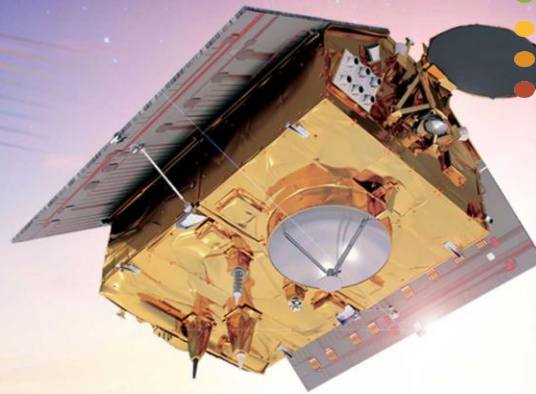
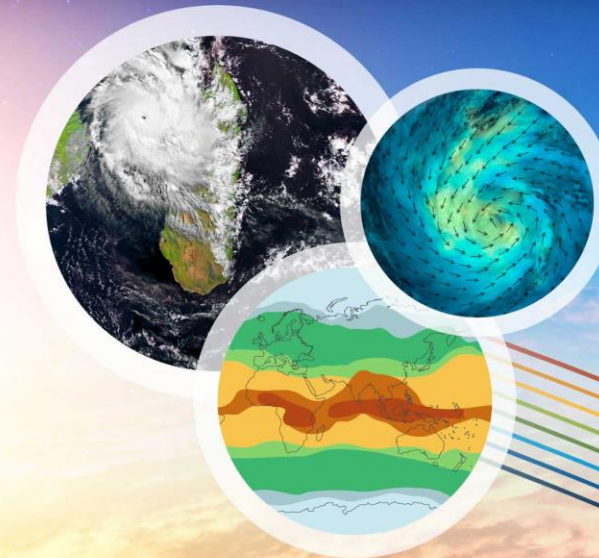


# African Centre of Meteorological Applications for Development (ACMAD)



## Continental Multi-Hazard & Advisory Bulletin



**Issued on: January 08<sup>th</sup>, 2024**

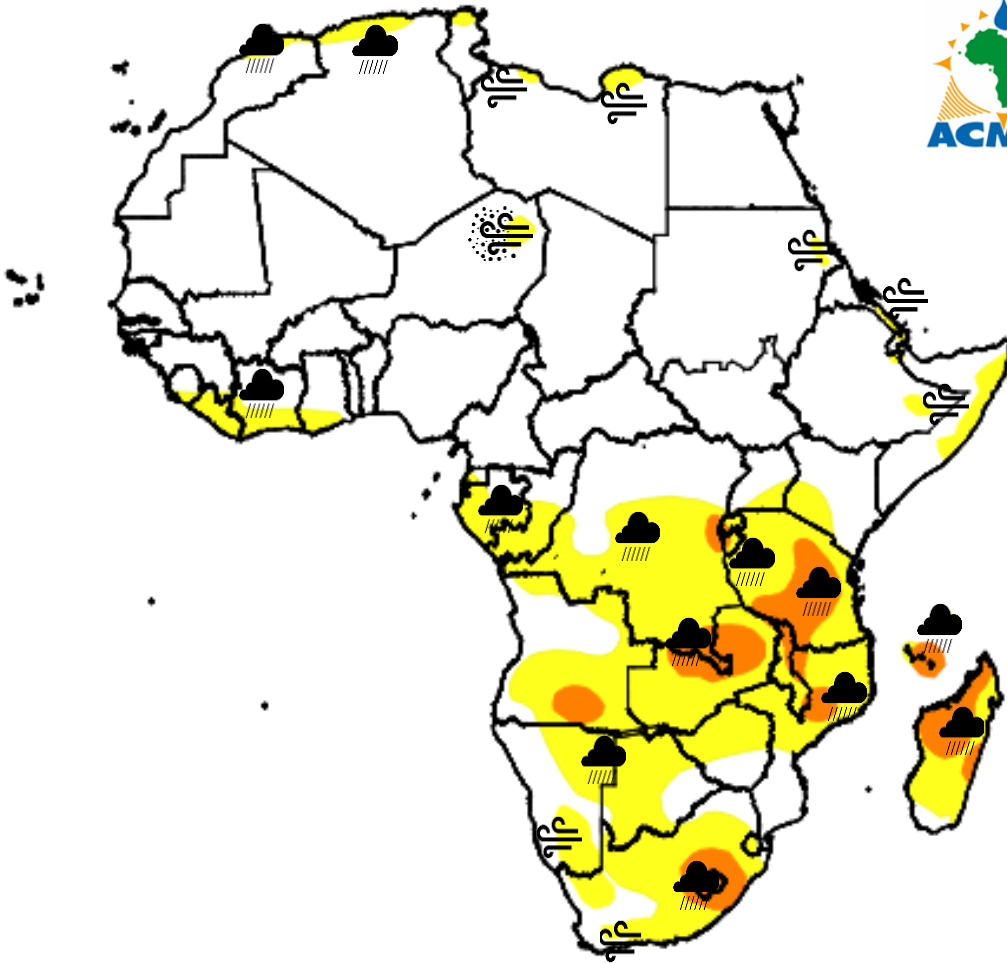
**Validity period: January 09<sup>th</sup> to 13<sup>th</sup>, 2024**







