



Weather Forecast for the month of January 2023

1. Rainfall forecast

During the month of January 2023, the amount of rainfall ranging between 0 and 200 mm is expected across the country. The expected rainfall for the month of January 2023 will be within the range of Long-Term Mean (LTM) over many parts of the country except in southern parts of Nyamasheke District and eastern parts of Rusizi District where slightly above normal rainfall is expected. All three dekads of January are expected to record rainfall in the range of LTM. (Long-Term Mean rainfall for the month of January ranges between 10 and 200mm).

The spatial distribution map below shows that higher amount of rainfall expected to range between 150 and 200 mm over eastern parts of Rusizi and southern parts of Nyamasheke District towards Nyungwe National Park while rainfall ranging between 100 and 150mm is expected in Karongi, Nyamagabe, Nyaruguru, Rubavu, remaining parts of Nyamasheke, Rusizi western parts of Huye, Nyanza, Ruhango, Nyabihu and Musanze Districts. A reduced amount of rainfall less than 50 mm is expected in Kigali City, Rwamagana, Ngoma, Kayonza and Bugesera Districts, some parts of Nyagatare and Gatsibo Districts, extended parts of Kirehe and localized parts of Gisagara, Kamonyi, Nyagatare, Gakenke, Nyabihu and Musanze Districts. The rest of the parts of the country are expected to record rainfall ranging between 50 and 100 during the month of January 2023. The spatial distribution map shows that rainfall will decrease from Western to Eastern parts of the country due to the retreating of Inter Tropical Convergence Zone (ITCZ) to the southern hemisphere.

2. Wind Speed forecast

The wind speed for the month of January 2023 indicated by the map below shows that moderate to slightly strong wind ranging between 4m/s and 8m/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) except a localised parts of northern Nyagatare and Nyamasheke Districts where moderate wind ranging between 4 and 6 m/s (green colour) is expected.

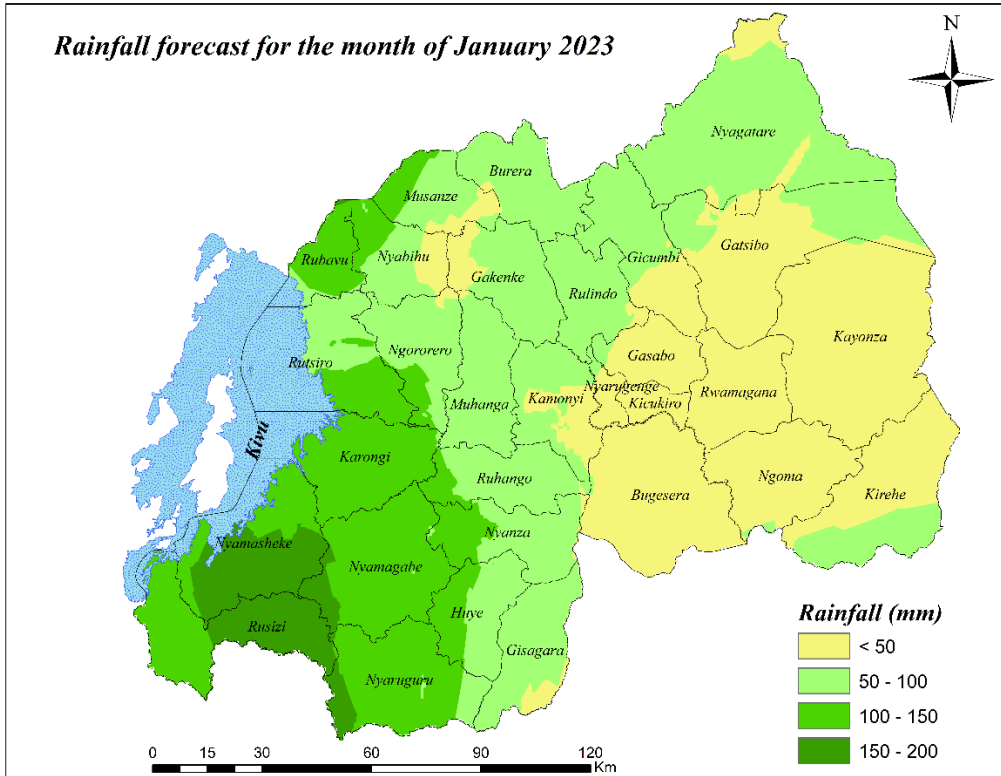
3. Temperature forecast

During the month of January 2023, the maximum temperature is expected to range between 20°C and 30°C. Parts of Kigali City, Amayaga region, Bugarama plain, Bugesera, parts of Ngoma, Kirehe, Rwamagana, localized parts of Nyagatare and Kayonza Districts are expected to experience higher temperature ranging between 28°C and 30°C. Parts of Ngororero, Rubavu, Nyabihu, Musanze, Burera and Nyamagabe Districts are expected to receive lower temperature ranging between 20°C and 22°C. The expected temperature will be in the range of Long Term Mean maximum temperature for the month of January 2023.

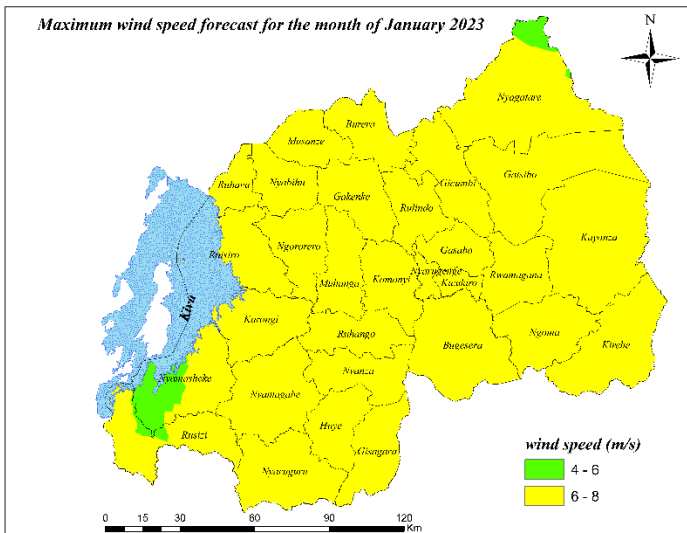
For more spatial details of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below.



Rainfall forecast for the month of January 2023



Maximum wind speed forecast for the month of January 2023



Maximum Temperature forecast for the month of January 2023

