



Highlights:

- **The cumulative rainfall** for January_2019 shows a below normal over the northern region of Rwanda and an above normal elsewhere within the country.
- **The soil moisture** is alternatively less moisty and medium because of the rainfall events that are occurring alternatively with dry weather conditions.
- **The weather pattern during February_2019** is expected to behave like January_2019 with high values of rainfall amount over the southern and western parts of the country.

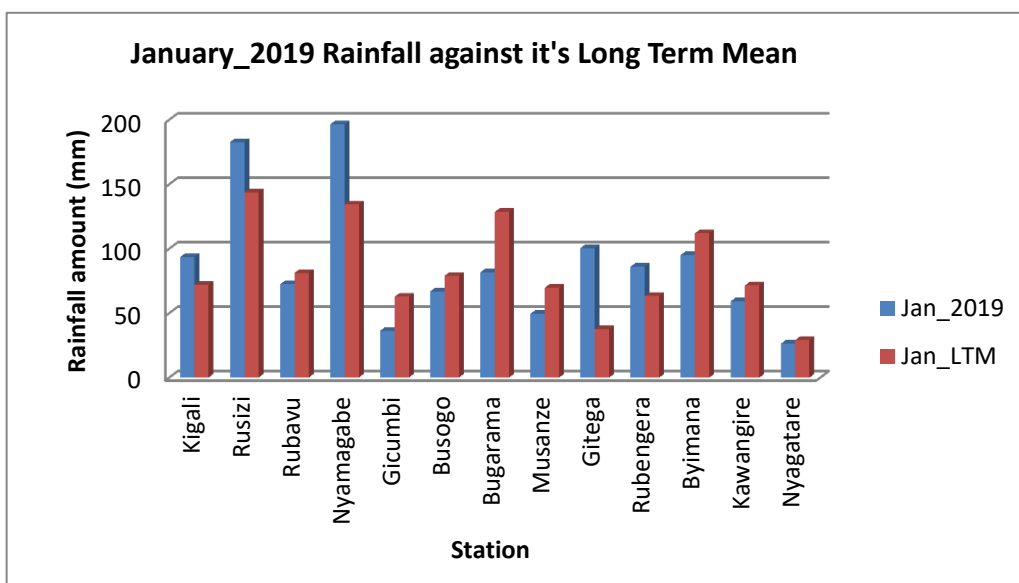
I. Introduction

For the January_2019; the cumulative rainfall amount shows a below normal over the northern region of Rwanda and an above normal elsewhere within the country especially the south-western part

a) The table and histogram below indicates the rainfall recorded during January_2019:

Cumulative rainfall (in mm) recorded at different stations

Station	Jan_2019	Jan_LTM
Kigali (Kanombe)	93.4	72.1
Rusizi (Kamembe)	182.7	143.8
Rubavu (Gisenyi)	72.4	81.2
Nyamagabe (Gikongoro)	196.4	134.3
Gicumbi (Byumba)	36.4	62.7
Busogo	66.9	79.0
Bugarama	81.7	128.5
Musanze (Ruhengeri)	49.5	69.7
Gitega	100.5	37.7
Rubengera	86.1	63.4
Byimana	95.1	112.0
Kawangire	59.2	71.6
Nyagatare	26.3	29.1

