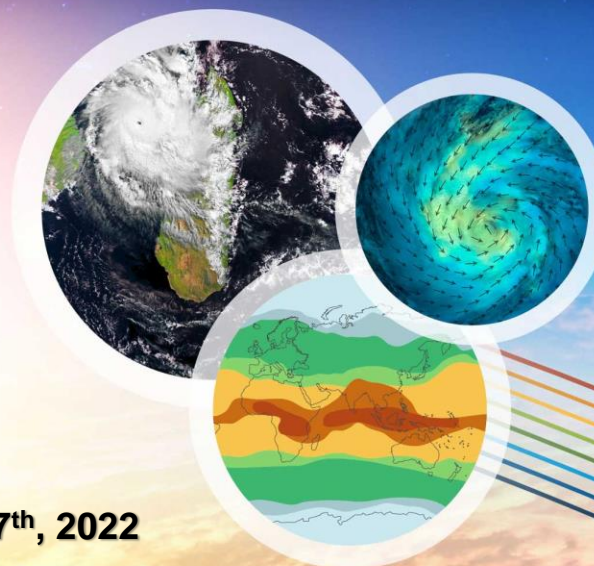
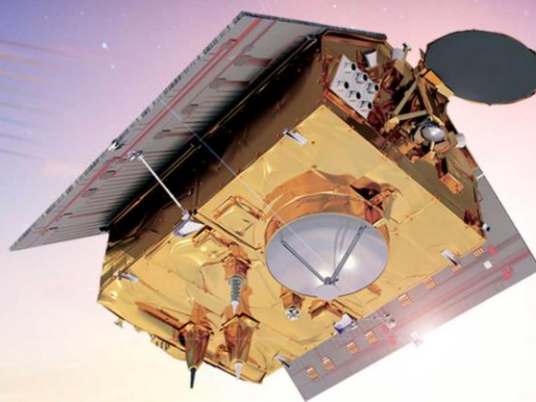


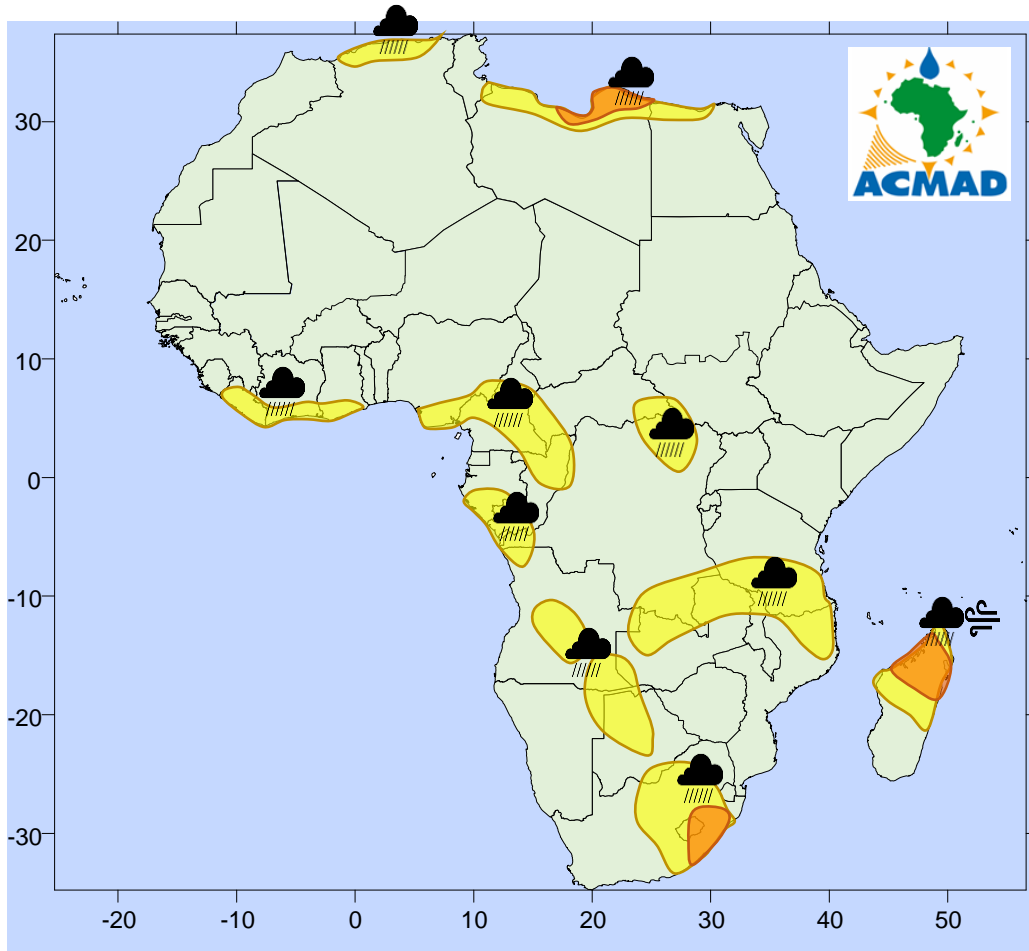
# African Centre of Meteorological Applications for Development (ACMAD)

