REPUBLIC OF RWANDA

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Highlights:

- **The cumulative rainfall** for dekad1_June_2018 was suppressed in most parts of the country except the central, north, northwest and north-eastern parts which recorded above Long Term Mean Rainfall
- **Satellite derived soil moisture index keeps on showing a general decrease** resulting from the shifting to dry weather conditions
- The weather conditions during dekad2_June_2018 are expected to **be dry** for the whole country.

I. Introduction

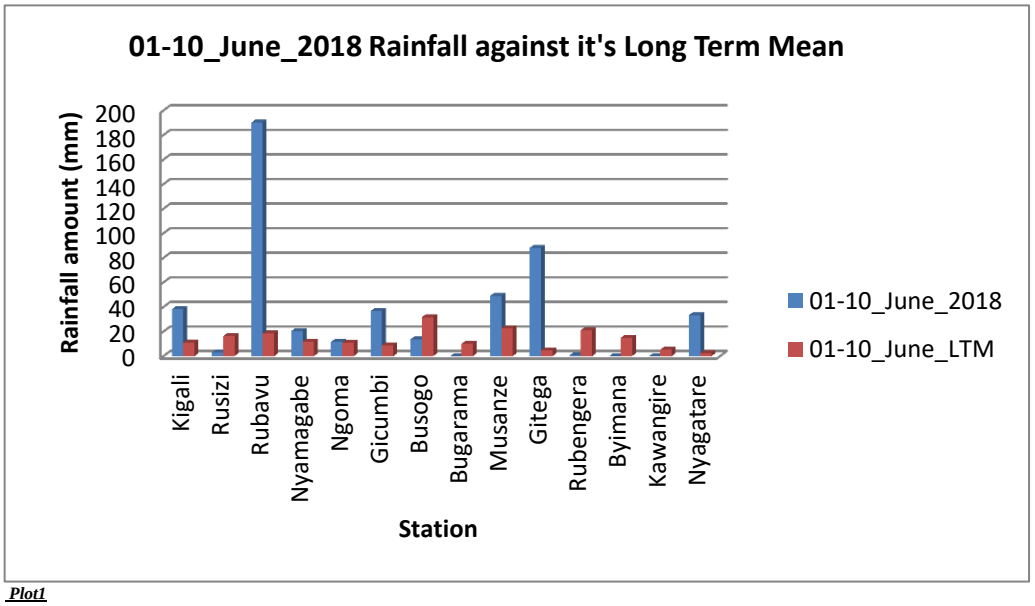
The rainfall pattern for dekad1-June_2018 was generally suppressed across many parts except for localized stations in the north-east, northern and north-west as compared to the Long Term Mean (LTM)

a) The table and histogram below indicates the rainfall recorded during dekad1_June_2018:

Cumulative rainfall (in mm) recorded at different stations

Station	01-10_June_2018	01-10_June_LTM
Kigali	38.3	11.2
Rusizi (Kamembe)	2.9	16.2
Rubavu (Gisenyi)	190.2	18.5
Nyamagabe (Gikongoro)	20.4	11.8
Ngoma (Kibungo)	11.6	11.0
Gicumbi (Byumba)	36.8	8.9
Busogo	13.7	31.7
Bugarama	0.0	10.1
Musanze (Ruhengeri)	49.0	22.9
Gitega	88.2	4.9
Rubengera	0.7	21.2
Byimana	0.0	14.9
Kawangire	0.0	5.4
Nyagatare	33.3	2.6

