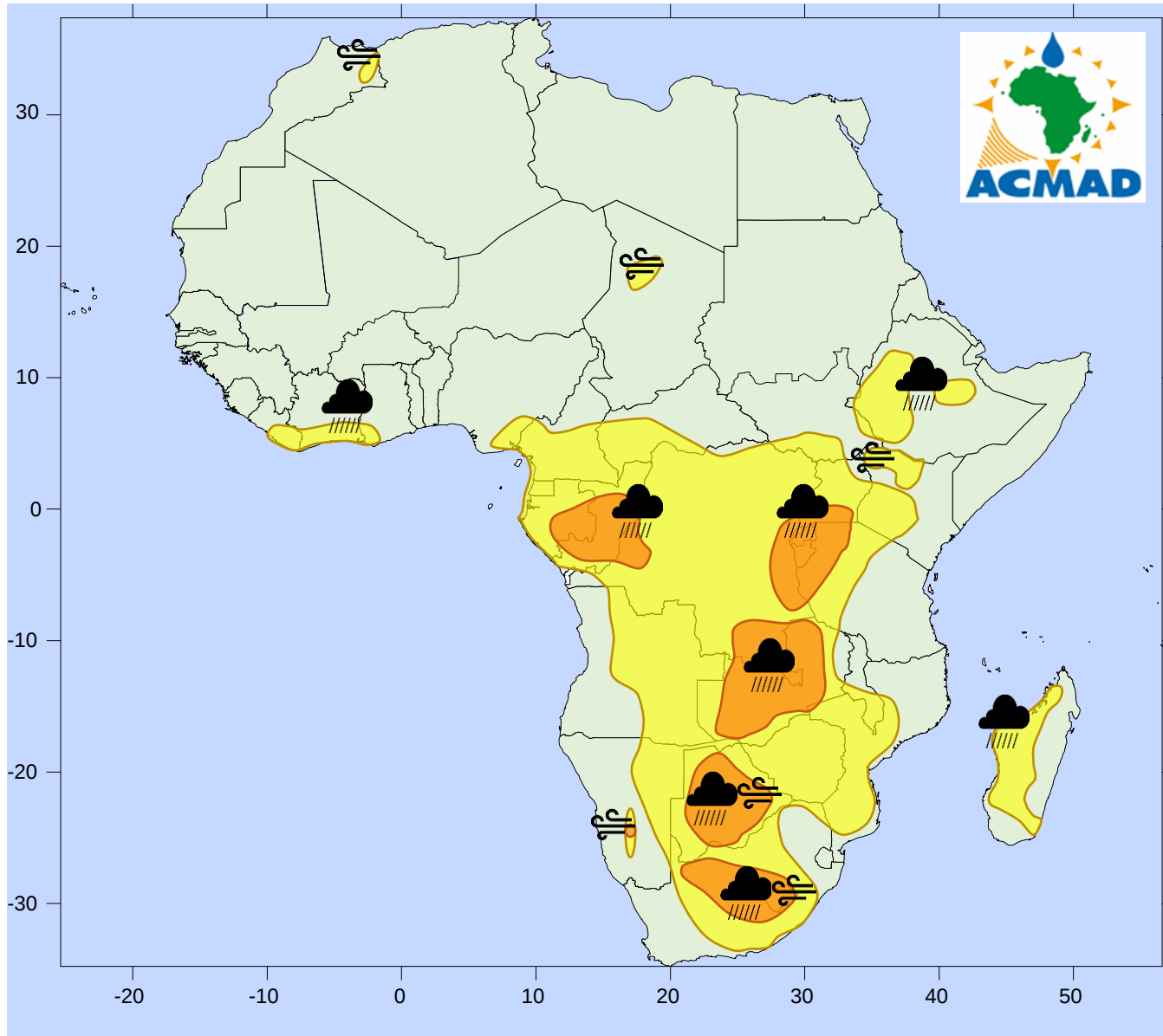


African Centre of Meteorological Applications for Development (ACMAD)

