



Kigali, 1<sup>st</sup> January 2023

### Weather forecast valid from 1<sup>st</sup> to 10<sup>th</sup> January 2023

**Rainfall forecast:** During the first (1<sup>st</sup>) dekad of January 2023, rainfall ranging between 0 and 60 mm is expected across the country. A considerable decrease of rainfall is expected in comparison with previous two dekads of December 2022, second (2<sup>nd</sup>) and third (3<sup>rd</sup>). Higher amount of rainfall is expected to range between 40 and 60 mm and is expected over many parts of Rusizi and Nyamasheke Districts, western parts of Nyaruguru and Nyamagabe Districts and along Birunga National Park. The remaining parts of Western Province, most parts of Nyaruguru, Nyamagabe, Musanze, Burera and localized parts of Gakenke, Gicumbi and Nyagatare Districts are expected to record rainfall ranging between 20 and 40 mm. The rainfall less than 10 mm is the lowest amount of rainfall expected over most parts of Amayaga, Gatsibo, Kayonza, Kirehe, Rwamagana, Gicumbi and Bugesera Districts.

The expected rainfall amount will be in the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 0 and 70 mm). Rainy days are expected to vary between one day (1) and four days (4) days with more days in south western parts of the country. Rainy days are expected between 4<sup>th</sup> and 5<sup>th</sup> in many parts of the country and from 7<sup>th</sup> towards the end of the dekad especially in south western parts of the country. The predicted rainfall will result from southward migration of Inter Tropical Convergence Zone (ITCZ) supported by local features.

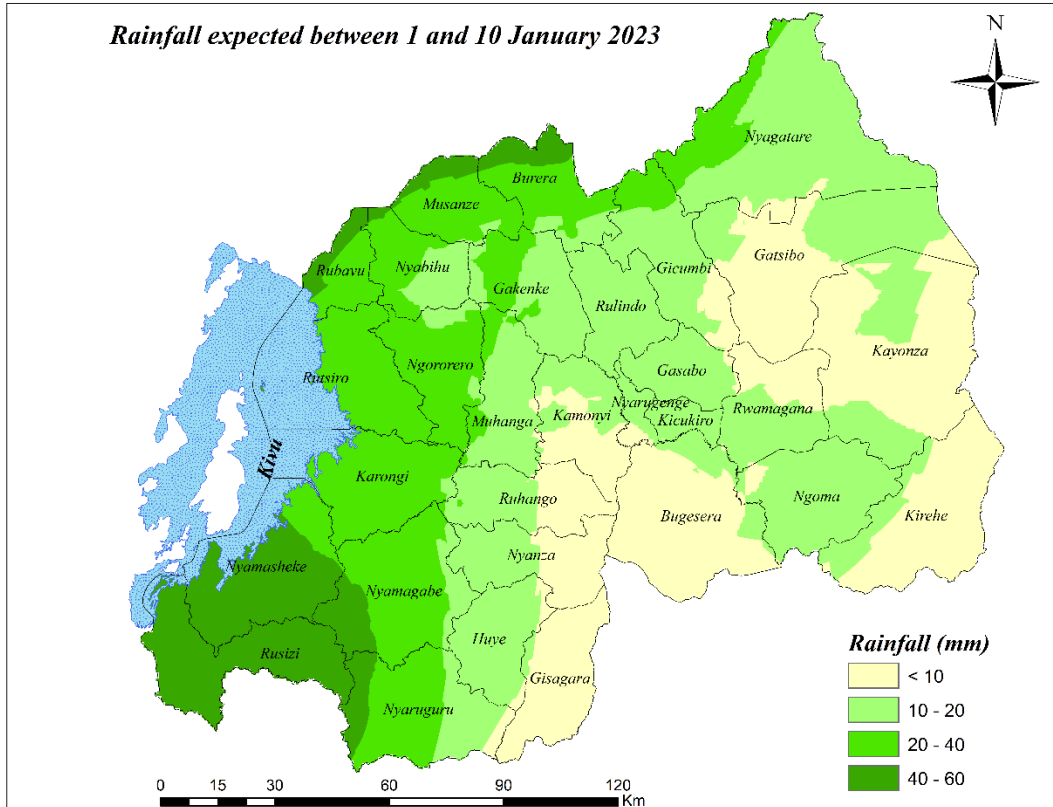
Rainfall cessation are more likely in this month of January starting in first dekad over many parts of the country except south western parts of the country (Karongi, Nyamasheke, Rusizi, Nyamagabe and Nyaruguru) where rains are expected to continue. **Forecast of wind speed:** Moderate to slightly strong 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 Nyagatare, Gatsibo, Kigali City, parts of Kayonza, Rwamagana, Bugesera, Kamonyi, Gakenke, Gicumbi, Burera, Musanze, Ngororero, Nyabihu, Muhanga, Rulindo, Rutsiro, Rubavu, Nyamasheke and Rusizi Districts. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in the remaining parts of the country.

**Temperature forecast:** During the first (1<sup>st</sup>) dekad of January 2023, the average maximum temperature is expected to range between 20°C and 30°C. Localized parts of Kigali City, Amayaga region and Bugarama plain are expected to experience higher temperature ranging between 28°C and 30°C. The parts of Ngororero, Rutsiro, Rubavu, Nyabihu, Musanze, Burera, Gicumbi and Nyamagabe and Nyaruguru Districts are expected to receive lower temperatures ranging between 20°C and 22°C. The expected temperature will be in the range of Long Term Mean maximum temperature.

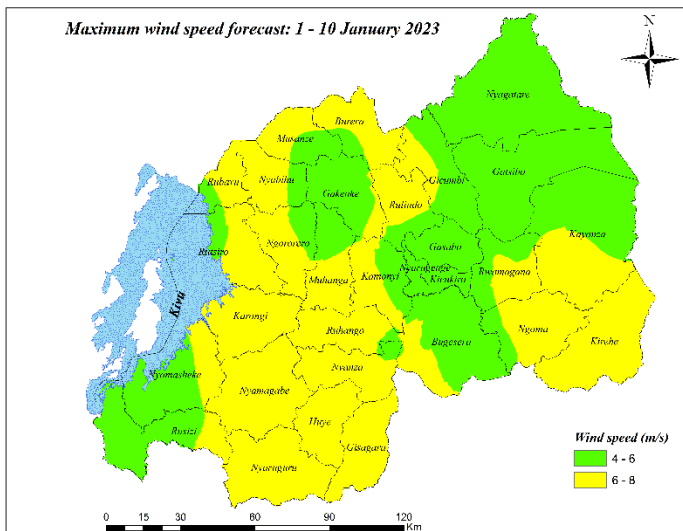
For more detailed information on spatial distribution of rainfall, maximum temperature and wind speed, please refer to the following maps below.



Rainfall expected between 1 and 10 January 2023



Maximum wind speed forecast: 1 - 10 January 2023



Maximum temperature forecast: 1 - 10 January 2023

