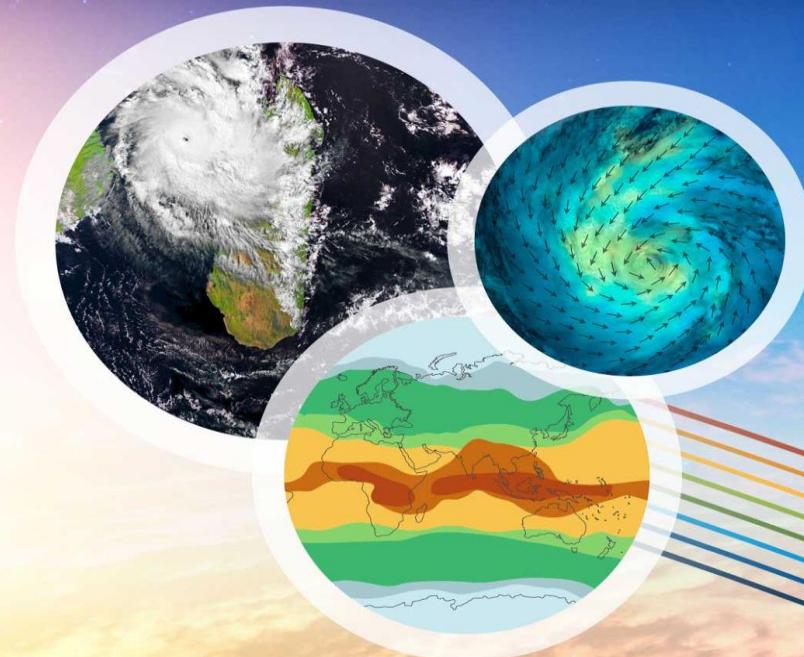




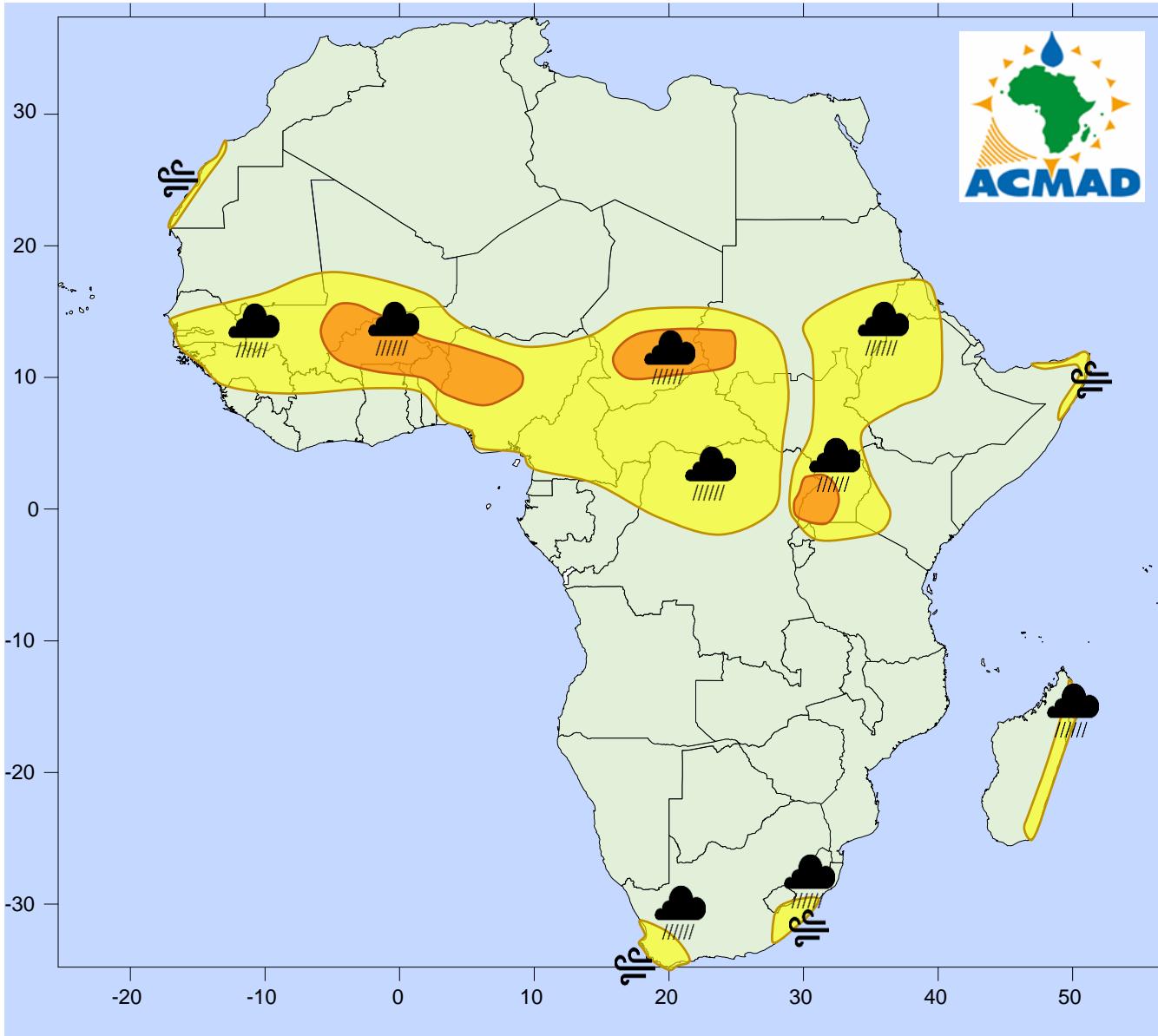
**African Centre of
Meteorological Applications for
Development (ACMAD)**

