



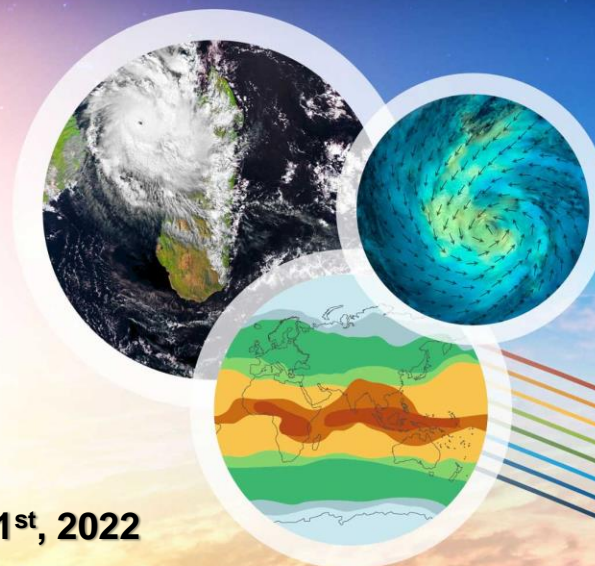
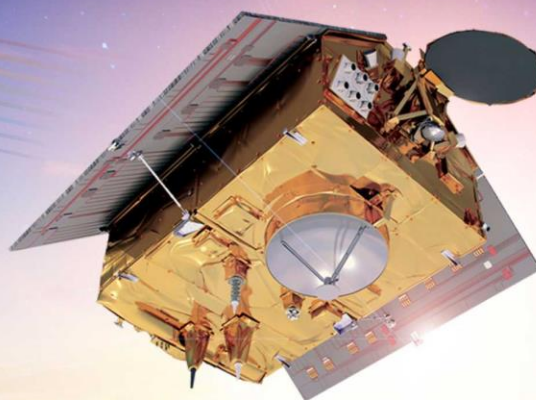
**ClimSA**

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



# African Centre of Meteorological Applications for Development (ACMAD)

## Continental Multi-Hazard & Advisory Bulletin



**Issued on: February 21<sup>st</sup>, 2022**

**Validity period: February 22<sup>nd</sup> to 26<sup>th</sup> 2022**

[previ@acmad.org](mailto:previ@acmad.org)

[www.acmad.net/new/NEWSITEACMAD](http://www.acmad.net/new/NEWSITEACMAD)

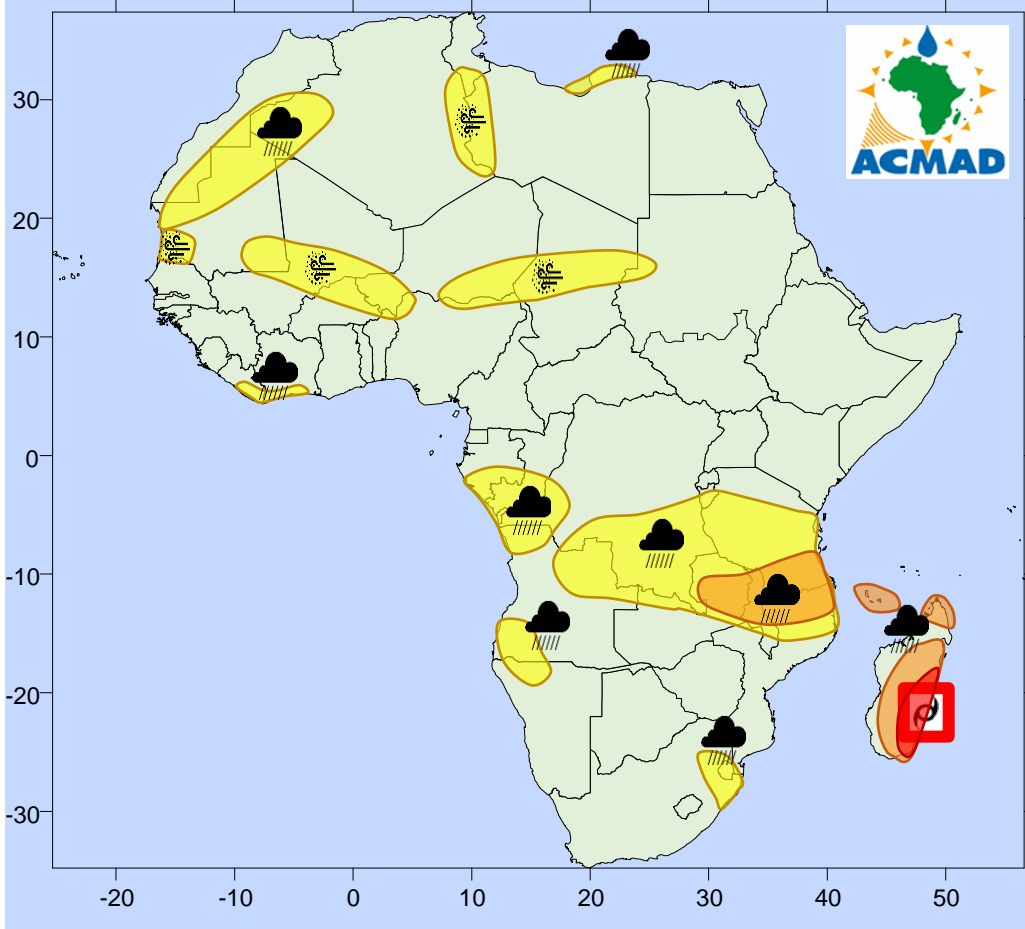
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# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-22**