Continental Multi-Hazard & Advisory Bulletin



Issued on: November 10th, 2022
Validity period: November 11th to 15th, 2022



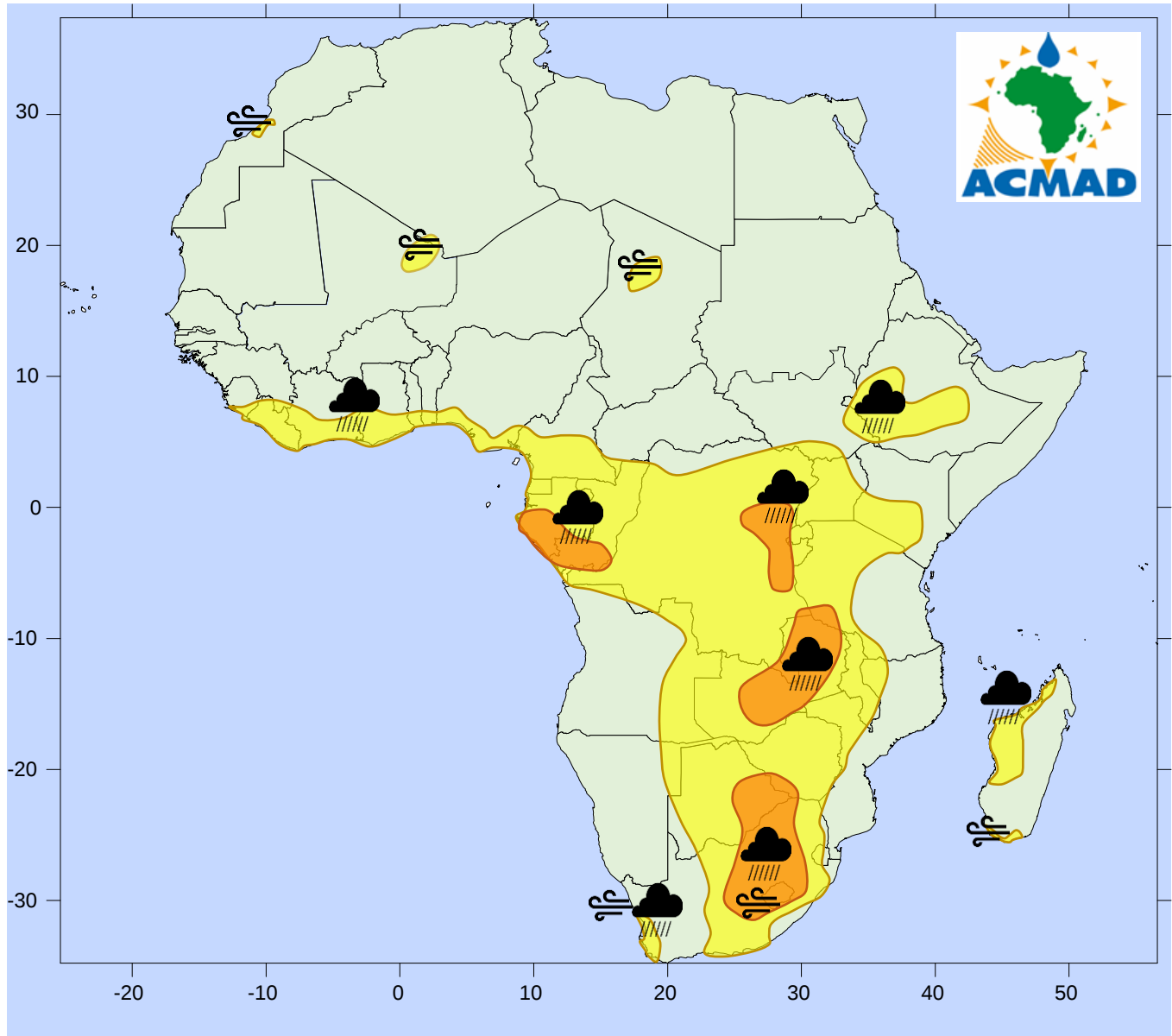
MULTI-HAZARD OUTLOOK

Validity: 2022-11-11

issued on 2022-11-10

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





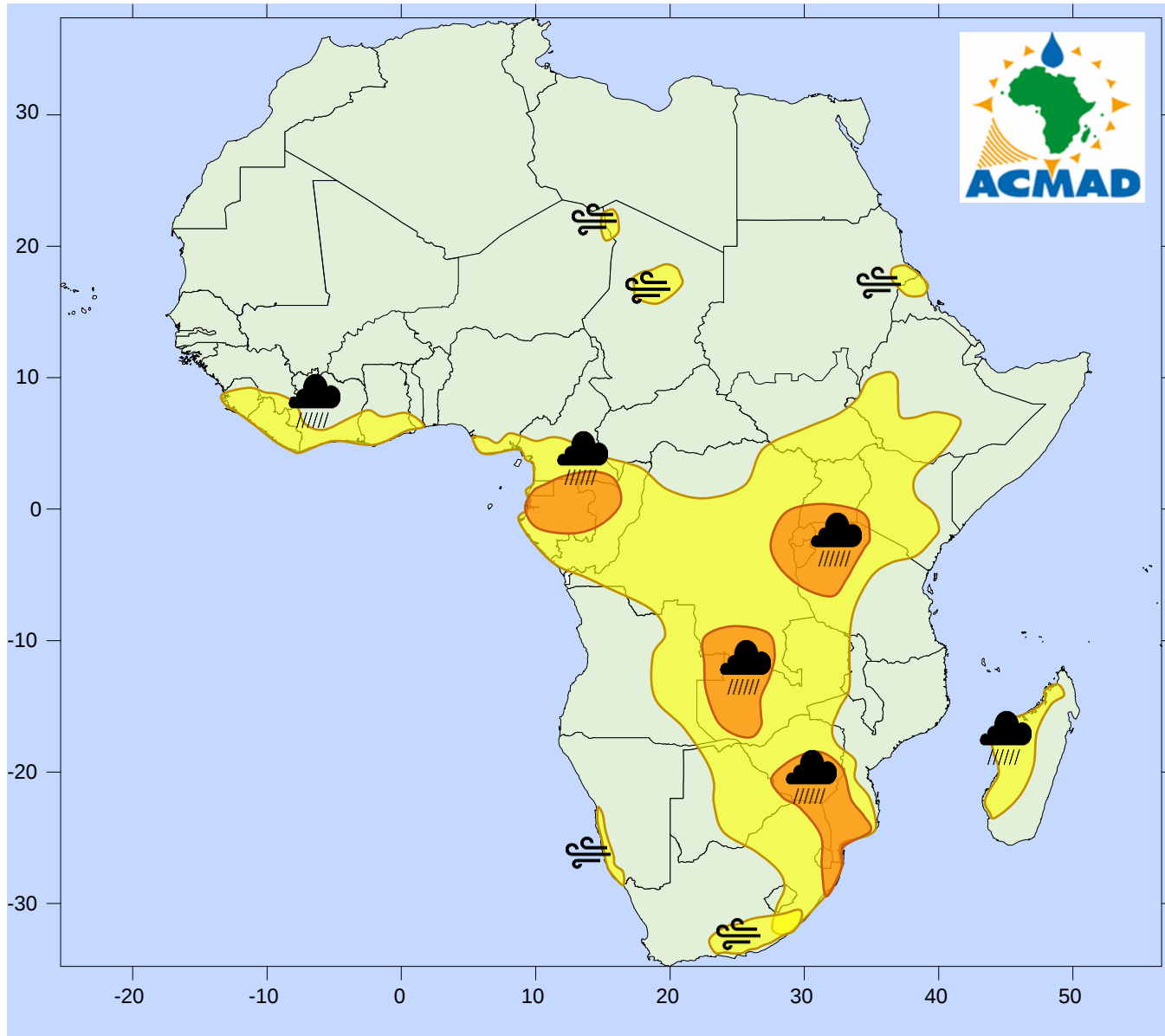
MULTI-HAZARD OUTLOOK

Validity: 2022-11-12