Continental Multi-Hazard &
Advisory Bulletin



Issued on: July 28th, 2022

Validity period: July 29th to August 2nd, 2022



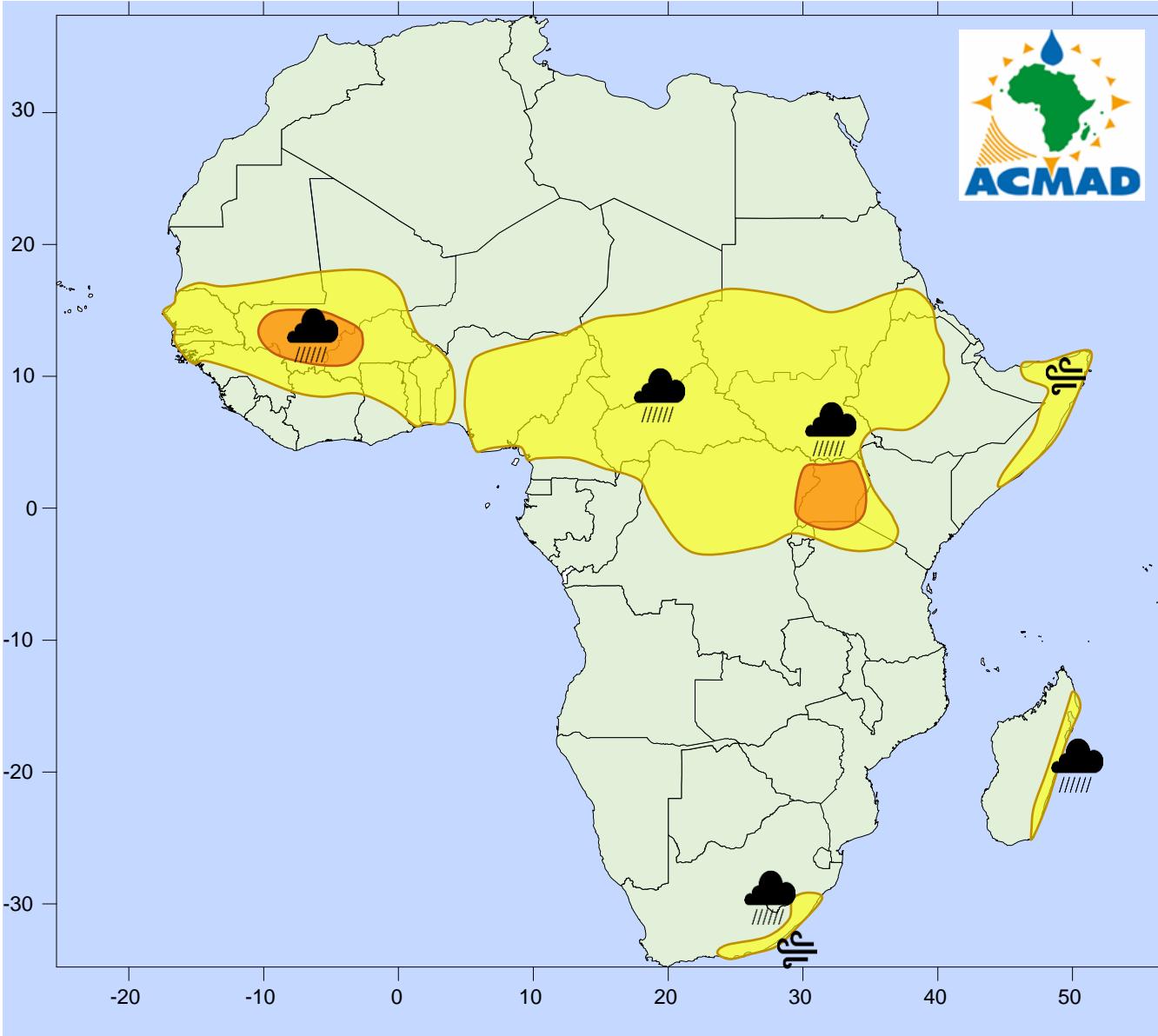
MULTI-HAZARD OUTLOOK

Validity: 2022-07-29

issued on 2022-07-28

Rain	Wind	Dust	Meningitis
Very heavy $>100\text{mm}$	Very strong $>80\text{kmh}^{-1}$	Very heavy $>1000\mu\text{g m}^{-3}$	Very likely
Heavy $50\text{-}100\text{mm}$	Strong $>65\text{kmh}^{-1}$	Heavy $>600\mu\text{g m}^{-3}$	Likely
Moderate $10\text{-}49\text{mm}$	Moderate $>50\text{kmh}^{-1}$	Moderate $>400\mu\text{g m}^{-3}$	Less likely
Light $1\text{-}10\text{mm}$	Light $<50\text{kmh}^{-1}$	Light $<200\mu\text{g m}^{-3}$	





