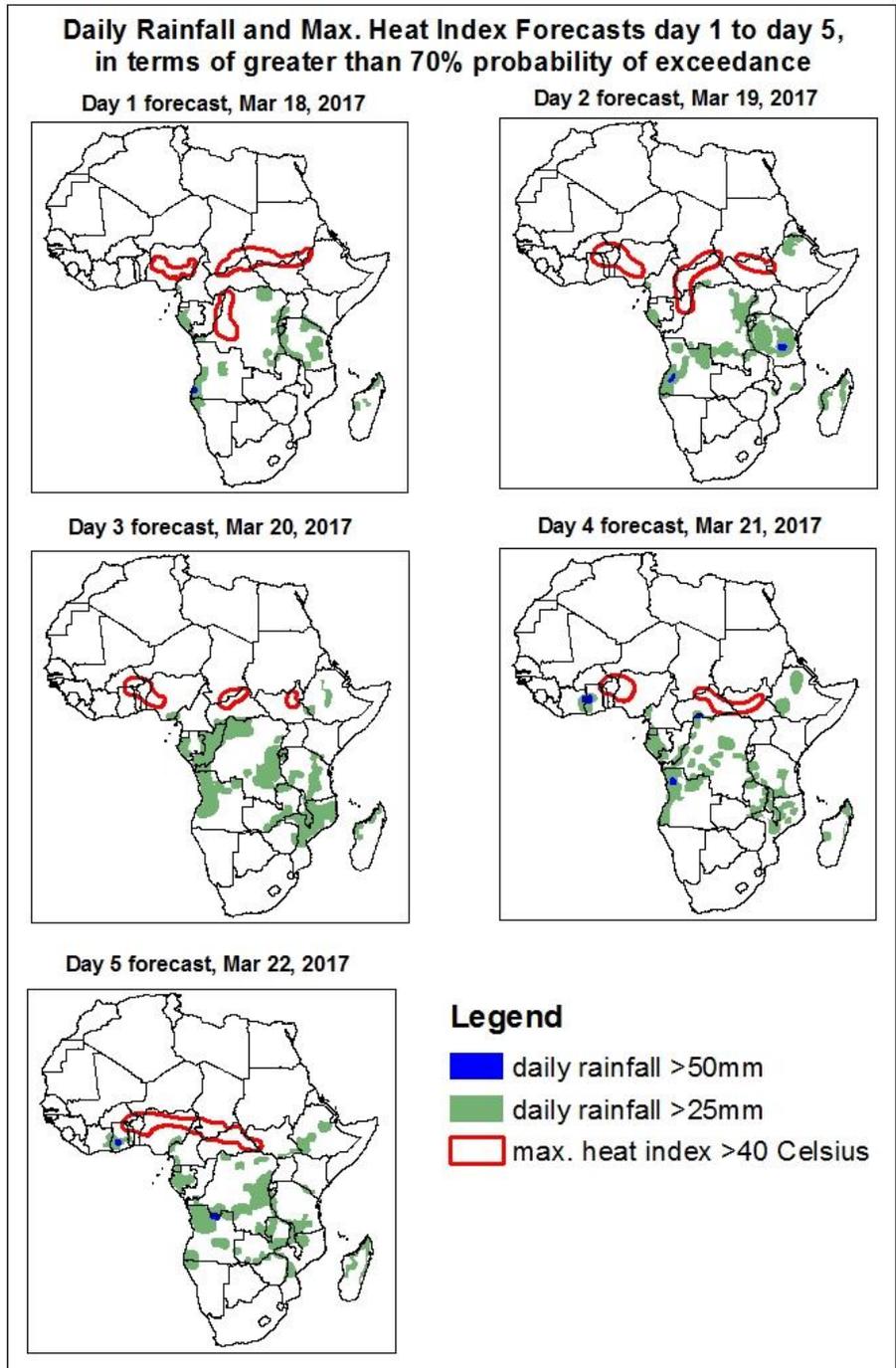


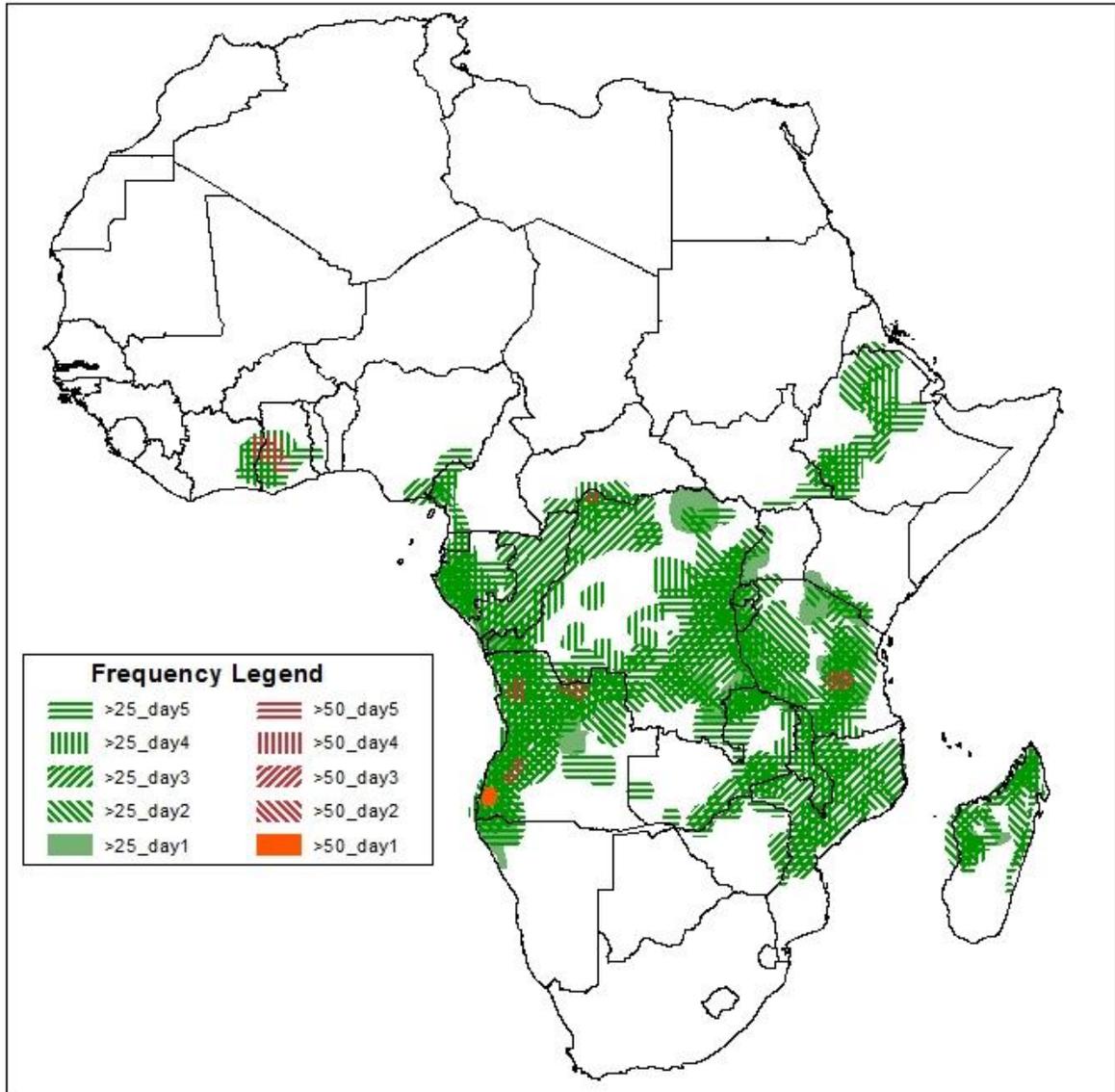
**1. Rainfall, Heat Index and Dust Concentration Forecasts, (Issued on Mar 17, 2017)**

**1.1. Daily Rainfall and Maximum Heat Index Forecasts (valid: Mar 18 – 22, 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 Mar 18 - 22, 2017

