



Kigali, 31st July 2023

Weather Forecast for the month of August 2023

1. Wind Speed forecast

The wind speed spatial distribution map for the month of August 2023 indicates moderate to strong wind ranging between 4m/s and 10m/s with high chance of exceeding this range in some parts of the country. Strong wind above 10m/s speed (red colour) is expected in some parts of northern Rubavu, southern parts of Rutsiro, western Karongi, northern and southern parts of Nyamasheke District. Strong wind speed ranging between 8 and 10 m/s (amber colour) is expected over many parts of Rubavu, Rutsiro, Karongi, Nyamasheke and in localized parts of western and northern Rusizi and north eastern parts of Kirehe Districts. Wind speed ranging between 6 and 8m/s (yellow colour) is expected over many parts of Eastern and Southern Provinces, and in some parts of Northern Province while wind speed ranging between 4 and 6m/s (green colour) is expected in Kigali City, Amayaga region and Bugesera, Kamonyi, Musanze, Gakenke and some parts of Nyabihu District.

2. Rainfall forecast

During the month of August 2023, the amount of rainfall ranging between 0 and 80 mm is expected across the country. The expected rainfall for the month of August 2023 will be in the range of Long-Term Mean (LTM) over many parts of the country, the expected rainfall will increase towards the end of the month. The main drivers of weather during the month of August 2023 is Sea Surface Temperature (SSTs) in both Indian and Pacific Oceans which is above normal conditions and local factors.

The spatial distribution map below shows that higher amount of rainfall ranging between 60 and 80 mm is expected over northern and western parts of Rubavu, Nyabihu, Musanze and Burera Districts. Rainfall ranging between 40 and 60 mm is expected in Nyamagabe District, remaining parts of Musanze and Burera Districts, northern parts of Nyaruguru, Gakenke, Rulindo and Gicumbi Districts, western parts of Nyanza, Ruhango, Muhanga and Nyagatare Districts and in the remaining parts of Western Province except southern parts of Rusizi District. Rainfall ranging between 20 and 40 mm is expected over the remaining parts of Southern Province, Kigali City and in most parts of Eastern Province with exception of the northern Kayonza and southern parts of Kirehe, and Bugesera Districts, which are expected to receive from 0 to 20 mm.

