

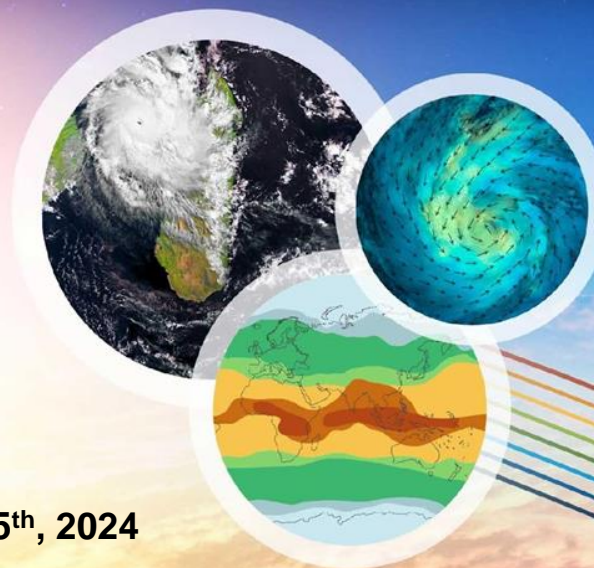
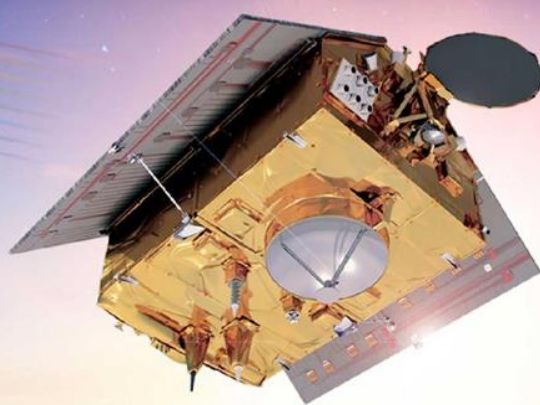


ClimSA

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME

African Centre of
Meteorological Applications for
Development (ACMAD)

Meningitis Environmental and Climate Factors



Issued on: Apr 25th, 2024

Validity period: 26th Apr to 09th May 2024

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OUTLINE



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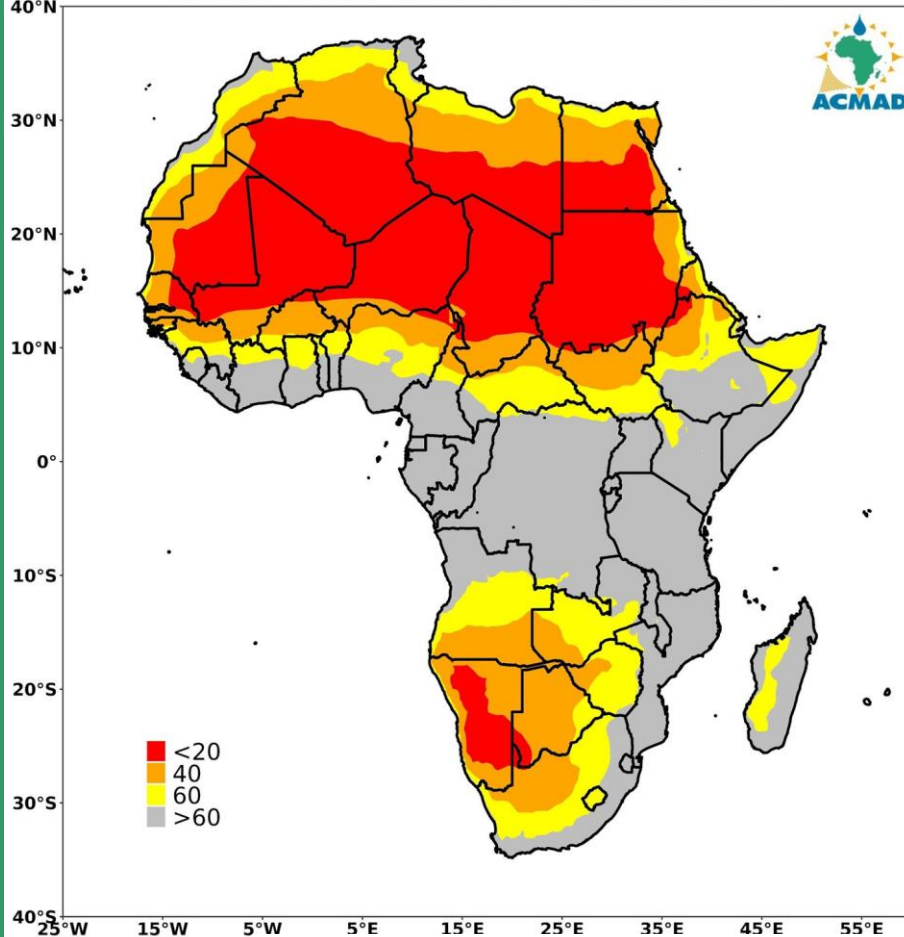
Outlook

