



### Weather Forecast valid from 21<sup>st</sup> to 30<sup>th</sup> April 2022

- 1. Rainfall forecast:** During the third (3<sup>rd</sup>) dekad of April 2022, rainfall ranging between 50 and 150 mm is expected across the country. The amount of rainfall is expected to increase in this dekad compared to the two previous dekads. Enhanced cumulative rainfall ranging between 130 and 150 mm is the highest in the dekad and is expected over Rubavu and Rutsiro Districts, many parts of Nyamasheke, Nyabihu, Burera, Musanze, Gakenke and Rulindo districts and western parts of Gicumbi, Karongi and Ngororero districts. The remaining parts of Northern and Western Provinces including western parts of Nyagatare, Nyaruguru, Nyamagabe, northern parts of Muhanga, Kamonyi, Gasabo, Huye southern parts of Nyanza and isolated parts of Gisagara districts are also expected to receive enhanced rainfall ranging between 110 and 130mm. Cumulative rainfall ranging between 50 and 70 mm is the lowest amount expected during the forecasting period and is expected over eastern parts of Nyagatare and Kirehe districts.

The expected rainfall will be above the range of Long-Term Mean (LTM) across the country (The range of LTM varies between 30 and 100mm). Rainy days are expected to vary between six (6) and eight (8) days in ten days of the dekad. The predicted rainfall will be associated with thunderstorms and wind storms weather patterns which will result from the position of Inter-Tropical Convergence Zone (ITCZ) that is overhead the region where Rwanda is located and the influence from local factors.

- 2. Forecast of winds speed:** Strong winds ranging between 6 and 9 m/s is expected over Nyagatare, Kirehe, most parts of Gatsibo, Nyanza, Karongi, Nyamagabe, Rusizi, Gicumbi and few parts of Rulindo, Kamonyi, Muhanga, Ngororero, Rutsiro, Nyabihu, Gakenke and Rubavu districts. Moderate wind ranging between 4 and 6 m/s is expected over the remaining parts of the country.
- 3. Temperature forecast:** during the third dekad of April 2022, the temperature is expected to range between 17°C and 29°C. Isolated parts of Kigali City, Bugarama plain and Amayaga region are expected to experience higher temperature during the dekad ranging between 26°C and 29°C while remaining parts of Kigali, Eastern Province, Rusizi district and Southern Province, except western parts of Nyamagabe, Nyaruguru and northern parts of Muhanga will experience temperature ranging between 23°C and 26°C. Northern parts of Northern Province along Volcano National Park, western parts of Nyabihu and Ngororero, eastern parts of Rubavu and Rutsiro and along Nyungwe National Park in Nyamagabe and Nyaruguru districts are expected to experience lower temperature during the dekad ranging between 17°C and 20°C. In general, there is a reduction of maximum temperature across the country. The expected temperature will be slightly below the range of Long Term Mean of April dekad 3 in many parts of the country.

**Expected impact:** Impacts associated with heavy rain, thunderstorms and wind such as flooding on road surfaces, localized agricultural areas, flood-prone areas, slippery roads and poor visibility during rainstorms may lead to poor movement of vehicles, landslides in areas of high slopes, blowing off of roof tops, falling of leaves and small branches, and damages caused by lightning and thunders are likely to occur and mitigation 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.