issued on 2022-02-21



 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>	

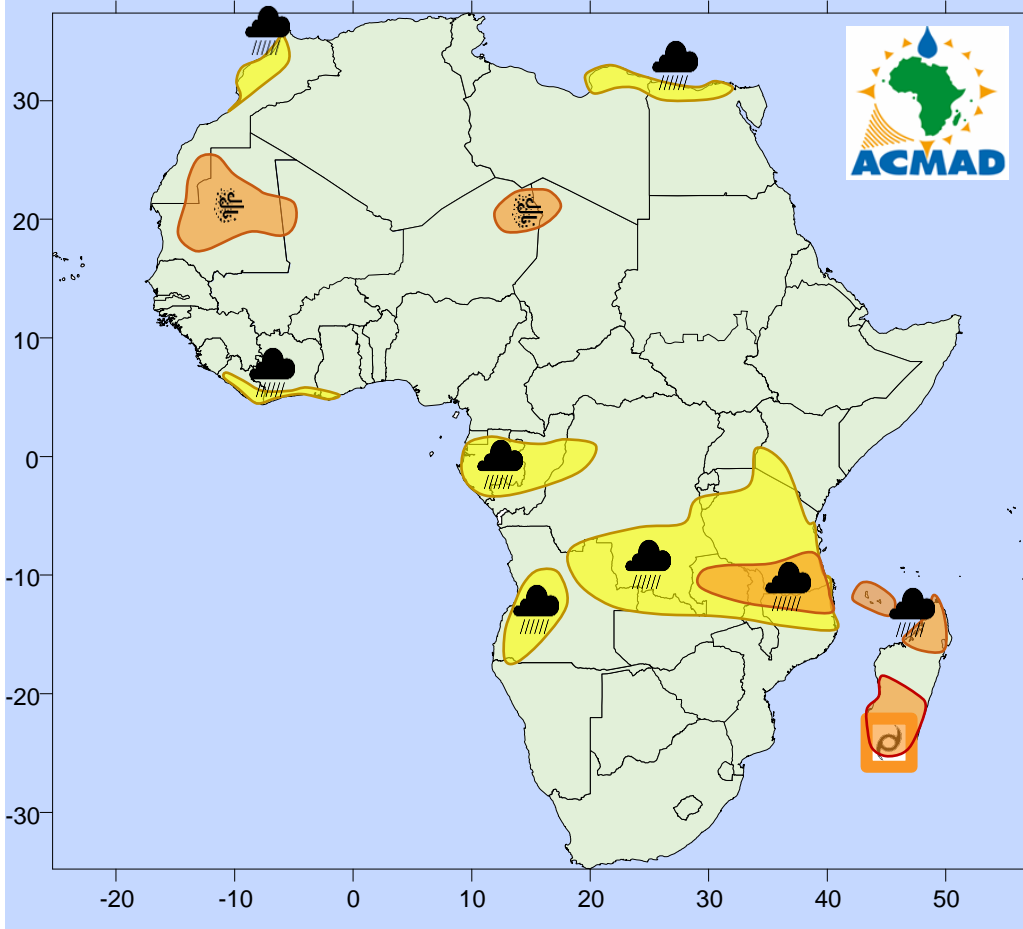
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-23**

