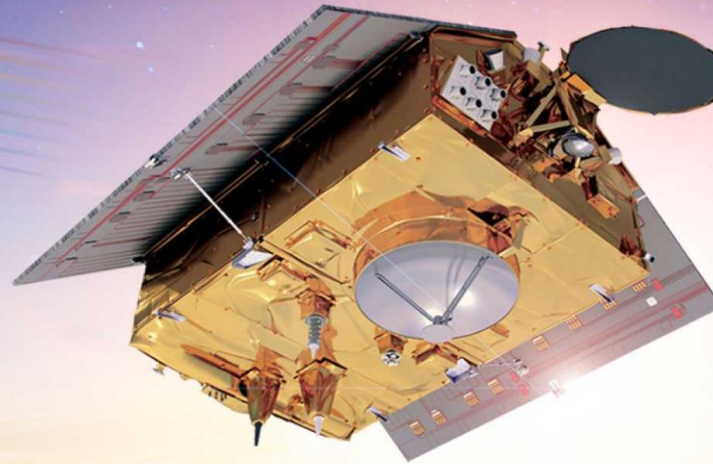


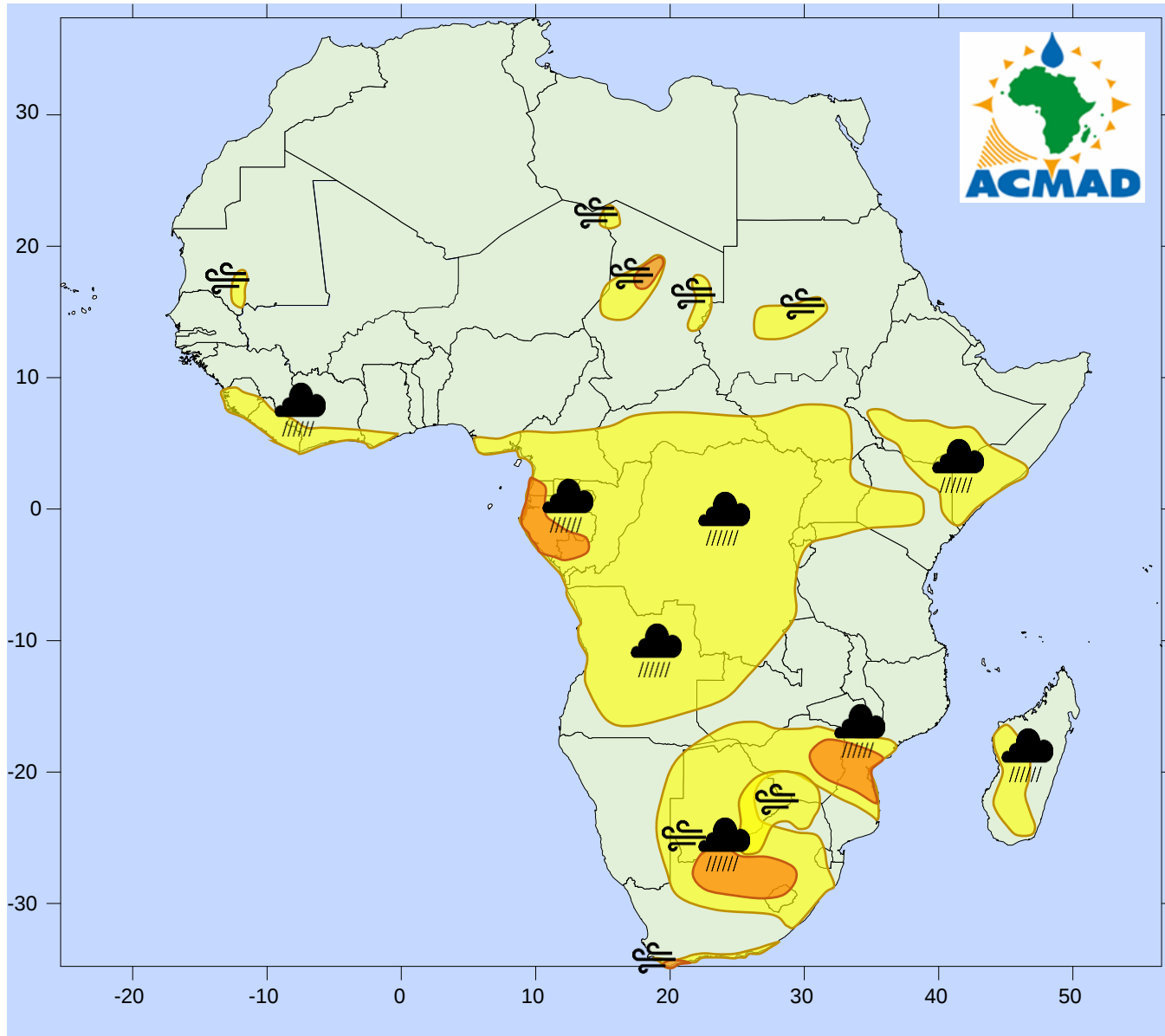
African Centre of Meteorological Applications for Development (ACMAD)

