



Kigali, 11th December 2023

Weather forecast valid between 11th and 20th December 2023

1. **Rainfall forecast:** During the second (2nd) dekad of December 2023, the amount of rainfall ranging between 20 and 120 mm is expected across the country. The expected rainfall amount will be in the range of Long-Term Mean (LTM) in Eastern Province, eastern parts of Kigali City and some parts of Amayaga region, and above the range of LTM in remaining parts (The range of LTM varies between 20 and 70 mm). Rainy days are expected to vary between three (3) and seven (7) days. Rainy days are expected from 11th to 15th in many parts of the country except in southwestern parts where it is expected to extend up to 18th December 2023. The main factors influencing the rainfall is the southward migration of Inter Tropical Convergence Zone (ITCZ) and local features.

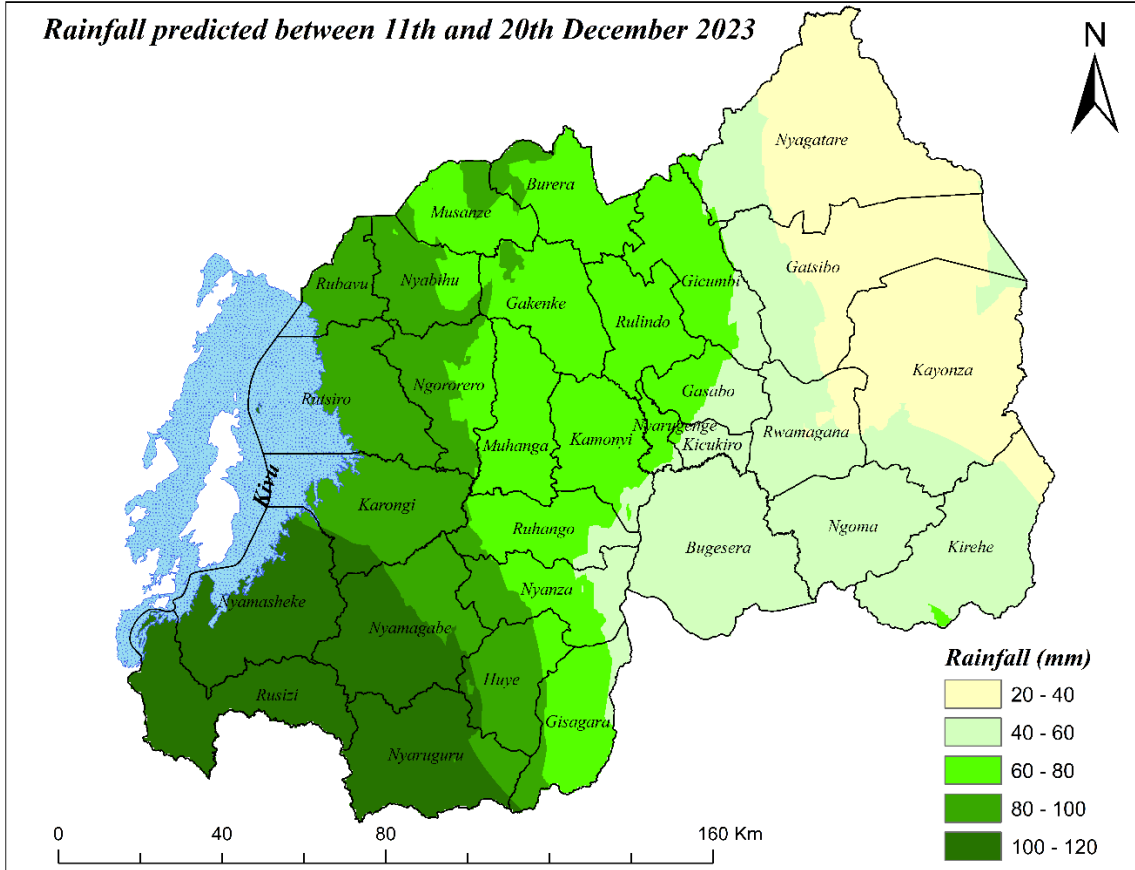
Spatial distribution of rainfall: Rainfall ranging between 100 and 120 mm is the highest expected over Rusizi, Nyamasheke, many parts of Nyamagabe and Nyaruguru Districts and southern parts of Karongi District. Rainfall ranging between 80 and 100 mm is expected over the rest of Western Province, Nyaruguru and Nyamagabe Districts, many parts of Huye and western parts of Nyanza District. The rainfall ranging between 20 and 40 mm is the lowest amount expected over many parts of Nyagatare, Gatsibo and Kayonza Districts while the rest of Eastern province including eastern parts of Kigali City and Amayaga is expected to record rainfall ranging between 40 and 60 mm. Northern Province and the rest of Southern Province is expected to record rainfall ranging between 60 and 80 mm.

2. **Forecast of wind speed:** Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Moderate wind speed ranging between 4 and 6 m/s (green colour) is expected in many parts of the country except parts of Nyagatare, Gatsibo, Gicumbi, Nyanza, Ruhango, Huye and Gisagara Districts where slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is predicted.
3. **Temperature forecast:** During the second (2nd) dekad of December 2023, the average maximum temperature is expected to range between 18°C and 28°C which is ranging within LTM maximum temperature of second dekad of December. Many parts of Kigali City, Bugarama, Amayaga, Bugesera, Ngoma, Rwamagana and Nyagatare Districts are expected to experience higher maximum temperature ranging between 26°C and 28°C. Northern parts Nyabihu, Rubavu and Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
4. **Expected Impacts:** Impacts associated with heavy rainfall are expected in south western parts of the country where high amount of rainfall is expected. Likely impacts are flooding on road and near rivers surfaces, flood-prone areas and landslides in areas of high slopes. Preparedness and mitigation measures should be put in place by relevant institutions and the public to minimize impacts that may be caused by the expected rain.

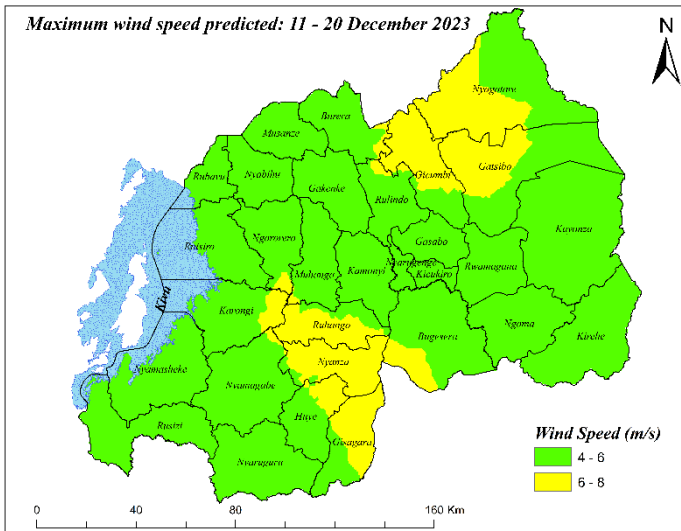
For more detailed information on spatial distribution map of rainfall, maximum temperature and wind speed, please refer to the following maps below.



Rainfall predicted between 11th and 20th December 2023



Maximum wind speed predicted: 11 - 20 December 2023



Maximum temperature predicted: 11 - 20 December 2023

