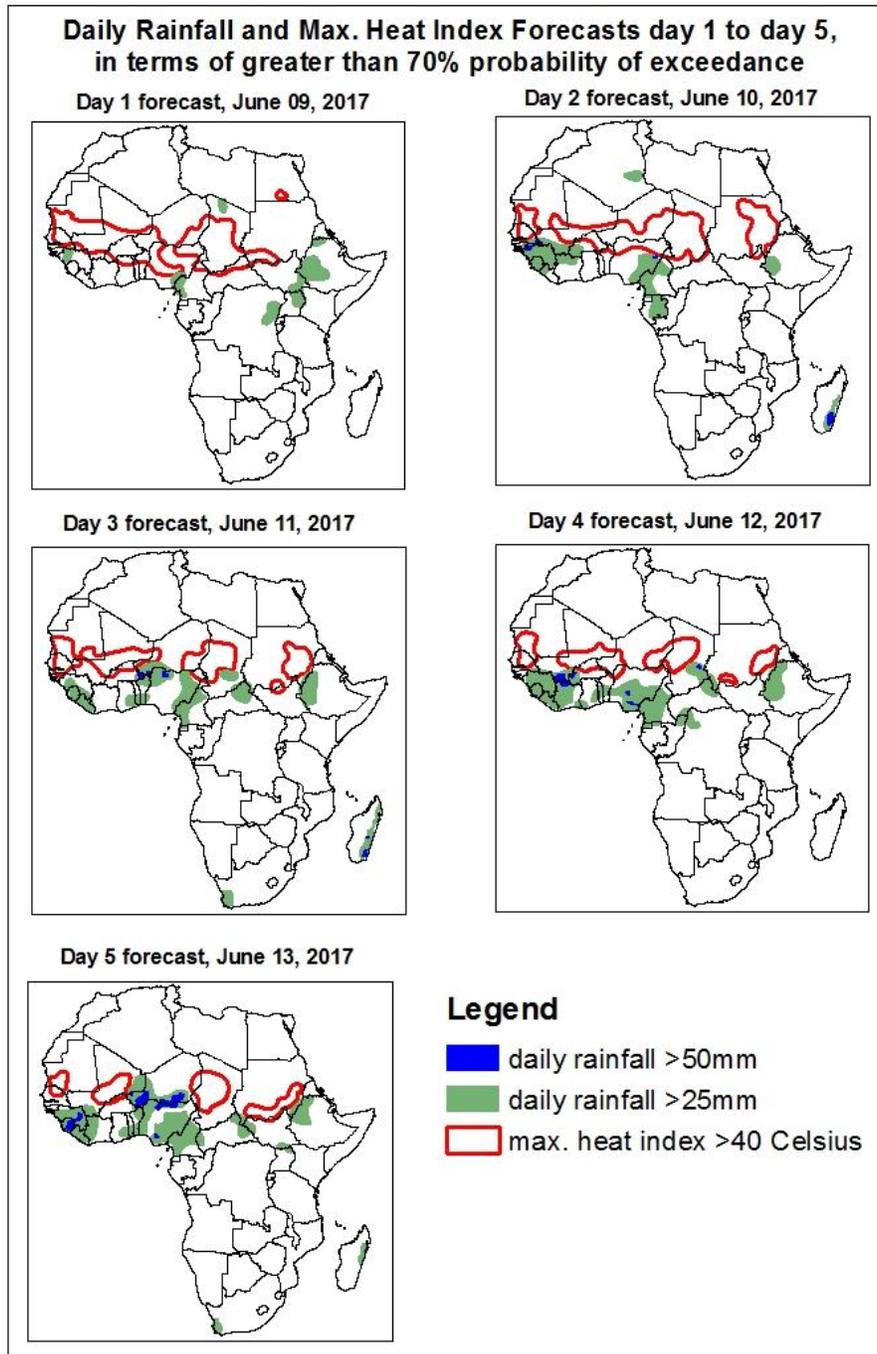


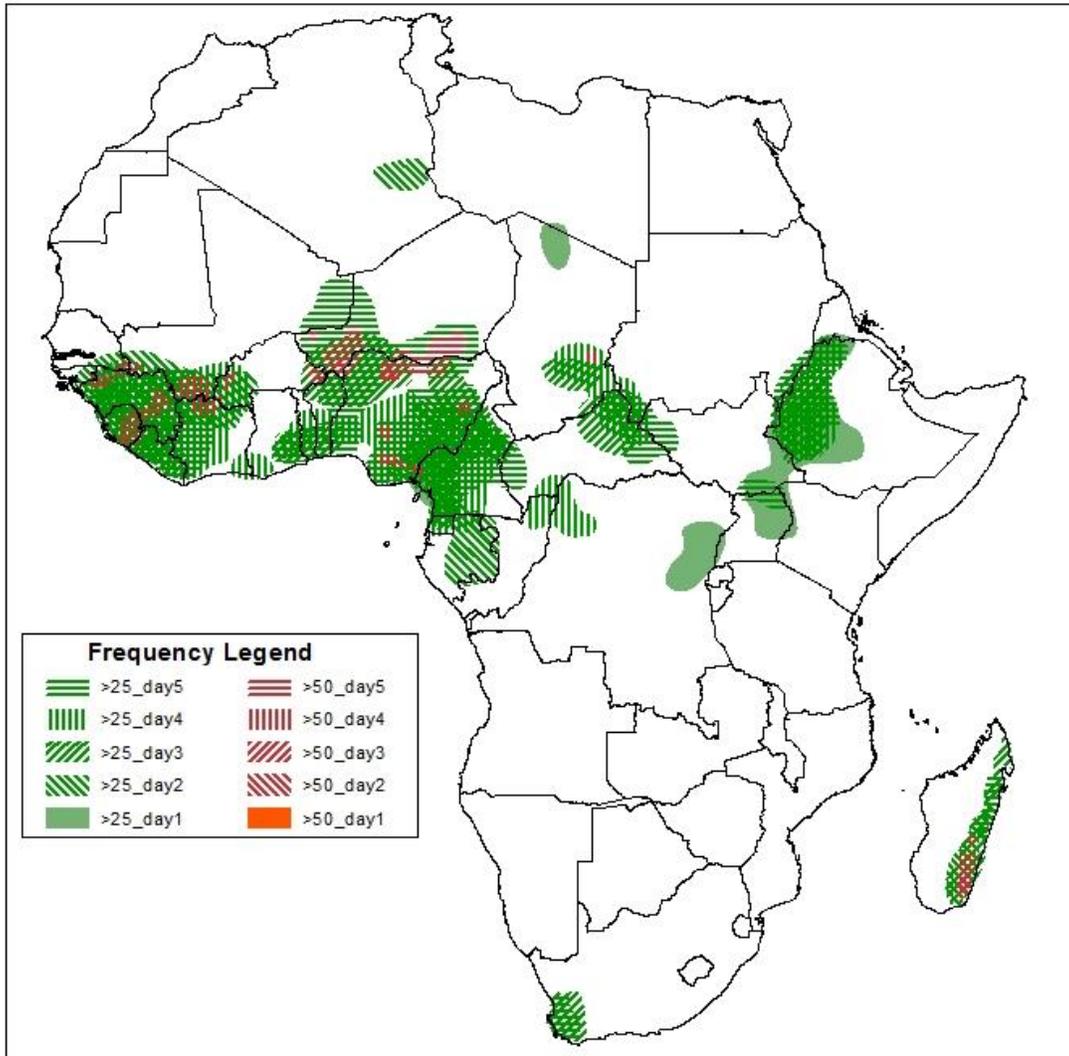
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on June 08, 2017)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: June 09 – 13, 2017)**

The forecasts are expressed in terms of high probability of precipitation (POP) and high probability of maximum heat index, based on the NCEP/GFS, ECMWF and the NCEP Global Ensemble Forecasts System (GEFS) and expert assessment.