A, U.S. Navy, NSA, SETI
and/or Government

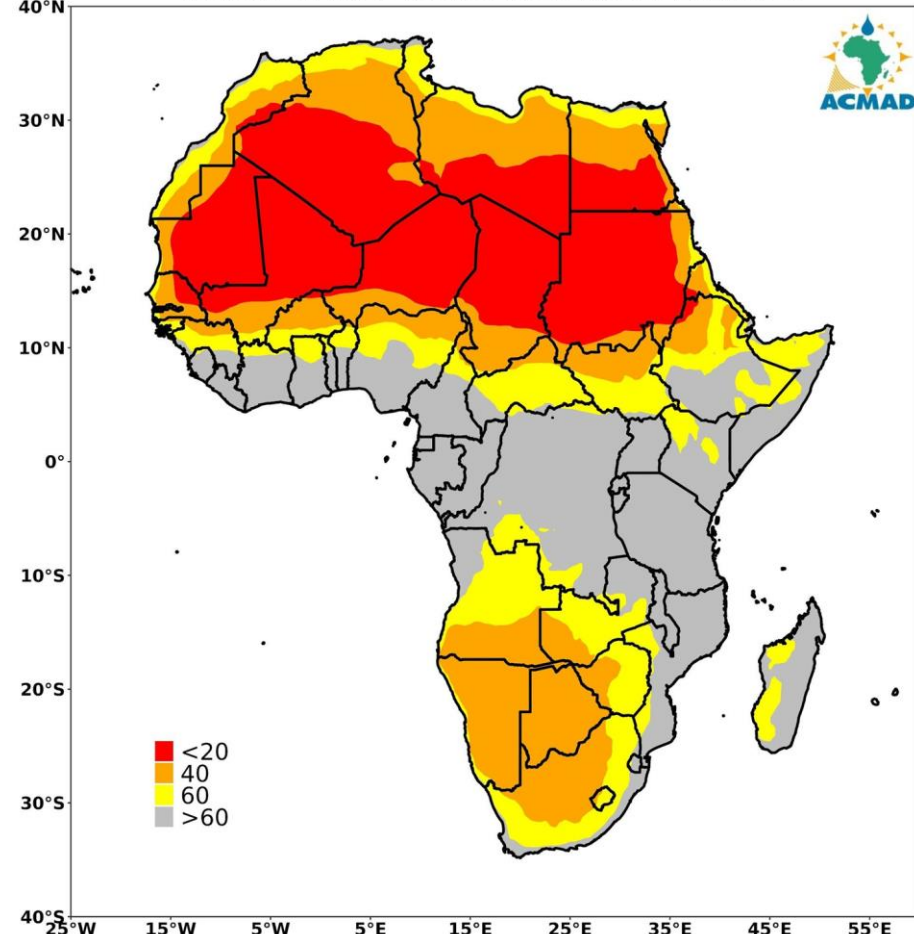


Relative Humidity forecasts

GEFS Mean Relative Humidity (%) at 1000 hPa
issued on 20240425 week: 20240426-20240502



GEFS Mean Relative Humidity (%) at 1000 hPa
issued on 20240425 week: 20240503-20240509



Dry conditions over Sahara and Sahelian band.