# MULTI-HAZARD OUTLOOK

**Validity: 2024-01-09**

issued on 2024-01-08



 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	

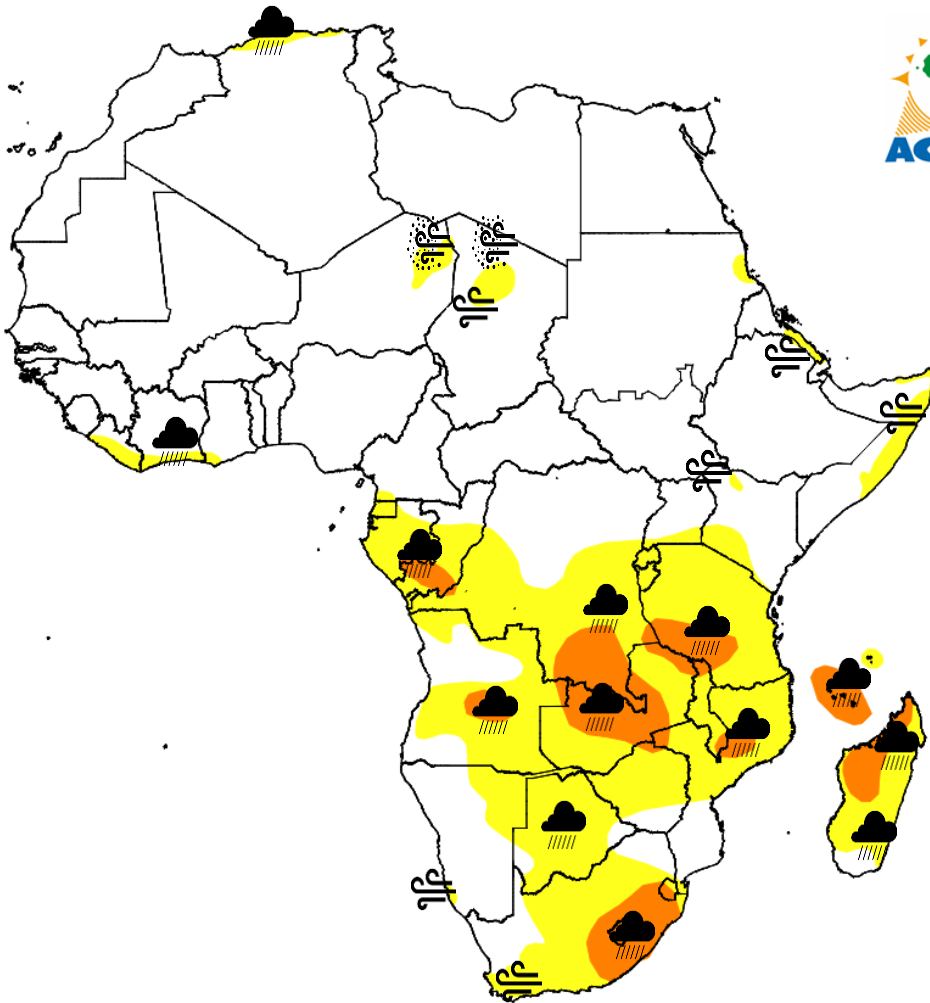








# MULTI-HAZARD OUTLOOK

**Validity: 2024-01-10**

issued on 2024-01-08



