



## Weather forecast from 1<sup>st</sup> to 10<sup>th</sup> May 2021

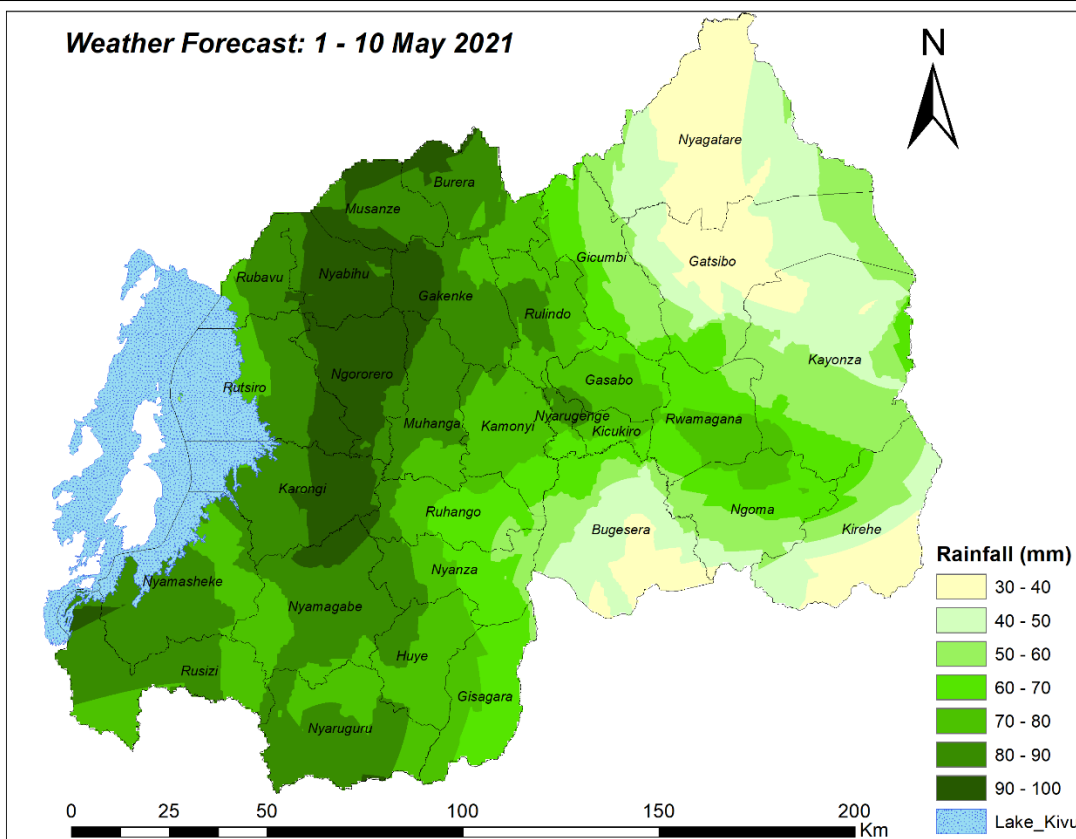
### 1. Rainfall Forecast

Rainfall expected between 1<sup>st</sup> and 10<sup>th</sup> May 2021 will range between 30 and 100 mm across the country which is in the range of Long Term Mean (LTM) in most parts of the country. Localized convective activities are expected in some parts of Northern Province and Western Province. Rainy days are expected to vary between three (3) and six (6) days across the country. The expected rainfall will result from the advection of moisture from Indian Ocean due to the location of Inter-Tropical Convergence Zone (ITCZ) over the region and will be moderated by the local factors such as topography, forest and lakes.

The distribution of the rainfall across the country is highlighted below:

- **Eastern Province:** Rainfall ranging between 30 and 50 mm is expected in most parts of Nyagatare and Gatsibo districts, northern parts of Kayonza district and southern parts of Kirehe and Bugesera districts. Rainfall ranging between 50 and 70 mm is expected in south eastern parts of Nyagatare, eastern parts of Gatsibo, southern parts of Kayonza and Ngoma and remaining parts of Kirehe and Bugesera. Rainfall ranging between 70 and 80 mm is expected in some pockets located in northern parts of Ngoma, south eastern and central parts of Rwamagana and southern parts of Kayonza district.
- **City of Kigali:** Rainfall ranging between 60 and 80 mm is expected in districts of Gasabo, Kicukiro and southern parts of Nyarugenge. Rainfall ranging between 80 and 90 mm is expected in northern parts of Nyarugenge district.
- **Southern Province:** Rainfall ranging between 60 and 80 mm is expected in Kamonyi and Gisagara districts, eastern and central parts of Ruhango, Nyanza and Huye districts, northern and eastern parts of Nyaruguru, Western parts of Nyamagabe and southern parts of Muhanga. Rainfall ranging between 80 and 90 mm is expected in remaining parts of Muhanga, Nyamagabe and Nyaruguru, western parts of Nyanza and Ruhango and north western part of Huye district. Rainfall ranging between 90 and 100 mm is expected in small parts located in northern parts of Muhanga and Nyamagabe districts.
- **Western Province:** Rainfall ranging between 70 and 90 mm is expected in districts of Rusizi, Nyamasheke, Rubavu, western parts of Karongi and Rutsiro and a small part located in western Nyabihu and south eastern parts of Ngororero. Rainfall ranging between 90 and 100 mm is expected in remaining parts of Nyabihu, Ngororero, Karongi and Rutsiro districts.
- **Northern Province:** Rainfall ranging between 50 and 70 mm is expected in Gicumbi district. Rainfall ranging between 70 and 90 mm is expected in Rulindo district, eastern and central parts of Gakenke district, most parts of Burera district and eastern and western parts of Musanze districts. Rainfall ranging between 90 and 100 mm is expected in Birunga National Park located in northern parts of Musanze, and Burera districts, southern parts of Musanze and western parts of Gakenke districts.

For more details on spatial distribution of expected rainfall, refer to the map below.



## 2. Wind forecast

During the first dekad of May 2021, moderate to strong winds ranging between 7m/s and 9m/s is expected in few parts of the country while light to moderate wind vary between 3m/s and 6m/s is expected in many parts of the country. As per the distribution map below, strong wind is expected in many parts of Western Province and some parts located in north eastern and south eastern parts of Eastern Province. Light to moderate wind is expected in remaining parts of the country.

