



## **Weather Forecast for 21<sup>st</sup> to 31<sup>st</sup> March 2022**

### **1. Rainfall forecast**

An increase of rainfall is expected in most parts of the country during the third dekad of March 2022 (21<sup>st</sup> to 31<sup>st</sup>) compared to the rainfall recorded in the second dekad. Rainfall ranging between 20 and 140 mm is expected across the country which is slightly above the range of Long-Term Mean (LTM) across the country (The range of LTM and varies between 20 and 100mm). Most parts of Rusizi, Nyamasheke and Rubavu districts, western parts of Nyaruguru, Nyamagabe and Rutsiro districts and northern parts of Nyabihu, Musanze and Burera districts are expected to receive highest amount of rainfall compared to other parts of the country (ranging between 120 and 140 mm) while depressed rainfall (ranging between 20 and 40 mm) is expected in northern parts of Nyagatare district. Rainy days are expected to vary between four (4) and eight (8) days from 21<sup>st</sup> to 23<sup>rd</sup> and from 26<sup>th</sup> towards the end of the dekad. The predicted rainfall will be associated with thundery and wind storms weather pattern which will result from northward movement of Inter-Tropical Convergence Zone (ICTZ) moderated by local features.

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

### **Rainfall distribution**

Enhanced rainfall ranging between 100 and 140 mm is expected in Western Province, Northern Province except eastern part of Gicumbi district and in the districts of Nyaruguru, Nyamagabe, Huye, western parts of Nyanza, Ruhango and Muhanga in Southern Province. Rainfall ranging between 60 and 100 mm is expected over Kigali City, over the districts of Kamonyi, Gisagara, Bugesera, Ngoma and Rwamagana, over the remaining parts of Gicumbi, Nyanza, Ruhango and Muhanga districts and over western parts of Nyagatare, Gatsibo, Kayonza and Kirehe districts. Rainfall ranging between 20 and 60 mm is expected over remaining parts of Eastern Province.

### **2. Forecast of wind speed**

As per distribution map of wind speed below, the strong winds ranging between 8 and 10 m/s is expected over some parts of Gatsibo, Gicumbi, Kayonza, Rwamagana, Bugesera, Nyanza, Gisagara, Huye, Rusizi, Nyaruguru and Nyamasheke districts. Slightly strong wind ranging between 6 and 8 m/s is expected over most of the remaining parts of the country except northern parts of Gakenke and southern part of Musanze where moderate wind speed ranging between 4m/s and 6m/s is expected.

### **3. Forecast of maximum temperature**

During the third dekad of March 2022, the temperature is expected to range between 18°C and 30°C. Eastern parts of Southern Province, Kigali City, Bugarama plain and Eastern Province except Western parts of Nyagatare and Gatsibo districts are expected to experience higher temperature ranging between 27°C and 30°C while northern parts of Northern Province, north western parts of Western Province and Nyungwe National Park are expected to experience lower temperature ranging between 18°C and 24°C. The expected temperature will be in the range of Long Term Mean of March dekad 3.



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

