



Kigali, 28th February 2023

Weather forecast valid from 1st to 10th March 2023

Rainfall forecast: During the first (1st) dekad of March 2023, rainfall ranging between 20 and 120 mm is expected across the country. The expected rainfall amount is expected to increase compare to the previous dekads of February 2023 and will be above the range of Long-Term Mean (LTM) in many parts of Western, Southern and Northern Provinces while in Kigali City and Eastern Province is expected to be in the range of LTM (The range of LTM varies between 20 and 100 mm). Rainy days are expected to vary between three (3) days and seven (7) days across the country. Rainy days are expected to show up in the first half of the dekad from 1st to 5th in many parts of the country and a reduction of rain days are expected in second half of the dekad towards the end. The predicted rainfall will be associated with the start of seasonal rains in Northern, Southern and Western Provinces. The main drivers of expected rains are the position of Intertropical Convergence Zone (ITCZ) within the region where Rwanda is located and local features connection.

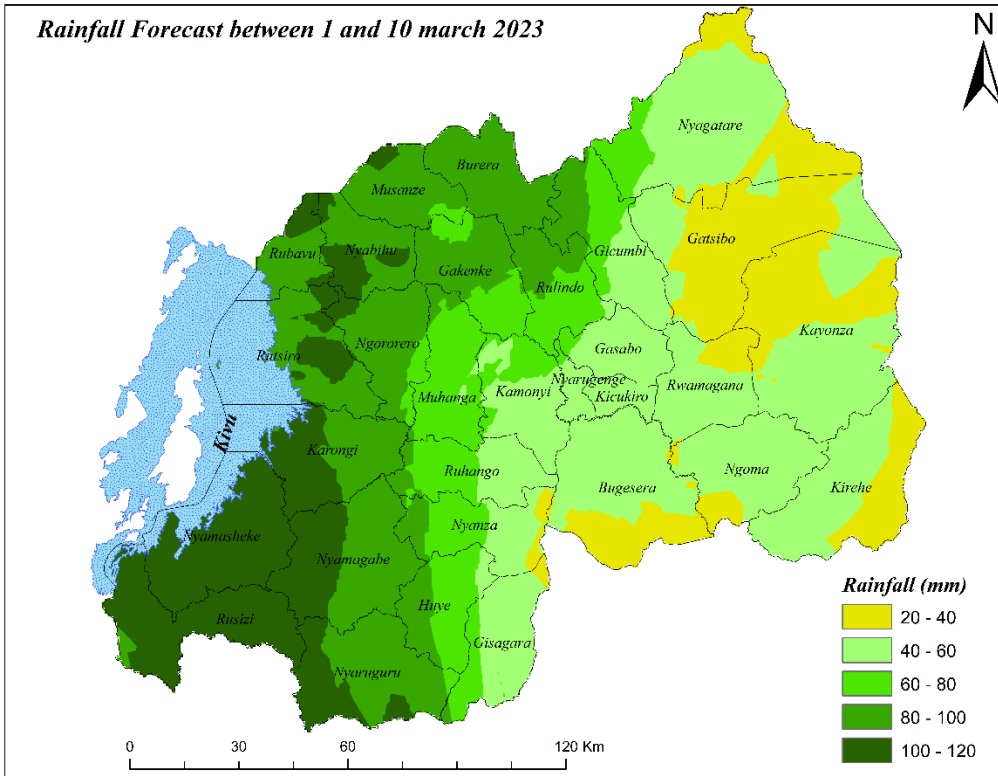
Higher amount of rainfall in the dekad is expected to range between 100 and 120 mm over Rusizi and Nyamasheke Districts, western parts of Nyaruguru, Nyamagabe and Karongi Districts and isolated parts of Rutsiro, Rubavu and Nyabihu Districts. The remaining parts of Western Province, Nyaruguru and Nyamagabe Districts and many parts of Northern Province are expected to record rainfall ranging between 80 and 100 mm. The rainfall ranging between 20 and 40 mm is the lowest amount expected over most parts of Nyagatare, Gatsibo, Kayonza, Rwamagana, Bugesera and Nyanza Districts while the remaining parts of Eastern Province, Kigali City and Amayaga region are expected to receive rainfall ranging between 40 and 60 mm. The rest of the country is expected to record rainfall ranging between 60 and 80 mm.

- 1. 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 over Ngoma District and parts of Kirehe, Kayonza, Bugesera, Nyanza, Gisagara, Huye, Gakenke and Rutsiro Districts and few isolated parts of Nyamagabe, Musanze and Kigali City. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in remaining parts of the country.
- 2. Temperature forecast:** During the first (1st) dekad of March 2023, the average maximum temperature is expected to range between 20°C and 30°C. Parts of Kigali City, Amayaga region, Bugarama plain Bugesera, Ngoma, Nyagatare and Gatsibo Districts are expected to experience highest maximum temperature ranging between 28°C and 30°C. The parts of Ngororero, Rubavu, Nyabihu, Musanze and Nyamagabe Districts are expected to receive lowest temperatures ranging between 20°C and 22°C. The expected temperature will be in the range of Long Term Mean maximum temperature.

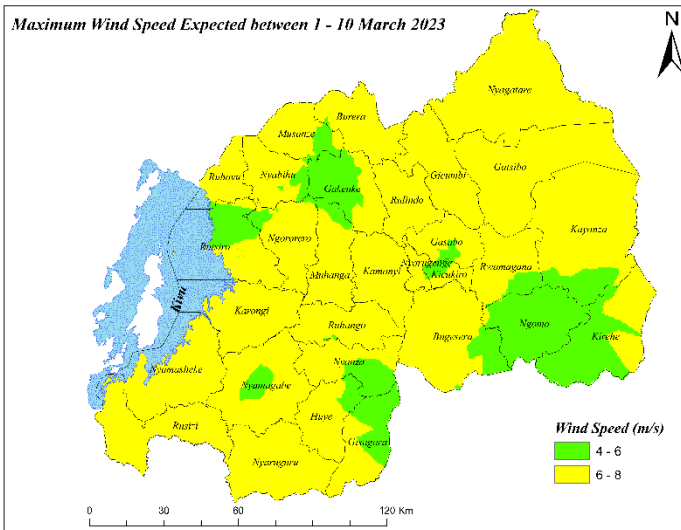
For more detailed information on spatial distribution of rainfall, maximum temperature and wind speed, please refer to the following maps below.



Rainfall Forecast between 1 and 10 march 2023



Maximum Wind Speed Expected between 1 - 10 March 2023



Maximum Temperature Forecast Between 1 and 10 march 2023