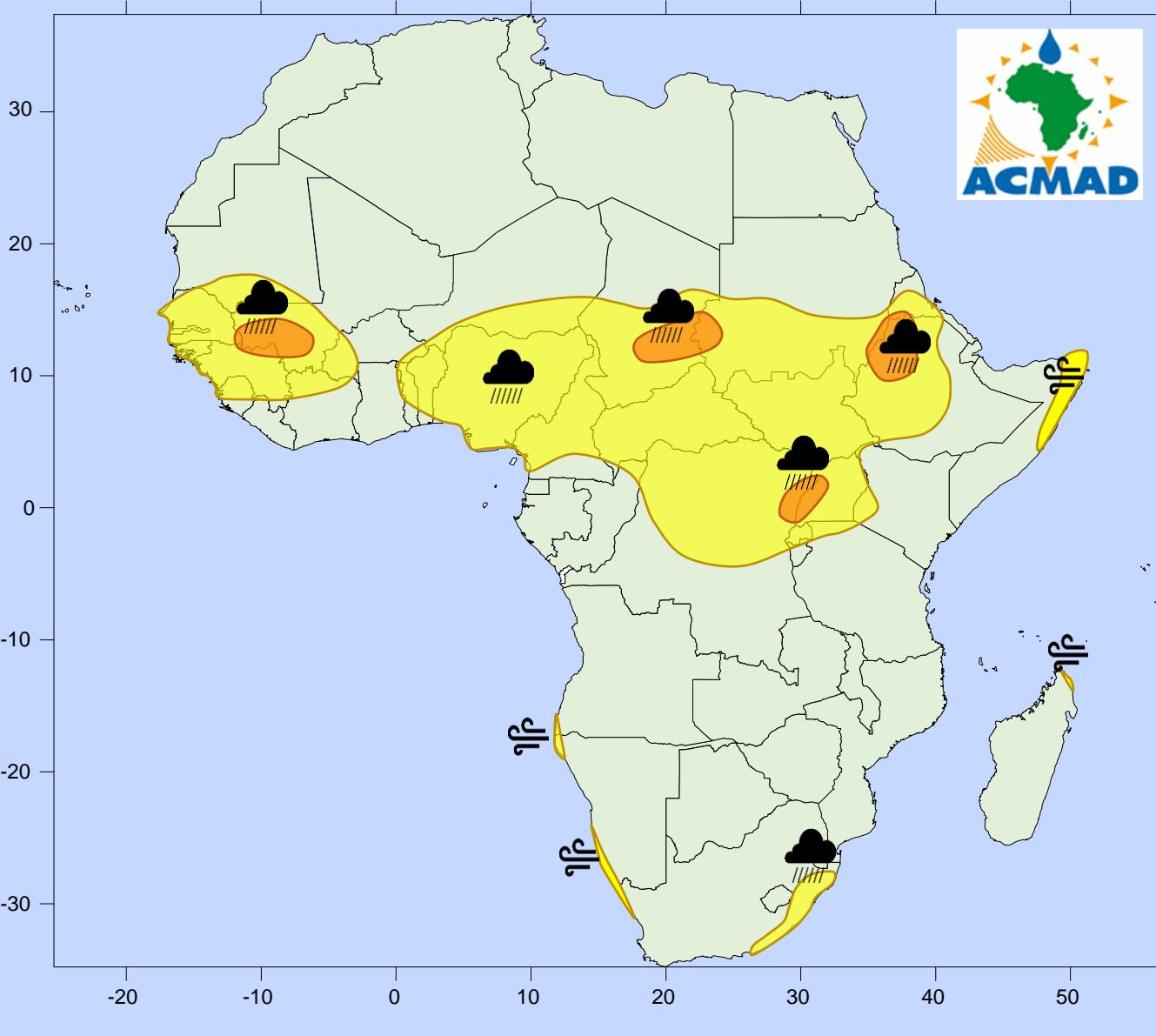
MULTI-HAZARD OUTLOOK

Validity: 2022-07- 30

issued on 2022-07-28

 Rain	 Wind	 Dust	 Meningitis
Very heavy $>100\text{mm}$	Very strong $>80\text{kmh}^{-1}$	Very heavy $>1000\mu\text{g m}^{-3}$	Very likely
Heavy 50-100mm	Strong $>65\text{kmh}^{-1}$	Heavy $>600\mu\text{g m}^{-3}$	Likely
Moderate 10 - 49mm	Moderate $>50\text{kmh}^{-1}$	Moderate $>400\mu\text{g m}^{-3}$	Less likely
Light 1 - 10mm	Light $<50\text{kmh}^{-1}$	Light $<200\mu\text{g m}^{-3}$	