Continental Multi-Hazard & Advisory Bulletin



Issued on: October 31st, 2022

Validity period: November 1st to 5th, 2022



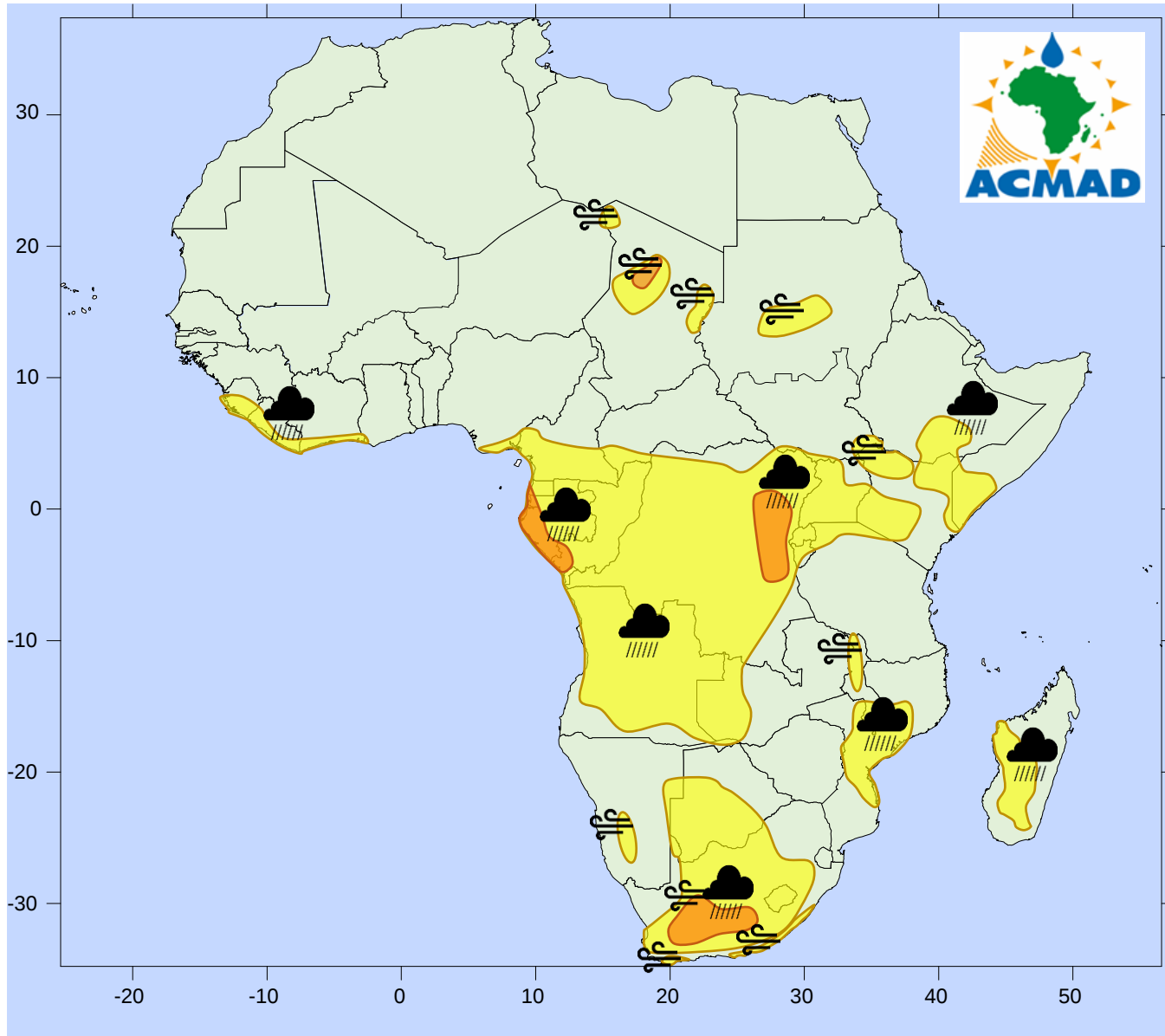
MULTI-HAZARD OUTLOOK