 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	

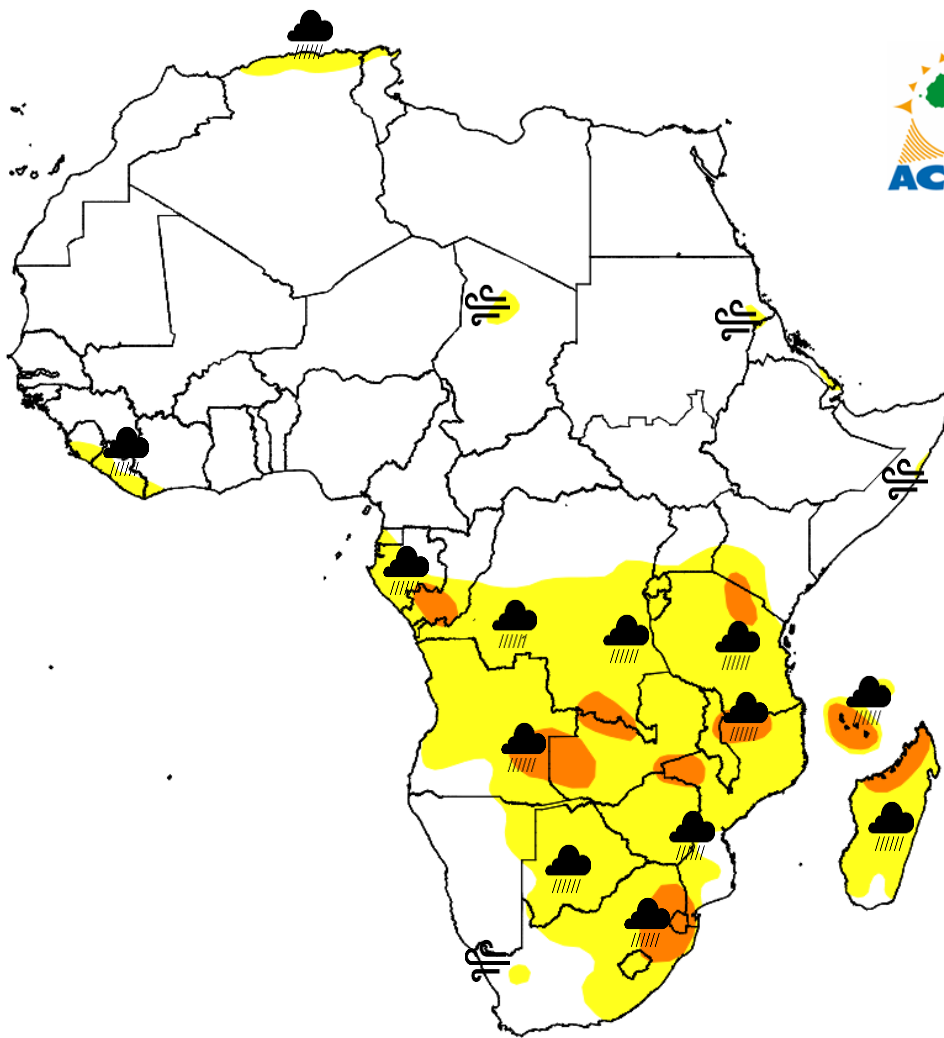








# MULTI-HAZARD OUTLOOK

## Validity: 2024-01-11

issued on 2024-01-08



