



Kigali, 30th September 2024

Weather forecast valid between 1st and 10th October 2024

1. **Summary:** During the first (1st) dekad of October 2024, rainfall is predicted to increase compared to previous dekads of September, and it will range between 20 and 140 mm across the country, which is above the range of Long Term Mean (LTM) of the first dekad of October. The predicted rainfall will increase compared to rainfall recorded in previous dekads of September and will mark the start of rains in some areas where it delayed. Rainy days are expected to range between 4 and 8 days according to areas, and are expected throughout the dekad except on 4th and 5th. Day maximum temperature is expected to range between 20°C and 30°C which is within the range of LTM, while night minimum temperature is expected to range between 8°C and 18°C which is also in the range of LTM. An increased wind speed is also expected in many parts of the country with strong winds expected in Karongi, Rutsiro, Nyamasheke and in Eastern parts of the country.
2. **Rainfall forecast:** The highest amount of rainfall predicted in the next ten days will range between 120 and 140 mm, and it is expected in north eastern parts of Rusizi, many parts of Nyamasheke and Rutsiro as well as in localized areas of Rubavu, Nyabihu and Musanze Districts. The rest of western province (except southern parts of Rusizi), many parts of Musanze and Burera, Northern parts of Gicumbi and western parts of Gakenke, Nyamagabe and Nyaruguru are expected to record amount of rains ranging between 100 and 120 mm. Localized areas of Ngoma and Bugesera are expected to record less rainfall of the dekad ranging between 20 and 40 mm. Rainy days are expected to range between 4 and 8 days varying from eastern to western and are expected throughout the dekad except on 4th and 5th October 2024.
3. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 and 12 m/s is expected across the country which is increased wind speed compared to previous dekads. Strong wind speed ranging between 10 and 12 m/s (red colour) is expected in many parts of Karongi, Rutsiro and localized areas of Nyamasheke. Strong wind speed ranging between 8 and 10 m/s (amber colour) is expected in many parts of Nyagatare, Gatsibo, Kayonza, Kirehe and in few areas of Ruhango, Nyanza, Muhanga, Nyaruguru, Nyamagabe, Rusizi, Nyamasheke, Ngororero and remaining parts of Rutsiro and Karongi Districts. The remaining parts of the country are expected to experience slightly strong wind speed ranging between 6 and 8 m/s (yellow colour) with exception of Kigali City which is expected to experience moderate wind speed ranging between 4 and 6 m/s (green colour).
4. **Temperature forecast**
 - **Maximum temperature:** During the first 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 which is decreased maximum temperature compared to previous dekad. Eastern parts of Rubavu, many parts of Nyabihu, 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 and Nyamagabe Districts and in north eastern parts of Rubavu and Rusizi Districts. Many parts of Kigali City, eastern parts of Kamonyi and Ruhango, and western parts of Bugesera Districts are expected to experience high minimum temperature ranging between 16°C and 18°C.

5. **Weather Advisories:** Impact related to strong winds are expected mainly in Easter parts of the country. Impact associated also with rainfall accumulation are expected in high slop areas. The expected strong winds and accumulated rainfall may lead to structural damage in localised areas; thus, contingency measures should be put in place to minimize negative impacts.

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