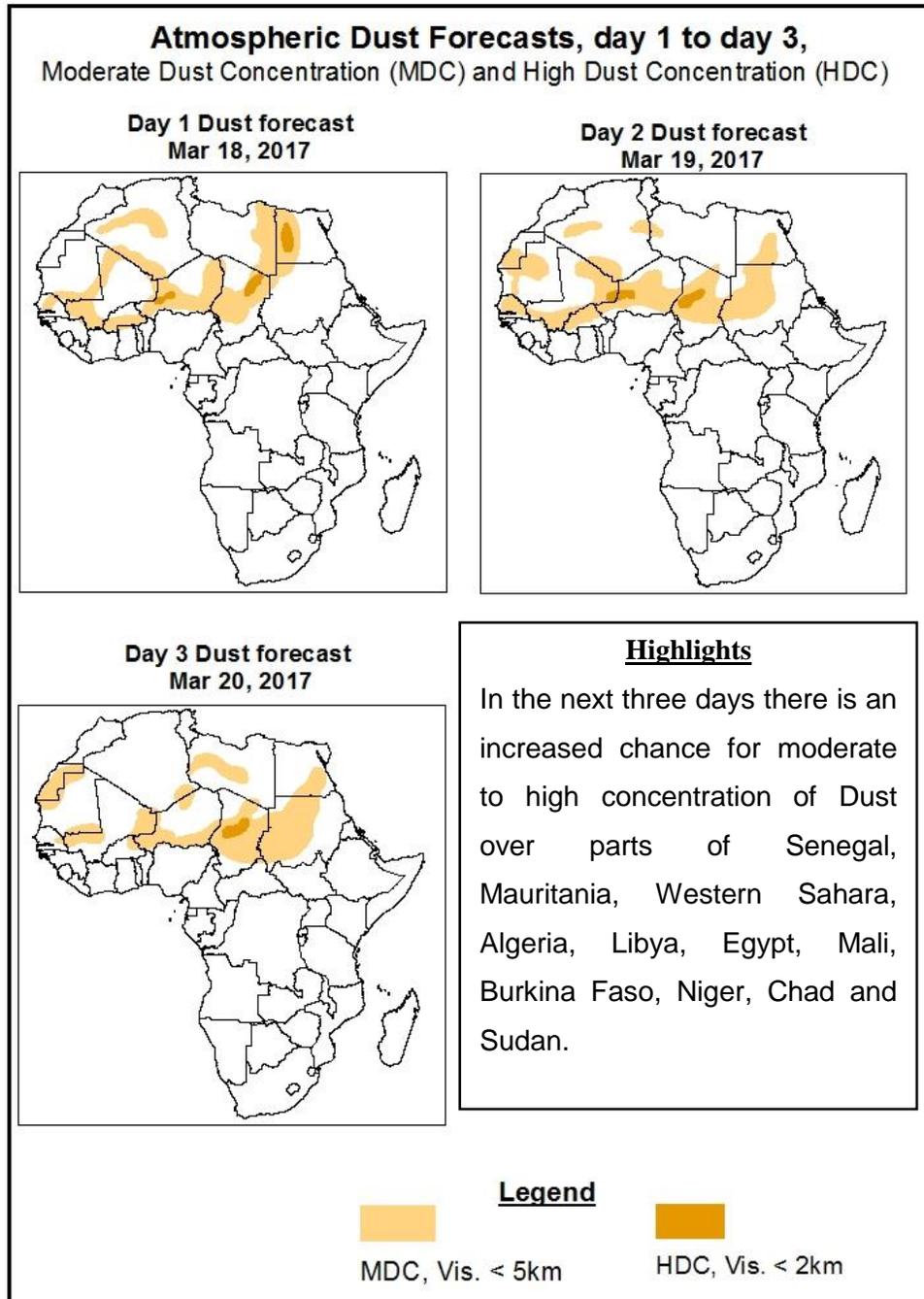


### **Highlights**

In the next five days, lower level wind convergences across the Central and South African countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Gabon, Congo, Equatorial Guinea, DRC, Burundi, Rwanda, Tanzania, Malawi, Angola, Zambia, Mozambique and Madagascar local areas of Ethiopia, Cote d'Ivoire, Ghana, South Sudan, Nigeria, Cameroon, CAR, Uganda, Zimbabwe, Namibia and South Africa.

## 1.2. Atmospheric Dust Concentration Forecasts (valid: Mar 18 – 20, 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: Mar 18 – 22, 2017***

The Azores High Pressure system over the North Atlantic Ocean is expected to weaken with its value of the central pressure decreasing from 1030hPa to 1028hPa during the forecast period.

The St. Helena High Pressure system over the Southeast of the Atlantic Ocean is expected intensify with its value of the central pressure increasing from 1028hPa to 1032hPa in the next 48 hours and weaken to 1027hPa during the remaining forecast period.

The Mascarene High Pressure system over the Southwest Indian Ocean is expected to weaken with its value of the central pressure decreasing from 1032hPa to during the forecast period.

At 925hPa, strong dry Northeasterly to Easterly winds may lead from light to moderate dust concentration over parts of Western Sahara, Senegal, Mauritania, Algeria, Tunisia, Libya, Egypt, Mali, Burkina Faso, Niger, Chad and Sudan.

At 850hPa level, lower level wind convergences are expected to prevail over Cameroon, Congo, Gabon, CAR, DRC, South Sudan, Uganda, Angola, Tanzania and South Africa.

In the next five days, lower level wind convergences across the Central and South African countries are expected to enhance rainfall in their respective regions. Therefore, there is an increased chance for two or more days of moderate to heavy rainfall over portions of Gabon, Congo, Equatorial Guinea, DRC, Burundi, Rwanda, Tanzania, Malawi, Angola, Zambia, Mozambique and Madagascar local areas of Ethiopia, Cote d'Ivoire, Ghana, South Sudan, Nigeria, Cameroon, CAR, Uganda, Zimbabwe, Namibia and South Africa.

## 2.0. Previous and Current Day Weather over Africa

### 2.1. Weather assessment for the previous day (Mar 16, 2017)

Light to moderate rainfall was observed over portions of Tunisia, Libya, Liberia, Cote d'Ivoire, Congo, CAR, DRC, South Sudan, Ethiopia, Uganda, Kenya, Tanzania, Angola, Zambia, Malawi and Madagascar.

### 2.2. Weather assessment for the current day (Mar 17, 2017)

Intense convective clouds are observed over portions of Guinea, Liberia, Cote d'Ivoire, Nigeria, Cameroon, Equatorial Guinea, Gabon, Congo, CAR, DRC, South Sudan, Ethiopia, Uganda, Kenya, Burundi, Rwanda, Tanzania, Angola, Zambia, Malawi, Namibia, Botswana, Mozambique and Madagascar.