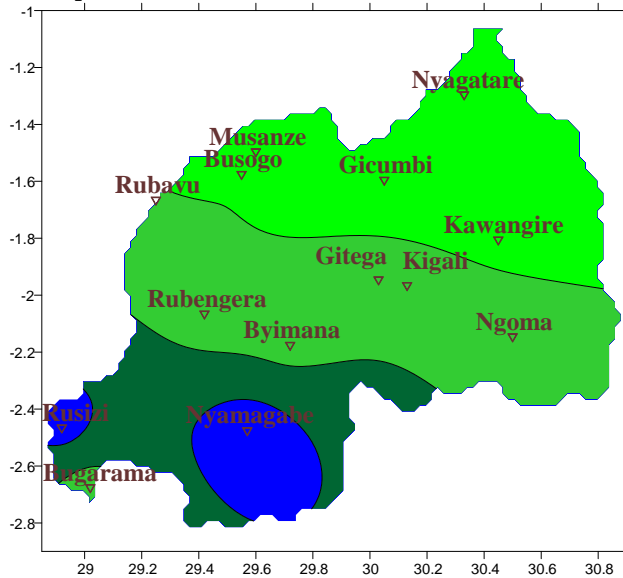


Plot1

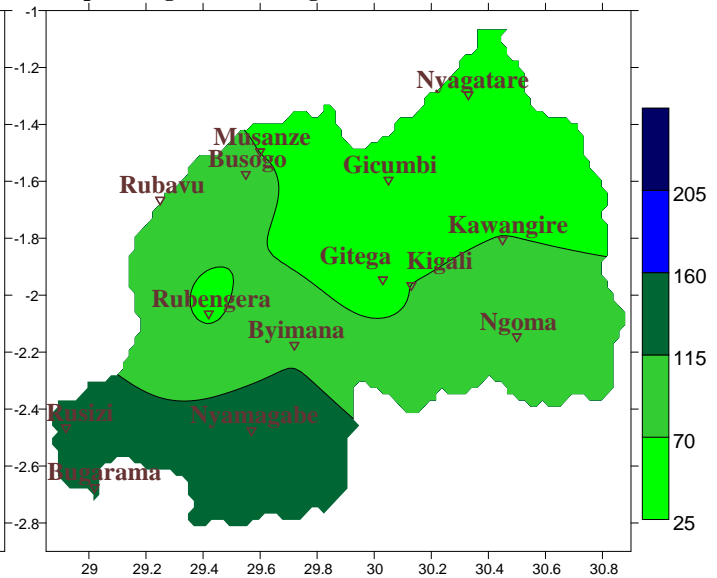
Table1

- b) **Rainfall analysis:** The maps “**Map 1 and 2**” below show the cumulative rainfall recorded during January_2019 and the cumulative rainfall for the same period
The maps “**map 3 and 4**” show the cumulative rainfall recorded during December_2018 and the cumulative rainfall for the same period

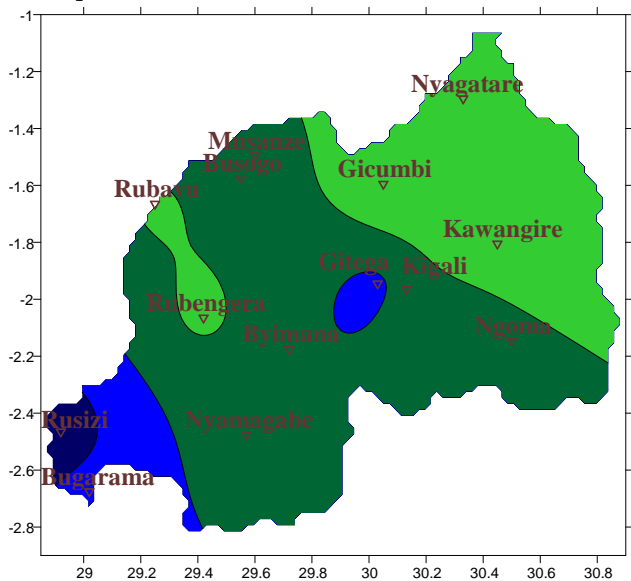
Map1: Total Rainfall (mm): Jan_2019



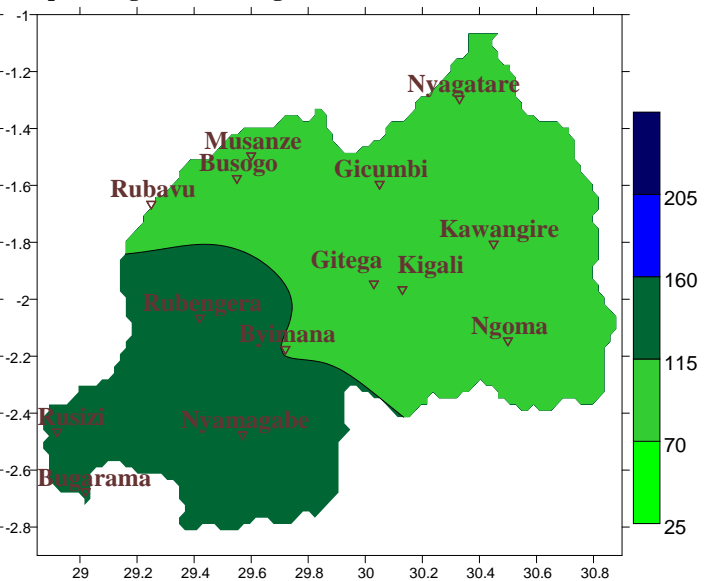
Map2: Long Term Average Rainfall (mm): Jan_LTM



