



Highlights:

- **The cumulative rainfall** for dekad2_November_2017 indicates high rainfall over the eastern and central parts, the rest of the country records were within the range of Long Term Mean (LTM).
- **The soil moisture index is decreasing** because of the slight decrease of rainfall over different parts of the country.
- **The rainfall during dekad3 November _2017** is generally expected to slightly reduce over most parts of the country.

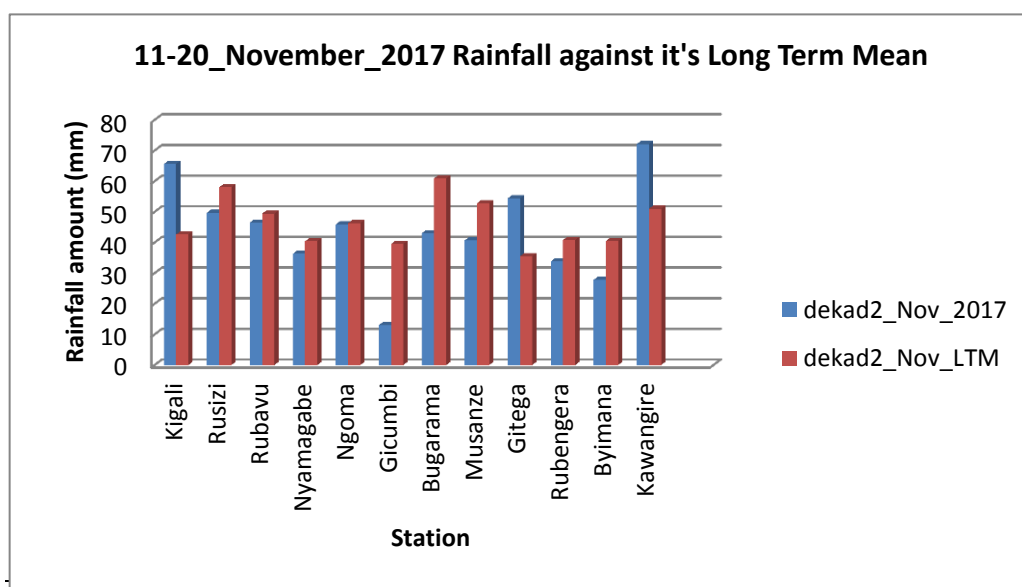
I. Introduction

The second dekad of November_2017 indicates high rainfall values over the eastern and central parts of the country while the rest of the country experienced rainfall which was within the range of Long Term Mean (LTM).

a) The table and histogram below indicates the rainfall recorded during dekad2 November_2017:

Cumulative rainfall (in mm) recorded at different stations

Station	dekad 2_Nov_2017	dekad2_Nov_LTM
Kigali	65.6	42.6
Rusizi (Kamembe)	49.7	58.0
Rubavu (Gisenyi)	46.5	49.4
Nyamagabe (Gikongoro)	36.3	40.4
Ngoma (Kibungo)	45.9	46.3
Gicumbi (Byumba)	13.0	39.5
Bugarama	43.0	60.9
Musanze (Ruhengeri)	40.7	52.8
Gitega	54.4	35.5
Rubengera	33.8	40.8
Byimana	27.8	40.5
Kawangire	72.1	51.0

