



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

**Weather Forecast valid from 21<sup>st</sup> to 31<sup>st</sup> October 2022**

- 1. Rainfall forecast:** During the third (3<sup>rd</sup>) dekad of October 2022, rainfall ranging between 0 and 80 mm is expected across the country. Cumulative rainfall ranging between 60 and 80 mm is the highest expected during the dekad over parts of Nyamasheke, Rubavu, Nyabihu, Musanze and Burera Districts. Cumulative rainfall ranging between 0 and 20 mm is the lowest amount expected during the forecasting period and is expected in eastern parts of Southern Province, many parts of Bugesera, Ngoma, Kirehe, and localized parts of eastern Kayonza, Nyagatare and Gatsibo Districts.

Scattered rainfall will continue to prevail in many parts of Kigali City, Eastern and Southern Provinces. The expected rainfall amount will be below the range of Long-Term Mean (LTM) in many parts of the Kigali, Southern Province and Eastern Province while the range of LTM is expected in Northern and Western parts of the country (The range of LTM varies between 10 and 70 mm). Rainy days are expected to vary between two (2) and six (6). The probable rainy days are 21<sup>st</sup>, 22<sup>nd</sup> and from 25<sup>th</sup> up to the end of the month in Northern and Western Provinces but parts of Kigali, Southern Province and Eastern Province, probable dates are 21<sup>st</sup> and from 27 up to the end of the month. The predicted rains will result from the influence of mesoscale systems moderated by local features.

- 2. Forecast of winds speed:** Moderate to strong wind speed ranging between 4 and 10 m/s is expected across the country. Strong wind speed ranging between 8 and 10 m/s (Orange colour) is expected in localized parts of Rubavu, Nyabihu, Rutsiro and Karongi Districts. Moderate to slightly strong wind speed ranging between 4 and 8 m/s (green and yellow colour) is expected over the remaining parts of the country.
- 3. Temperature forecast:** During the third dekad of October 2022, the average maximum temperature is expected to range between 20°C and 30°C. Many Parts of Kigali City, eastern and southern parts of Eastern Province, Eastern parts of Southern Province and Southern parts of Rusizi District are expected to experience higher maximum temperature during the dekad ranging between 28°C and 30°C. Northern parts of Nyabihu, Rubavu, Musanze and Burera Districts are expected to experience lower maximum temperature during the dekad ranging between 20°C and 22°C. The expected average maximum temperature is in the range of LTM across the country.

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

**Impacts:** Some parts of Southern and Eastern Provinces have experienced deficit of rainfall in previous dekads and less rainfall is still expected in these parts during third dekad and water stress is possible. Farmers and communities in these parts of the country are advised to apply agricultural practices of rain water harvesting for further use and other technics that allow water to be retained in the soil as well as irrigation where it is possible. Impact related to strong winds such as blowing off of roof tops, falling of leaves and small branches, damage caused by lightning and hailstorm are also likely to occur; mitigation and prevention measures should be put in place.