Validity: 2022-11-01

issued on 2022-10-31

 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	





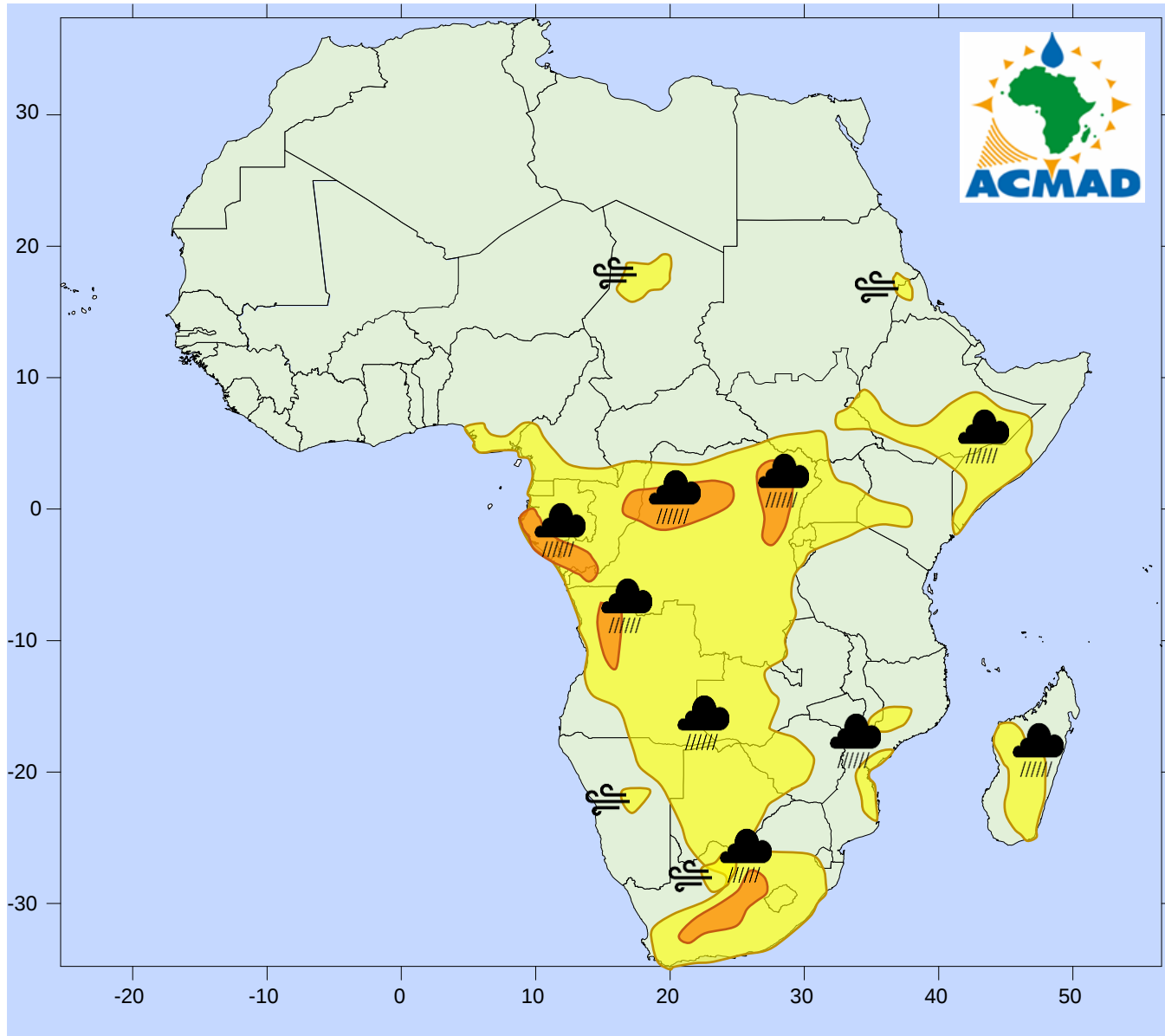
MULTI-HAZARD OUTLOOK