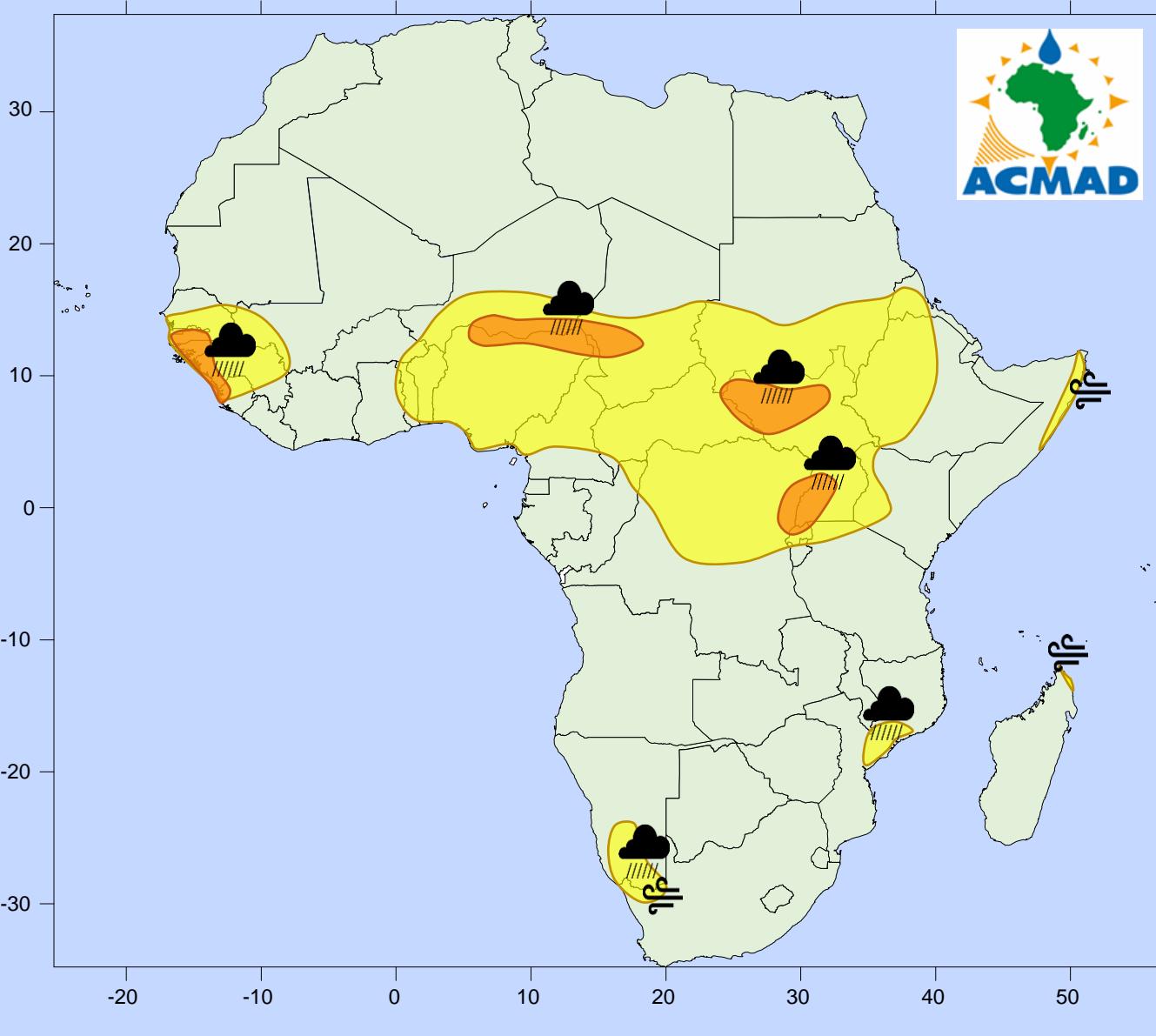


MULTI-HAZARD OUTLOOK

Validity: 2022-07-31

issued on 2022-07- 28

 Rain	 Wind	 Dust	 Meningitis
Very heavy $>100\text{mm}$	Very strong $>80\text{kmh}^{-1}$	Very heavy $>1000\mu\text{g m}^{-3}$	Very likely
Heavy 50-100mm	Strong $>65\text{kmh}^{-1}$	Heavy $>600\mu\text{g m}^{-3}$	Likely
Moderate 10 - 49mm	Moderate $>50\text{kmh}^{-1}$	Moderate $>400\mu\text{g m}^{-3}$	Less likely
Light 1 - 10mm	Light $<50\text{kmh}^{-1}$	Light $<200\mu\text{g m}^{-3}$	



