



### Weather Forecast valid from 11<sup>th</sup> to 20<sup>th</sup> September 2022

- 1. Rainfall forecast:** During the second (2<sup>nd</sup>) dekad of September 2022, rainfall ranging between 15 and 90 mm is expected across the country. Cumulative rainfall ranging between 75 and 90 mm is the highest expected in the dekad over the northern parts of Rubavu, Nyabihu, Musanze and Burera Districts, while the remaining parts of the above mentioned Districts including northern parts of Rutsiro, Ngororero, Gakenke, Rulindo, Gicumbi and localized parts of Rusizi, Nyamasheke and Nyagatare are expected to receive rainfall ranging between 60 and 75 mm. Cumulative rainfall ranging between 15 and 30 mm is the lowest amount expected during the forecasting period and is expected over parts of Kayonza, Kirehe, Ngoma, Bugesera, Nyanza, Huye, Gisagara and western parts of Nyaruguru Districts.

The expected rainfall will be above the range of Long-Term Mean (LTM) in many parts of the country (The LTM varies between 10 and 60 mm). Rainy days are expected to vary between three (3) and five (5) days in ten days of the dekad and is expected on the following dates 12<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup>. The predicted rainfall will be associated with thunderstorms and moderate to strong wind which will result from the position of Inter-Tropical Convergence Zone (ITCZ) migrating southward towards the region where Rwanda is located and coupled with the local factors.

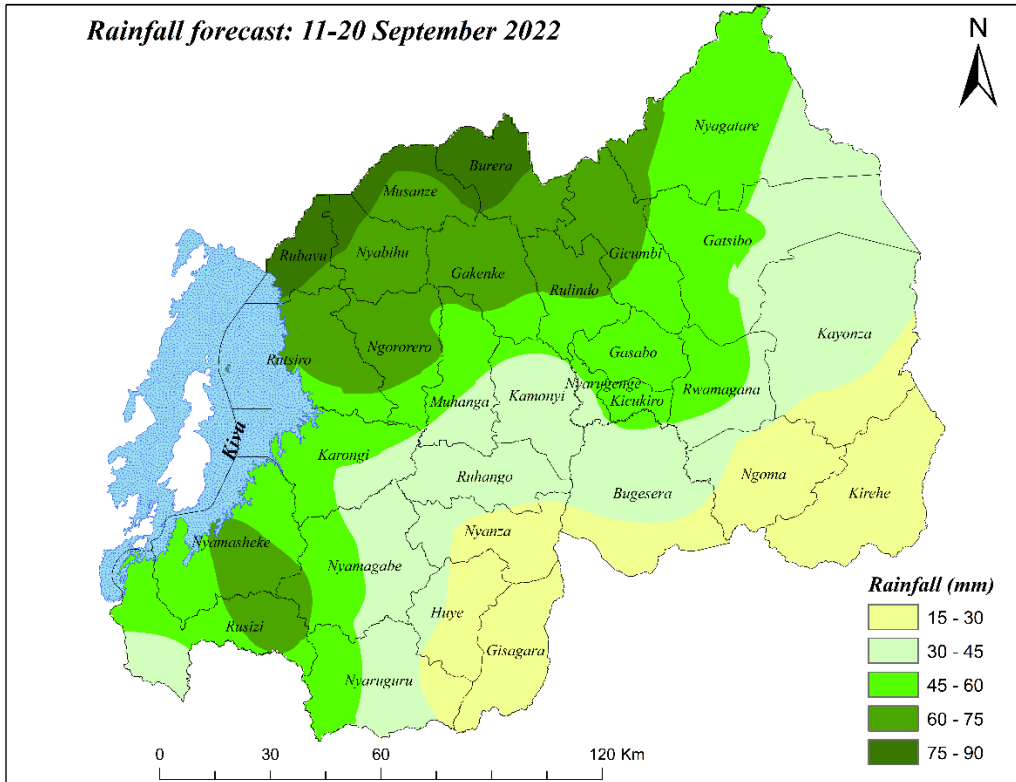
- 2. Forecast of winds speed:** Strong winds speed ranging between 8 and 10 m/s is expected over parts of Rutsiro, Karongi, Nyamasheke and Ngororero Districts while strong wind speed ranging between 6 and 8 m/s is expected in most of remaining parts of the country except in parts of Kigali, Ngoma, Bugesera, Kamonyi and Gakenke Districts where moderate wind speed ranging between 4 and 6 m/s is expected.
- 3. Temperature forecast:** during the second dekad of September 2022, the average maximum temperature is expected to range between 18°C and 32°C. Bugesera District and isolated parts of Kigali City, Amayaga region, Ngoma and Rusizi Districts are expected to experience higher maximum temperature during the dekad ranging between 29°C and 32°C while remaining parts of Kigali, Eastern Province, Amayaga region, along Lake Kivu and northern parts of Muhanga District will experience maximum temperature ranging between 27°C and 29°C. Northern parts of Nyabihu, Rubavu and Musanze along Volcano National Park and Gishwati National Forest are expected to experience lower maximum temperature during the dekad ranging between 18°C and 21°C. The expected average maximum temperature is in the range of LTM across the country.

**Expected impact:** Impacts associated with strong winds such as blowing off of roof tops, falling of leaves and small branches, and damages caused by lightning and thunders are likely. Therefore, mitigation and prevention measures should be put in place.

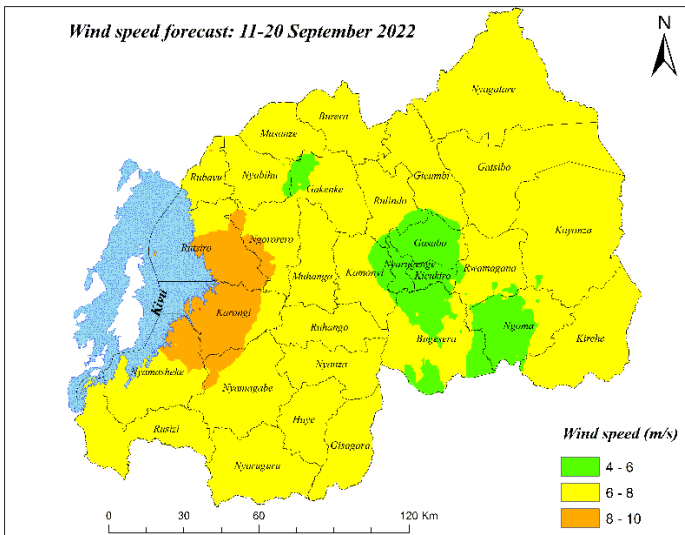
For more spatial details of rainfall distribution, maximum temperature and wind speed, please do refer to the following maps below.



Rainfall forecast: 11-20 September 2022



Wind speed forecast: 11-20 September 2022



Maximum temperature forecast: 11-20 September 2022