## Continental Multi-Hazard & Advisory Bulletin



**Issued on: March 7<sup>th</sup>, 2022**





**Validity period: March 8<sup>th</sup> to 12<sup>th</sup> 2022**



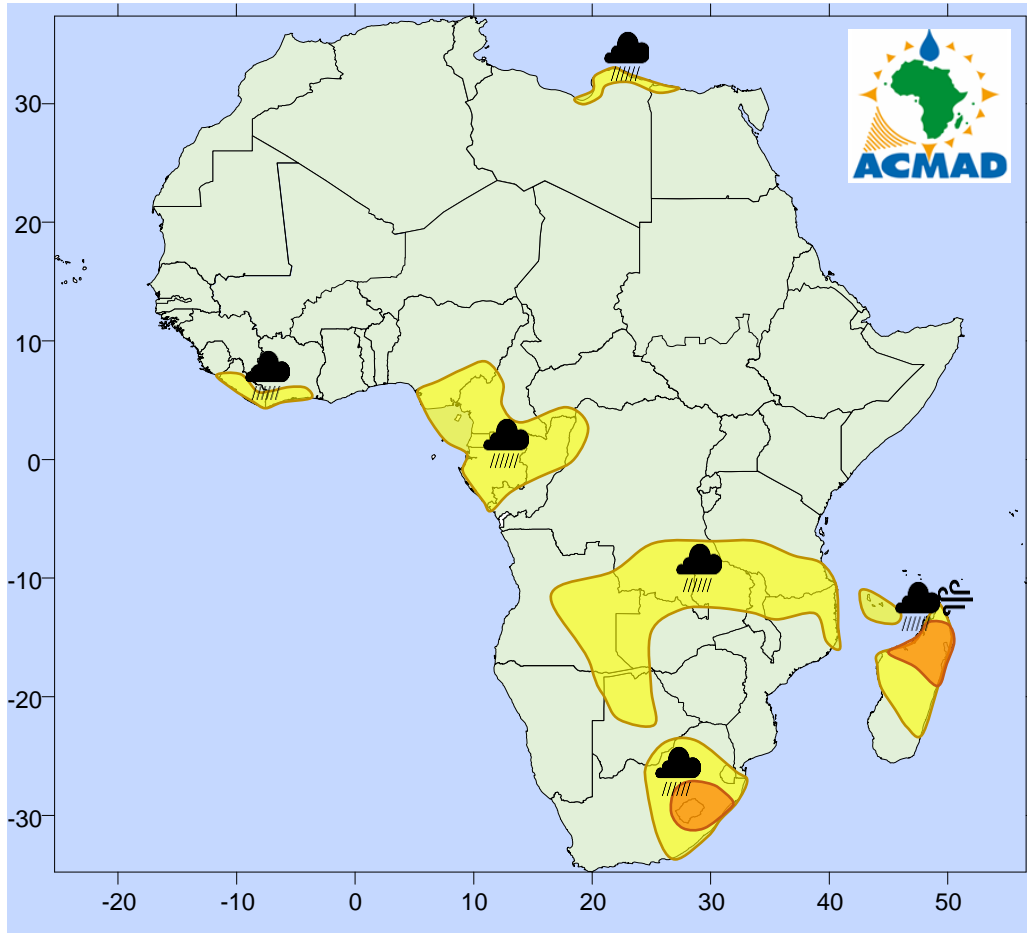
# MULTI-HAZARD OUTLOOK

**Validity: 2022-03-08**

*issued on 2022-03-07*