 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	

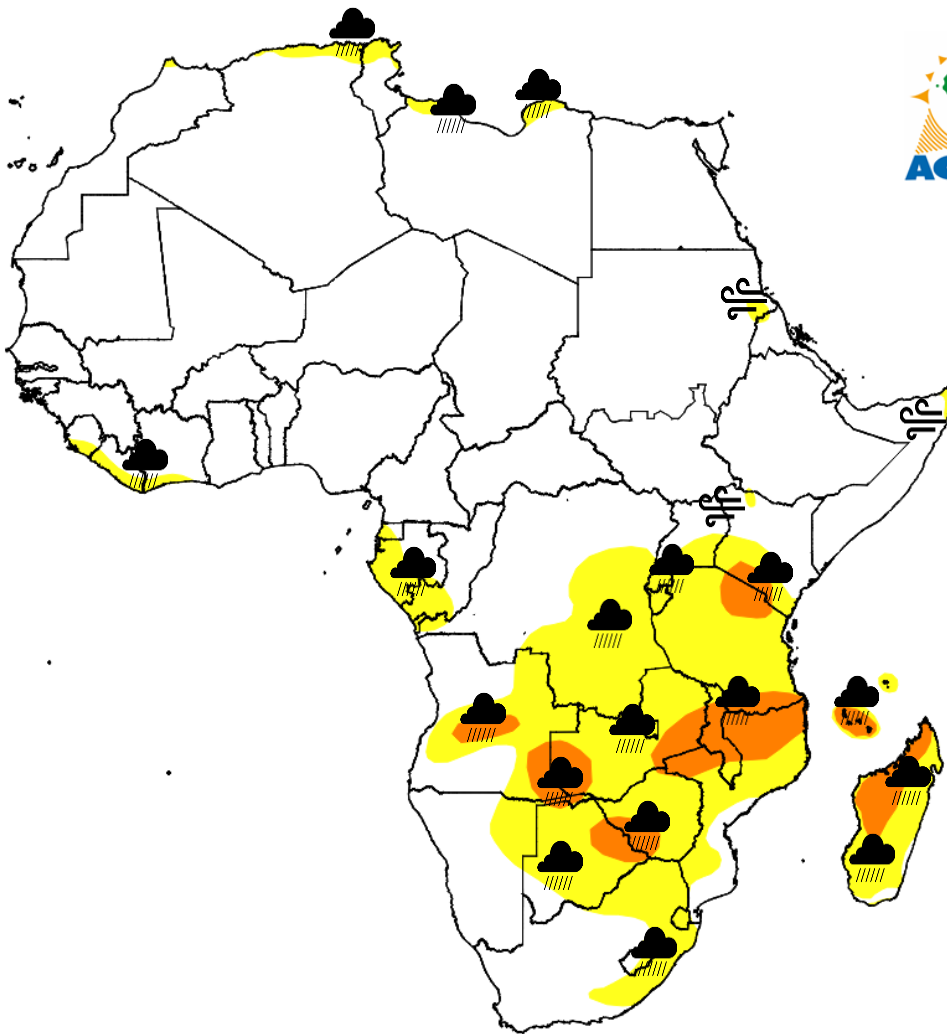








# MULTI-HAZARD OUTLOOK

## Validity: 2024-01-12

issued on 2024-01-08



 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	

