



Kigali, 20<sup>th</sup> December 2022

**Weather forecast valid from 21<sup>st</sup> to 31<sup>st</sup> December 2022**

- 1. Rainfall forecast:** During the third (3<sup>rd</sup>) dekad of December 2022, rainfall ranging between 30 and 150 mm is expected across the country. An increase of rainfall will be expected in comparison with the second (2<sup>nd</sup>) dekad of December 2022. Higher amount of rainfall is expected to range between 120 and 150 mm over parts of Rusizi, Nyamasheke and southern parts of Nyaruguru Districts. The remaining parts of Western Province, Nyaruguru District, most parts of Nyamagabe, western parts of Musanze, Gakenke and Huye Districts are expected to record rainfall ranging between 90 and 120 mm. The rainfall ranging between 30 and 60 mm is the lowest amount of rainfall expected over most parts of Nyagatare, Gatsibo, Kayonza, southern parts of Kirehe, Ngoma and Bugesera Districts, eastern Nyanza and Gisagara Districts.

The expected rainfall amount will be above the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 10 and 60 mm). Rainy days are expected to vary between three days (3) and seven days (7) days with more days registered in south western parts of the country compare to north eastern parts of the country. Rainy days will be evenly distributed across the dekad. The predicted rainfall will result from southward migration of Intertropical Convergence Zone (ITCZ) supported by local features.

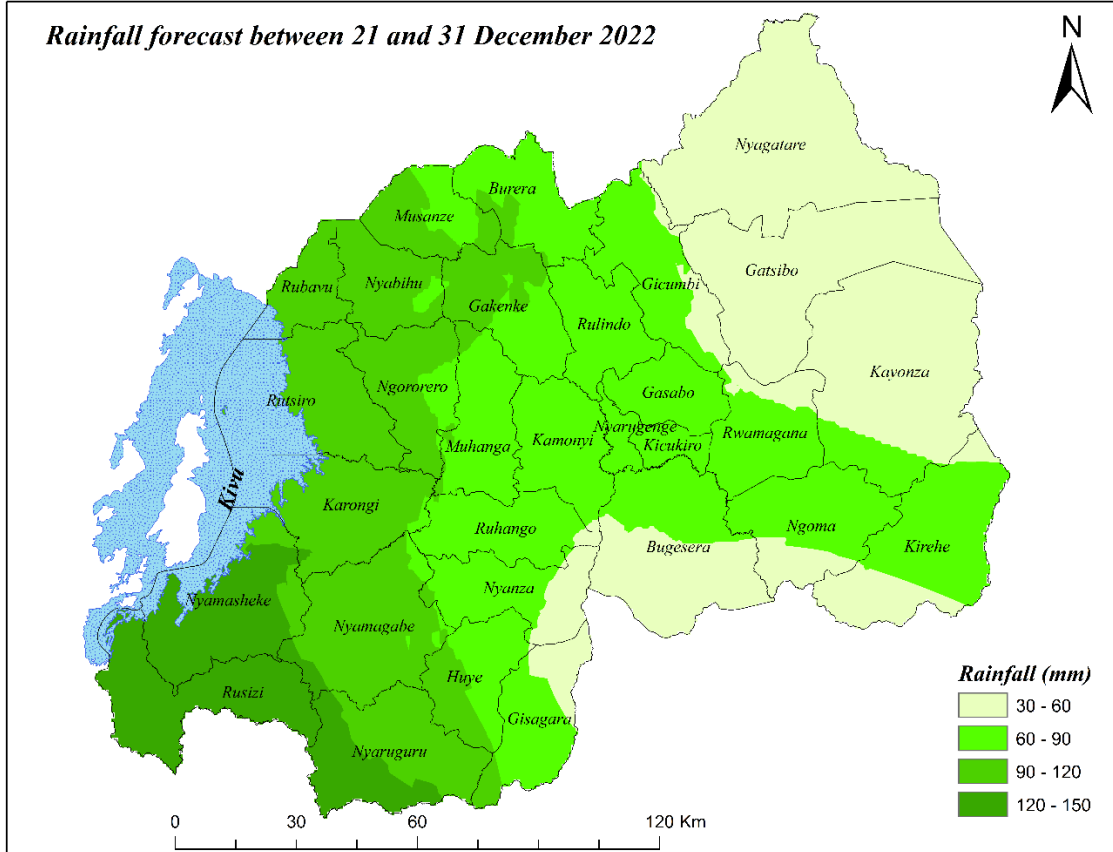
**The rainfall cessation communicated in seasonal forecast which was predicted to be in third (3<sup>rd</sup>) and fourth (4<sup>th</sup>) week of December was altered because of changes in sea surface temperature from cold to slightly warm conditions (La Nina to Neutral conditions) which led to rains continuing in many parts of the country and dates of rainfall cessations will be communicated towards the end of December 2022.**

- 2. Forecast of wind speed:** Slightly strong to moderate 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 most parts of the country except localized parts of Nyaruguru, Ruhango, Ngororero, Gicumbi and Rubavu Districts where slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected.
- 3. Temperature forecast:** During the third (3<sup>rd</sup>) dekad of December 2022, the average maximum temperature is expected to range between 18°C and 28°C. The few parts of Kigali City, Amayaga region, Bugarama plain, Bugesera and Ngoma Districts are expected to experience higher temperature ranging between 26°C and 28°C. Parts of Ngororero, Rubavu, Nyabihu, Musanze, Burera, Gicumbi and Nyamagabe Districts are expected to receive lower temperatures ranging between 18°C and 20°C. The expected temperature will be in the range of Long Term Mean maximum temperature.
- 4. Impacts and advisories:** Impacts related to accumulated rainfall conditions are expected in some parts of Western and Southern Provinces, therefore, mitigation and preventive measures should be put in place.

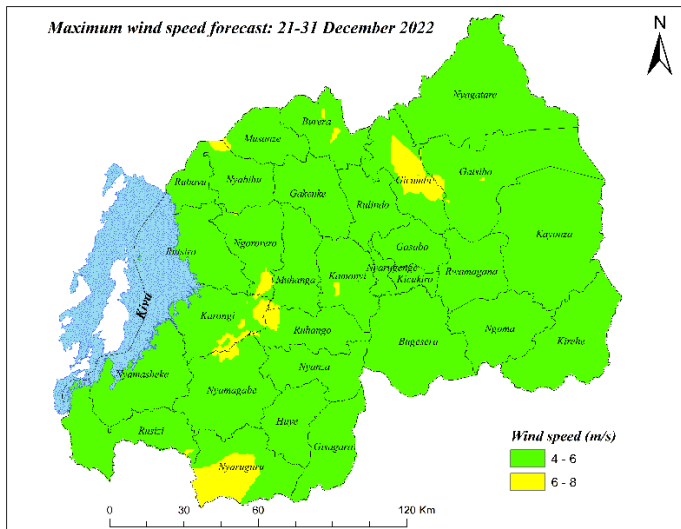
For more detailed information on spatial distribution of rainfall, maximum temperature and wind speed, please refer to the following maps below.



### Rainfall forecast between 21 and 31 December 2022



### Maximum wind speed forecast: 21-31 December 2022



### Mean maximum temperature forecast: 21-31 December 2022

