



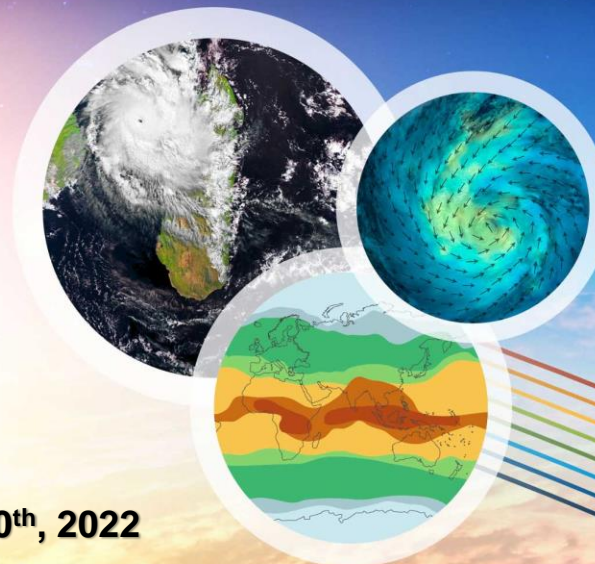
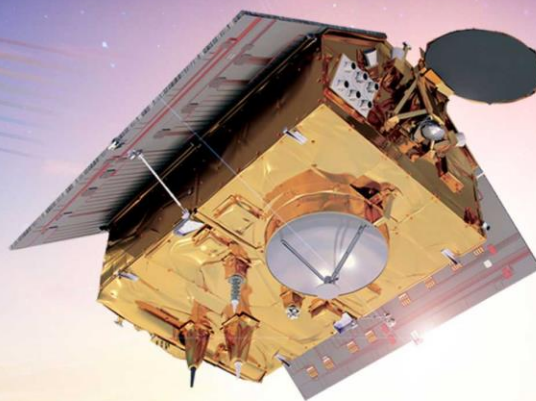
ClimSA

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



African Centre of Meteorological Applications for Development (ACMAD)

Continental Multi-Hazard & Advisory Bulletin



Issued on: March 10th, 2022

Validity period: March 11th to 15th 2022

previ@acmad.org

www.acmad.net/new/NEWSITEACMAD

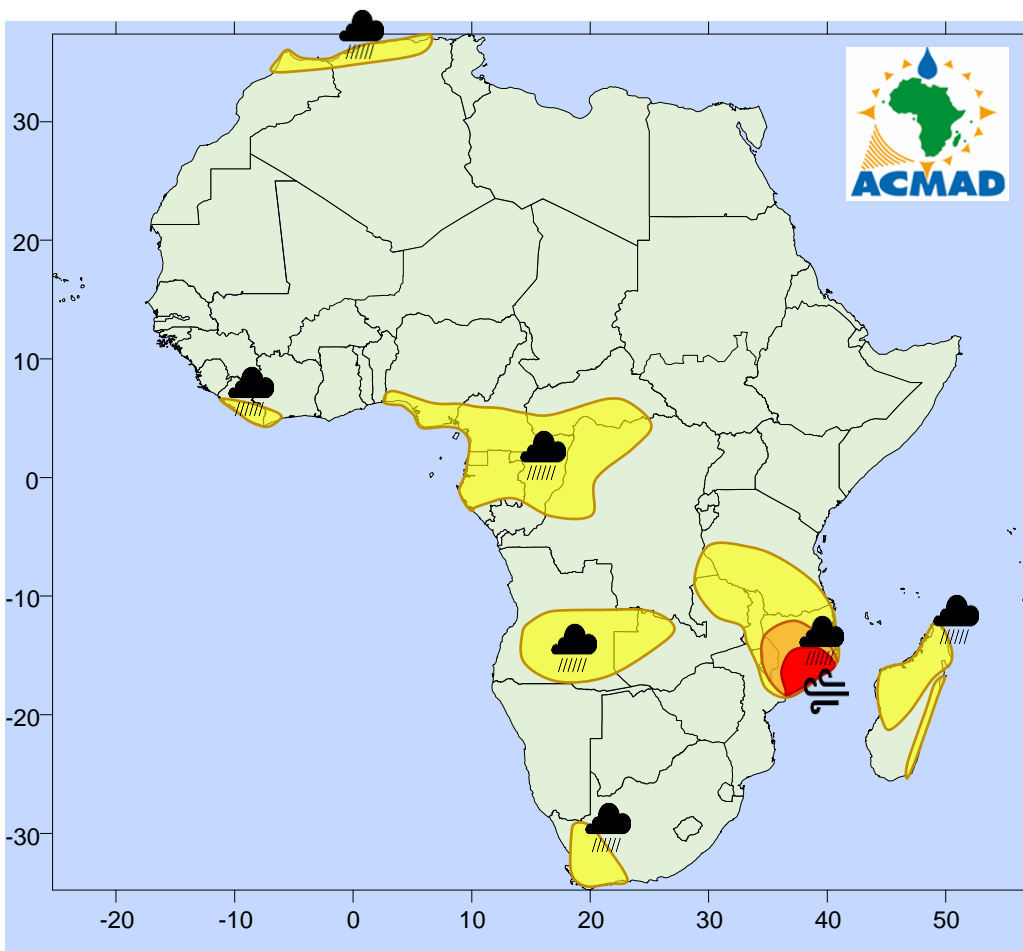
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MULTI-HAZARD OUTLOOK