issued on 2022-02-21



 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>	

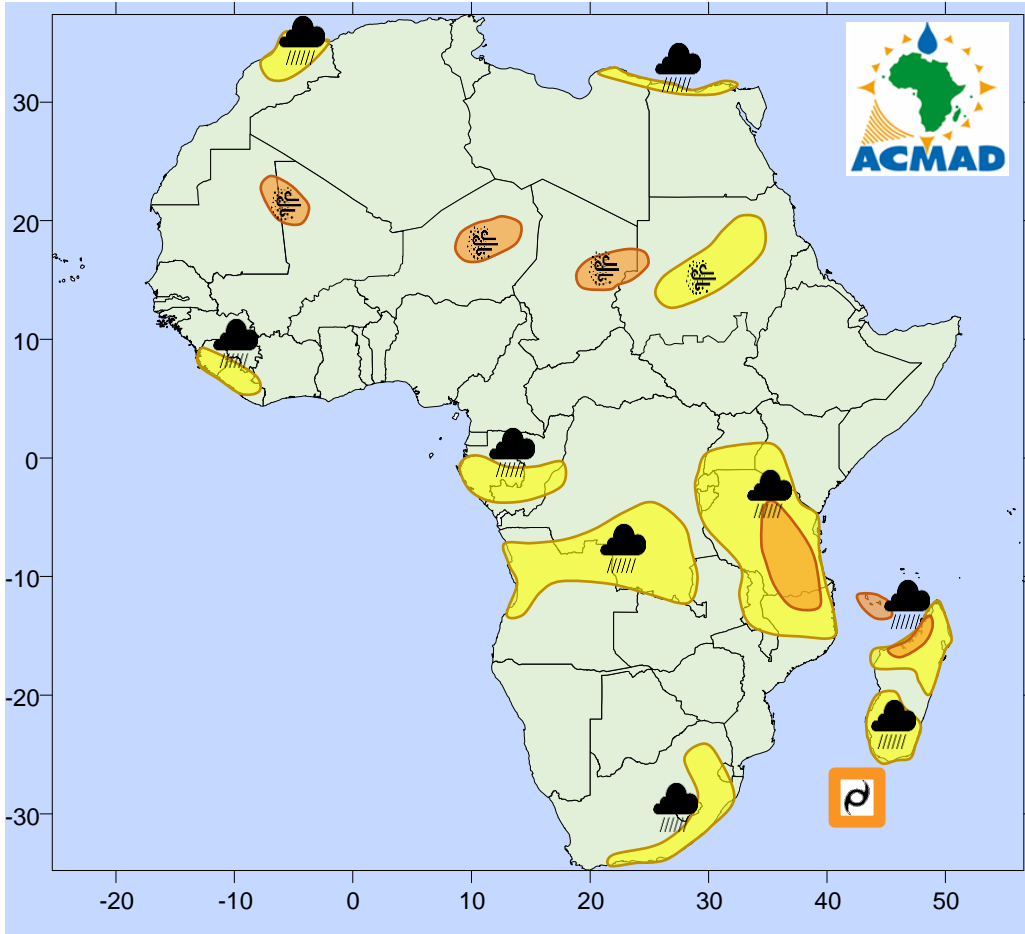
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h