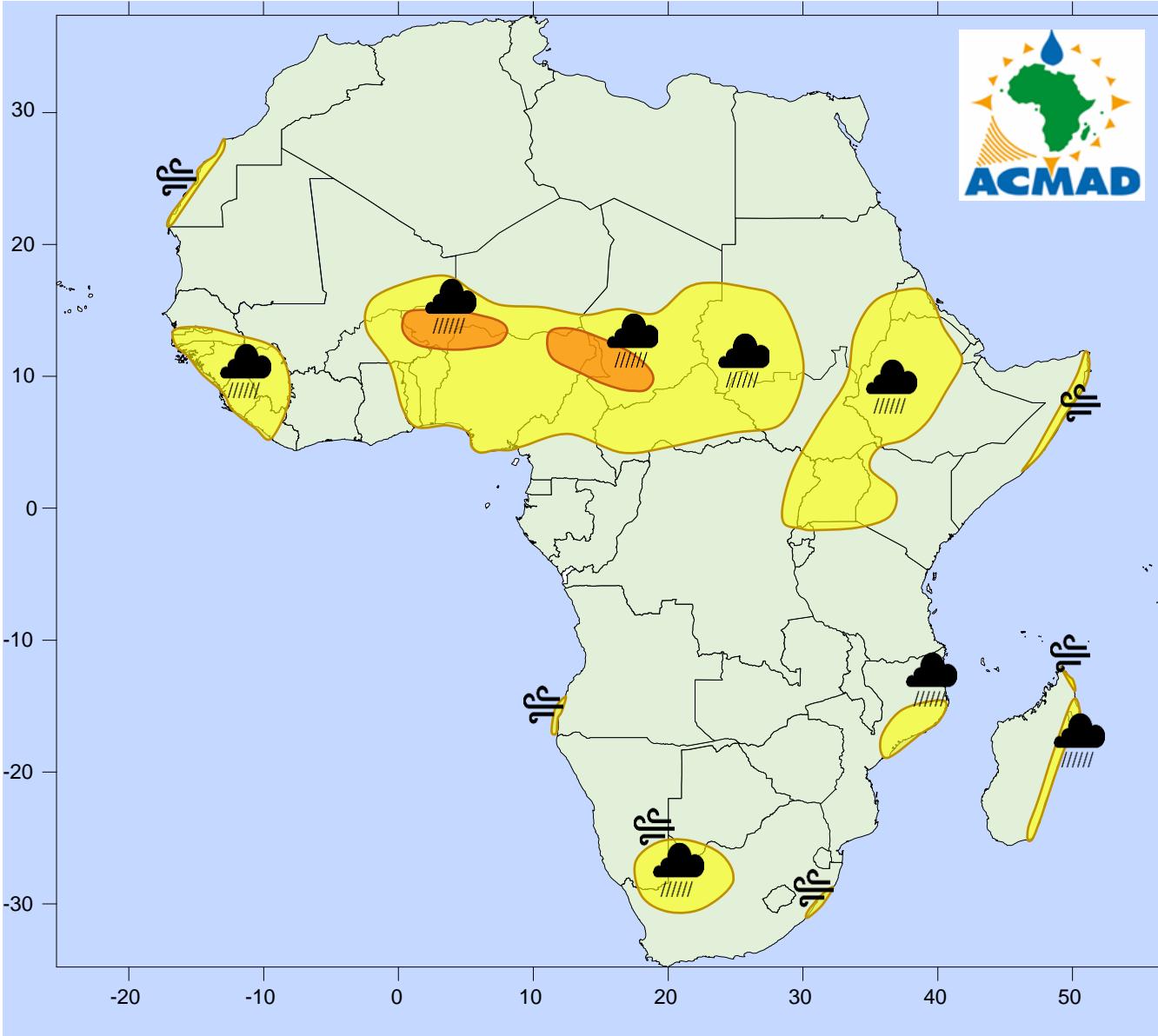
MULTI-HAZARD OUTLOOK

Validity: 2022-08-01

issued on 2022-07- 28

 Rain	 Wind	 Dust	 Meningitis
Very heavy $>100\text{mm}$	Very strong $>80\text{kmh}^{-1}$	Very heavy $>1000\mu\text{g m}^{-3}$	Very likely
Heavy 50-100mm	Strong $>65\text{kmh}^{-1}$	Heavy $>600\mu\text{g m}^{-3}$	Likely
Moderate 10 - 49mm	Moderate $>50\text{kmh}^{-1}$	Moderate $>400\mu\text{g m}^{-3}$	Less likely
Light 1 - 10mm	Light $<50\text{kmh}^{-1}$	Light $<200\mu\text{g m}^{-3}$	