Validity: 2022-03-11

issued on 2022-03-10



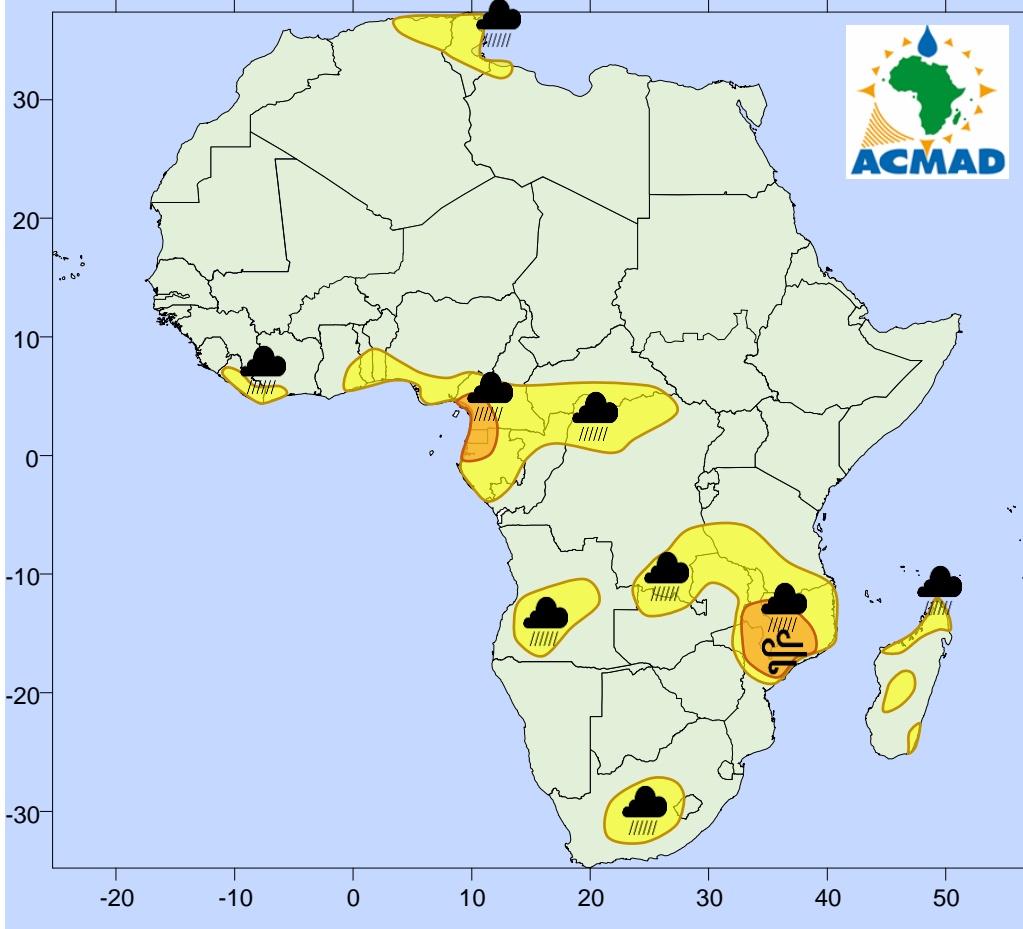
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh ⁻¹	Very heavy >1000µg m ⁻³	Very likely
Heavy 50-100mm	Strong >65kmh ⁻¹	Heavy >600µg m ⁻³	Likely
Moderate 10 - 49mm	Moderate >50kmh ⁻¹	Moderate >400µg m ⁻³	Less likely
Light 1 - 10mm	Light <50kmh ⁻¹	Light <200µg m ⁻³	







