



## **RWANDA METEOROLOGY AGENCY SEASONAL FORECAST FOR JULY TO SEPTEMBER 2016**

### **1. Weather and climate outlook for July-August-September (JAS) 2016.**

July to September is a major dry season in most parts of the country. The Map below indicates the outlook for July to September 2016 for expected weather and climate conditions. Most parts of the country will have increased moisture content in the atmosphere.

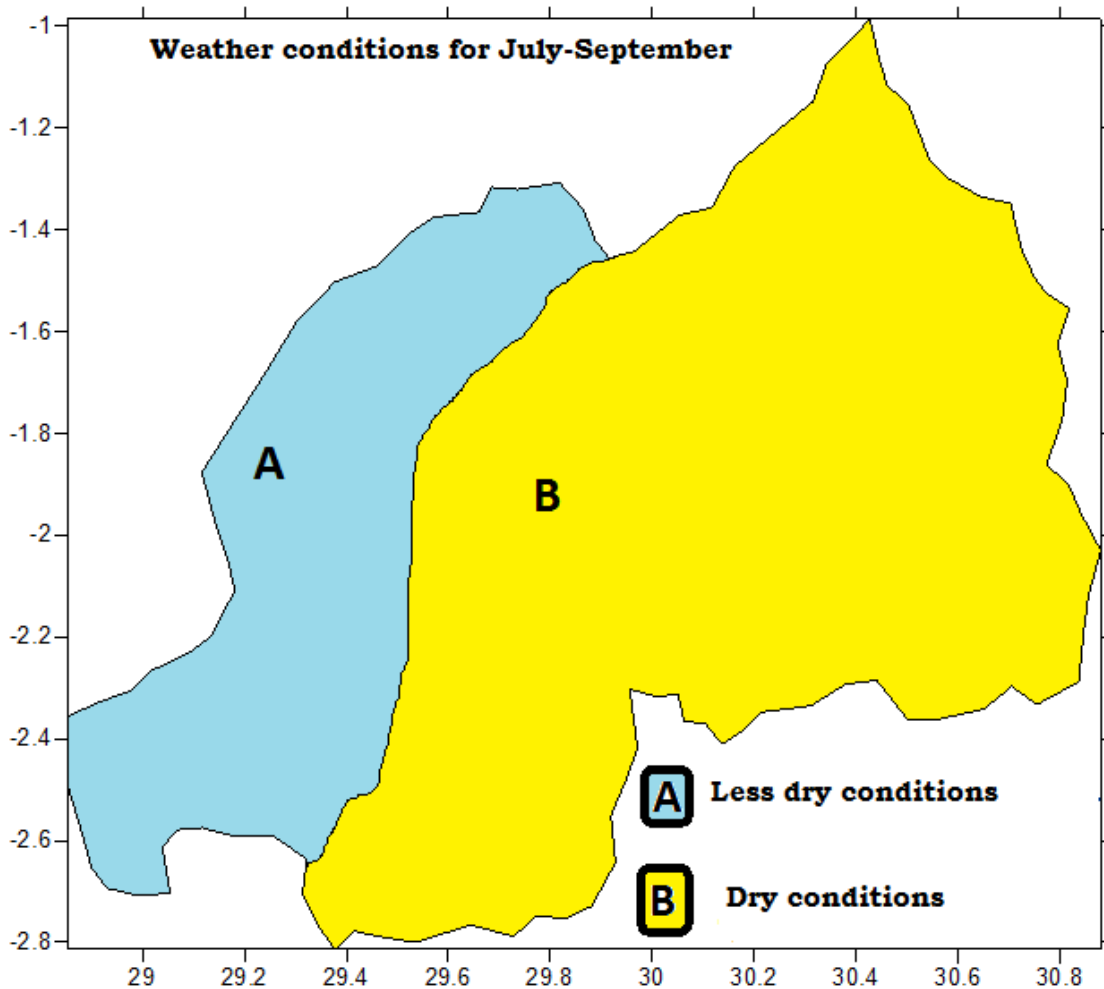
### **2. Expected drivers of predictability for July, August and September 2016 and expected evolution**

This forecast for July to September 2016 dry season is based on the prevailing and the expected evolution of Sea Surface Temperature Anomalies (SSTAs) over the Pacific, Indian and Atlantic Oceans as well as other synoptic, Mesoscale and local factors that influence the weather and climate of the country. These factors were assessed using various tools including GeoCof, CPT, dynamical, statistical models and other information from expert interpretation showing that La Nina conditions will be prevailing towards the end of September 2016 which calls for close climate monitoring.

The Indian Ocean Dipole (IOD) that has significant influence on regional climate is also predicted to be in the negative phase during the second half of 2016. Major global climate centres have indicated high chances of western and eastern Indian Ocean cooling during the second half of 2016 and There is an approximately 75% chance of at least having La Nina conditions which will pick up at the end September this year.

### **Results of downscaling for Rwanda**

- The areas in yellow is likely to experience near normal conditions with a tendency to below normal conditions and these include: Eastern Province (Ngoma, Gatsibo, Bugesera, Kirehe, Rwamagana, Kayonza and Nyagatare), Southern Province (Kamonyi, Muhanga, Gisagara, Ruhango, Huye, Nyanza, Nyaruguru and Nyamagabe) and Kigali City (Nyarugenge, Kicukiro and Gasabo) are expected to have a near normal conditions with a tendency to dry conditions during the season.
- The areas in light blue indicate generally normal conditions and these include: Western Province (Rusizi, Nyamasheke, Karongi, Rubavu, Nyabihu and Ngororero) and Northern Province (Rulindo, Musanze, Bulera, Gicumbi and Gakenke) are expected to have near normal with relatively less dry conditions during season.



**THE EXPECTED IMPACTS IN VARIOUS SECTORS**

The normal to below normal conditions are expected during the July to September season and may cause relatively dry conditions during the saeson.

N.B This outlook should be used in conjunction with 24-hours, 5-days and 10-days forecasts and regular monthly updates and advisories issued by Rwanda Meteorology Agency.