









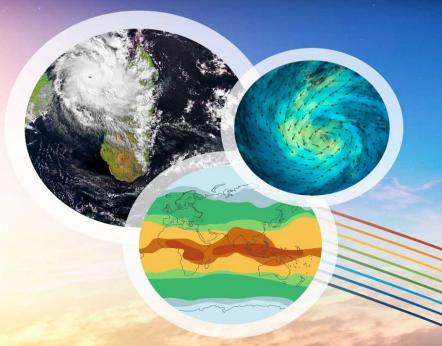


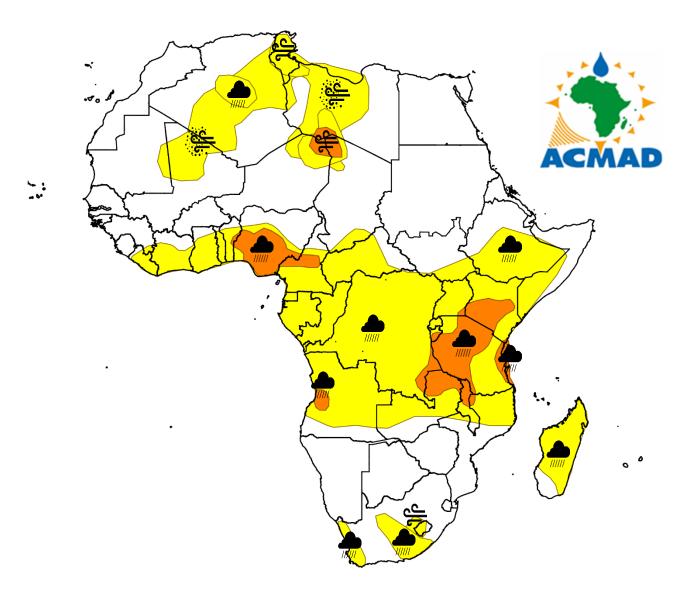


Issued on: March 20th, 2023

Validity period: March 21st to 25th, 2023

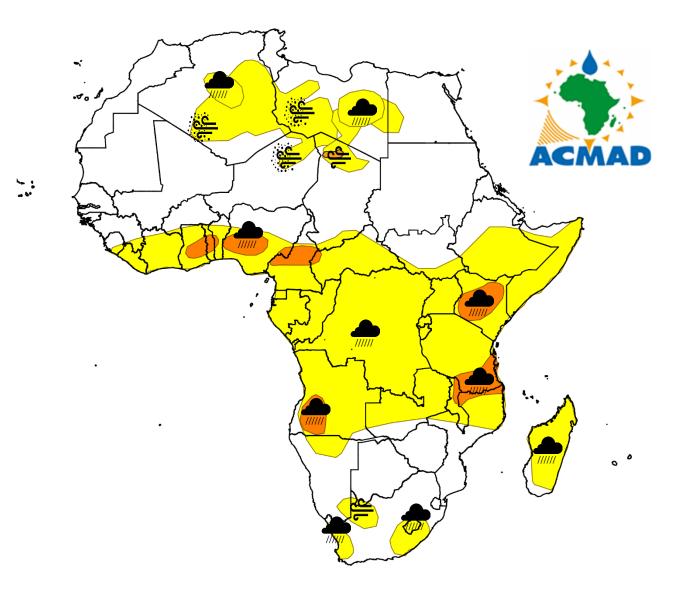






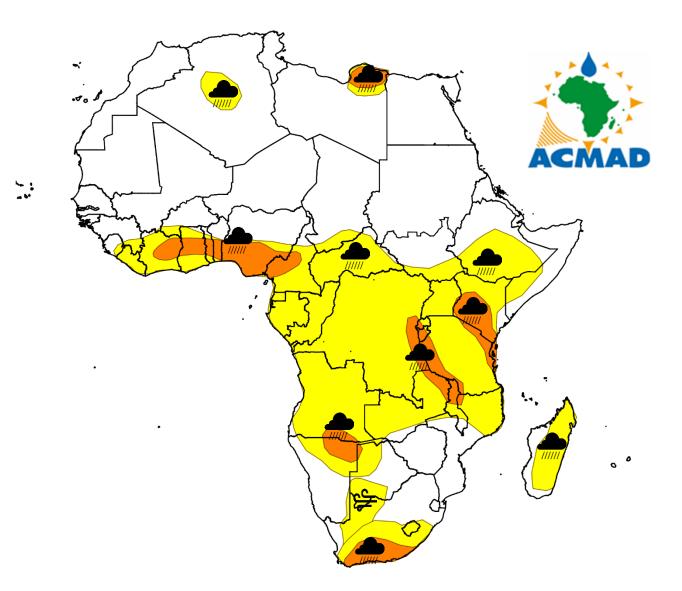
## Validity: 2023-03-21

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



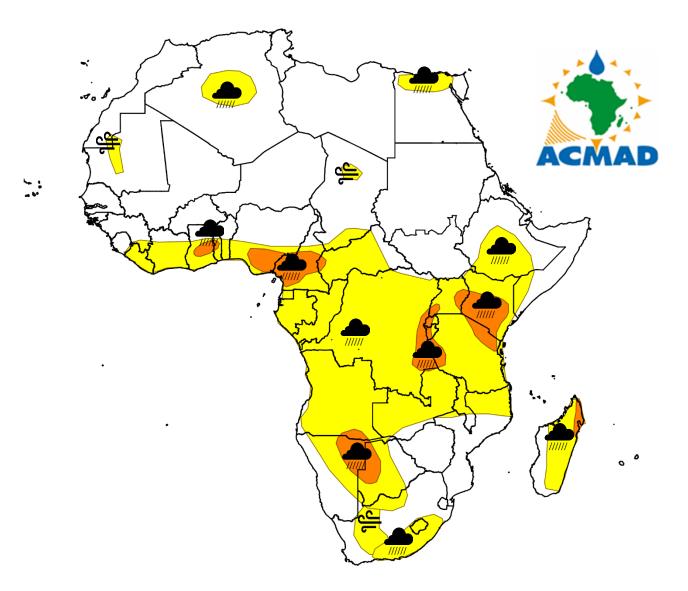
# Validity: 2023-03-22

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



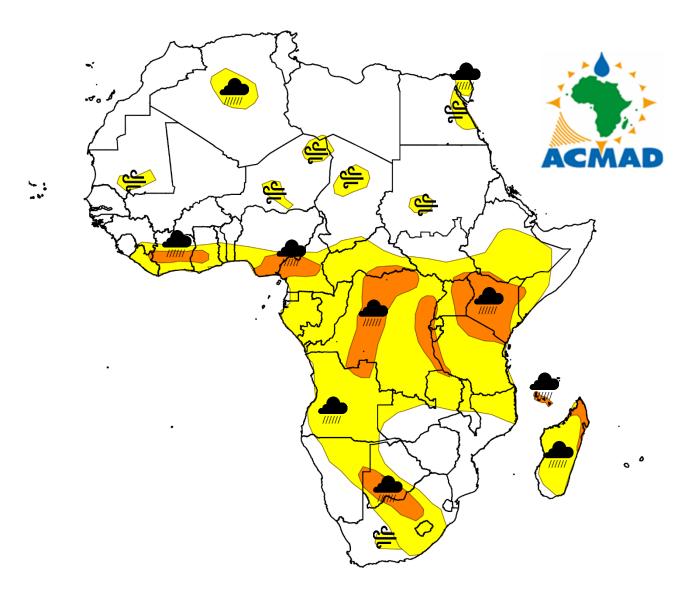
# Validity: 2023-03-23

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



# Validity: 2023-03-24

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



# Validity: 2023-03-25

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



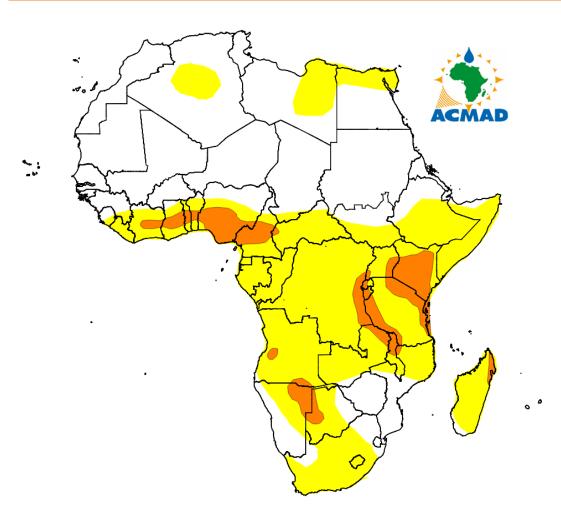
## VIGILANCE MAP AND POLICY BRIEF FOR HEAVY RAINFALL AND STRONG WINDS



Valid From March 21 to 25, 2023

Issued on March 20, 2023

HIGHLIGHT: Heavy rainfall is expected in Cote d'Ivoire, Ghana, Togo, Benin, Nigeria, Cameroon, DRC, Rwanda, Bunrudi, Tanzania, Kenya, Uganda, Zambia, Malawi, Angola, Namibia, Botswana and Madagascar,



	Phenomen on	Hazard	Potentials Impacts	DRM Measures / Advices
	In next 5 days accumulate d 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 accumulate d 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 accumulate d rainfall (>150mm) is very likely,	Extreme heavy 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,)	Civil Protection service and DRM authorities to activate contingency plan for disaster preparedness and emergency response (awareness, assistance to victims, search & rescue operations), and be in close touch with NHMS for further accuracy at the national level.

<u>Disclaimer:</u> 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.