issued on 2022-11-10

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





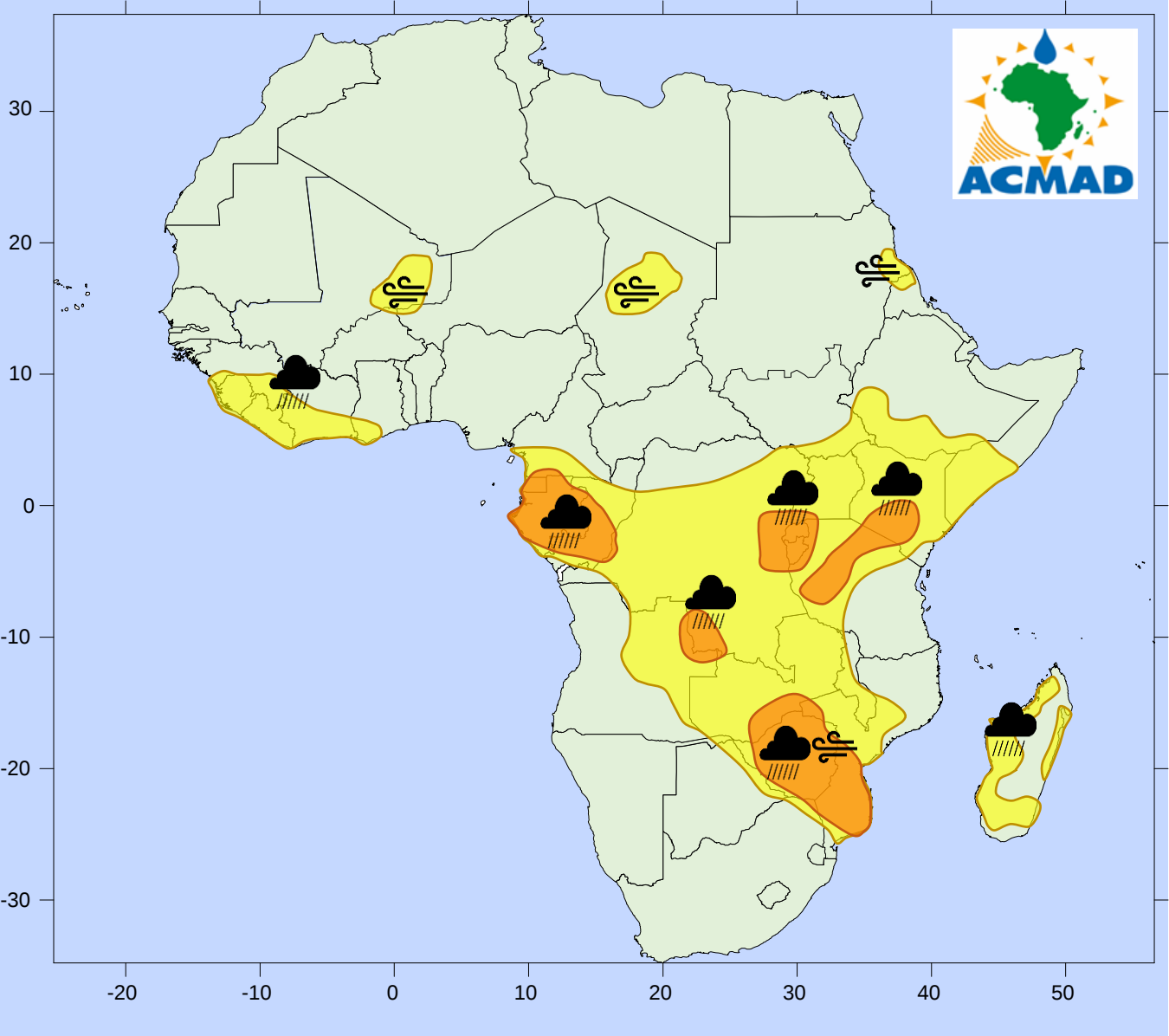
MULTI-HAZARD OUTLOOK

Validity: 2022-11-13

issued on 2022-11-10

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





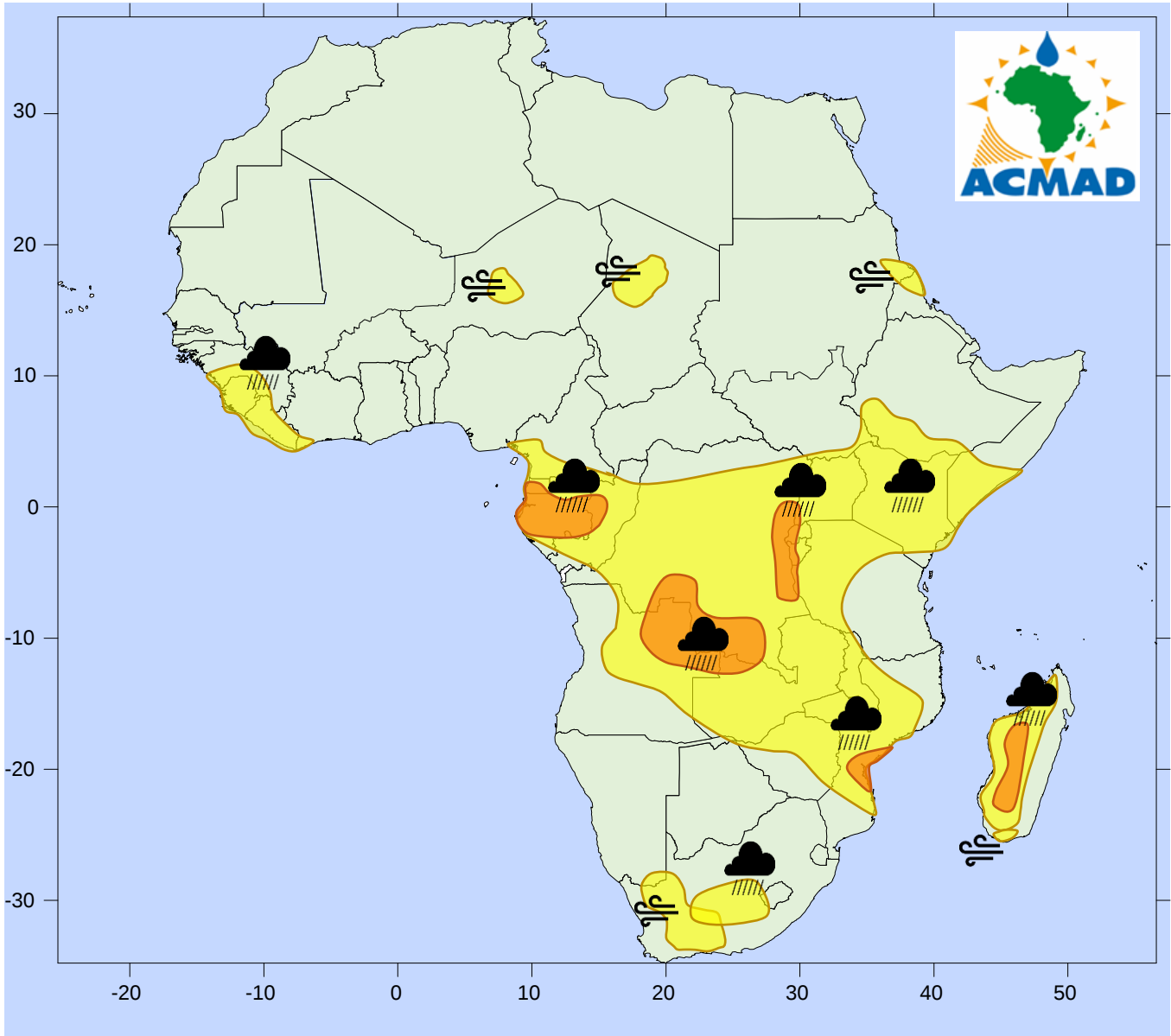
MULTI-HAZARD OUTLOOK

Validity: 2022-11-14

issued on 2022-11-10

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