# MULTI-HAZARD OUTLOOK

## Validity: 2022-02-24

issued on 2022-02-21



 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>	

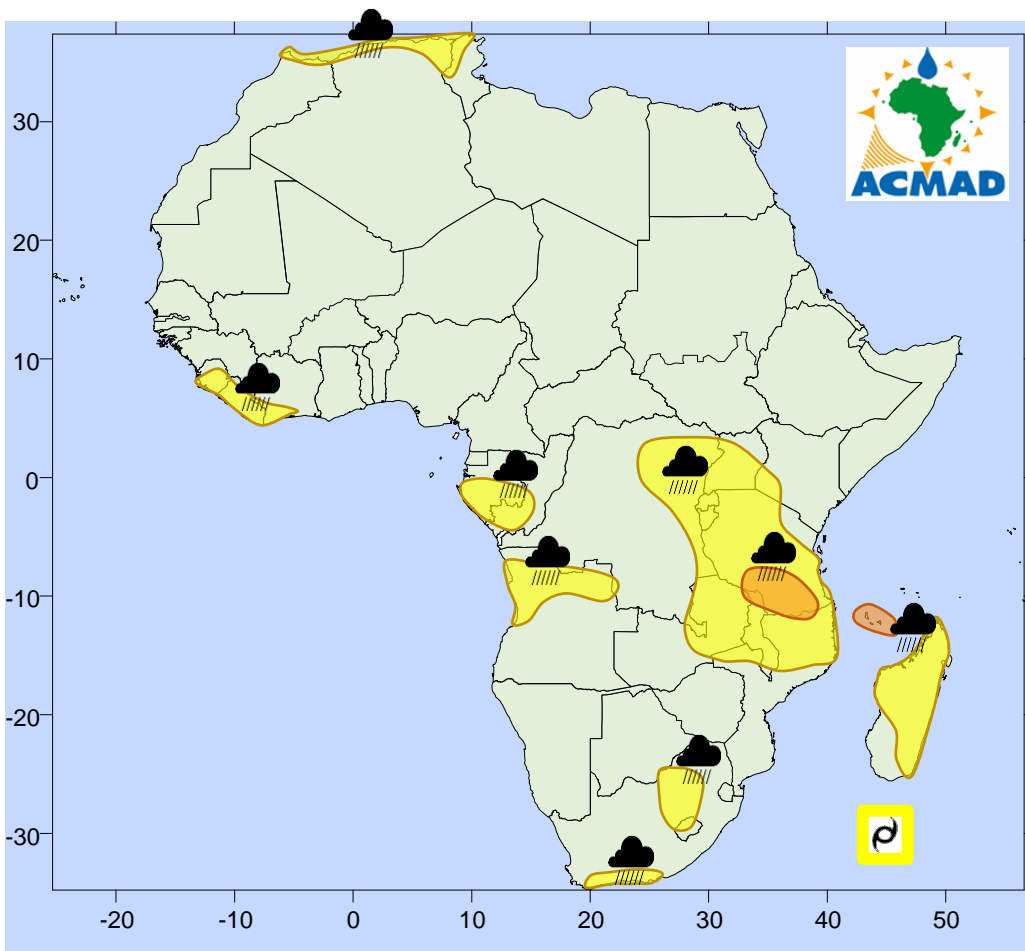

Tropical Cyclone >118km/h
Severe tropical storm 89 – 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 – 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-25**

