



Weather Forecast for 11th to 20th September 2021

1. Executive summary

Partly cloudy with sunny intervals weather conditions are expected from 11th to 15th September 2021 while light to moderate rainfall is expected from 16th to the end of the forecasting period. Cumulative rainfall will vary between 0 and 50mm and more than 40mm is expected in northern parts of the country, which marks the onset of seasonal rainfall for September to December 2021. The increase of mean maximum temperature to above climatological mean is expected and will range between 20°C and 32°C depending on the location. The highest mean maximum temperature is expected to range between 30°C and 32°C in Bugarama plain, some parts of Kigali city and Nyagatare district. Moderate wind ranging between 4m/s and 8m/s is expected in many parts of the country but strong winds ranging between 8m/s and 12m/s is expected in Karongi and Rutsiro districts and some parts of Nyamasheke, Ngororero, Kirehe and Ngoma districts.

2. Forecast of rainfall

Continuous rainfall is expected during the second dekad of September 2021 which will range between 0 and 50 mm in many parts of the country. Moderate rainfall above 50 mm is expected in northern parts of Musanze and Nyabihu districts and some parts of Rubavu and Burera districts. Surrounding areas of Rubavu, Rutsiro, Ngororero, Burera and remaining parts of Musanze and Nyabihu are expected to record rainfall ranging between 30 and 50 mm. This will mark the onset of rains in mentioned parts as it was forecasted between 9th and 19th September 2021. Some parts of Kirehe and Ngoma are also expected to receive rainfall between 30 and 40mm. Less than 10mm of rainfall is expected in many parts of Southern Province, Nyarugenge and Bugesera districts. The rainfall is expected between 16th and 20th September 2021 in north western parts of the country and between 17th to 20th in remaining parts of the country. The expected rainfall will be in the range of long term mean for the second dekad of September over many parts of the country and slightly above long term average in north western parts of country and will be associated with thunderstorms. The rainfall expected will be influenced by southward migration of Intertropical Convergence Zone (ITCZ) which supports enhancement of local drivers.

3. Forecast of maximum temperature

The expected maximum temperature during first dekad of September will range between 20°C and 32°C across the country. Higher values of maximum temperature will range between 30°C and 32°C and are expected in Bugarama plain, some parts of Kigali city and Nyagatare districts. The remaining parts of Kigali and Eastern Province are expected to record maximum temperature ranging between 28°C and 30°C. The areas expected to experience lower average maximum temperature ranging between 20°C and 22°C include northern parts of Burera, Musanze and Nyabihu. The expected temperature is above the range of long term average across the country.

4. Forecast of wind Speed



During the month of September 2021 dekad 2, moderate winds ranging between 4m/s and 8m/s is expected in many parts of the country. The distribution map below indicates strong wind ranging between 8m/s and 12m/s in Karongi and Rutsiro districts and some parts of Nyamasheke and Ngororero districts. The predicted wind will be associated with rainfall mentioned above.

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