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









# MULTI-HAZARD OUTLOOK

**Validity: 2022-03-09**

*issued on 2022-03-07*

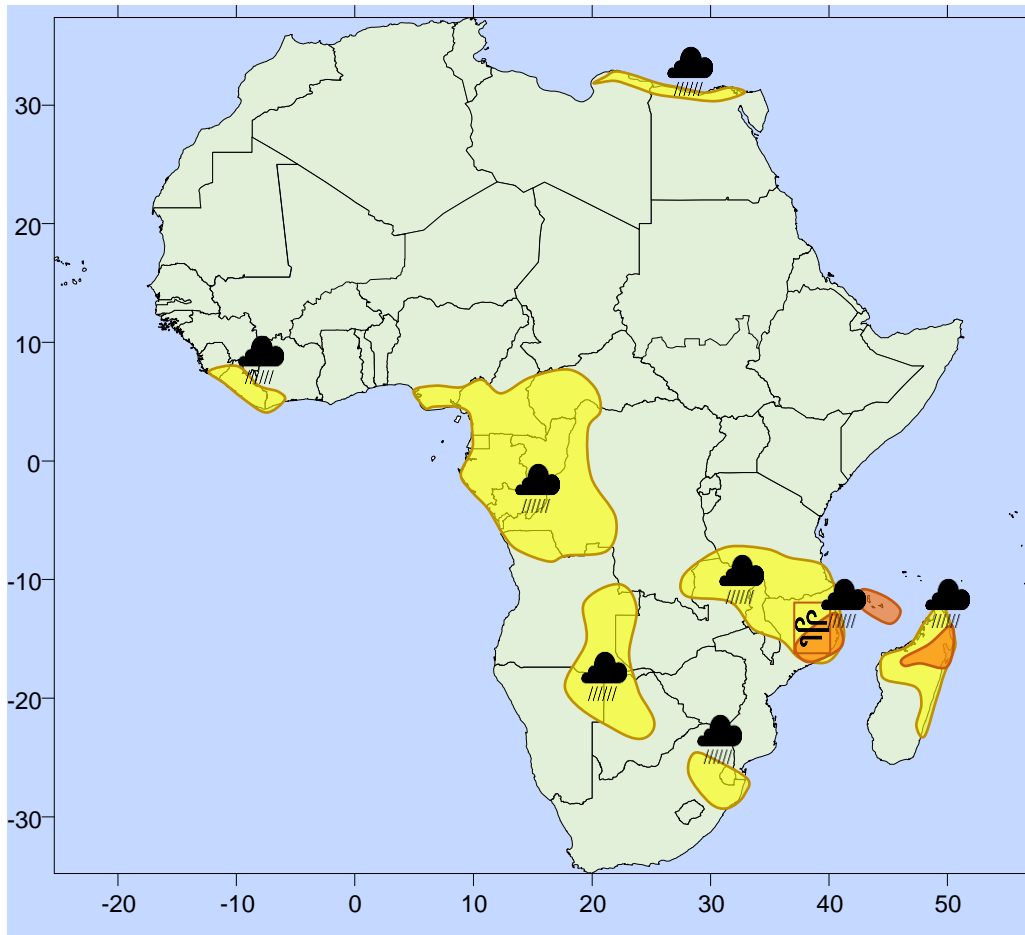
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light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