Validity: 2022-11-02

issued on 2022-10-31

 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	





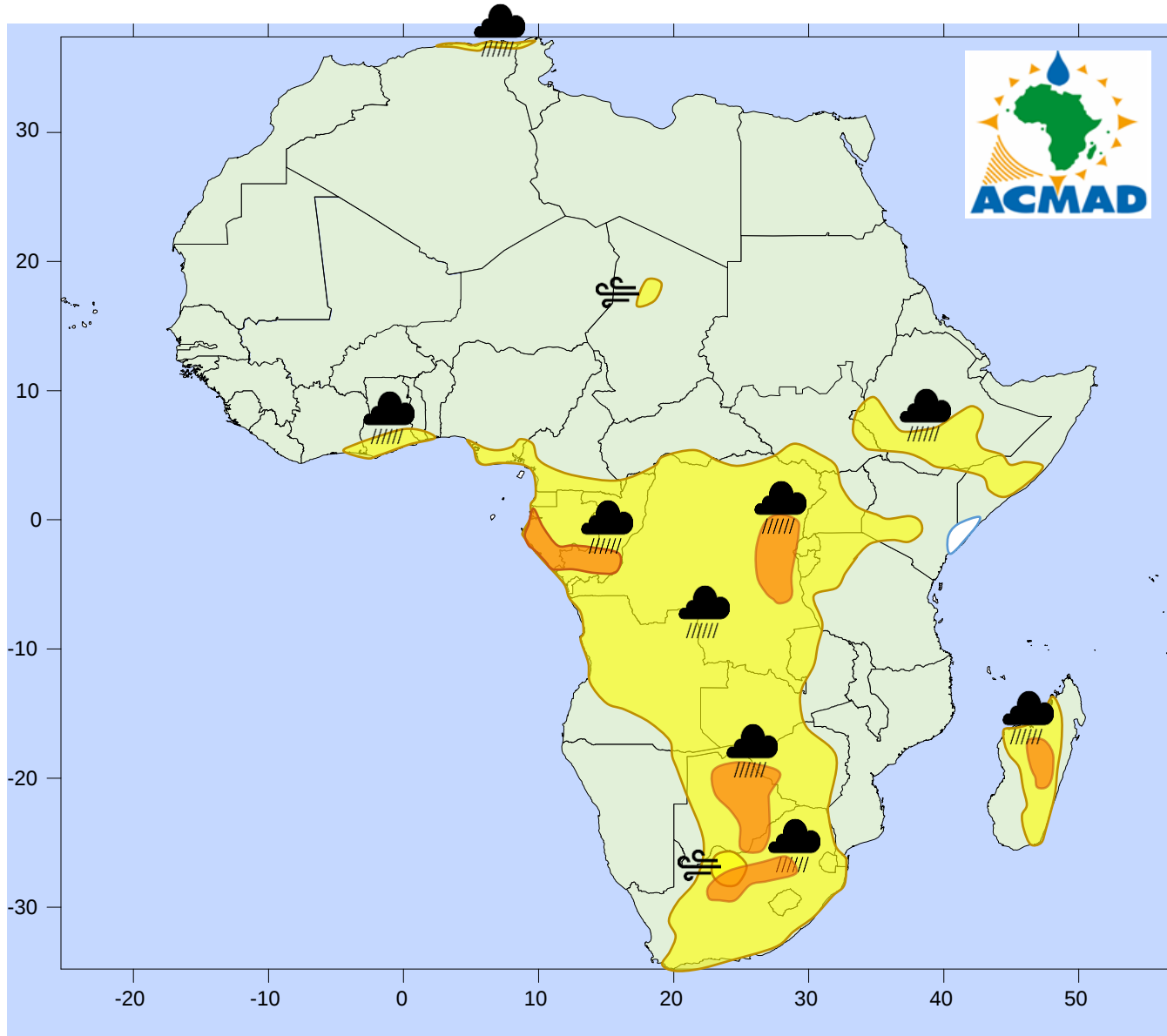
MULTI-HAZARD OUTLOOK

Validity: 2022-11-03