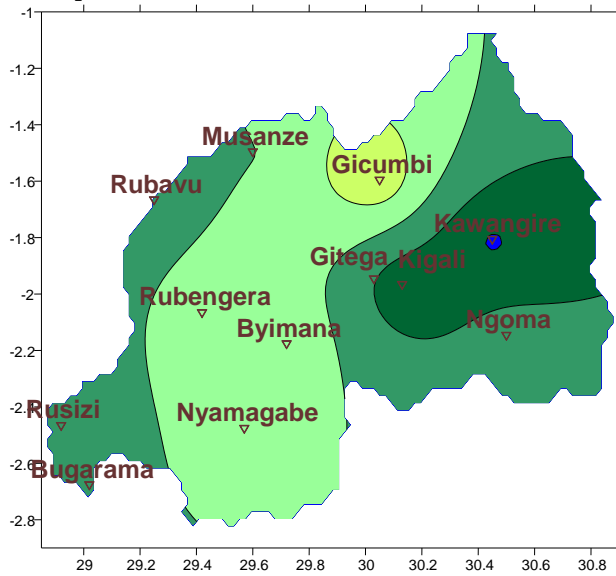


Plot1

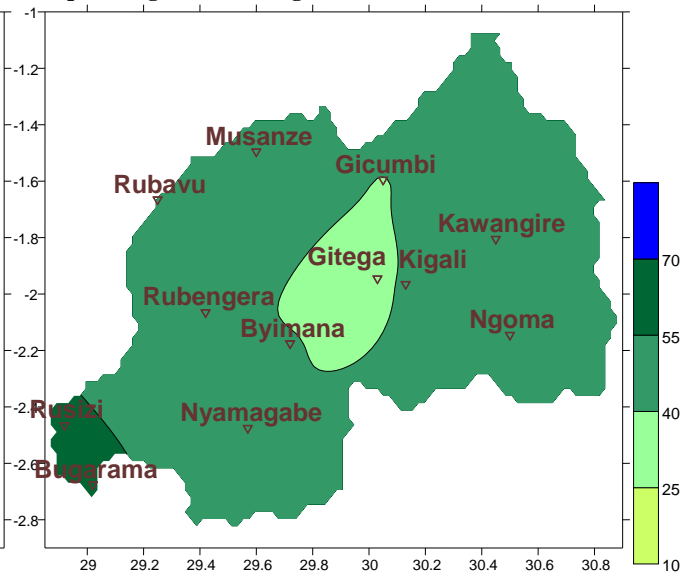
Table1

- b) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during dekad2_November_2017 and the cumulative rainfall for the same period. The maps “**map 3 and 4**” show the cumulative rainfall recorded during dekad1_November_2017 and the cumulative rainfall for the same period.

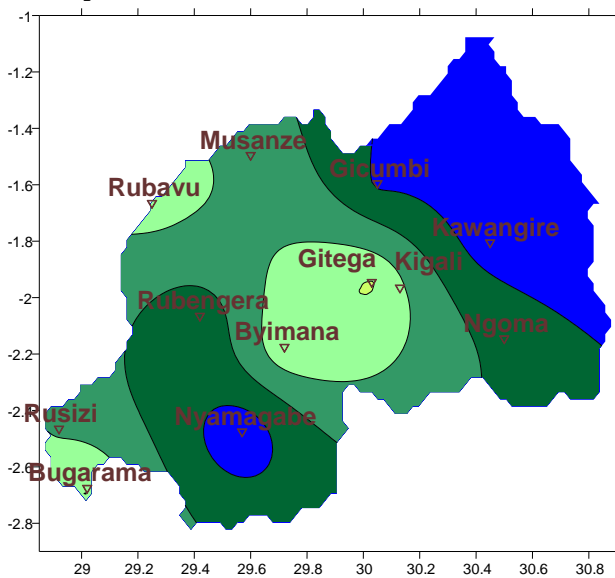
Map1: Total Rainfall (mm): dekad2_Nov_2017



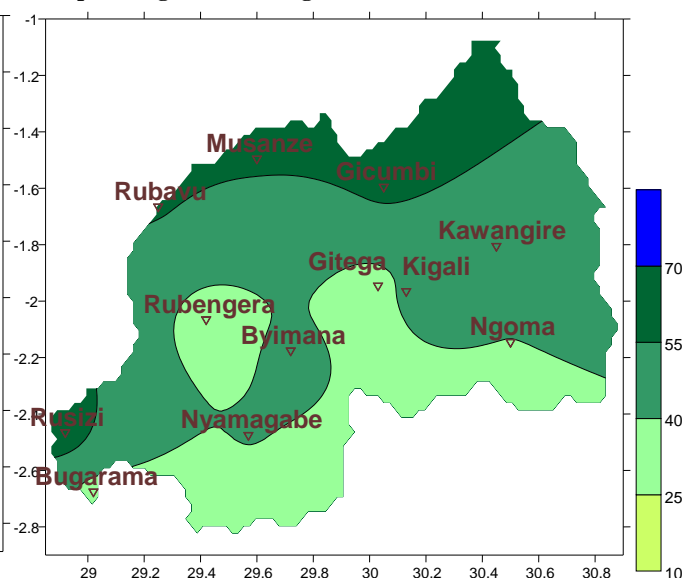
Map2: Long Term Average Rainfall (mm): dekad2_Nov_LTM