# MULTI-HAZARD OUTLOOK

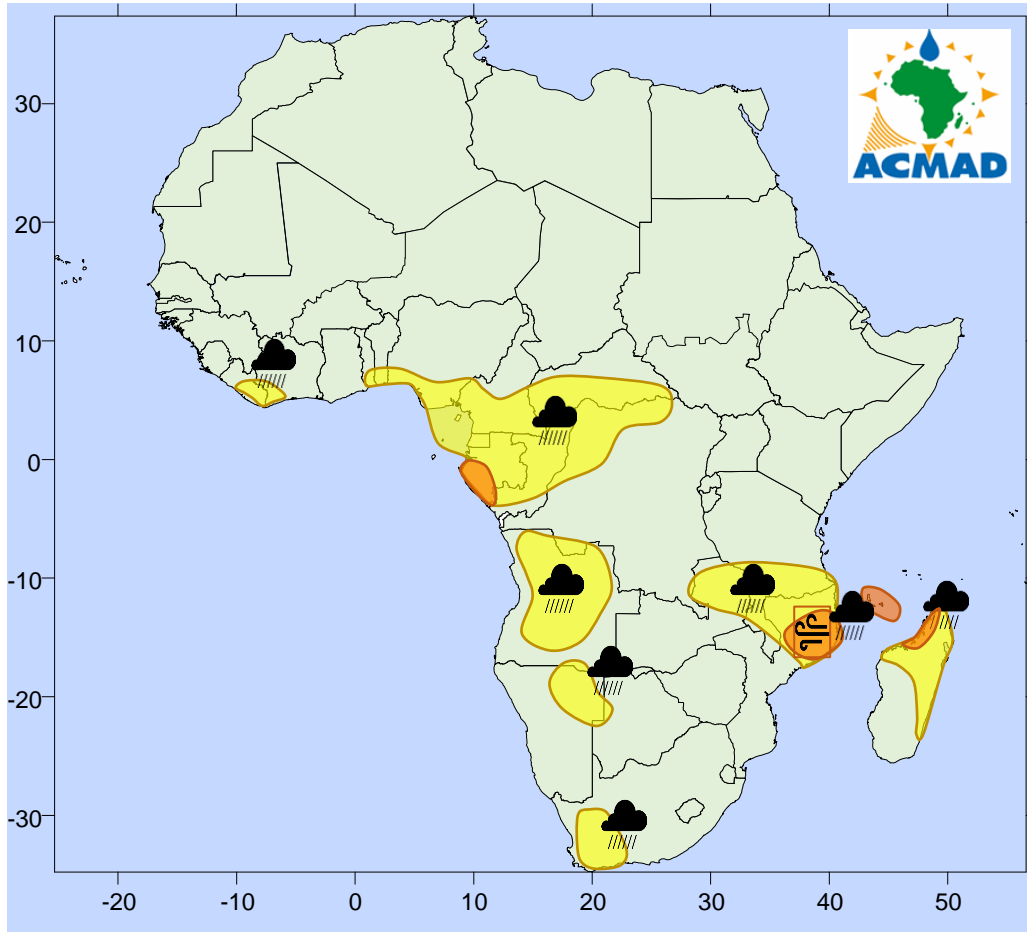
**Validity: 2022-03-10**

*issued on 2022-03-07*



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





Archive



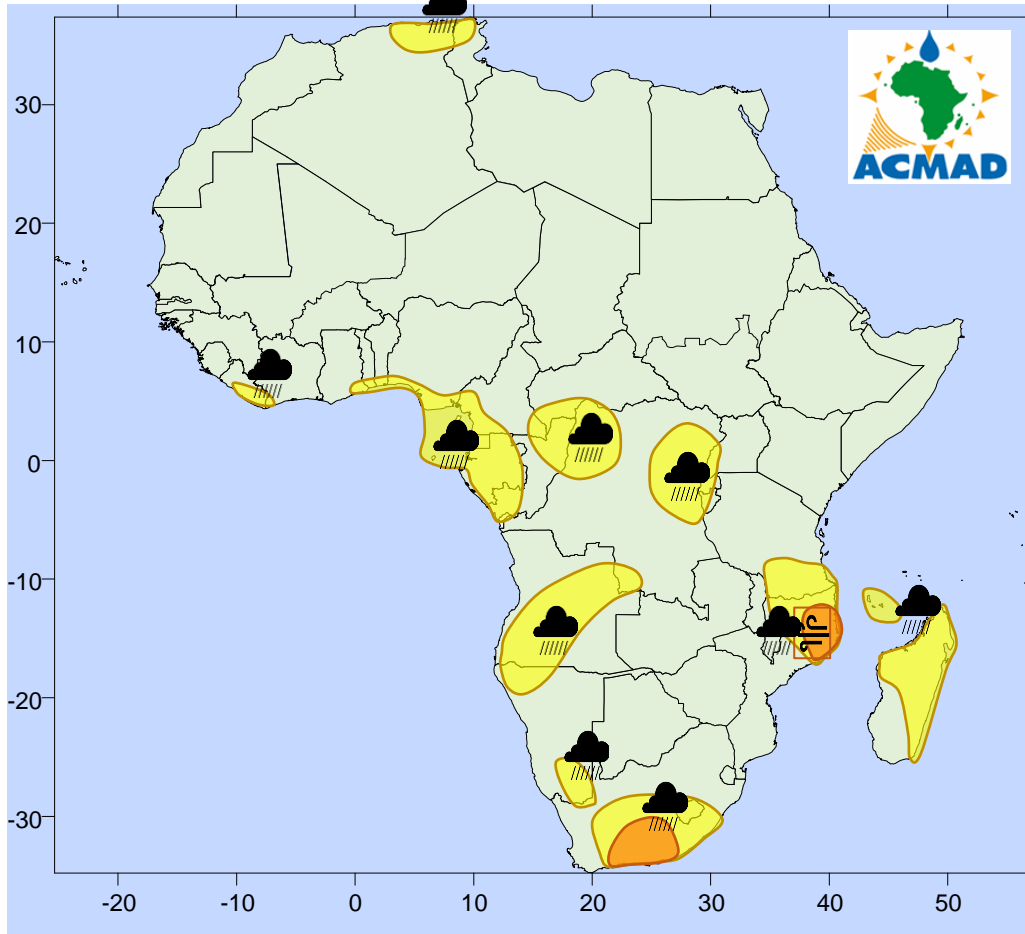
# MULTI-HAZARD OUTLOOK

**Validity: 2022-03-11**

*issued on 2022-03-07*

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









# MULTI-HAZARD OUTLOOK

**Validity: 2022-03-12**

*issued on 2022-03-07*

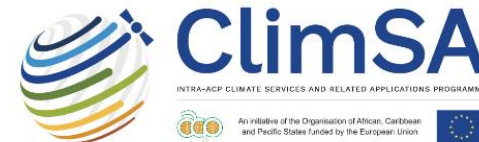
 Rain	 Wind	 Dust	 Meningitis
Very heavy >100mm	Very strong >80kmh <sup>-1</sup>	Very heavy >1000µg m <sup>-3</sup>	Very likely
Heavy 50-100mm	Strong >65kmh <sup>-1</sup>	Heavy >600µg m <sup>-3</sup>	Likely
Moderate 10 - 49mm	Moderate >50kmh <sup>-1</sup>	Moderate >400µg m <sup>-3</sup>	Less likely
Light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