issued on 2022-10-31

 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	





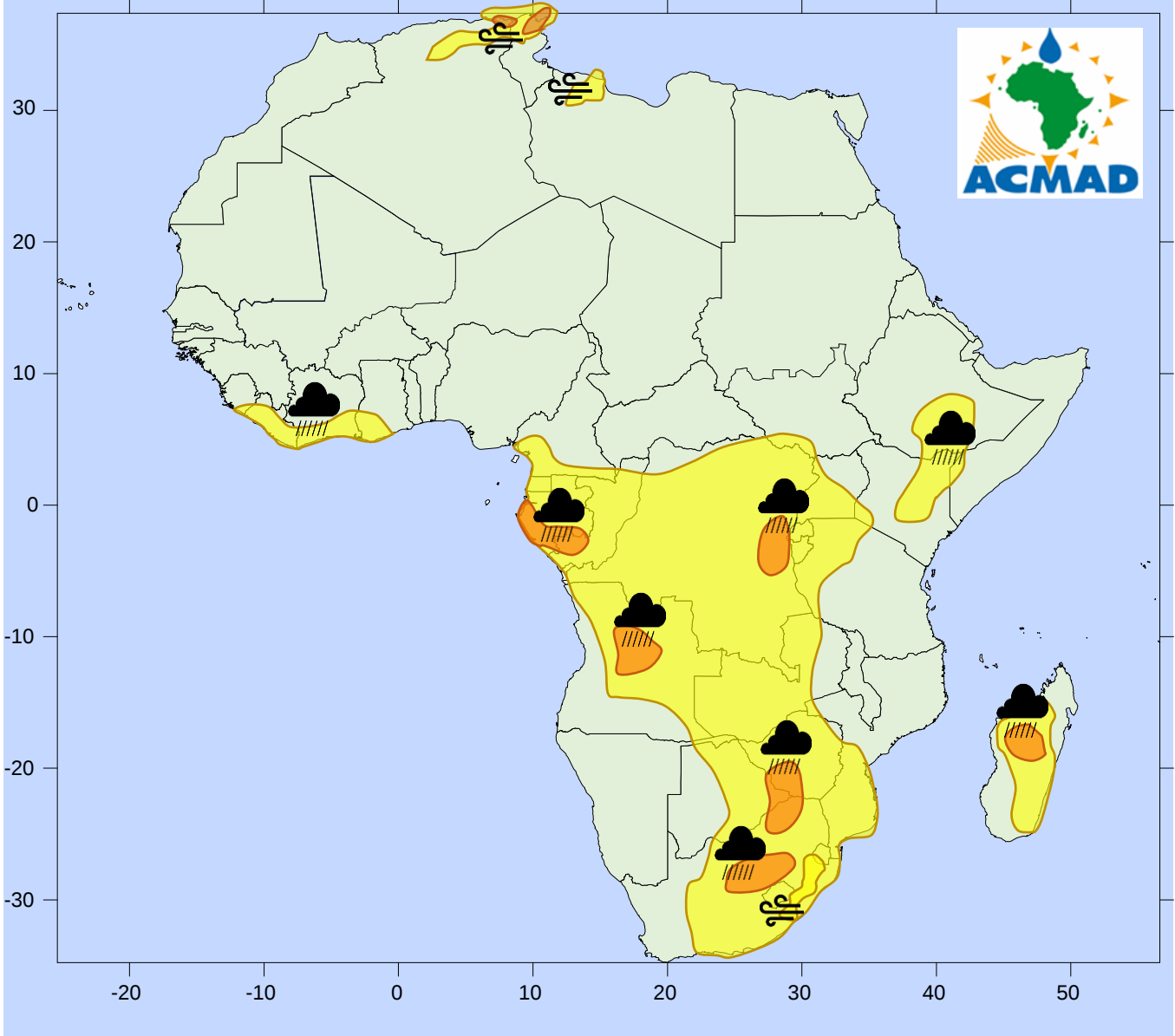
MULTI-HAZARD OUTLOOK

Validity: 2022-11-04

issued on 2022-10-31