MULTI-HAZARD OUTLOOK

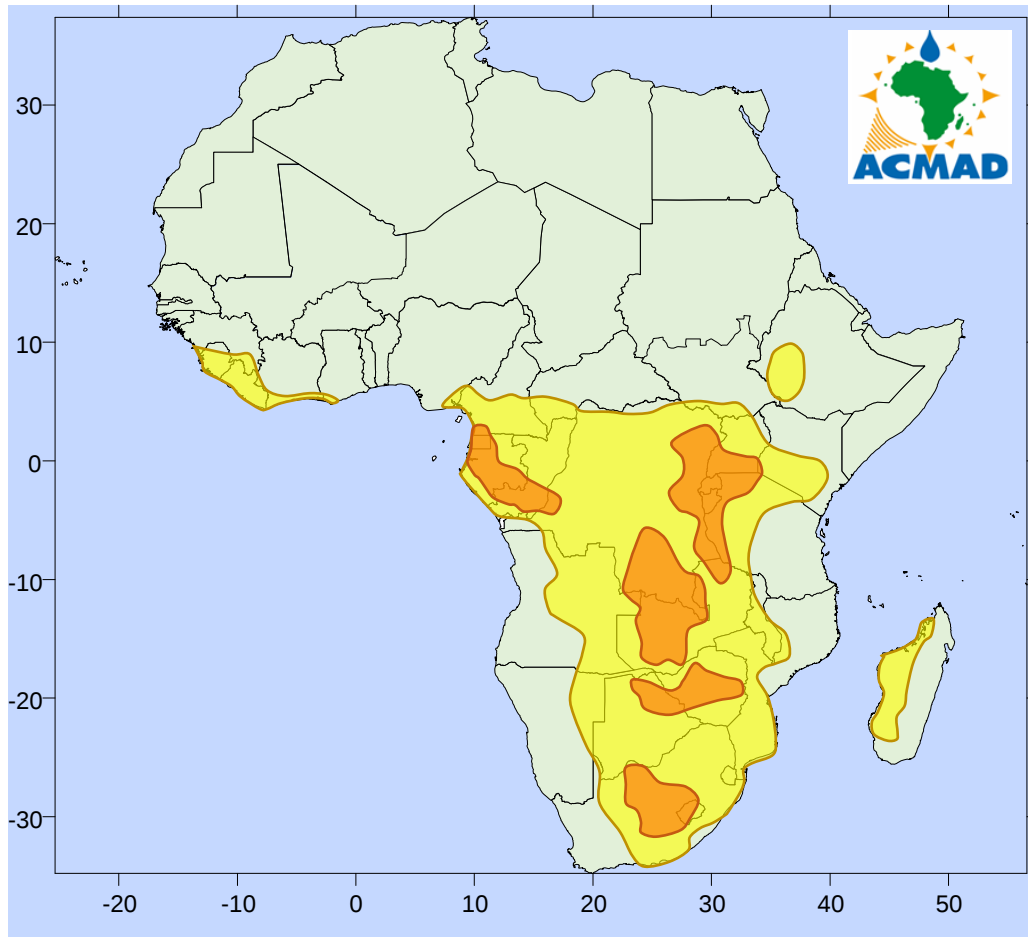
Validity: 2022-11-15

issued on 2022-11-10

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



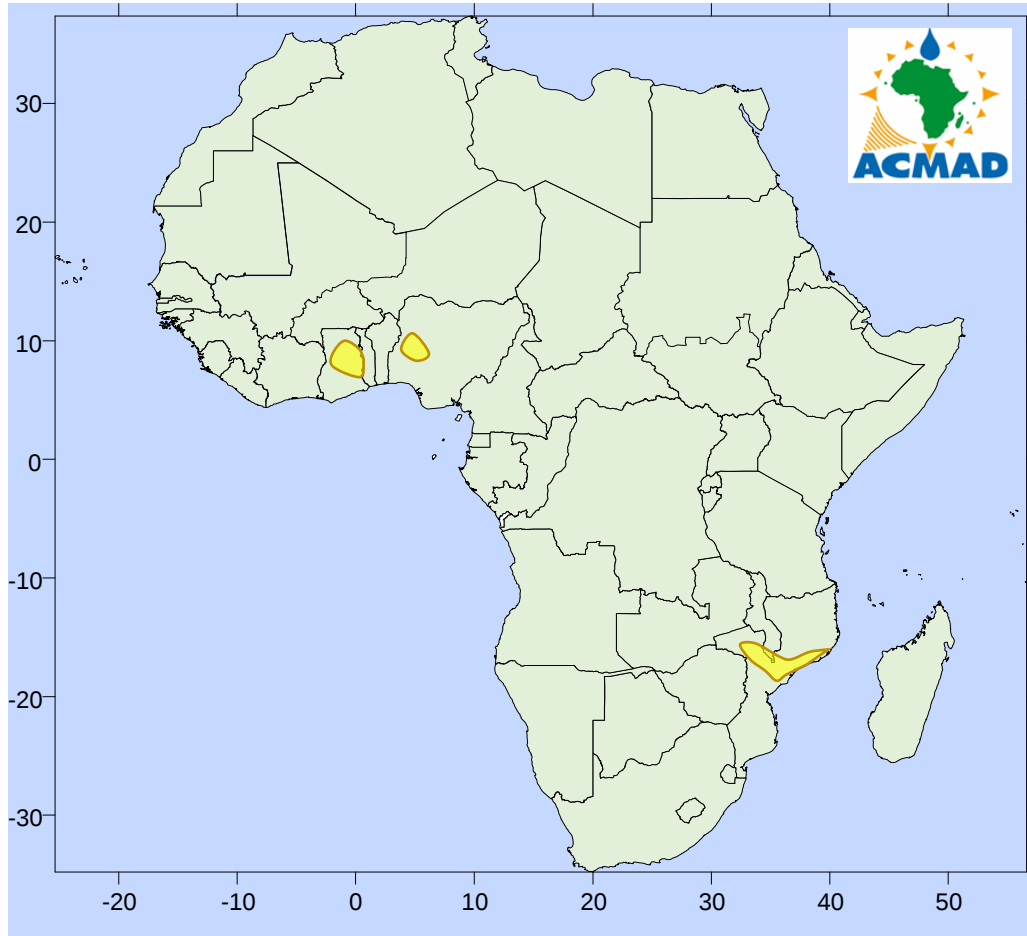
HIGHLIGHT: Heavy rainfall is expected over Cameroon, Equatorial Guinea, Gabon, Congo, DRC, Uganda, Rwanda, Burundi, Tanzania, Zambia, Zimbabwe, Botswana, Lesotho and South Africa



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.

	Phenomenon	Hazard	Potentials Impacts	DRM 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, ...)	Civil Protection and DRM services in west, central, East, South of Africa and Madagascar to monitor closely the situation 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, ...)	Civil Protection and DRM services in Cameroon (Littoral and southern part), Equatorial Guinea, Gabon, Congo (Southern part), DRC (Western, north eastern and southern part), Uganda (Southern part), Rwanda, Burundi, Tanzania (Western part), Zambia (Western part), Zimbabwe (Central part), Botswana (North eastern part), Lesotho and South Africa (Central part) to update Flood contingency plans, monitor the water level in river basin, reservoirs and dams, assess vulnerabilities and take preparedness measures.
	In next 5 days accumulated 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 services and DRM authorities to activate flood contingency plans for emergency response (assistance to victims, search & rescue operations), and be in close touch with NHMS in case the situation becomes worst.