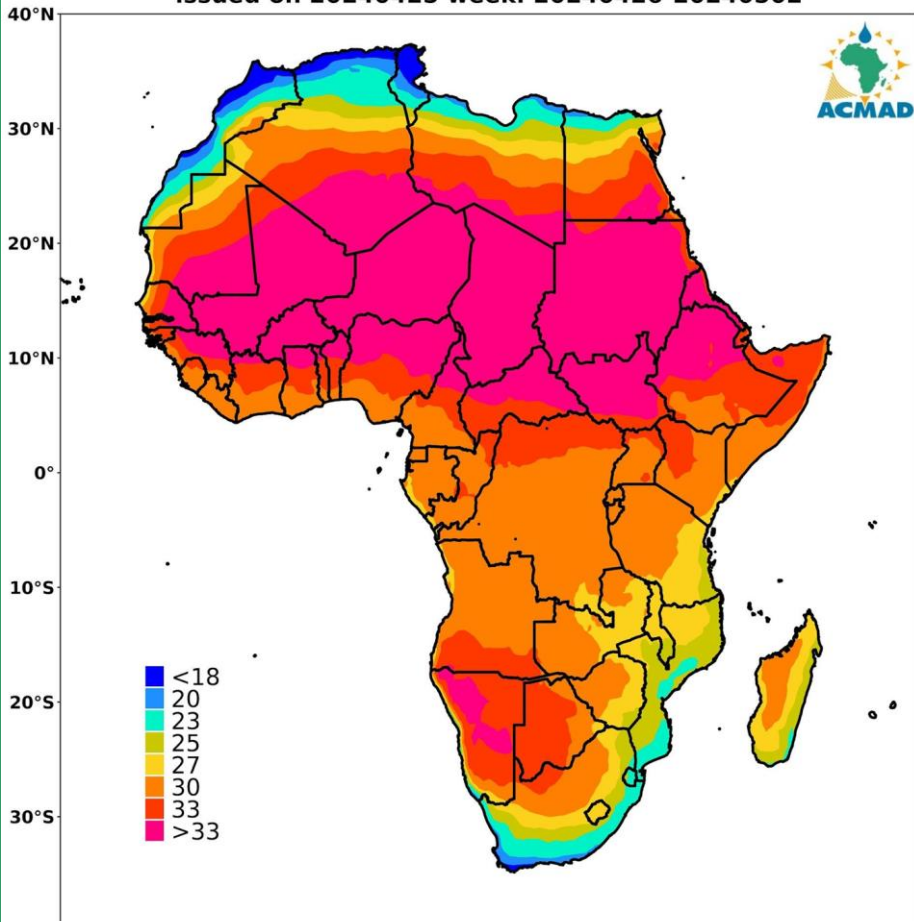
Over southern Africa the dry areas are expanding as austral winter take place.

Over Gulf of Guinea as well as for the northern parts of central Africa, wetter conditions are taken over as the rain belt move northward.

