



## Weather Forecast valid from 1<sup>st</sup> to 10<sup>th</sup> April 2022

### 1. Rainfall forecast

During the first dekad of April 2022, rainfall ranging between 20 and 80 mm is expected across the country. Cumulative rainfall ranging between 70 and 80 mm is the highest expected in the dekad and is expected over most parts of Nyamagabe, Nyaruguru and Rubavu Districts and localized parts of Rusizi, Nyamasheke, Karongi, Rutsiro and Nyabihu districts. Cumulative rainfall ranging between 20 and 30 mm is the lowest amount expected during the (10) ten days and is expected over north and eastern parts of Nyagatare, eastern parts of Kayonza and Gatsibo Districts. The expected rainfall is slightly below the range of Long-Term Mean (LTM) over many parts of Eastern and Northern Provinces and in the range of LTM over remaining parts (The range of LTM varies between 20 and 100mm). Rainy days are expected to vary between three (3) and six (6) days reducing from western to eastern parts of the country. The expected significant rainy days in many parts of the country are 1<sup>st</sup>, 4<sup>th</sup> and from 6<sup>th</sup> towards the end of the forecasting period. The predicted rainfall will be associated with thundery and wind storms weather patterns which will result from the position of Inter-Tropical Convergence Zone (ITCZ) over the region and moderated by local features.

**Advisory:** Impacts associated with rain, thunderstorms and winds are likely to occur and mitigation measures should continue.

Spatial distribution of rainfall across the country will range between 60 and 80 mm in the Western Province, in the districts of Nyaruguru, Nyamagabe, Huye, western parts of Nyanza, Ruhango and Muhanga in Southern Province, most parts of Gakenke District, southern parts of Burera, northern parts of Rulindo and western parts of Musanze and Gicumbi Districts in Northern Province. Rainfall ranging between 40 and 60 mm is expected over Kigali City, districts of Ngoma and Rwamagana, western parts of Nyagatare, Gatsibo, Kayonza, Kirehe and Bugesera Districts in the Eastern Province and the remaining parts of Northern and Southern Provinces. Rainfall ranging between 20 and 40 mm is expected over remaining parts of Eastern Province.

### 2. Forecast of wind speed

Slightly strong winds ranging between 6 and 8 m/s is expected over Eastern Province except Rwamagana and Bugesera Districts, many parts of Western Province except eastern parts of Nyabihu, Ngororero, Rusizi, Nyamasheke, many parts of Nyaruguru and Gicumbi Districts where moderate wind ranging between 4 and 6 m/s is expected over many parts of the country.

### 3. Temperature forecast

The first dekad of April 2022, the temperature is expected to range between 18°C and 28°C. Kigali City, Bugarama plain, Amayaga region, Bugesera District, western parts of Ngoma and Rwamagana, eastern parts of Nyagatare and Gatsibo and some localized parts of Kayonza Districts are expected to experience higher temperature of the dekad ranging between 26°C and 28°C while northern parts of Northern Province, north western parts of Western Province and some parts of Nyungwe National Park are expected to experience lower temperature during the dekad ranging between 18°C and 22°C. The expected temperature will be in the range of Long Term Mean of April dekad 1.



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

