



## **Weather Forecast for the month April 2022**

### **1. Rainfall forecast**

During the month of April 2022, the amount of rainfall ranging between 100 and 300 mm is expected across the country. Higher amount of rainfall varying between 260 and 300 mm is expected in some parts of Nyungwe National Park, Karongi, Rutsiro, Ngororero and Rubavu Districts. A reduced amount of rainfall ranging between 100 and 140 mm is expected in Eastern Province except in Rwamagana District and western parts of Nyagatare and Gatsibo Districts where rainfall ranges between 140 and 180mm. The spatial distribution shows that rainfall will decrease from West to East while the temporal distribution forecast show that rainfall will increase in the third dekad of April 2022 compare to two first dekads. Expected rainfall in April 2022 will be in the range of Long Term Mean (LTM) across the country. The range of LTM for the month of April will be between 100 and 300 mm. The first dekad of April 2022 is expected to be slightly below LTM, second dekad expected be in the range of LTM while the third dekad expected be above the range of LTM. The main influencing drivers of the rainfall are neutral conditions for the Indian Ocean Dipole (IOD) and the La Nina conditions in prevailing in Pacific Ocean.

Rainfall is expected to be distributed across the country as follow: rainfall ranging between 220 and 300 mm is expected in Western parts of Musanze, Nyaruguru and Nyamagabe Districts and in most parts of Western Province except eastern parts of Nyabihu and Ngororero. Rainfall ranging between 140 and 220 mm is expected over remaining parts of Western, Northern and Southern Provinces, over Kigali City, Rwamagana Districts and western parts of Nyagatare and Gatsibo Districts. Rainfall ranging between 100 and 140 mm is expected over remaining parts of Eastern Province.

### **2. Wind Speed forecast**

The wind speed distribution indicated by the map below for the month of April 2022 shows that moderate to slightly strong winds ranging between 4m/s and 8m/s is expected across the country. Moderate wind ranging between 4 and 6 m/s is expected in localized parts of Kigali City, Gakenke, Burera, eastern parts of Nyabihu, Musanze, Ngororero, northern parts of Muhanga, Kayonza, southern parts of Nyaruguru and Rulindo Districts. Slightly strong wind ranging between 6 and 8 m/s is expected over remaining parts of the country.

### **3. Temperature forecast**

During the month of April 2022, the maximum temperature is expected to range between 17°C and 29°C. Kigali City, Amayaga region, Bugarama plain and Eastern Province except western parts of Nyagatare and Gatsibo Districts are expected to experience higher temperature ranging between 26°C and 29°C while northern parts of Northern Province, north-western parts of Western Province and parts of Nyungwe National Park are expected to receive lower temperatures ranging between 17°C and 23°C. The expected temperature will be in the range of Long Term Mean temperature for the month of April.

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