MULTI-HAZARD OUTLOOK

Validity: 2022-03-12

issued on 2022-03-10



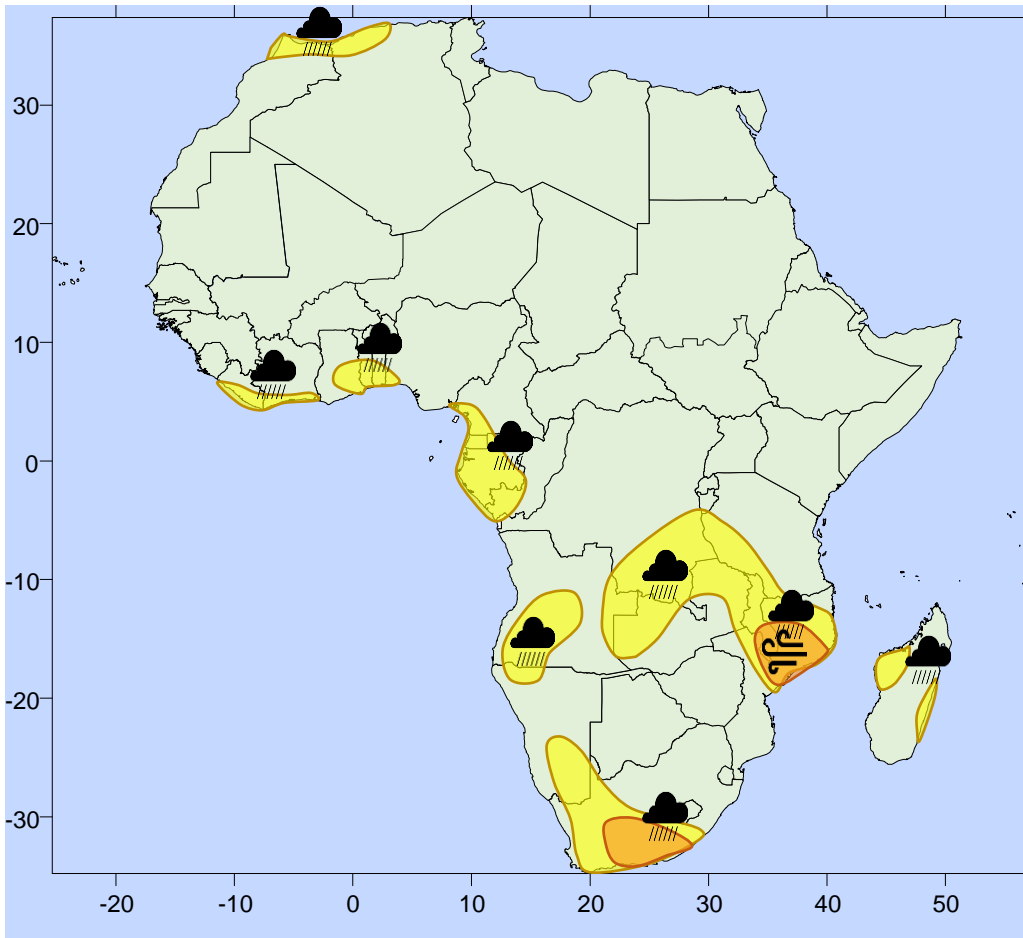
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh ⁻¹	Very heavy >1000µg m ⁻³	Very likely
Heavy 50-100mm	Strong >65kmh ⁻¹	Heavy >600µg m ⁻³	Likely
Moderate 10 - 49mm	Moderate >50kmh ⁻¹	Moderate >400µg m ⁻³	Less likely
Light 1 - 10mm	Light <50kmh ⁻¹	Light <200µg m ⁻³	