Table1

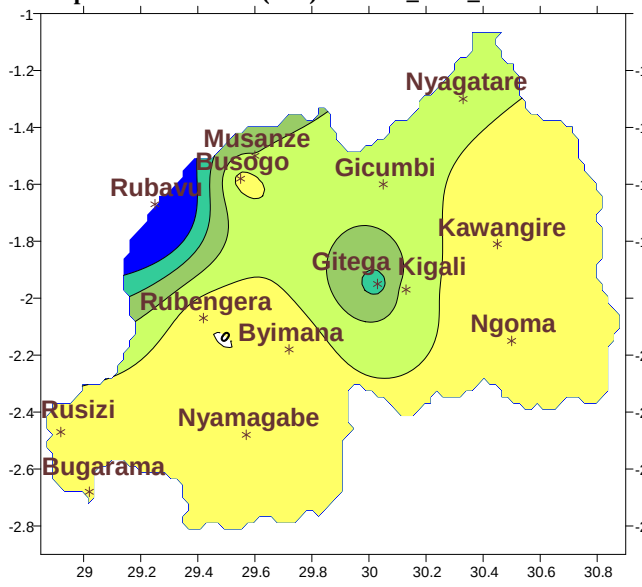


Plot1

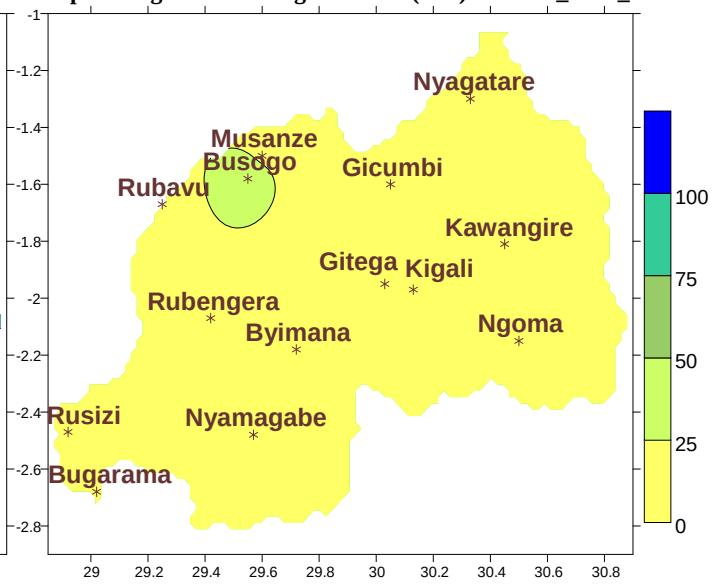
b) **Rainfall analysis:** The maps "**Map 1 and 2**" below show the cumulative rainfall recorded during dekad1_June_2018 and the cumulative rainfall for the same period

The maps "**map 3 and 4**" show the cumulative rainfall recorded during deka3_May_2018 and the cumulative rainfall for the same period

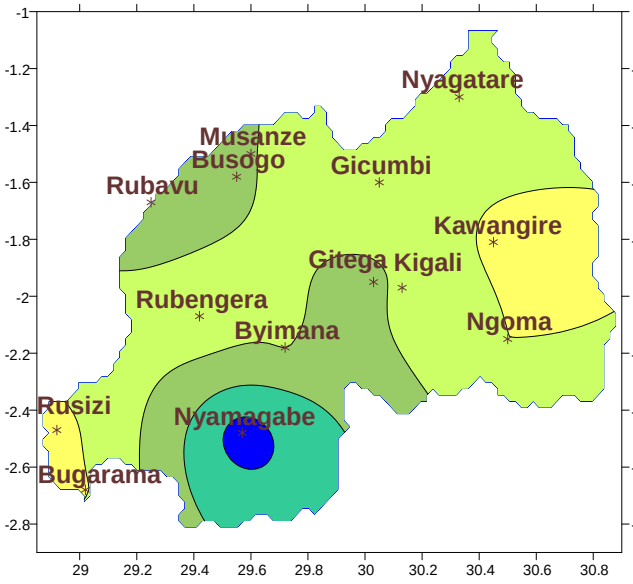
Map1: Total Rainfall (mm): dekad1_June_2018



