooding on road surfaces, in localized agricultural areas, flood-prone areas during rainstorms, soil erosion and landslides in areas of high slopes therefore mitigation measures should be put in place by relevant institutions.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected over few parts of Rusizi, Nyamasheke, Karongi, Rutsiro, Rubavu and Gatsibo Districts. The rest of the country is expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).
3. **Temperature forecast:** During the second (2<sup>nd</sup>) dekad of May 2023, the average maximum temperature is expected to range between 18°C and 28°C which is normal maximum temperature during second (2<sup>nd</sup>) dekad of May 2023. Nyarugenge, Kicukiro and Bugesera Districts, western parts of Gasabo and Ngoma Districts, eastern parts of Nyagatare, Kamonyi, Ruhango, Nyanza, Gisagara Districts and Bugarama plain are expected to experience higher maximum temperature ranging between 26°C and 28°C. Parts of Eastern, Rubavu, western Nyabihu and northern Burera, and Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.

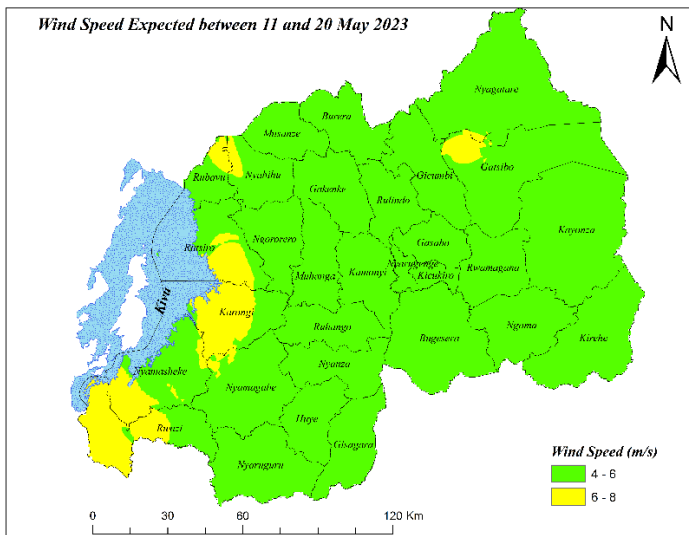
For more detailed information on spatial distribution map of rainfall, maximum temperature and wind speed, please refer to the following maps below.



### Rainfall Predicted between 11th and 20th May 2023



### Wind Speed Expected between 11 and 20 May 2023



### Maximum Temperature Predicted between 11 and 20 May 2023