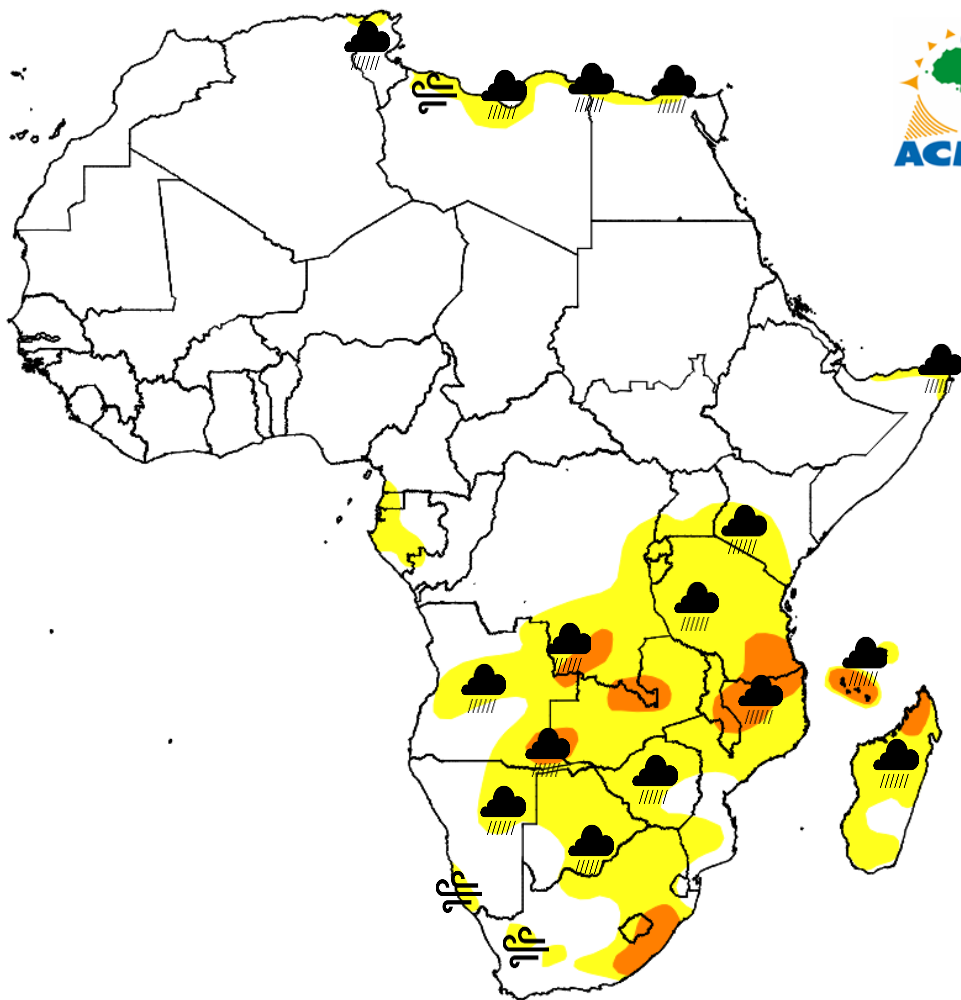








# MULTI-HAZARD OUTLOOK

## Validity: 2024-01-13

issued on 2024-01-08



 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	

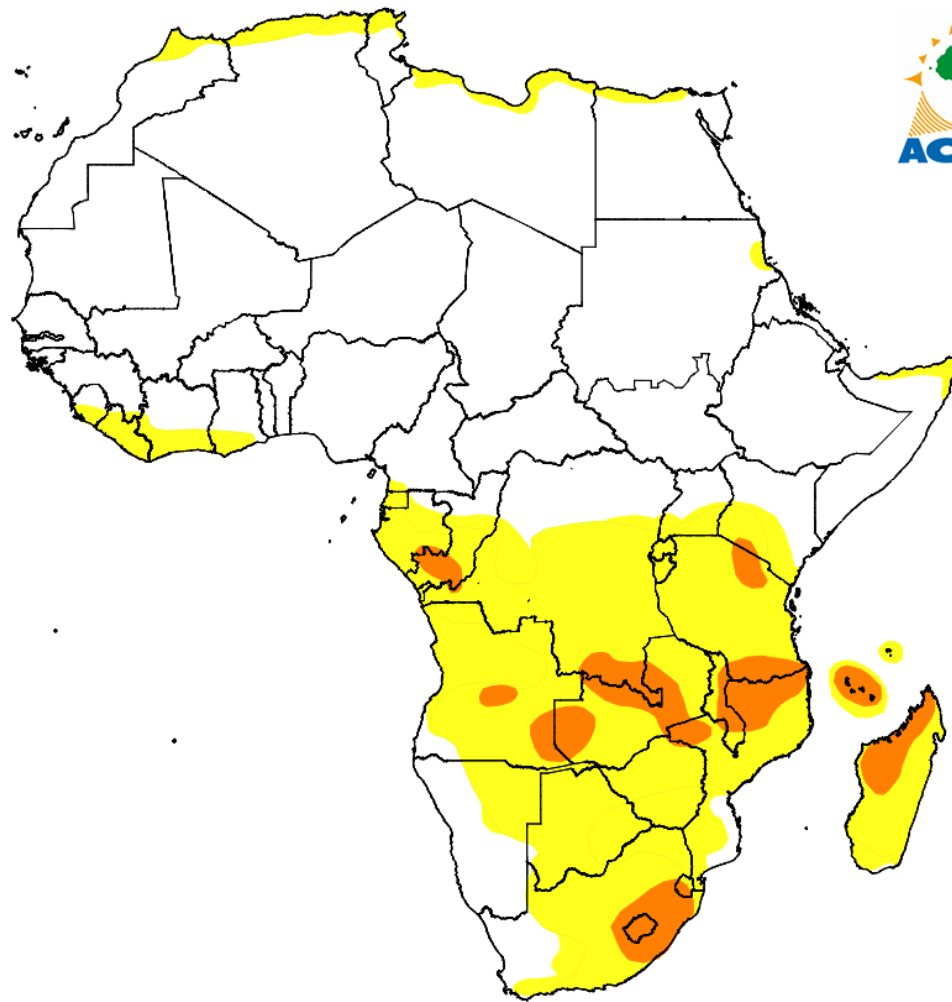