MULTI-HAZARD OUTLOOK

Validity: 2022-03-13

issued on 2022-03-10



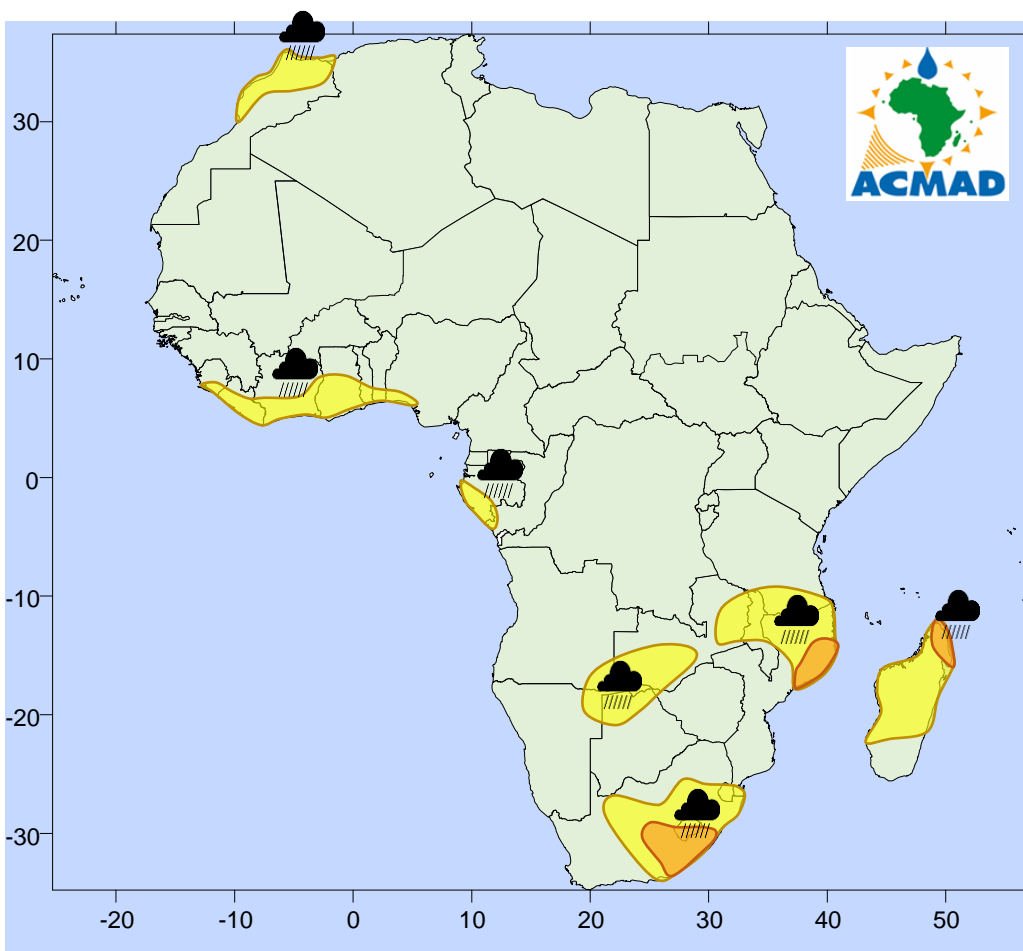
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh ⁻¹	Very heavy >1000µg m ⁻³	Very likely
Heavy 50-100mm	Strong >65kmh ⁻¹	Heavy >600µg m ⁻³	Likely
Moderate 10 - 49mm	Moderate >50kmh ⁻¹	Moderate >400µg m ⁻³	Less likely
Light 1 - 10mm	Light <50kmh ⁻¹	Light <200µg m ⁻³	