HIGHLIGHT: Light heat wave is likely expected over Ghana, Nigeria and Mozambique



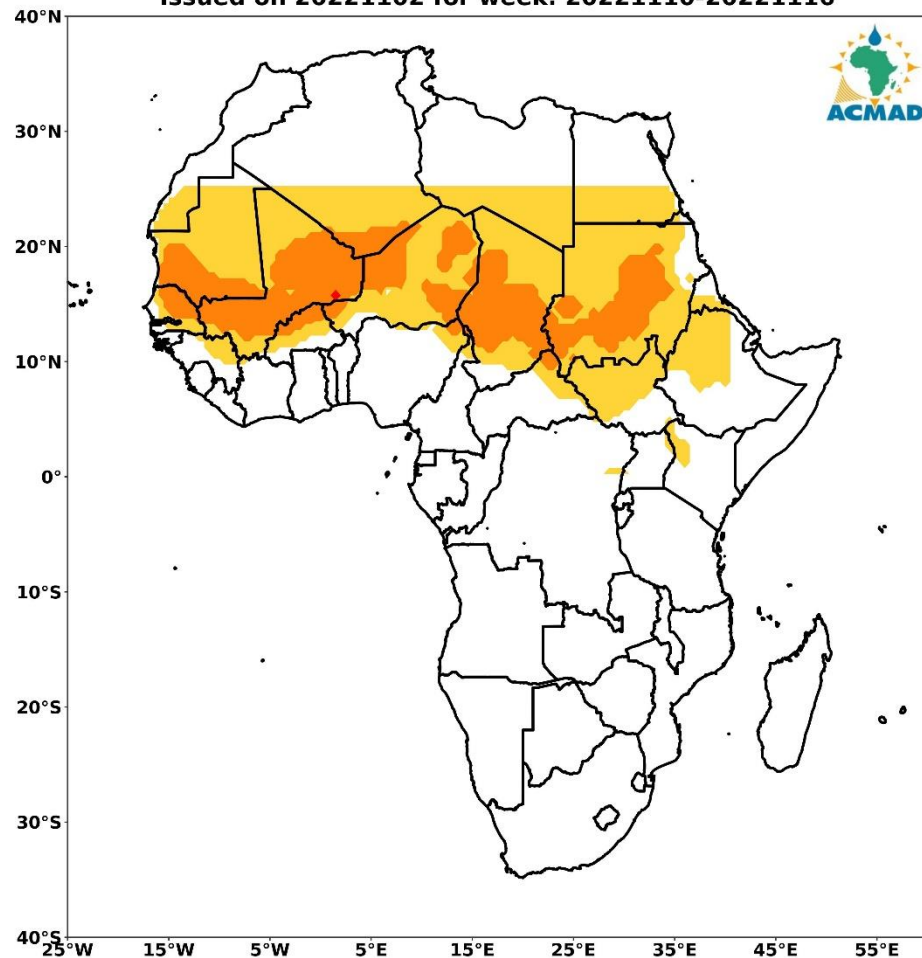
	Phenomenon	Hazard	Potentials Impacts	DRM Measures / Advices
	In next 5 days apparent temperature >40°C to 44°C are expected for two days	Heat wave Conditions persists on 2days	Moderate temperature heat is tolerable for general public but moderate health concern for vulnerable people(people chronic diseases, infants and elderly)	Civil Protection services and DRM authorities in Ghana (Central East), Nigeria (Central West) and Mozambique (Central) to monitor closely the 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	Civil Protection services and DRM authorities to update heat wave contingency plan, assess vulnerabilities, cooling systems and take awareness measures in close relation with the health services in the situation evolves negatively
	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	Civil Protection services to activate heat wave contingency plan for emergency response (Warning/alert, assist victims of physical and psychological stress, sensitize vulnerable groups to avoid heat exposure, dehydration, to keep cool, to drink sufficient water, to wear lightweight, light colored...) in case the situation becomes worst.

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HIGHLIGHT: Emergence of Meningitis cases are likely in Senegal, Mauritania, Burkina Faso, Mali, Algeria, Niger, Chad and Sudan

VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA
issued on 20221102 for week: 20221110-20221116



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	Phenomenon	Hazard	Potentials Impacts	Advisory / Measures
	- 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
	- 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
	- 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

Contributors

Name	Function	Date
Dr. Lawal Kamoru Abiodun	Thematic expert in Climate Change	10-11-2022
Godefroid Nshimirimana	Thematic expert in meteorology	10-11-2022
Leon Guy Razafindrakoto	Thematic expert in meteorology	10-11-2022
Babatunde Atoyebi	Resource Person - OJT	10-11-2022
Mohammed Kangiwa	Resource Person - OJT	10-11-2022
Sunshine Gamedze	Short Term Climate Expert	10-11-2022
Dr. Pierre Kamsu	Senior Expert Forecaster	10-11-2022
Dominique Kuitsouc	EWS expert	10-11-2022

Versions

Version	Date	By	Descriptions
V0	10-11-2022	WWFD forecasters	First draft for « Briefing », with all forecaster's contributions
Last	10-11-2022	Dr. Pierre Kamsu	Final Review



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ClimSA

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



An initiative of the Organisation of African, Caribbean
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