



Weather Forecast for the month of December 2022

1. Rainfall forecast

During the month of December 2022, the amount of rainfall ranging between 50 and 200 mm is expected across the country. The expected rainfall for the month of December 2022 will be within the range of Long-Term Mean (LTM) over many parts of Kigali City, Western, Northern and Southern Provinces. Many parts of Eastern Province will experience below LTM rainfall in December 2022. The first dekad of December is expected to record rainfall in the range of LTM with a tendency to slightly above LTM in south western parts of the country, the second dekad is expected to record slightly below LTM rainfall while the third dekad is expected to record LTM rainfall across the country. Long-Term Mean rainfall for the month of December ranges between 40 and 200mm.

The spatial distribution map below shows that higher amount of rainfall expected to range between 175 and 200 mm over few parts of Rusizi and many parts of Nyamasheke District while rainfall ranging between 150 and 175mm is expected in remaining parts of Nyamasheke, remaining parts of Rusizi except Bugarama plain and western parts of Nyamagabe and Nyaruguru. A reduced amount of rainfall ranging between 50 and 75mm is expected in some parts of Nyagatare and Gatsibo Districts, southern parts of Kirehe, Bugesera Districts and eastern parts of Gisagara District. A big part of Kigali, Eastern Province and Amayaga are expected to record rainfall ranging between 75 and 100 during the month of December 2022. The spatial distribution map shows that rainfall will decrease from Western to Eastern parts of the country due to the retreating Inter Tropical Zone (ITCZ) to the southern hemisphere.

2. Wind Speed forecast

The wind speed distribution as indicated by the map below for the month of December 2022 shows that moderate to strong wind ranging between 4m/s and 10m/s is expected across the country. Many parts of the country are expected to experience slightly strong winds ranging between 6 and 8 m/s (yellow colour) while strong wind ranging between 8m/s and 10m/s (amber colour) is expected in southern parts of Gatsibo and northern parts of Kayonza District. Moderate wind ranging between 4 and 6 m/s (green colour) is expected over northern parts of Nyagatare, Ngororero and Muhanga Districts, many parts of Gakenke and Rutsiro Districts, eastern parts of Nyabihu and localized parts of Rusizi District.

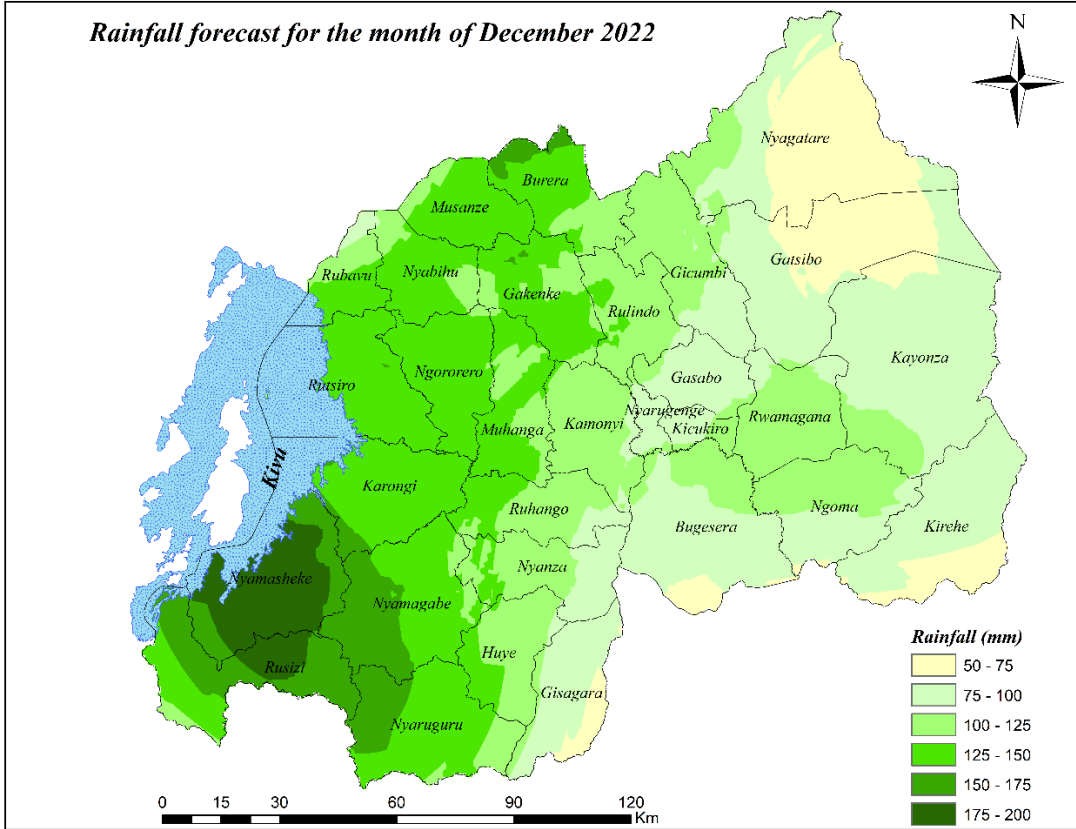
3. Temperature forecast

During the month of December 2022, the maximum temperature is expected to range between 18°C and 28°C. Parts of Kigali City, Amayaga region, Bugarama plain, Bugesera, Western parts of Ngoma and Rwamagana, eastern parts of Nyagatare and Gatsibo and some pockets of Kirehe and Kayonza District are expected to experience higher temperature ranging between 26°C and 28°C. Parts of Ngororero, Rutsiro, Rubavu, Nyabihu, Musanze 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 for the month of December 2022.

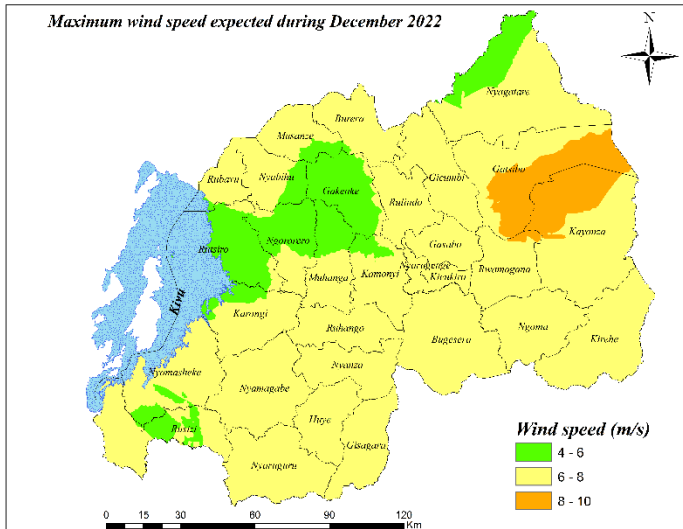
For more spatial details of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.



Rainfall forecast for the month of December 2022



Maximum wind speed expected during December 2022



Maximum temperature expected during December 2022

