



Highlights:

- **The cumulative rainfall** for November 2017 was spatially distributed over most parts of the country with some places recording rainfall which was above the Long Term Mean (LTM);
- **Maintained favorable soil moisture content** was more observed over western and eastern parts, the rest of the country experienced a slight reduction in soil moisture.
- The rains are expected to be slightly suppressed since **December 2017 season is nearly towards the cessation period.**

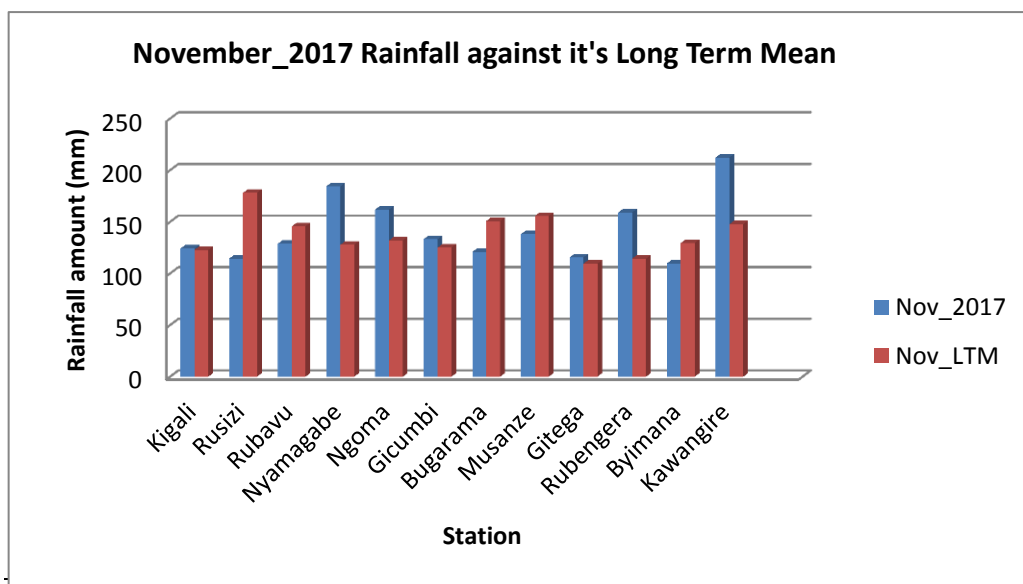
I. Introduction

The representative stations across the country during the month of November 2017 recorded rainfall which was within the range of the Long Term Mean (LTM) and above. The localized stations that recorded rainfall which was slightly above the LTM were mostly in eastern, Southern and northern provinces.

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

Cumulative rainfall (in mm) recorded at different stations

Station	Nov_2017	LTM_Nov
Kigali	124.2	122.8
Rusizi (Kamembe)	114.4	178.1
Rubavu (Gisenyi)	128.8	145.6
Nyamagabe (Gikongoro)	184.5	127.8
Ngoma (Kibungo)	161.9	132.0
Gicumbi (Byumba)	133.3	125.1
Bugarama	120.9	150.8
Musanze (Ruhengeri)	138.1	155.7
Gitega	115.6	109.5
Rubengera	159.1	114.4
Byimana	109.7	129.5
Kawangire	212.3	147.7