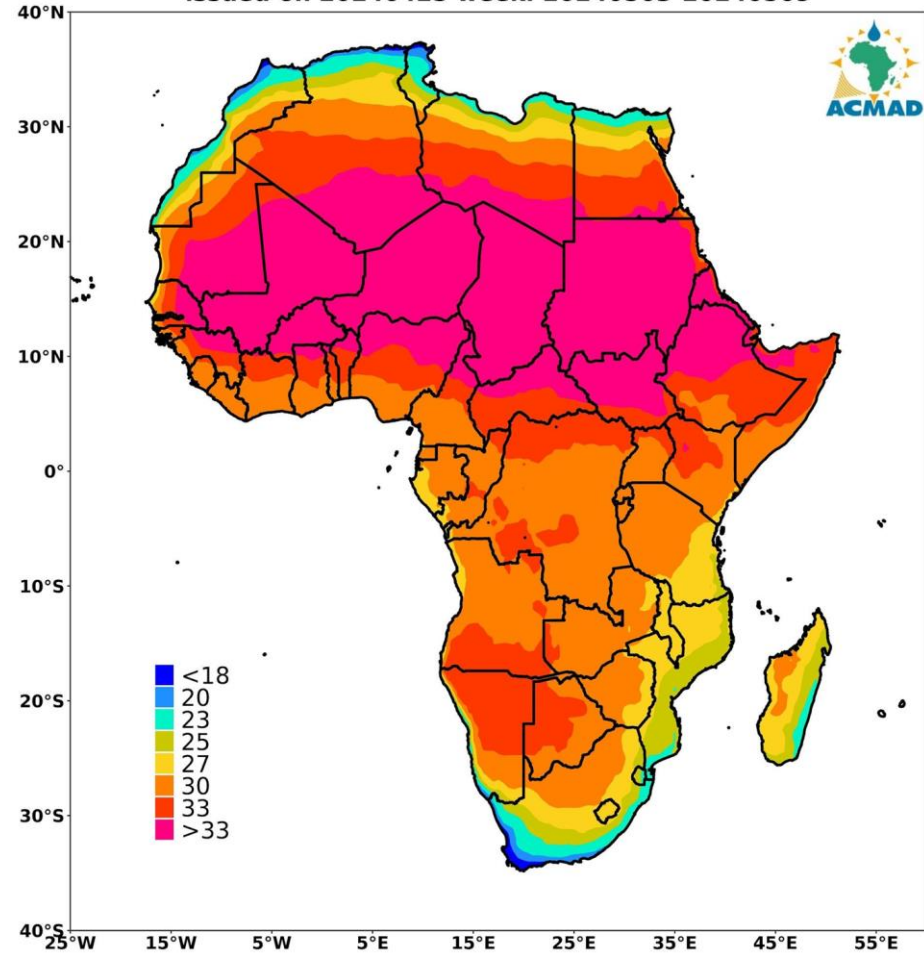


Temperature forecasts

GEFS Mean temperature (degree C) at 1000 hPa issued on 20240425 week: 20240426-20240502



GEFS Mean temperature (degree C) at 1000 hPa issued on 20240425 week: 20240503-20240509