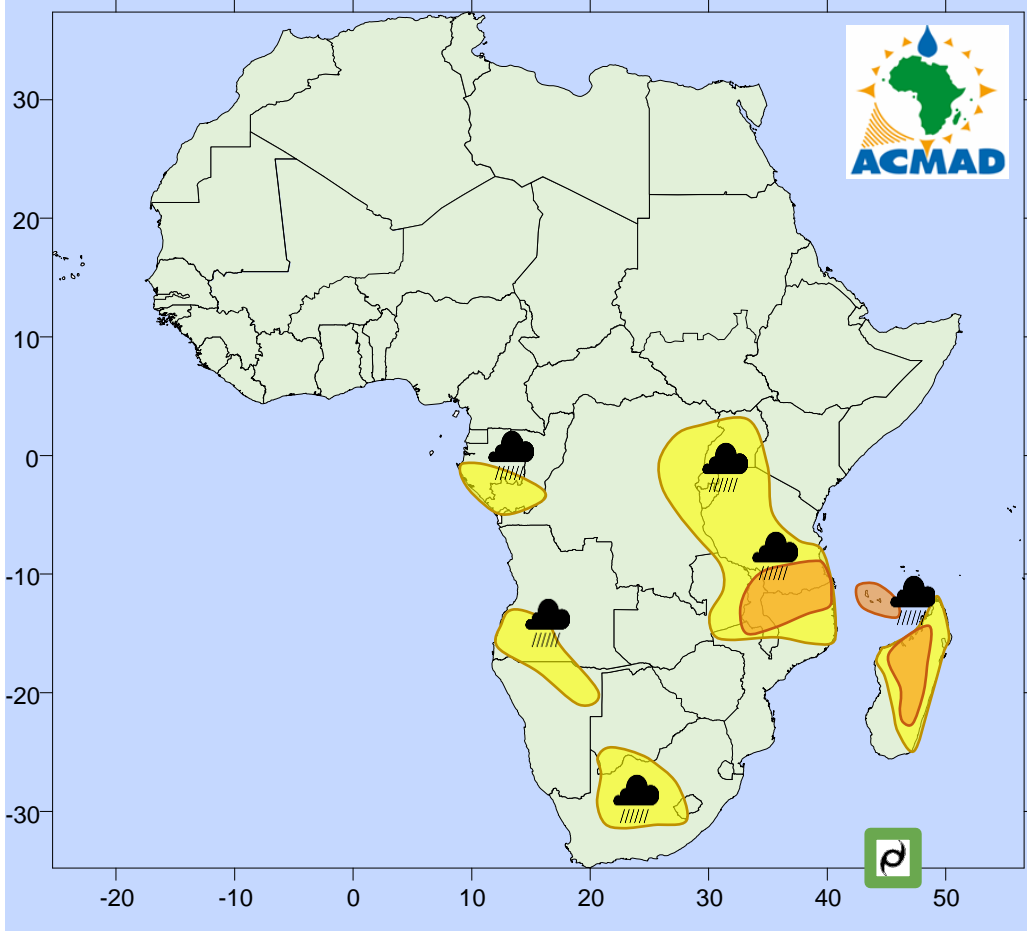
issued on 2022-02-21



 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>	

 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h










# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-26**

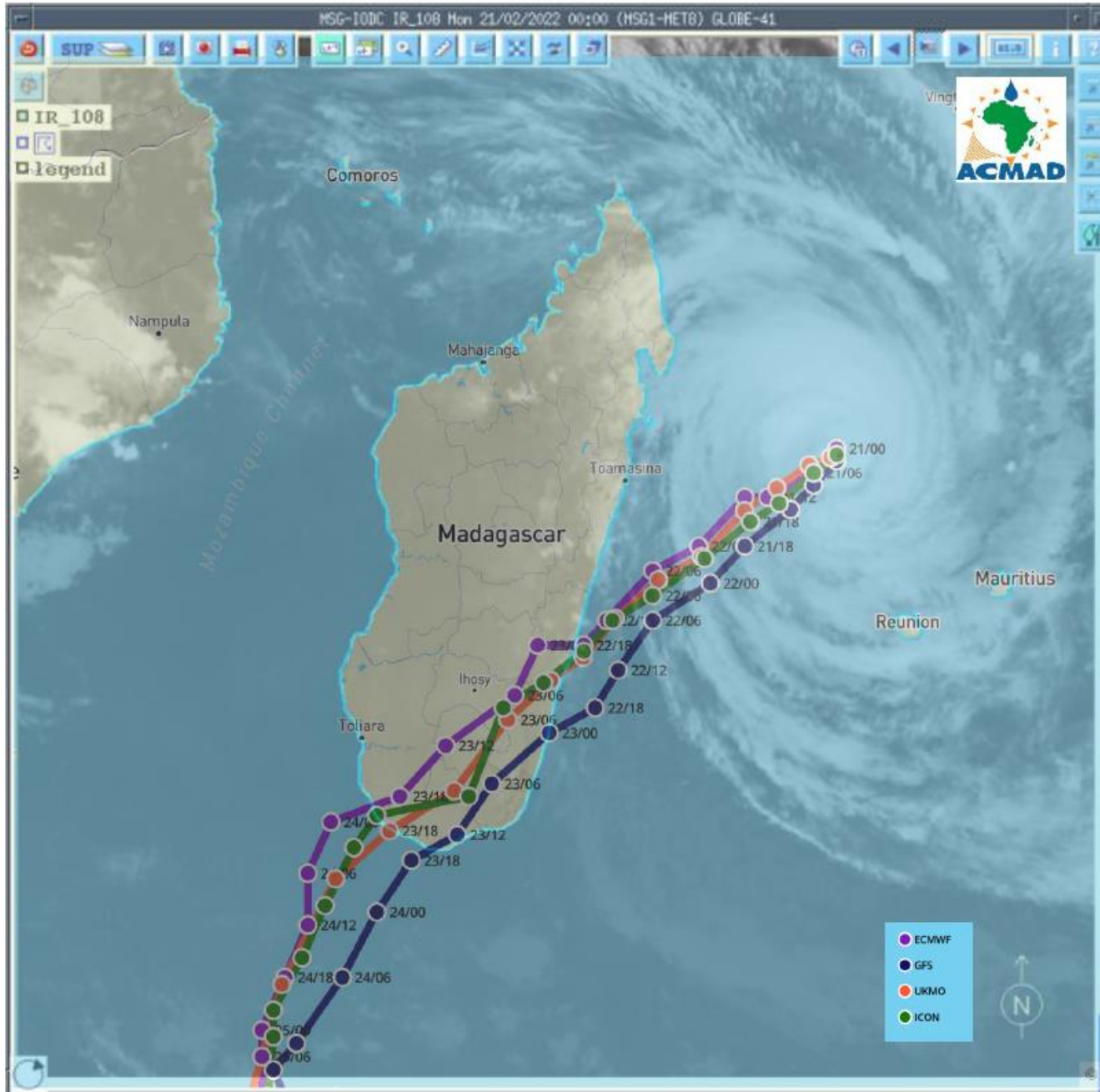
issued on 2022-02-21

 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>	

 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h



# TROPICAL CYCLONE EMNATI TRACK, February 21st - 25th, 2202



# VIGILANCE MAP FOR HEAVY RAINFALL

**22 Feb – 26 Feb 2022**

*issued on 2022-02-21*