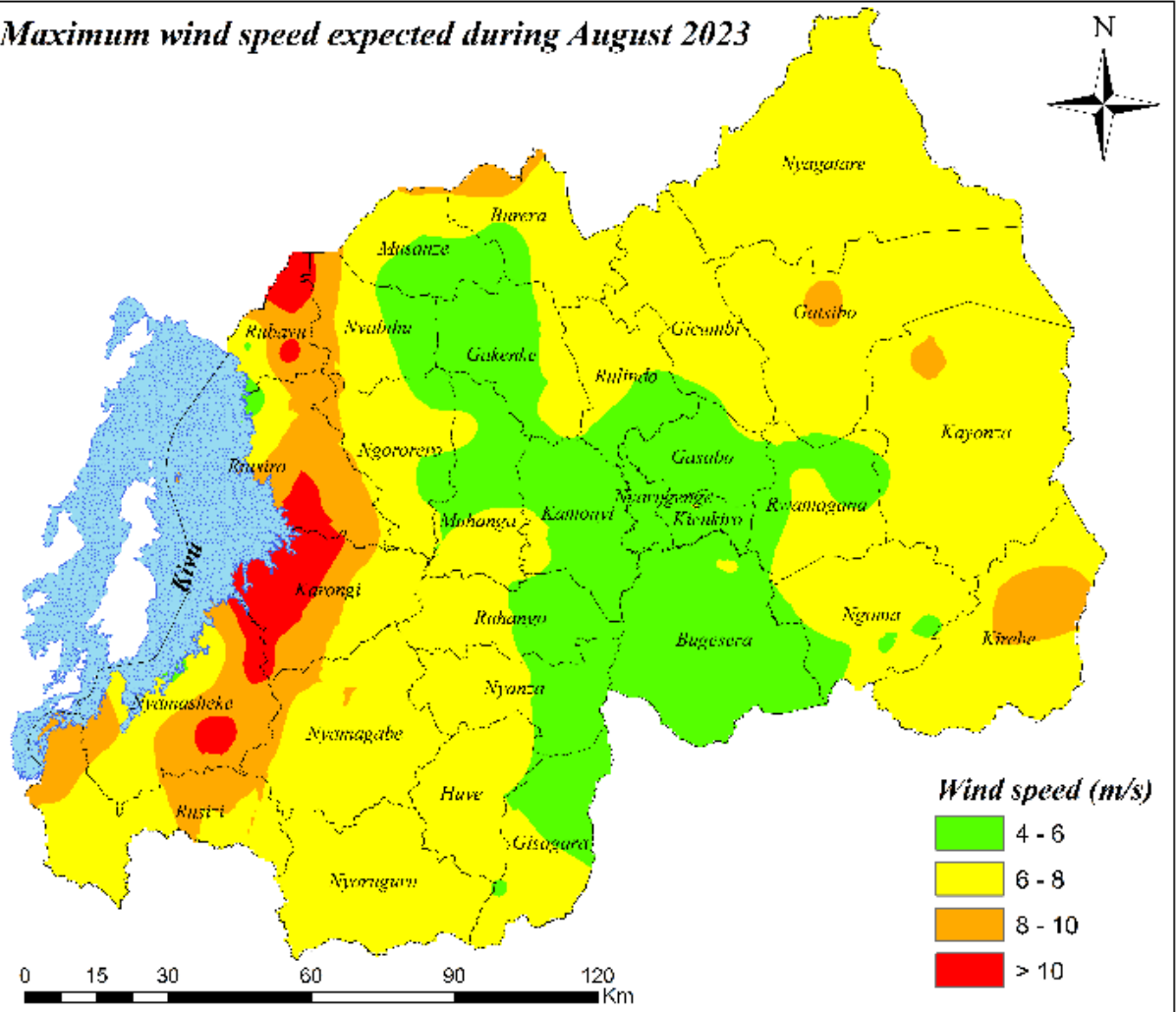
3. Temperature forecast

During the month of August 2023, the average maximum temperature is expected to range between 20°C and 30°C. Temperature ranging between 28°C and 30°C is the highest expected in the areas of Bugarama plain most parts of Kigali City, Bugesera, Amayaga region, eastern parts of Kamonyi, Nyagatare, Gatsibo and Kayonza Districts and in many parts of Ngoma Districts. Lower maximum temperature is expected to range between 20°C and 22°C over Birunga National Park and in many parts of Nyabihu and Rubavu Districts. The expected temperature will be in the range of Long-Term Mean (LTM) maximum temperature for the month of August 2023 over many parts of the country.

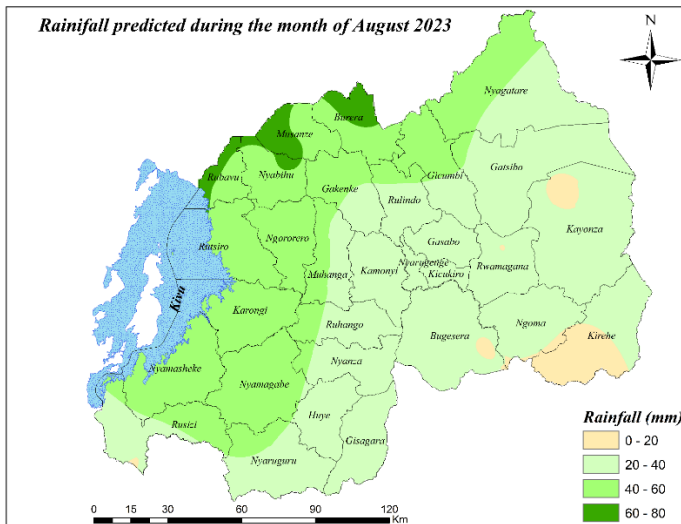
For more details on spatial distribution of rainfall, maximum temperature and wind speed distribution, please do refer to the following maps below:



Mean Maximum wind speed expected during August 2023



Rainfall predicted during the month of August 2023



Mean Maximum Temperature expected during August 2023