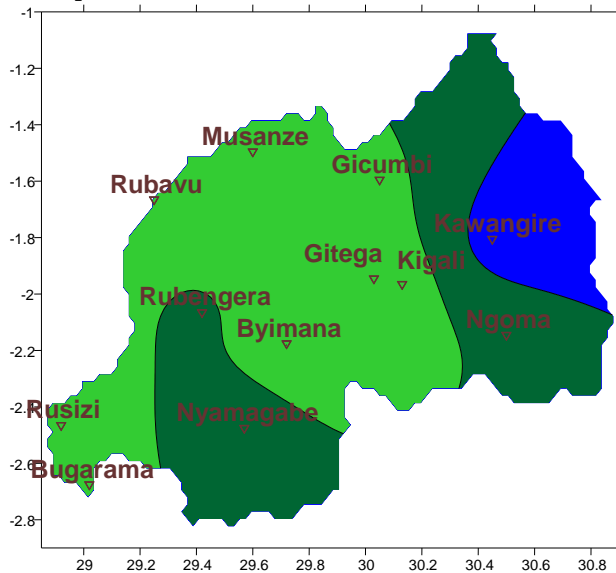


Plot1

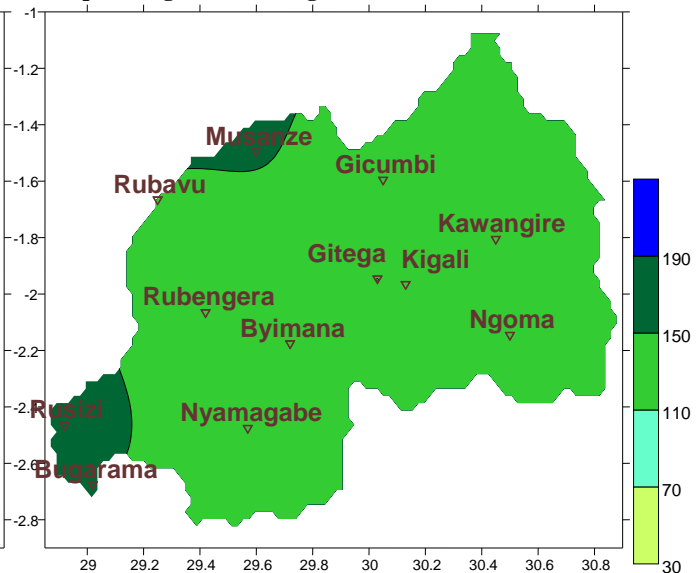
Table1

- a) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during November_2017 (Map 1) and the LTM cumulative rainfall for the same period (Map 2). The maps “**map 3 and 4**” show the cumulative rainfall recorded during October_2017 and the LTM cumulative rainfall for the same period respectively.