MULTI-HAZARD OUTLOOK

Validity: 2022-03-14

issued on 2022-03-10



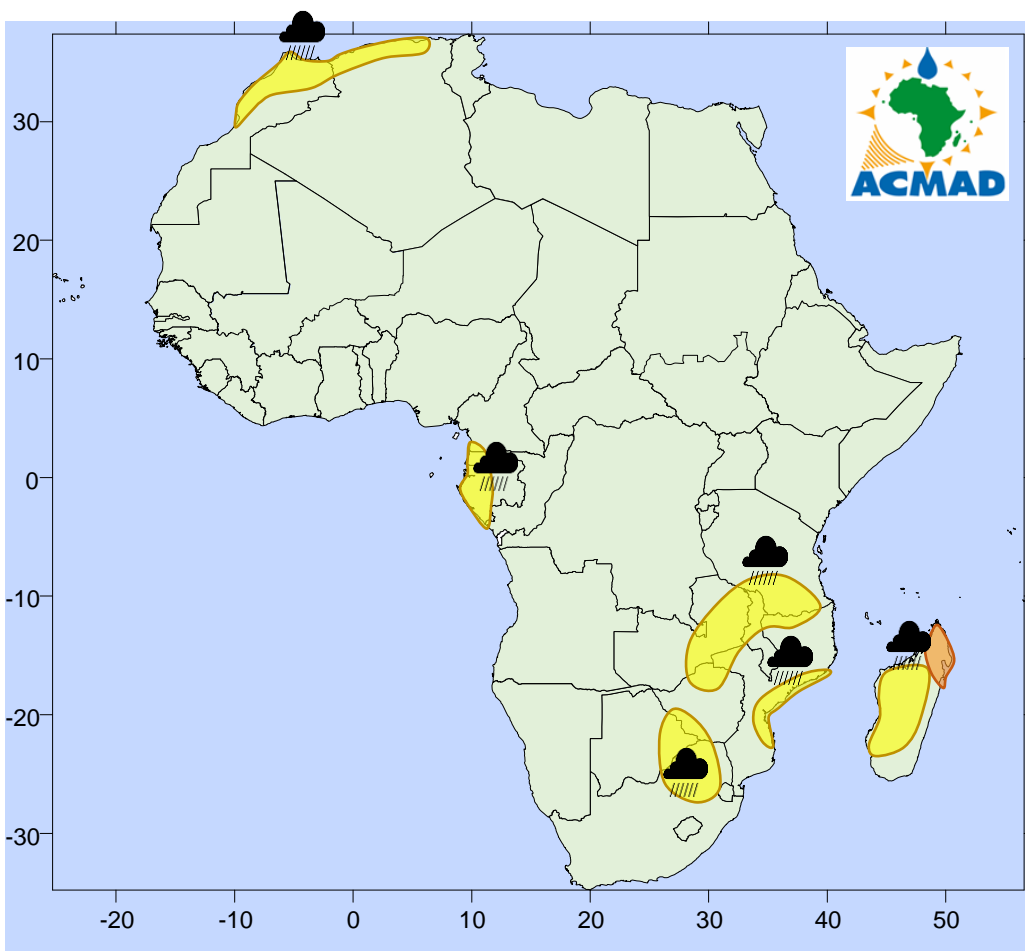
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh ⁻¹	Very heavy >1000µg m ⁻³	Very likely
Heavy 50-100mm	Strong >65kmh ⁻¹	Heavy >600µg m ⁻³	Likely
Moderate 10 - 49mm	Moderate >50kmh ⁻¹	Moderate >400µg m ⁻³	Less likely
Light 1 - 10mm	Light <50kmh ⁻¹	Light <200µg m ⁻³	







MULTI-HAZARD OUTLOOK

Validity: 2022-03-15

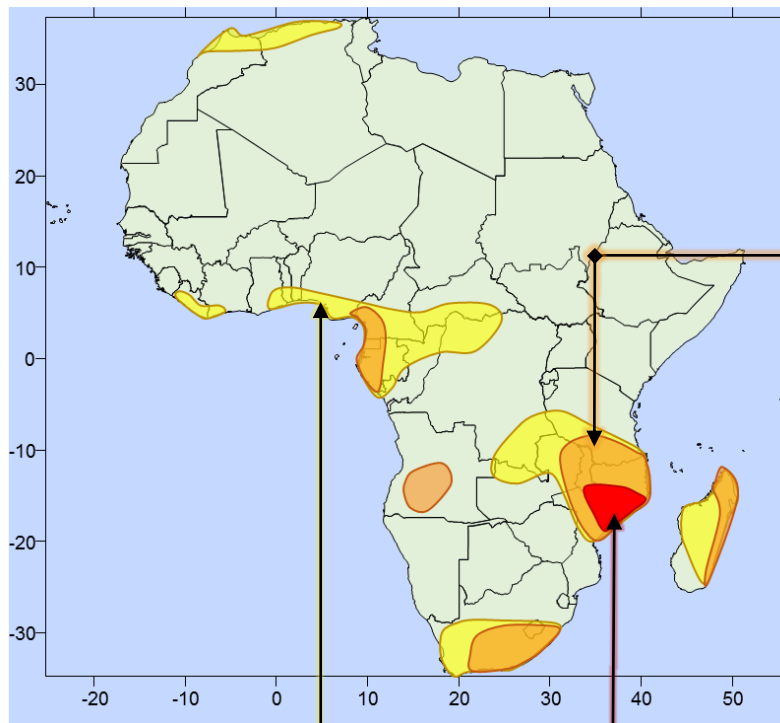
issued on 2022-03-10



 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	



VIGILANCE MAP FOR HEAVY RAINFALL AND STRONG WINDS 11 – 15 March 2022 issued on 2022-03-10