 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

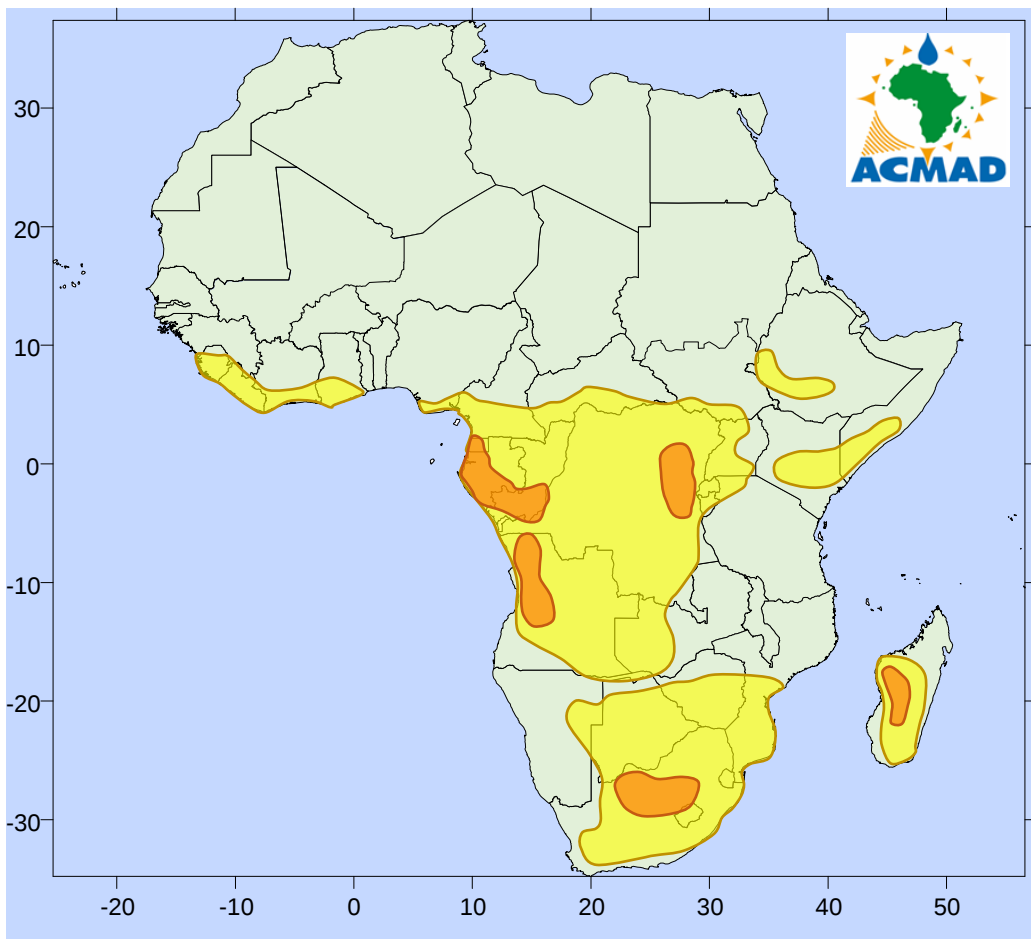
Validity: 2022-11-05

issued on 2022-10-31

 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	