Map3: Total Rainfall (mm): Dec_2018



Map4: Long Term Average Rainfall (mm): Dec_LTM

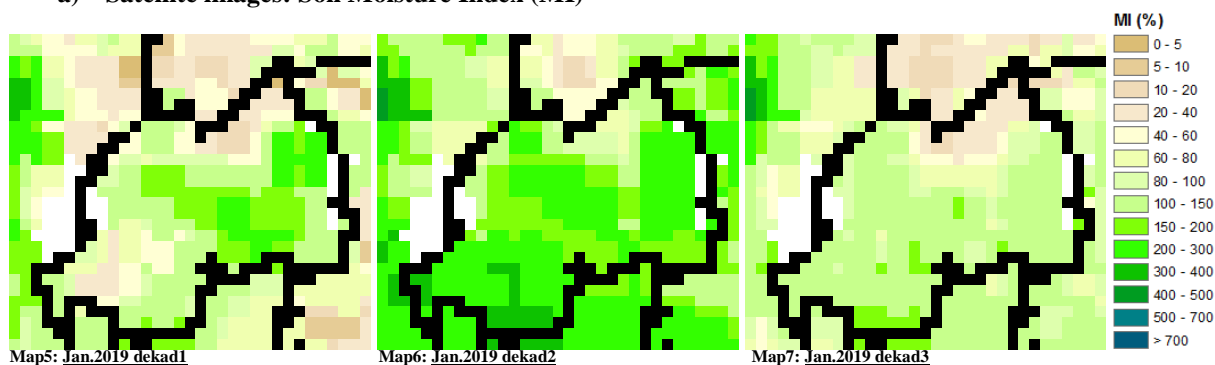


II. Detailed observed rainfall during the January_2019

The cumulative rainfall amount during January_2019 shows a below normal over the northern region of Rwanda and above normal elsewhere within the country especially the south-western part at Rusizi and Nyamagabe stations where the records show the highest amount observed with 182.7mm and 196.4mm respectively (see **Map1&2** and **Table1**). For the cumulative rainfall amount during December 2018 was observed to be of the same weather pattern as the LTM with a high increase in rainfall amount in the central parts and south-western region (see **Map3&4**)

III. Agricultural impact

a) Satellite images: Soil Moisture Index (MI)



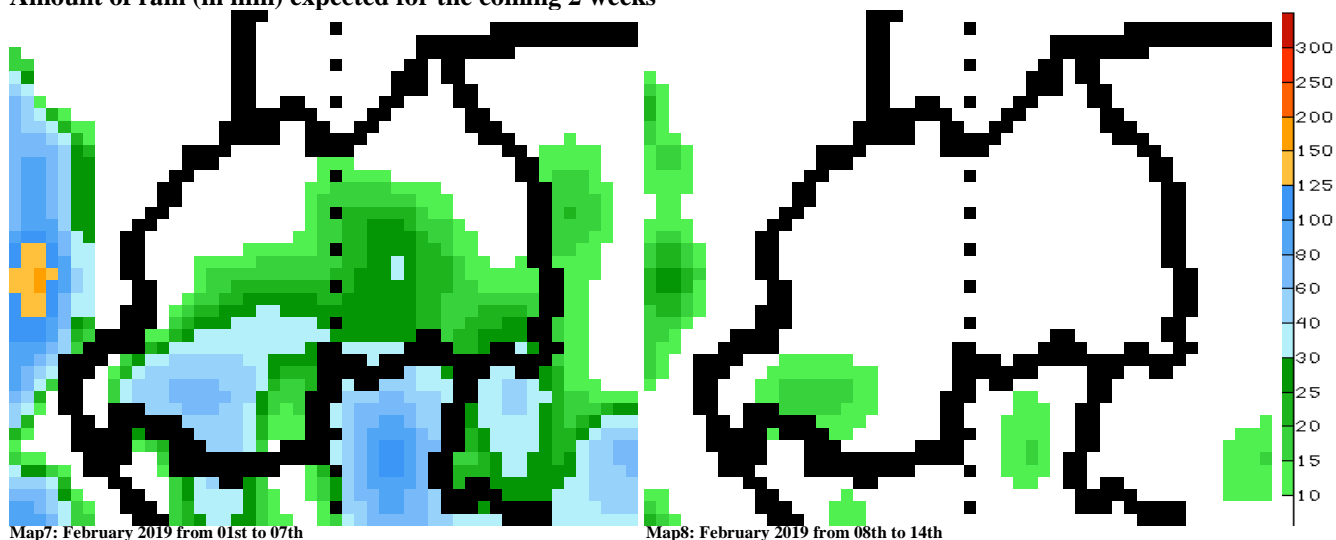
During January_2019 the soil kept on alternatively being less moisty and medium because of the rainfall events that are occurring alternatively with dry weather conditions (see Map 5, 6&7; indicating the first, second and third dekad respectively)

b) Rainfall forecast for February_2019

The distribution of rains during February_2019 is expected to behave like January_2019 with high values of rainfall amount over the southern part of the country:

- **Kigali City:** is expected to receive rainfall amount ranging from traces to 30mm within these coming two weeks
- **Eastern Province:** is expected to receive rainfall amount ranging from traces to 30mm within these coming two weeks
- **Southern Province:** is expected to receive rainfall amount ranging from traces to 60mm within these coming two weeks
- **Western Province:** is expected to receive rainfall amount ranging from traces to 60mm within these coming two weeks
- **Northern Province:** is expected to receive rainfall amount ranging from traces to 30mm within these coming two weeks

Amount of rain (in mm) expected for the coming 2 weeks



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)