# MULTI-HAZARD OUTLOOK

**Validity: 2024-01-09 to 13**

issued on 2024-01-08



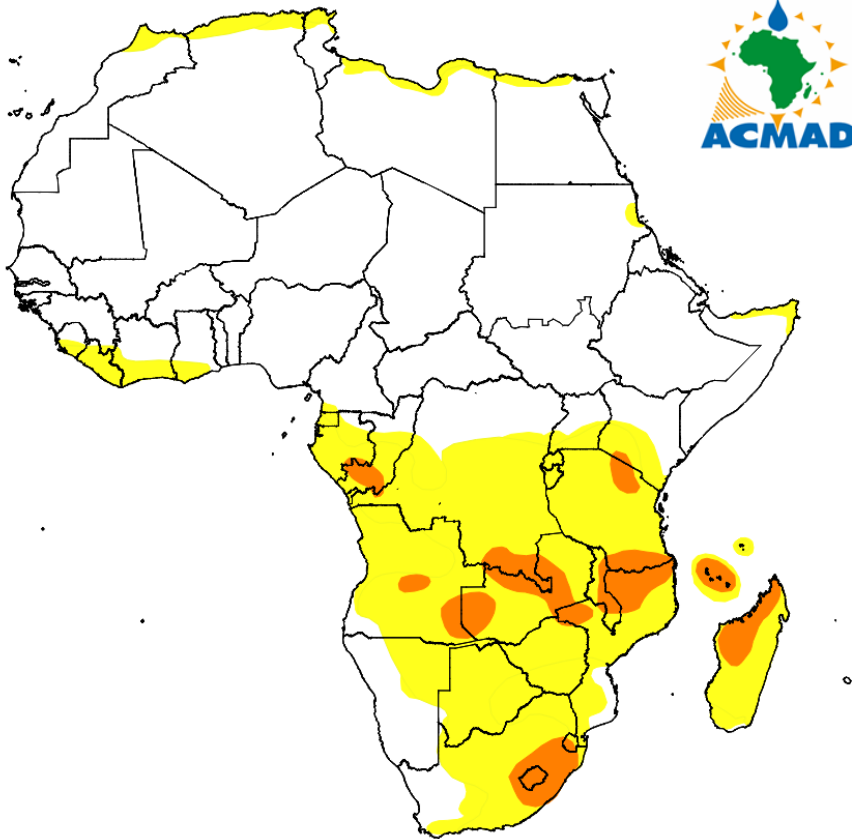
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light 1 - 10mm	Light <50kmh <sup>-1</sup>	Light <200µg m <sup>-3</sup>	