## Five Days Rainfall Forecast Summary June 09 - 13, 2017

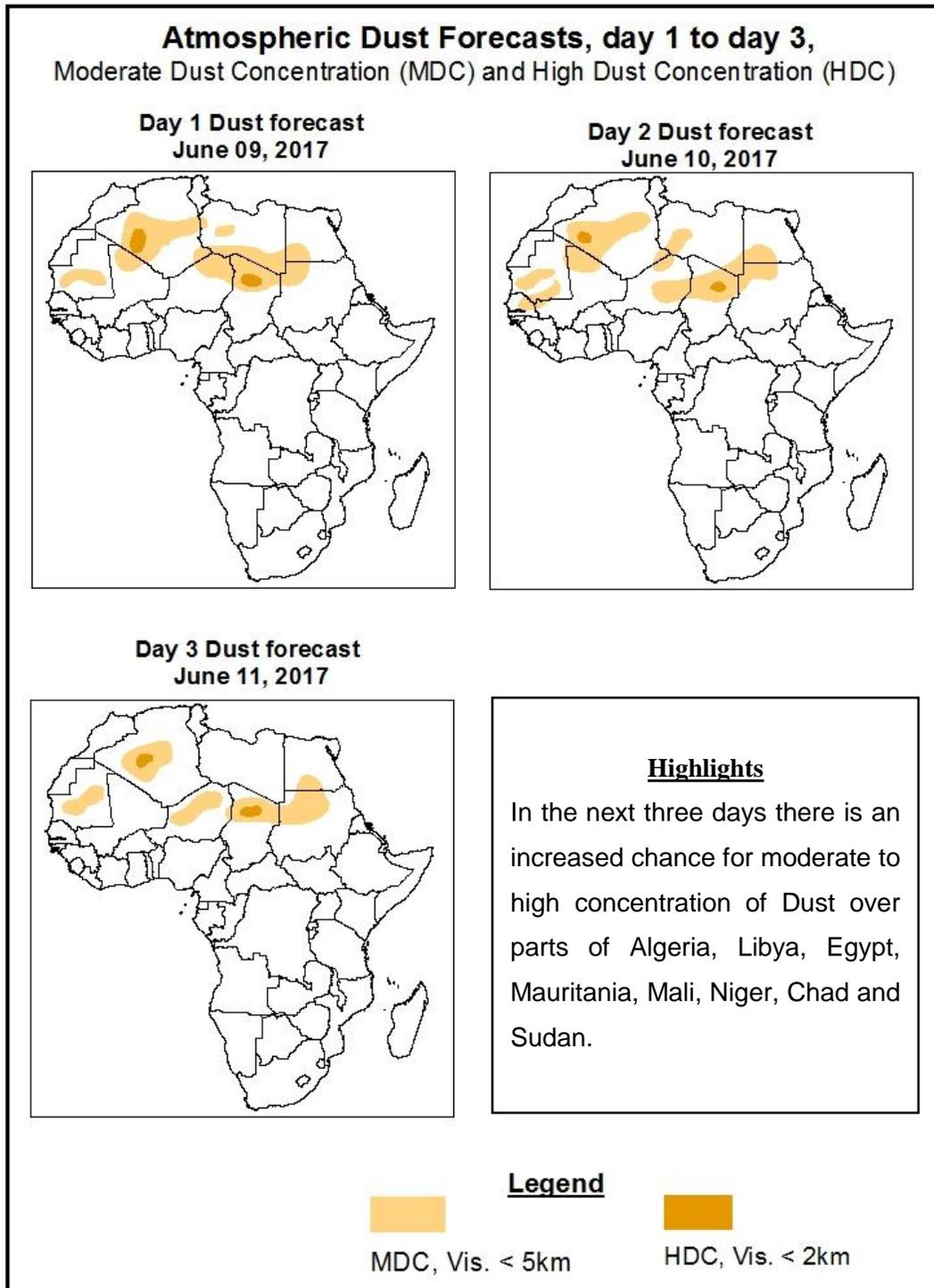


### **Highlights**

In the next five days, lower level wind convergences across West, Central Africa countries and portions of the Greater Horn of Africa are expected to enhance rainfall in their respective regions. Frontal system is expected to enhance rainfall across parts of South Africa. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Guinea, Sierra Leone, Liberia, Benin, Nigeria, Equatorial Guinea and local areas of Mali, Burkina Faso, Niger, Chad, Sudan, Cote d'Ivoire, Ghana, Togo, Cameroon, Gabon, CAR, South Sudan, Ethiopia, Uganda, South Africa and Madagascar.

## 1.2. Atmospheric Dust Concentration Forecasts (valid: June 09–11, 2017)

The forecasts are expressed in terms of high probability of dust concentration, based on the Navy Aerosol Analysis and Prediction System, NCEP/GFS lower-level wind forecasts and expert assessment.



### ***1.3. Model Discussion, Valid: June 09 – 13, 2017***

The Azores High Pressure system over the North Atlantic Ocean is expected to intensify with its value of the central pressure increasing from 1020hPa to 1027hPa during the next 72 hours and weaken to 1025hPa during the remaining forecast period.

The St. Helena High Pressure system over the Southeast of the Atlantic Ocean is expected to intensify with its value of the central pressure increasing from 1022hPa to 1025hPa during the forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to intensify with its value of the central pressure increasing from 1036hPa to 1041hPa during the next 72 hours and weaken to 1033hPa during the remaining forecast period.

At 925hPa, strong dry southeasterly to westerly winds may lead from light to moderate dust concentration over parts of Algeria, Libya, Egypt, Mauritania, Mali, Niger, Chad, Sudan and Senegal.

At 850hPa level, lower level wind convergences are expected to prevail over Mali, Burkina Faso, Niger, Chad, Sudan, Cote d'Ivoire, Nigeria, Cameroon, CAR, DRC, Ethiopia, Uganda, South Africa and Madagascar.

In the next five days, lower level wind convergences across West, Central Africa countries and portions of the Greater Horn of Africa are expected to enhance rainfall in their respective regions. Frontal system is expected to enhance rainfall across parts of South Africa. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Guinea, Sierra Leone, Liberia, Benin, Nigeria, Equatorial Guinea and local areas of Mali, Burkina Faso, Niger, Chad, Sudan, Cote d'Ivoire, Ghana, Togo, Cameroon, Gabon, CAR, South Sudan, Ethiopia, Uganda, South Africa and Madagascar.

## 2.0. Previous and Current Day Weather over Africa

### 2.1. Weather assessment for the previous day (June 07, 2017)

Light to moderate rainfall was observed over portions of Burkina Faso, Niger, Chad, Sudan, Ghana, Togo, Benin, Nigeria, Cameroon, CAR, DRC, South Sudan, Ethiopia and South Africa.

### 2.2. Weather assessment for the current day (June 08, 2017)

Intense convective clouds are observed over portions of Liberia, Cote d'Ivoire, Benin, Cameroon, CAR, DRC, South Sudan, Uganda and Kenya.

