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Satellite and Weather Information for Disaster Resilience in
Africa



ClimDev-Africa



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Applications for Development

Weekly Rainfall Outlook # 074

Issued on August 13, 2019

Validity: August 13, 2019 to August 26, 2019

FORECAST MAP

Week1 rainfall [mm] period: 20190813–20190819

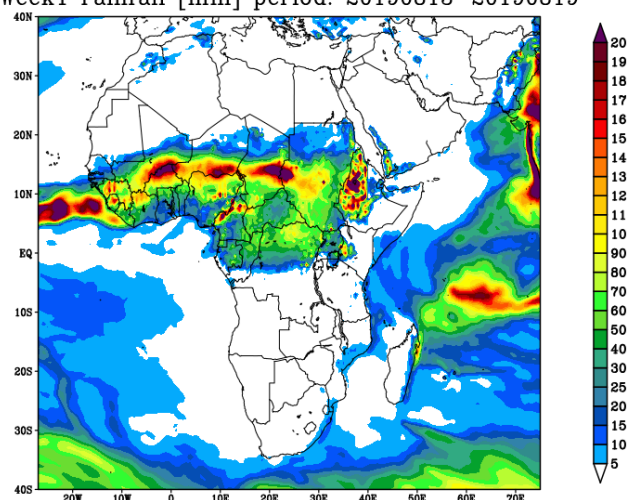


Figure 1: Total accumulated precipitation for week 1
(Source of data is GFS ensemble model)

Week2 rainfall [mm] period: 20190820–20190826

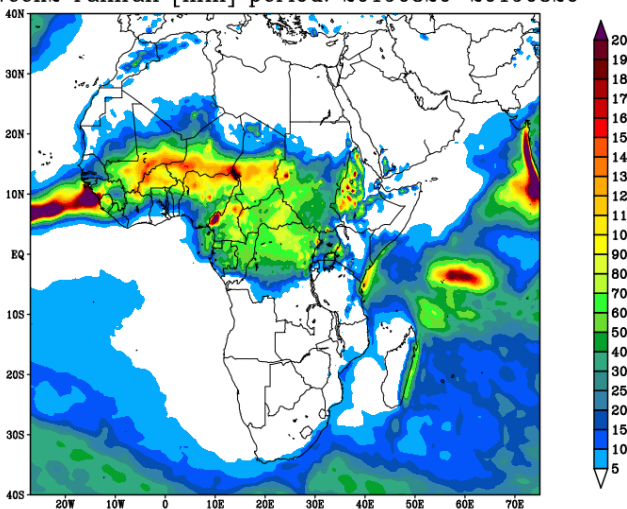


Figure 2: Total accumulated precipitation for week 2
(Source of data is GFS ensemble model)

Forecast Summary Week 1:

In the next seven (7) days, there are prospects of **heavy rainfall (i.e. 7 days accumulated rainfall of above 150mm)** over eastern Mali, northern Burkina Faso, southeastern Niger, northern Nigeria, western Cameroon, eastern Chad, western Sudan, western Ethiopia, Eritrea, Guinea Conakry, Sierra Leone, western Liberia, Seychelles and environs. **Light to moderate rainfall** is anticipated over Guinea Bissau, eastern Senegal, Gambia, Ivory Coast, Ghana, Togo, Benin, CAR, northern Congo, northern DR Congo, South Sudan, Lake Victoria, northwestern Kenya, Uganda, northern Gabon, Equatorial Guinea, Sao Tome & Principe and coast of Tanzania in the next seven (7) days.

Meteorological Situation:

Strong diverging winds at 850hPa are expected over Somalia, southern Kenya and southern Tanzania while lower level convergence is anticipated to prevail over western Ethiopia, South Sudan, Uganda, Sudan, the Gulf of Guinea, Sahel and central Africa countries. Rossby wave is expected to be over eastern Nigeria, northeastern Niger, central Ethiopia, northern Somalia and central Africa countries, rainfall intensity is expected to be enhanced over the regions. Furthermore, northern Africa is expected to be dominated by dry continental winds, hence, there are reduced chances of precipitation over Morocco, southern Algeria, southern Libya and environs.

Forecast Summary Week 2:

During the following week (i.e. week 2), there are prospects of **moderate to heavy rainfall** over southwestern Guinea Conakry, southern Guinea Bissau, eastern Mali, western Sierra Leone, southern Niger, western Chad, northern Nigeria, western Cameroon, Seychelles, western Ethiopia, western Sudan, Burkina Faso, northern Ivory Coast and environs. **Light to moderate rainfall** is anticipated over Liberia, Ghana, Togo, Benin, Equatorial Guinea, northern Gabon, northern DR Congo, Lake Victoria, Uganda, coasts Kenya, and Tanzania, eastern Mauritania, eastern Senegal, Gambia and Sao Tome & Principe during the forecast period.

Meteorological Situation:

Strong diverging winds at 850hPa over the Gulf of Guinea countries, southern Sahel, southern Tanzania, southern Kenya, southern Ethiopia and Somalia are expected to generally reduce chances of precipitation over the regions. However, the presence of Rossby wave over the Gulf of Guinea countries and part of the Sahel is expected to enhance isolated thunderstorm during the forecast period. Lower level wind convergences over central Mauritania, northern Mali, northern Niger, Sudan, South Sudan, western Ethiopia, Uganda and central Africa countries are expected to enhance precipitation over the regions.