



Kigali, 30th November 2023

Weather forecast valid between 1st and 10th December 2023

1. **Rainfall forecast:** During the first (1st) dekad of December 2023, an increased amount of rainfall is expected with wetter conditions persisting more especially in south western parts of the country. The amount of rainfall ranging between 20 and 150 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) during the first (1st) dekad across the country except in many parts of Nyagatare District where LTM rainfall is predicted. (The range of LTM varies between 20 and 70 mm). Rainy days are expected vary between four (4) and eight (8) days, unevenly distributed over different parts of the country. The main factors influencing the rainfall is the positive Indian Ocean Diopole (IOD) moderated by local factors and southward migration of Inter Tropical Convergence Zone (ITCZ).

Spatial distribution of rainfall: Rainfall ranging between 120 and 150 mm is the highest expected over Rusizi, Nyamasheke, Nyamagabe, and Nyaruguru Districts, southern parts of Karongi and western parts of Huye District. Rainfall ranging between 100 and 120 mm is expected over Rubavu, Rutsiro, Musanze and Burera Districts, remaining parts of Huye and Karongi Districts, northern parts of Gicumbi District and western parts of Gisagara, Nyanza and Ruhango Districts. The rainfall ranging between 20 and 40 mm is the lowest amount expected over northern parts of Nyagatare. The remaining parts of Northern and Southern Provinces are expected to experience rainfall ranging between 80 and 100 mm while Kigali City and the rest of Eastern Province are expected to receive rainfall ranging between 40 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 Ngoma, Rwamagana, Kayonza, Nyanza, Ruhango, Muhanga, Kamonyi, Nyaruguru and Rusizi Districts where slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is predicted.
3. **Temperature forecast:** During the first (1st) 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 first (1st) 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. Western parts Nyabihu and Nyamagabe, eastern parts of Rubavu and northern parts Musanze Districts are expected to experience lower maximum temperatures ranging between 18°C and 20°C.
4. **Expected Impacts:** Impacts associated with heavy and accumulated rain are expected across the country. Likely impacts are flooding on road and near rivers surfaces, flood-prone areas, slippery roads and poor visibility during rainstorms, soil erosion and landslides in areas of high slopes especially where heavy rainfall is expected. 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.

