



Kigali, 20th September 2023

Weather forecast valid between 21st and 30th September 2023

1. **Rainfall forecast:** During the third (3rd) dekad of September 2023, rainfall ranging between 20 and 120 mm is expected across the country. The expected rainfall amount will be above the range of Long-Term Mean (LTM) in most parts of the country (The range of LTM varies between 0 and 70 mm). The rainy days are expected to vary depending on the location from two (2) to six days (6) days with increased more in northwestern parts of the country. The likelihood of rainy days will be on 21st, 22nd, 23rd, 26th, 27th and 28th varying according to region. The predicted rainfall will be associated with thunderstorms which will result from the position of Inter-Tropical Convergence Zone (ITCZ) migrating southward towards the region where Rwanda is located and coupled systems of the local factors.

Spatial distribution of rainfall: Rainfall ranging between 100 and 120 mm is expected over most parts of Rubavu, northern parts of Rutsiro, Burera, Musanze, western parts of Nyabihu, a small part of northwestern Ngororero and central parts of Nyamasheke Districts. Rainfall ranging between 80 and 100 mm is expected in most parts of Karongi, Rusizi, Rutsiro, Ngororero, Gakenke and Rulindo Districts, in remaining parts of Nyamasheke, Nyabihu, and western parts of Nyamagabe, a small part of western Nyaruguru Districts. Rainfall ranging between 60 and 80 mm is expected over most parts of Gicumbi, Muhanga, Ruhango, Kamonyi and Nyamagabe Districts, north western parts of Gasabo and Nyarugenge in Kigali City, western parts of Nyaruguru, Huye, Nyanza and Nyagatare, south western parts of Rusizi, north eastern parts of Gakenke, south eastern parts of Musanze and Bugesera, and southern parts of Burera, Kirehe and Ngoma Districts. Rainfall ranging between 40 and 60 mm is expected in most parts of Eastern Province, Gisagara and Kicukiro Districts and the remaining parts of Huye, Nyanza, Nyaruguru, Gasabo and Nyarugenge Districts. Rainfall ranging between 20 and 40 mm is expected in the eastern parts of Kirehe, northern parts of Gatsibo and southeastern parts of Kayonza and Nyagatare Districts.

Expected Impacts: Impacts associated with light to moderate rains and accumulated rain are expected during the dekad. Likely impacts of flooding on road surfaces, in localized agricultural areas, flood prone areas during rainstorms, soil erosion and landslides in the areas of high slopes, therefore mitigation measures should be put in place by relevant institutions.

2. **Forecast of wind speed:** Moderate to strong wind speed ranging between 4 m/s and 10 m/s is expected across the country. strong wind speed between 8 and 10 m/s (**umber colour**) is expected over most parts of Karongi, eastern parts of Nyamasheke, western parts of Nyamagabe, southern parts of Rutsiro and a small isolated part of Rusizi and Rubavu Districts. The most parts of the country is expected to experience slight strong wind speed ranging between 6 and 8 m/s (**Yellow colour**), except in most parts of western Kigali city, northern, southern and western parts of Bugesera, Amayaga region, small isolated part of eastern Rwamagana, western Ngoma and southern parts of Musanze Districts where moderate wind speed ranging between 4 m/s and 6 m/s (**green colour**) is expected.
3. **Temperature forecast:** During the third (3rd) dekad of September 2023, the average maximum temperature is expected to range between 20°C and 32°C which is slight above the mean maximum



temperature of the 3rd dekad of September. Kigali city, Bugesera District, western parts of Ngoma, Eastern parts of Kamonyi Districts, Amayaga Region, and Bugarama plain are expected to experience higher maximum temperature ranging between 30°C and 32°C. Lower mean maximum temperatures ranging between 20°C and 22°C are expected over a small part of eastern Rubavu, western and northern parts of Nyabihu and Musanze Districts.

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