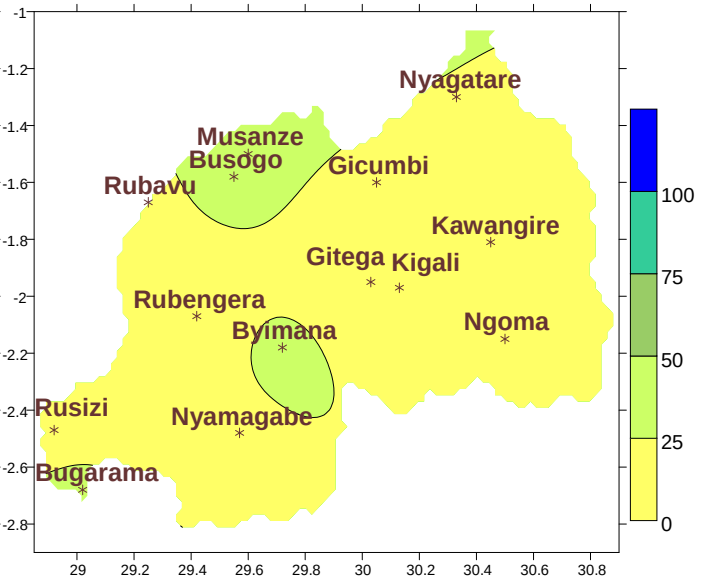
Map2: Long Term Average Rainfall (mm): dekad1_June_LTM



Map3: Total Rainfall (mm): dekad3_May_2018



Map4: Long Term Average Rainfall (mm): dekad3_May_LTM

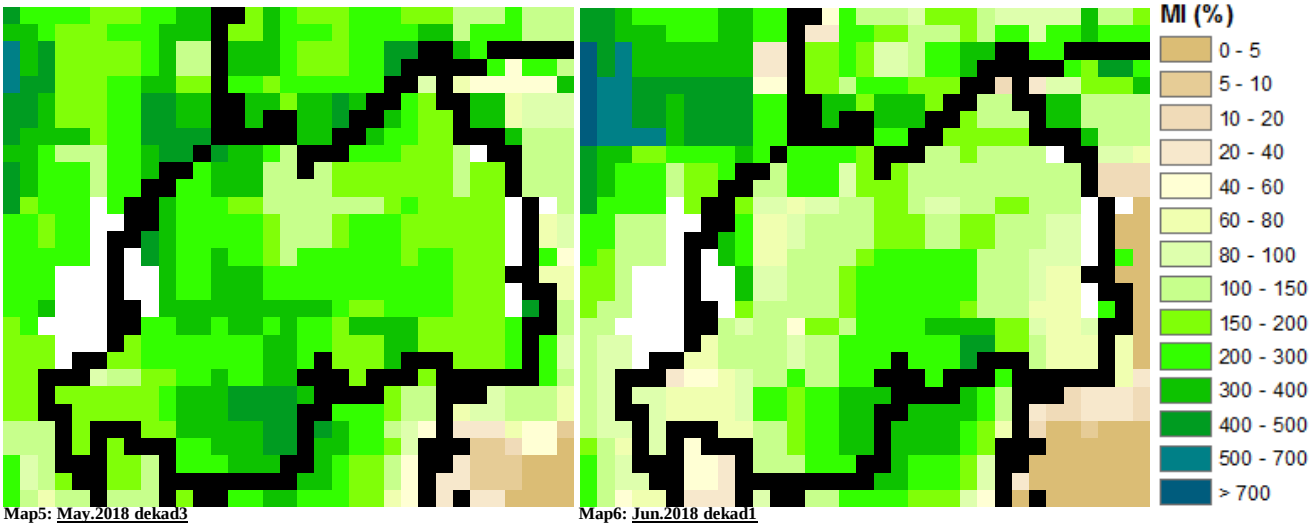


II. Detailed observed rainfall during the dekad1_June_2018

The records during dekad1-June_2018 was generally suppressed across many parts except for localized stations in the central, north-east, northern and north-west as compared to the LTM (see **Map1&2** and **Table1**) while for dekad3_May_2018 was everywhere in the above normal range (see **Map3&4**)

III. Agricultural impact.

a) Satellite images: Soil Moisture Index (MI)



Map5: May.2018 dekad3 Map6: Jun.2018 dekad1

During dekad3_May_2018 to dekad1_June_2018 the satellite derived moisture index was reduced as a result of the cessation of rainfall with high evapotranspiration on the vegetation cover (see **Map 5&6**)

b) Rainfall forecast for dekad2_June_2018

We expect dry weather conditions for the whole country

Amount of rain (in mm) expected for the coming dekad

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)