Phenomenon:

- In next 5 days accumulated rainfall is expected to be in range of 50mm to 100mm;

Hazards :

Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning likely

Potentials Impacts:

Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (roads, bridges, ...)

Measures/Advisories:

Update and implement Flood contingency plans, Improve water management in reservoirs and dams, DRM authorities to monitor the situation and raise awareness, taking action is more likely, the situation needs to be monitored closely with NHMSs

Phenomenon:

- In next 5 days accumulated rainfall is expected to be in the range of 100mm to 150mm;

Hazards :

Heavy rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning, strong winds over northern Mozambique starting on 11th of March 2022,

Potentials Impacts:

Displacements of people due to floods, outbreak of water borne diseases, damage of infrastructures (roads, bridges, ...)

Measures/Advisories:

Update and implement Flood contingency plans, Improve water management in reservoirs and dams, DRM authorities be ready to take adequate actions, DRM to be in touch with NHMSs for more details and identification of vulnerable area.

Phenomenon:

- Tropical storm Gombe is expected to make landfall on northern Mozambique on March 11th, 2022;

Hazards :

- Tropical Storm, Extreme precipitations, flash flood, strong winds, landslides, Lightning

Potentials Impacts:

- Loss of lives, displacements of people due to floods, damage to infrastructures (roads, bridges, ...), outbreak of water borne diseases.

Measures/Advisories:

- Activate Cyclone and flash flood Contingency plan, DRM authorities be ready to take adequate actions and close monitoring of the system by NMHS of Mozambique



VIGILANCE MAP FOR MENINGITIS OUTBREAK

11 – 15 March 2022

Issued on 2022-03-10



Phenomenon:

- Dust concentration between 150 to 400 $\mu\text{g}/\text{m}^3$
- Relative humidity between 20 & 40%
- Temperature above 27°C

Hazards :

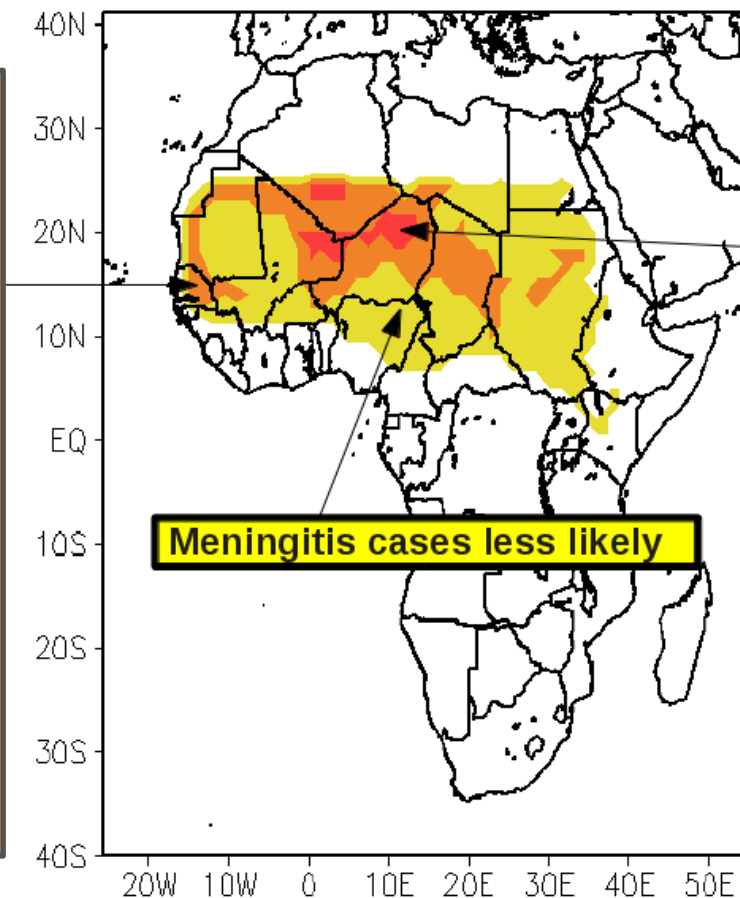
Emergence of Meningitis cases very likely