**Valid From January 09 to January 13, 2024**

Issued on January 08, 2024

**HIGHLIGHT:** Heavy rainfall are expected over Gabon, Congo, D.R.C., Angola, Zambia, Malawi, Kenya, Tanzania, Zimbabwe, Comoros, Lesotho, Eswatini, Mozambique, Madagascar and South Africa



	Phenomenon	Hazard	Potentials Impacts	Measures / Advices
	In next 5 days accumulated rainfall (50-100mm) is likely,	Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and lightning likely	Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (roads, bridges, ...)	DRM authorities to keep informed about the development of the meteorological situation and raise awareness, taking action is more likely, the situation needs to be monitored closely with NHMSs
	In next 5 days accumulated rainfall (100 – 150mm) is very likely,	Heavy rainfall, flash flood, riverine flooding, landslides, soil erosion and lightning, strong winds,	Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (roads, bridges, ...)	Update Flood contingency plans, Improve water management in reservoirs and dams, DRM authorities be ready to take adequate actions, DRM to be continuously in touch with NHMSs to be informed of the detailed expected meteorological conditions.
	In next 5 days accumulated rainfall (>150mm) is very likely,	Extreme precipitation, flash flood, riverine flooding, landslides, soil erosion and lightning, strong winds, severe thunderstorms	Loss of lives, Injuries, Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (roads, bridges, ...)	Activate flood contingency plans, DRM authorities to be ready to take adequate actions (be prepared for emergency response and search & rescue operations as needed), Improve water management in reservoirs and dams, be in close touch with NHMSs for more details and identification of vulnerable areas.





# VIGILANCE MAP AND POLICY BRIEF FOR MENINGITIS OUBREAK

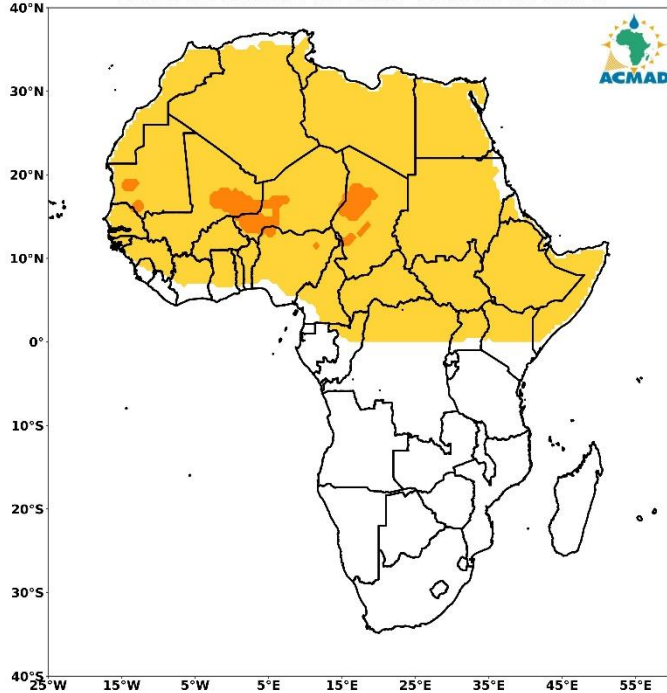
Valid From January 09 to January 15, 2024

Issued on January 08, 2024



**HIGHLIGHT:** Emergence of Meningitis cases very likely in Mauritania, Mali, Niger, Nigeria, Cameroon and Chad

VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA  
Issued on 20240108 for week: 20240109-20240115



	Phenomenon	Hazard	Potentials Impacts	Advisory / Measures
		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"> <li>- Dust concentration between 150 to 400µg/m<sup>3</sup></li> <li>- Relative humidity between 20 &amp; 40%</li> <li>- Temperature above 27°C</li> </ul>	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"> <li>- Dust Concentration at least 400µg/m<sup>3</sup> and above</li> <li>- Relative humidity less than 20%</li> <li>- Temperature above 30°C</li> </ul>	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

**Disclaimer:**

The presentation of country boundaries on the map does not imply any opinion whatsoever on the part of ACMAD concerning the legal status of any country, territory or area, or concerning the delimitation of frontiers or boundaries.



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of the Global Framework for Climate Services**



**ClimSA**

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



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