MULTI-HAZARD OUTLOOK

Validity: 2022-08-02

issued on 2022-07- 28

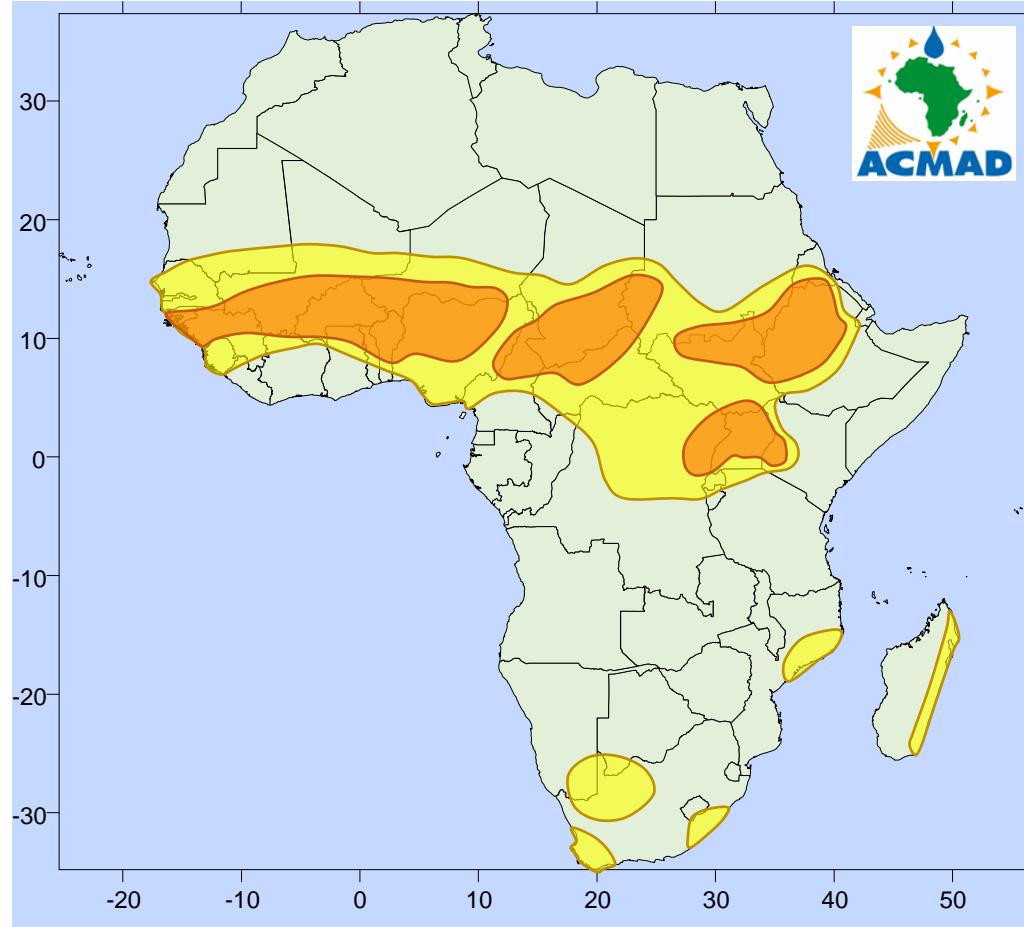
 Rain	 Wind	 Dust	 Meningitis
Very heavy $>100\text{mm}$	Very strong $>80\text{kmh}^{-1}$	Very heavy $>1000\mu\text{g m}^{-3}$	Very likely
Heavy 50-100mm	Strong $>65\text{kmh}^{-1}$	Heavy $>600\mu\text{g m}^{-3}$	Likely
Moderate 10 - 49mm	Moderate $>50\text{kmh}^{-1}$	Moderate $>400\mu\text{g m}^{-3}$	Less likely
Light 1 - 10mm	Light $<50\text{kmh}^{-1}$	Light $<200\mu\text{g m}^{-3}$	