Potentials Impacts:

Loss of life, pressure on the health system

Measures/Advisories:

Activation of surveillance systems at regional and national levels



Phenomenon:

- Dust Concentration at least 400 $\mu\text{g}/\text{m}^3$ and above
- Relative humidity less than 20%
- Temperature above 30°C

Hazards :

Emergence of Meningitis cases very likely and epidemic status possible

Potentials Impacts:

Loss of life, increased pressure on the health system

Measures/Advisories:

Strengthen meningitis surveillance systems at both regional and national levels



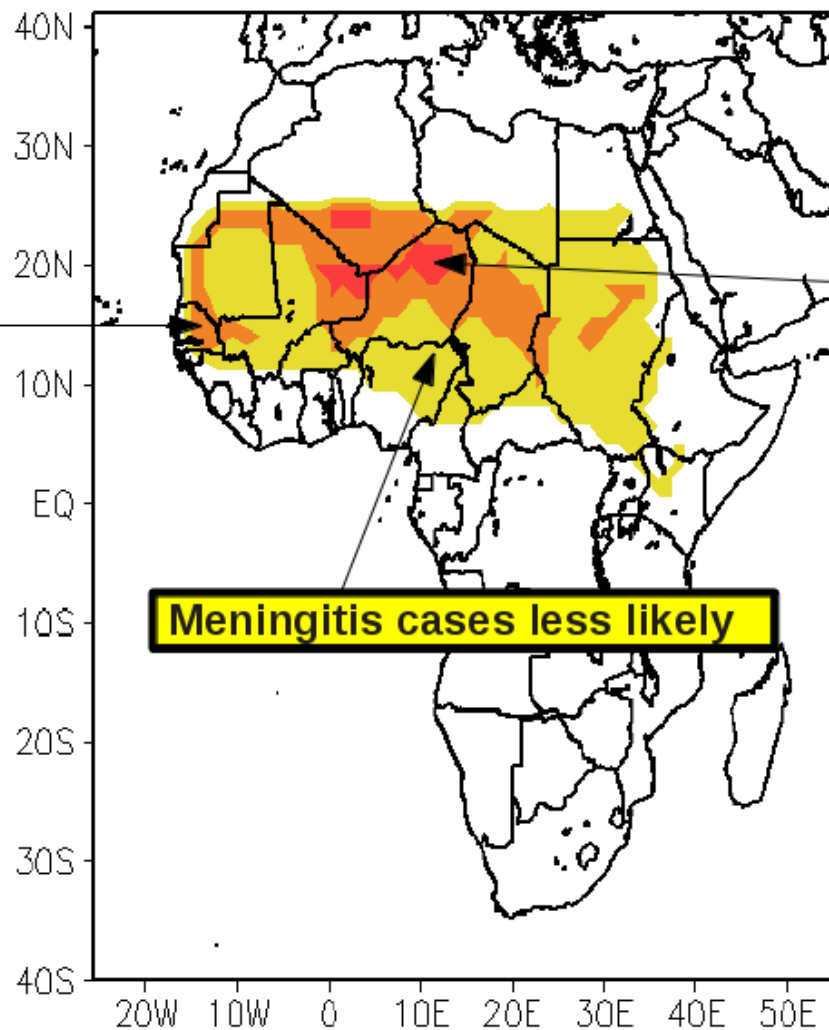
VIGILANCE MAP FOR EMERGENCE OF MENINGITIS IN AFRICA
ISSUED ON MARCH 7, 2022 for 14 - 20 MARCH 2022



HAZARD
Dust, wind, relative humidity and temperature conditions are favorable for emergence of meningitis cases

Meningitis cases very likely

MEASURES
Activation of meningitis surveillance and systems



HAZARD
Dust, wind and relative humidity and temperature conditions are very much favorable for emergence of meningitis

POTENTIAL IMPACTS
Meningitis cases very likely and epidemics status possible

MEASURES
Strengthen meningitis surveillance and systems