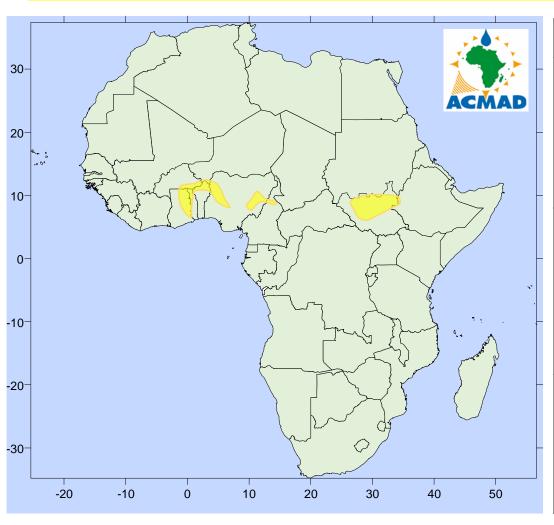
#### VIGILANCE MAP AND POLICY BRIEF FOR HEAT WAVE

#### Valid From March 21 to 25, 2023

Issued on March 20, 2023



#### HIGHLIGHT: Light heat wave is expected in Ghana, Burkina Faso, Togo, Benin, Nigeria, Cameroon and South Sudan.



Phenomenon	Hazard	Potentials Impacts	DRM Measures / Advices
In next 5 days apparent temperature >40°C to 44°C are expected for two days	Heat wave Conditions persists on 2days	Moderate temperature heat is tolerable for general public but moderate health concern for vulnerable people(people chronic diseases, infants and elderly)	Civil Protection services in Ghana, Burkina Faso, Togo, Benin, Nigeria, Cameroon, and South Sudan to monitor closely the heat wave situation with NHMSs
apparent temperature 40°C to 44°C are expected for more than 2 days	Moderate heat wave conditions are likely to persist for 3days ore more with varied severity	High temperature Increased likelihood of heat illness symptoms in people who are either exposed to sun for a prolonged period or doing heavy work High health concern for vulnerable people	N/A
Apparent temperatures >45°C are expected for more than 2 days	Severe heat wave is very likely to persist for more than 2 days,	Very high likelihood of developing heat illness and heat stroke in all ages	N/A

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#### VIGILANCE MAP AND POLICY BRIEF FOR MENINGITIS OUBREAK

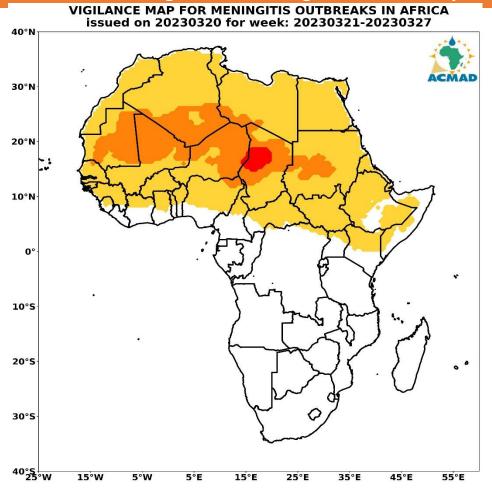
#### Valid From March 21 to 25, 2023

Issued on March 20, 2023



HIGHLIGHT: Emergence of Meningitis cases is very likely and epidemics status possible in Chad

#### Emergence of Meningitis cases is likely in Mauritania, Mali, Algeria, Libya, Niger, Nigeria, Chad and Sudan



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Phenomenon	Hazard	Potentials Impacts	Advisory / Measures	
<ul> <li>Dust concentration below 150µg/m3</li> <li>Relative humidity above 40%</li> <li>Temperature below 27oC</li> </ul>	Emergence of Meningitis cases not likely	Potential pressure on the health system	Routine surveillance systems at regional and national levels	
<ul> <li>Dust concentration between 150 to 400μg/m³</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, high potential pressure on the health system	Activation of surveillance systems at regional and national levels	
<ul> <li>Dust Concentration at least 400µg/m³ 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	

## Contributors

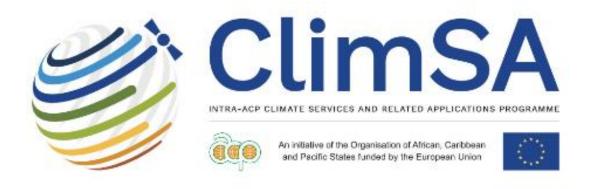
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Leon Guy Razafindrakoto	Thematic expert in meteorology	20-03-2023
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Bitsoumani-Ngouaya Gaëlla-Bentricia	Resource Person – On Job Training	20-03-2023
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## Versions

Version	Date	Ву	Descriptions
V0	20-03-2023	WWFD forecasters	First draft for « Briefing », with all forecaster's contributions
Last	20-03-2023	Dr. Pierre Kamsu	Final Review



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