Valid From July 29 to August 2, 2022

Issued on July 28, 2022

HIGHLIGHT: Heavy rainfall is expected over Guinea, Mali, Burkina Faso, Northern (Ghana, Togo, Benin), Niger, Nigeria, Cameroon, Chad, Sudan, South Sudan, Ethiopia, DRC, Uganda and Kenya



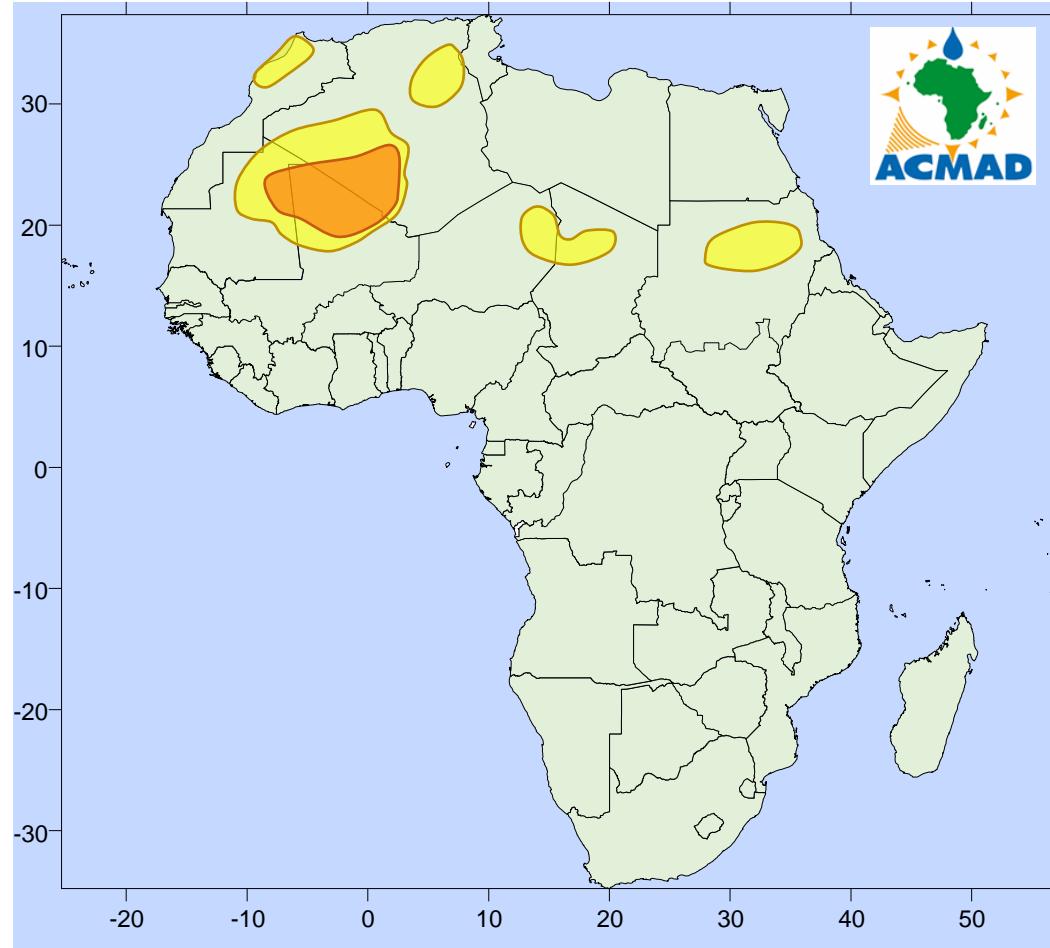
	Phenomenon	Hazard	Potentials Impacts	Measures / Advices
	In next 5 days accumulated rainfall (50-100mm) is likely,	Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and lightning likely	Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (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.

