



## Weather forecast valid between 21<sup>st</sup> and 31<sup>st</sup> October 2024

### 1. Summary

During the third (3<sup>rd</sup>) dekad of October 2024, many parts of the country will continue to experience enhanced rain while few parts are predicted to record decreased rains like the previous second dekad of October 2024. The predicted rainfall will range between 0 and 150 mm across the country. The predicted rainfall is above the range of Long Term Mean (LTM) in many parts of Western, Northern and Southwestern while the Eastern, Kigali and localized areas of Southern Province will be in the range of LTM. Rainy days are expected to range between 4 and 8 days according to different microclimates of the country. The predicted air temperature is within the range of LTM. Daily maximum temperature is expected between 20°C and 30°C, while night minimum temperature is expected to range between 8°C and 18°C. Wind speed is expected to decrease compared to the previous dekads and is expected to vary between 4 and 8 m/s in many parts of the country.

### 2. Rainfall forecast

The highest amount of rainfall predicted in the next dekad of October will range between 120 and 150 mm, and it is expected in many parts of Ngororero and Nyamasheke, in Northern parts of Rubavu, Nyabihu, Musanze and Burera Districts, western parts of Karongi and Nyamagabe and eastern parts of Rutsiro and Rusizi Districts. Rainfall amount ranging between 90 and 120 mm is expected in the remaining parts of western province (except southern parts of Rusizi and eastern parts of Karongi) and the rest of Northern province (except in parts of Rulindo and Gicumbi). It is also expected in the remaining parts of Nyamagabe, many parts of Nyaruguru and northern parts of Muhanga District. Localized areas of Nyagatare, Gatsibo, Kayonza, Kirehe, Ngoma, Bugesera and Ruhango Districts are expected to record less rainfall during the dekad ranging between 0 and 30 mm. Rainy days are expected to range between 4 and 8 days varying from eastern to western parts of the country and evenly distributed throughout the dekad.

### 3. Forecast of wind speed

Moderate to slightly strong wind speed ranging between 4 and 8 m/s is expected across the country. Slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) is expected in many parts of the country except in Kigali City, many parts of Kirehe, Ngoma, Bugesera and localized parts of Gicumbi, Rulindo, Kamonyi, Gakenke, Musanze, Nyabihu, Ngororero, Nyamasheke and Gisagara where moderate wind speed ranging between 4 and 6 m/s (green colour) is expected.

### 4. Temperature forecast

- **Maximum temperature:** During the third dekad of October 2024, many parts of Eastern Province, Kigali City, Amayaga and southern parts of Rusizi District are expected to record the highest maximum temperature ranging between 28°C and 30°C. Eastern parts of Rubavu, many parts of Nyabihu, and northern parts of Musanze and Burera Districts are expected to experience lower maximum temperatures ranging between 20°C and 22°C.
- **Minimum temperature:** The lowest (coldest) minimum temperature ranging between 8°C and 10°C is expected in western parts of Nyabihu, Musanze, Nyaruguru and Nyamagabe and eastern parts of



Rusizi and Rubavu Districts. Parts of Kigali City, Bugesera, Kayonza, few parts of Kirehe and Gatsibo Districts are expected to experience highest minimum temperature ranging between 16°C and 18°C.

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