Map1: Total Rainfall (mm): dekad1_Nov_2017



Map2: Long Term Average Rainfall (mm): dekad1_Nov_LTM

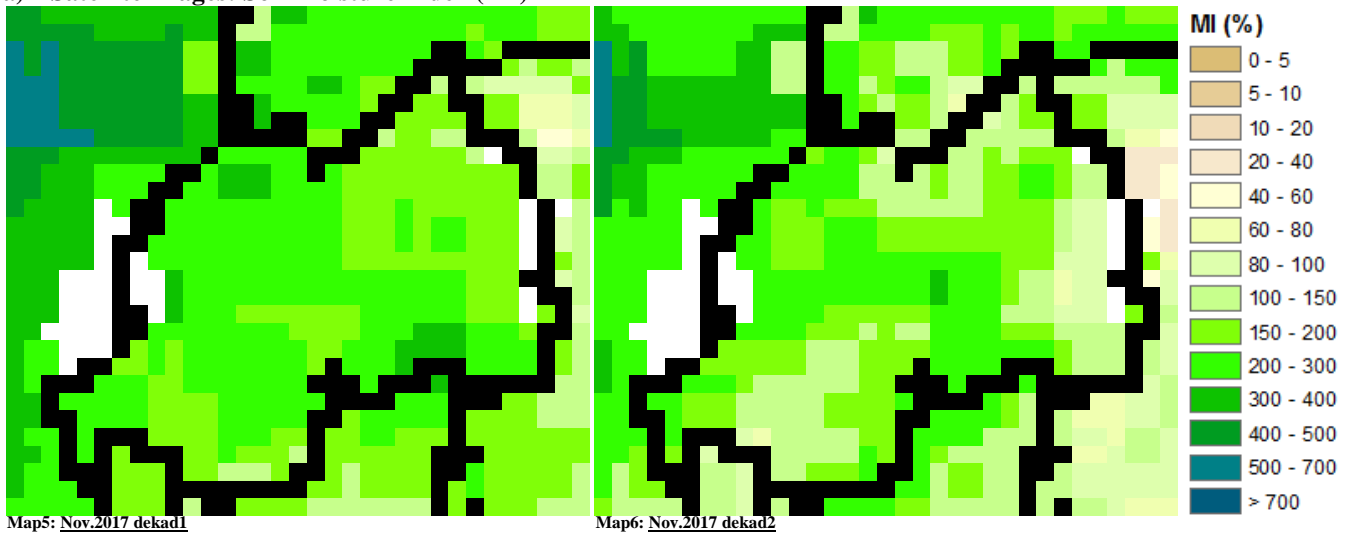


II. Detailed observed rainfall during the dekad2_November_2017

The cumulative rainfall amounts for dekad2_November_2017 indicates high rainfall over the eastern and central parts. The rest of the country experienced rainfall which was within the range of LTM with an isolated case over Gicumbi where the rains are very little (see **Map1&2** and **Table1**). The cumulative rainfall for dekad1_November_2017 also indicates high values over most stations in the Eastern Province, while the other areas recorded rainfall which was comparable to the LTM (see **Map1&2** and **Table1**).

III. Agricultural impact.

a) Satellite images: Soil Moisture Index (MI)



During dekad2 of November_2017, the satellite derived soil moisture index shows a decrease over Southern, Northern and Eastern parts of the country as opposed to the previous dekad1 of November_2017 (see **Map 5&6**).

b) Rainfall forecast for dekad3 of November_2017

During dekad3 of November_2017, the distribution of rains is generally expected to be within the range of the LTM. The southern part will experience more rains compared to the rest of the country.

N.B: This forecast should be used in conjunction with the daily (24-hour), Three (3), Five (5) and Seven (7) days forecasts issued by the Rwanda Meteorology Agency (Meteo Rwanda)