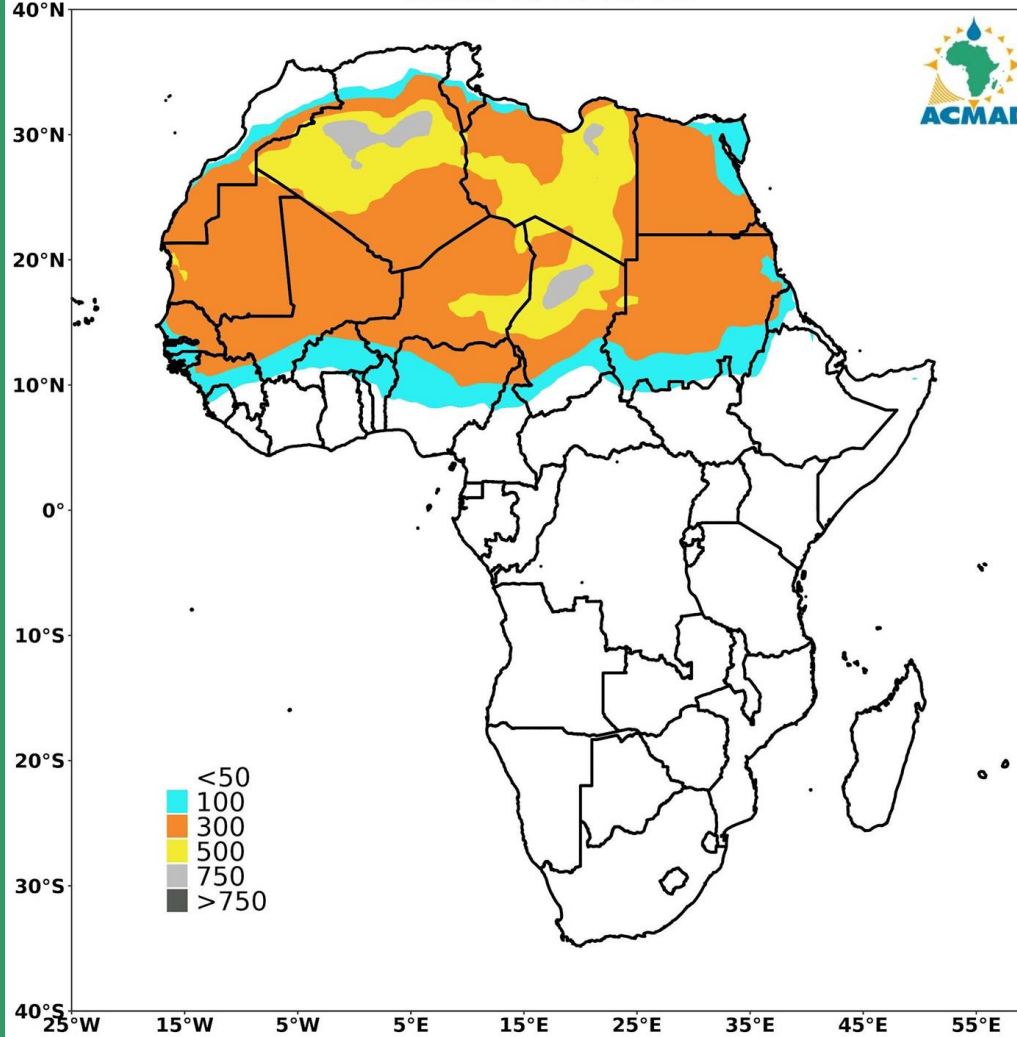


Local and episodic heat waves are expected across sahel band from eastern Senegal to Ethiopia, as well as over the northern parts of Gulf of Guinea Countries.



Dust Concentration forecasts

WMO SDS-WAS N.Africa
Median Surface dust Concentration (ug/m3)
issued on 20240425



- Dust outbreaks are expected to increase over Algeria, Libya, and in the central parts of the meningitis belt. However episodic dust storms may prevail across the belt.

"Dust data and/or images were provided by the WMO Barcelona Dust Regional Center and the partners of the Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS) for Northern Africa, the Middle East and Europe."

VIGILANCE MAP FOR MENINGITIS OUTBREAK

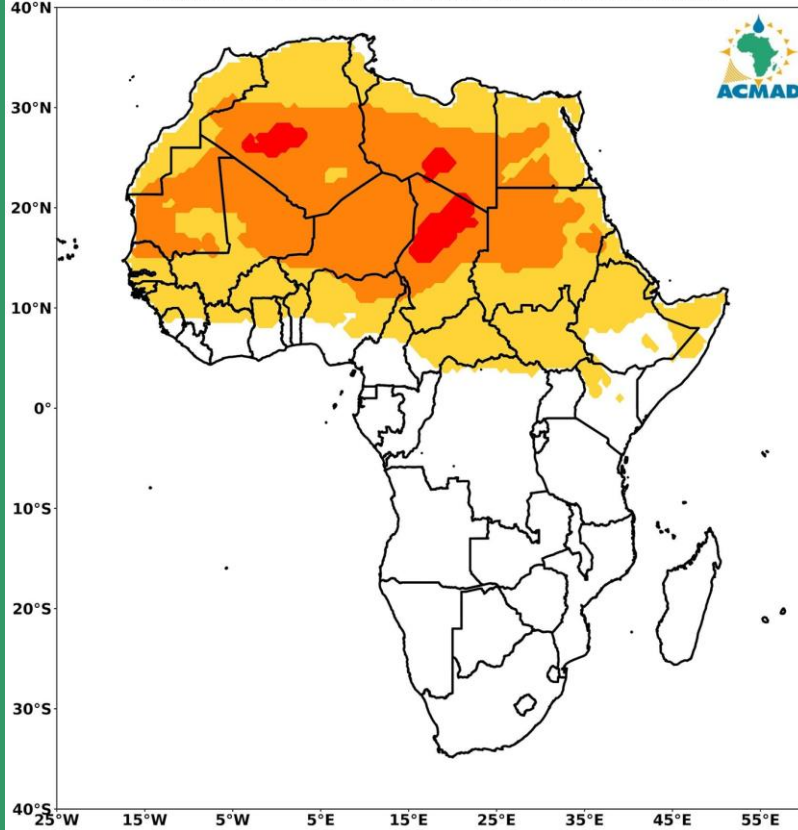
Valid From 25 Apr to 02 May 2024

Issued on Apr 25, 2024

HIGHLIGHT: Meningitis cases are very likely in Algeria, Libya and Chad

HIGHLIGHT: Meningitis cases likely in Morocco, Algeria, Libya, Egypt, Mauritania, Senegal, Mali, Burkina-Faso, Niger, Nigeria, Cameroon, Chad, Sudan and Eritrea

VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA
issued on 20240425 for week: 20240426-20240502



	Phenomenon	Hazard	Potentials Impacts	Advisory / Measures
	<ul style="list-style-type: none"> - Dust concentration below $150\mu\text{g}/\text{m}^3$ - Relative humidity above 40% - Temperature below 27°C 	Emergence of Meningitis cases not likely	Potential pressure on the health system	Routine surveillance systems at regional and national levels
	<ul style="list-style-type: none"> - Dust concentration between 150 to $400\mu\text{g}/\text{m}^3$ - Relative humidity between 20 & 40% - Temperature above 27°C 	Emergence of Meningitis cases very likely	Loss of life, pressure on the health system	Activation of surveillance systems at regional and national levels
	<ul style="list-style-type: none"> - Dust Concentration at least $400\mu\text{g}/\text{m}^3$ and above - Relative humidity less than 20% - Temperature above 30°C 	Emergence of Meningitis cases very likely and epidemic status possible	Loss of life, increased pressure on the health system	Strengthen and increase meningitis surveillance systems at both regional and national levels

VIGILANCE MAP FOR MENINGITIS OUTBREAK

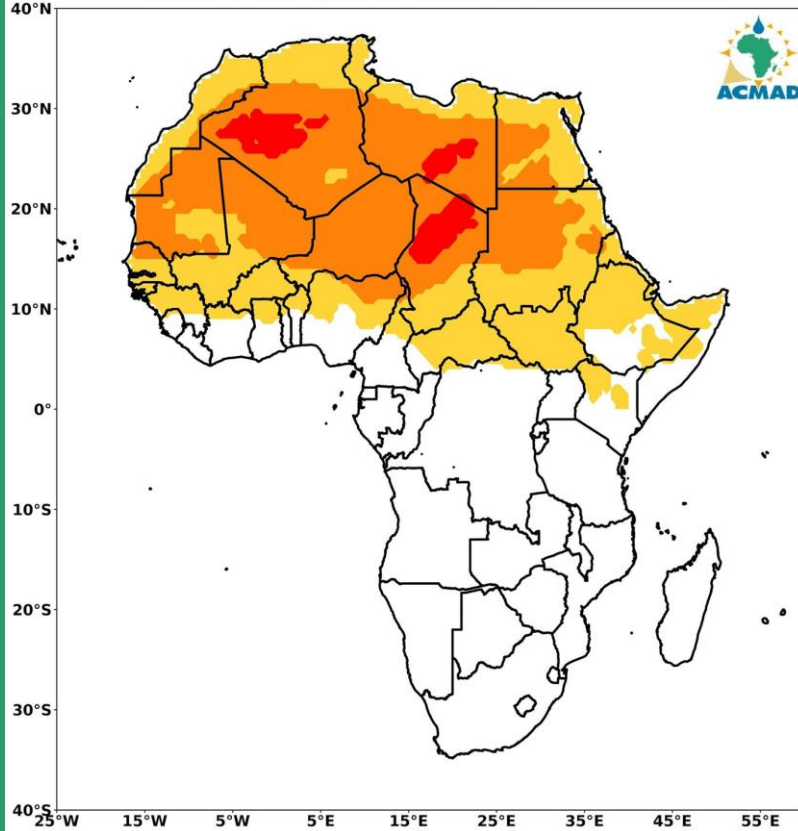
Valid From 03 to 09 May 2024

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VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA
issued on 20240425 for week: 20240503-20240509



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Thank you for your attention !

This work is supported by the ClimSA project as part of the implementation of WMO's Global Framework for Climate Services (GFCS)



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