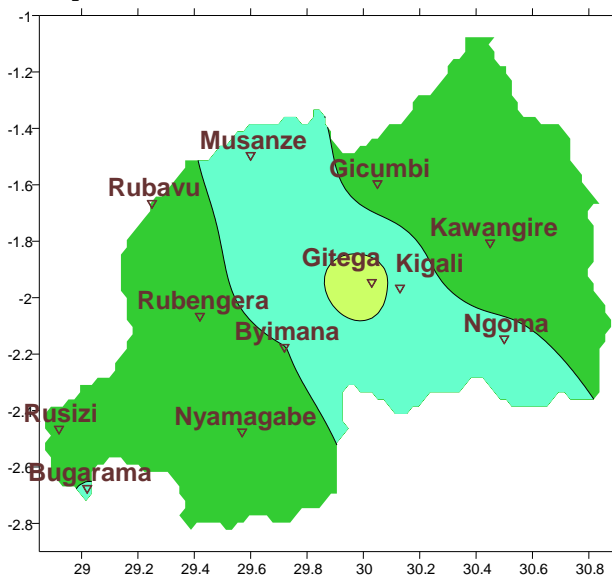
Map1: Total Rainfall (mm): Nov_2017



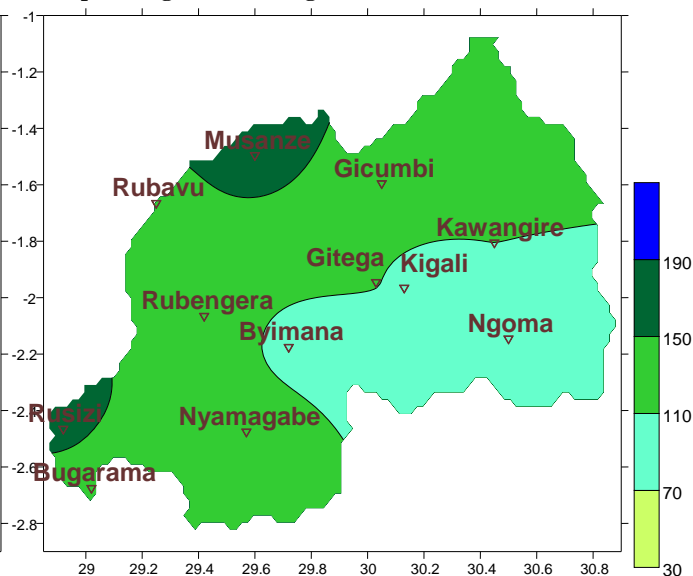
Map2: Long Term Average Rainfall (mm): Nov_LTM



Map3: Total Rainfall (mm): Oct_2017



Map4: Long Term Average Rainfall (mm): Oct_LTM



II. Detailed observed rainfall during November 2017

The November_2017 rainfall records were generally within the range of LTM to above (70-190mm) over most parts of the country. The records were higher above the cumulative LTM for the same period especially in eastern and southern parts of the country (see **Map1&2** and **Table1**). The month of October_2017 was generally suppressed especially in the central parts of the country. The cumulative LTM for the month of October was slightly enhanced in western and northern parts of the country.

a) Eastern Province

The eastern parts received rainfall that was in the range of LTM, however some localized places recorded high amount in eastern parts at Kwigangire station (212.3mm see **Table1** and **Map1&2**)

b) Northern Province

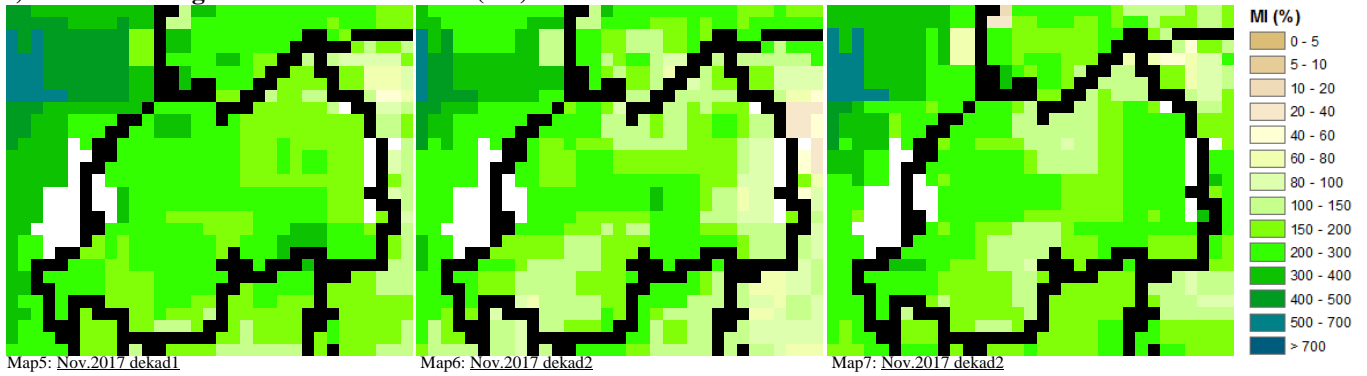
All stations received rainfall in the range of LTM except at Musanze station which recorded slightly below LTM rainfall (see **Table1** and **Map1&2**)

c) Kigali City and Southern Province & Western Province

Most of the stations received rainfall which was in the range of LTM except in Nyungwe Forest where rainfall records was slight above LTM (see **Table1** and **Map1&2**)

III. Agricultural impact.

a) Satellite images: Soil Moisture Index (MI)



The 3rd dekad of November, soil moisture was slightly higher over the western, central and eastern parts but slightly reduced over northern and southern parts of the country (see **Map5, 6&7**).

b) Rainfall forecast for December 2017

During December 2017, we expect rains to be suppressed over most parts of the country since it is nearly towards the cessation of the season.

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)