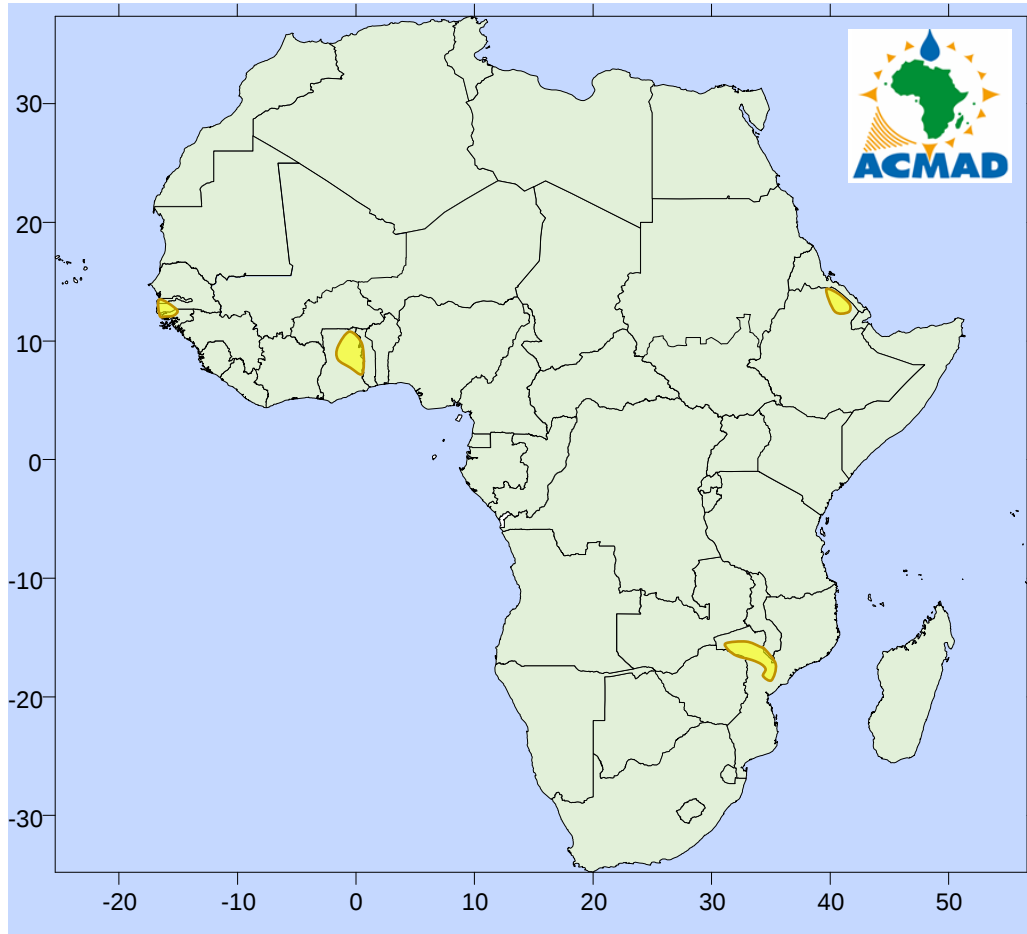
HIGHLIGHT: Heavy rainfall is expected over Equatorial Guinea, Gabon, Congo, DRC, Angola, South Africa and Madagascar