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.

Valid From July 29 to August 2, 2022

Issued on July 28, 2022

HIGHLIGHT: Moderate heat wave is likely expected over Mauritania, Mali and Algeria



	Phenomenon	Hazard	Potentials Impacts	Measures / Advices
Yellow	In next 5 days apparent temperature $>40^{\circ}\text{C}$ 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)	Avoid heat exposure Wear lightweight, light colored, Cover your head(use a cloth, hat or umbrella)
Orange	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	Avoid heat exposure Keep cool Avoid dehydration Drink sufficient water even if not thirsty to keep yourself hydrated
Red	Apparent temperatures $>45^{\circ}\text{C}$ 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	Extreme care needed for vulnerable people

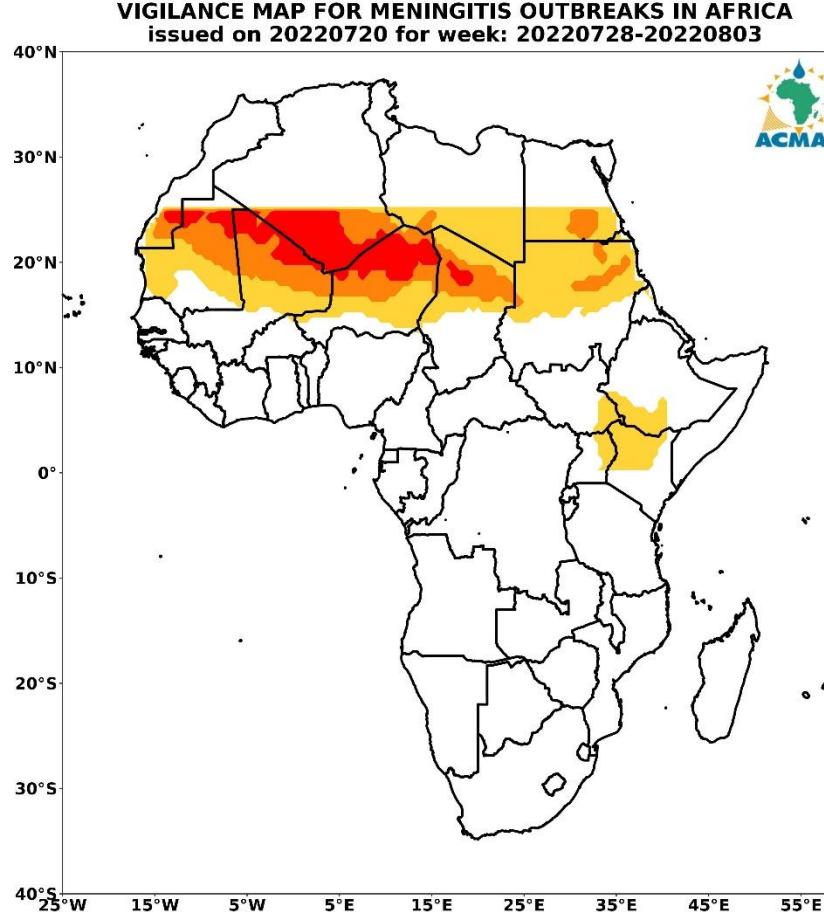
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Valid From July 28 to August 3, 2022

Issued on July 20, 2022

HIGHLIGHT: Meningitis cases very likely with possibility of an epidemic status in Morocco, Mauritania, Mali, Algeria, Niger and Chad.



Phenomenon	Hazard	Potentials Impacts	Advisory / Measures
<ul style="list-style-type: none"> - Dust concentration below 150µg/m³ - 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 400µg/m³ - 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 400µg/m³ 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

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



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