# VIGILANCE MAP FOR HEAVY RAINFALL AND STRONG WINDS 8 – 12 March 2022 *issued on 2022-03-07*



## Phenomenon:

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

## Hazards :

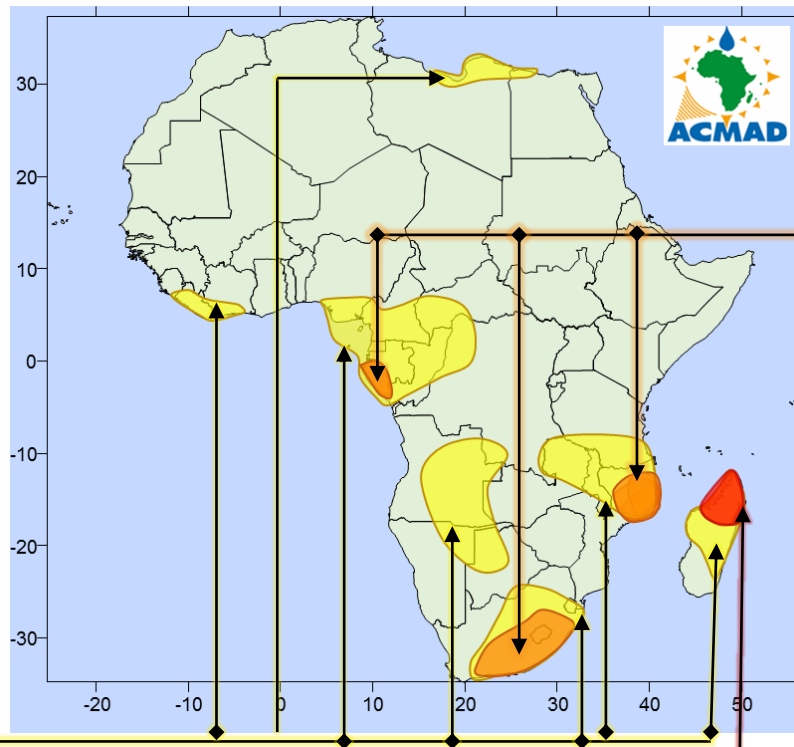
Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning likely

## 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 10<sup>th</sup> 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:

- On 8th March 2022, the Tropical System is expected to make landfall on northern Madagascar;

## Hazards :

- Tropical Storm, Heavy rainfall, 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 Madagascar and Mozambique



# VIGILANCE MAP FOR MENINGITIS OUTBREAK

**7 – 13 March 2022**

***Issued on 2022-03-07***



## 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

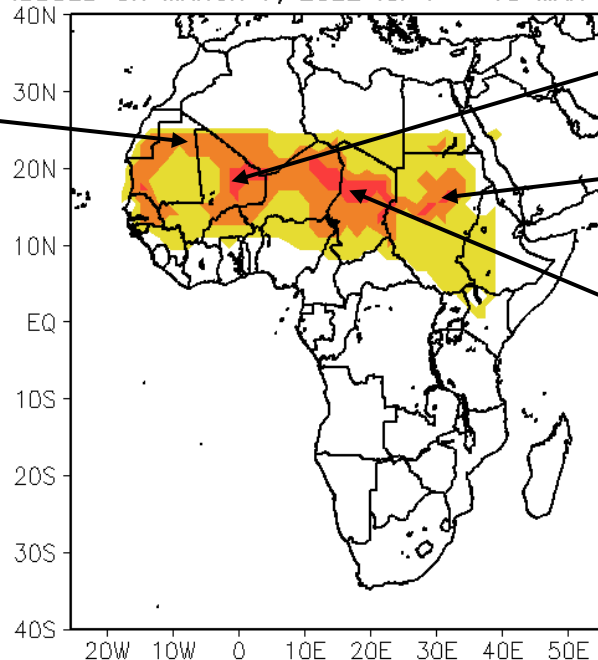
## Potentials Impacts:

Loss of life, pressure on the health system

## Measures/Advisories:

Activation of surveillance systems at regional and national levels

VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA  
ISSUED ON MARCH 7, 2022 for 7 – 13 MAR 2022



## 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