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 and East Africa 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 services in Madagascar, South Africa (Central & Western parts), Lesotho (North West), Angola (Western part), DRC (Eastern part), Congo (Southern part), Gabon (Southern part) and Equatorial Guinea to consider seriously the situation and 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 Senegal, Ghana, Ethiopia and Mozambique



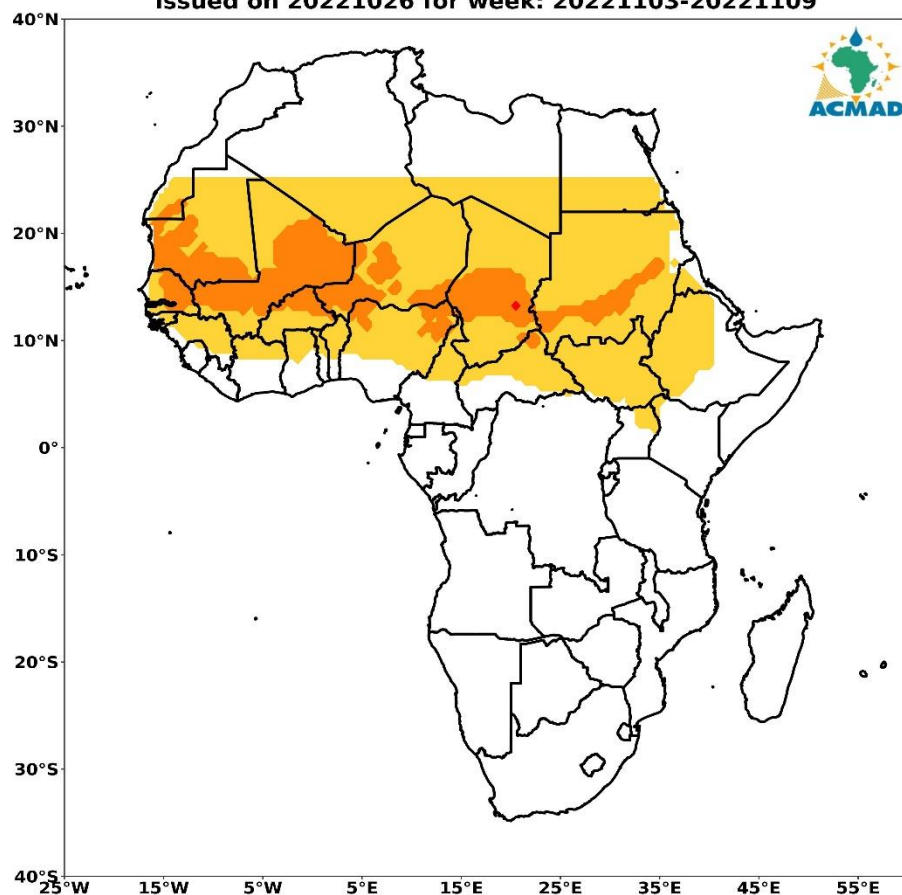
	Phenomenon	Hazard	Potentials Impacts	DRM Measures / Advices
	In next 5 days apparent temperature >40°C to 44°C are expected for two days	Heat wave Conditions persists on 2days	Moderate temperature heat is tolerable for general public but moderate health concern for vulnerable people(people chronic diseases, infants and elderly)	Civil Protection services and DRM authorities in Senegal (South West), Bissau Guinea ((North West), Ghana (North East), Ethiopia (North East) and Mozambique (East 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 case there is a negative change in the situation .
	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 and DRM 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 worsens.

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

VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA
issued on 20221026 for week: 20221103-20221109



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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

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Versions

Version	Date	By	Descriptions
V0	31-10-2022	WWFD forecasters	First draft for « Briefing », with all forecaster's contributions
Last	31-10-2022	Dr. Pierre Kamsu	Final Review



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ClimSA

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



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