**Phenomenon:**

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

**Hazards :**

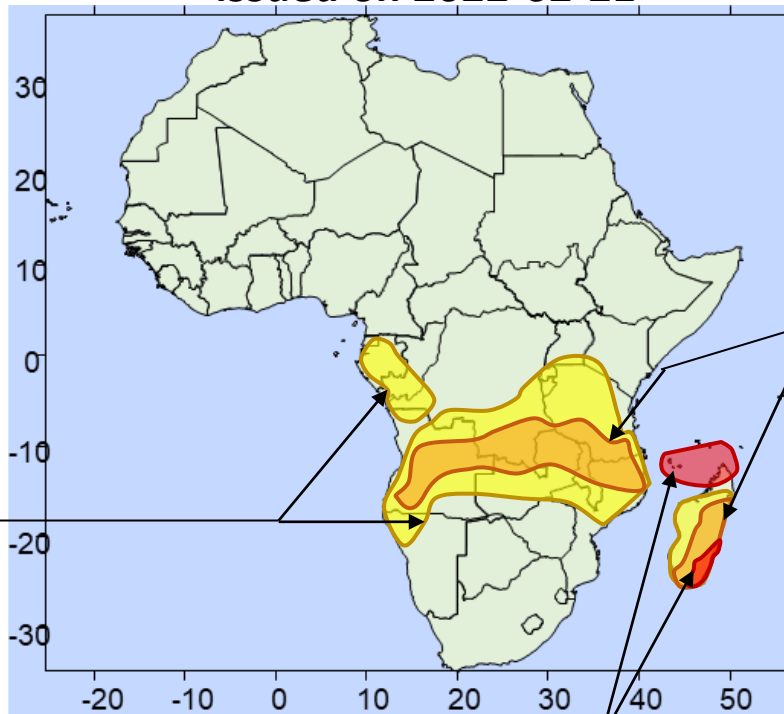
Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning likely

**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 more than 150mm;

**Hazards :**

Heavy rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning, strong winds,

**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 22th February 2022, the Tropical Cyclone EMNATI is expected to make a landfall on east-southern Madagascar and active ITCZ ;

**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.

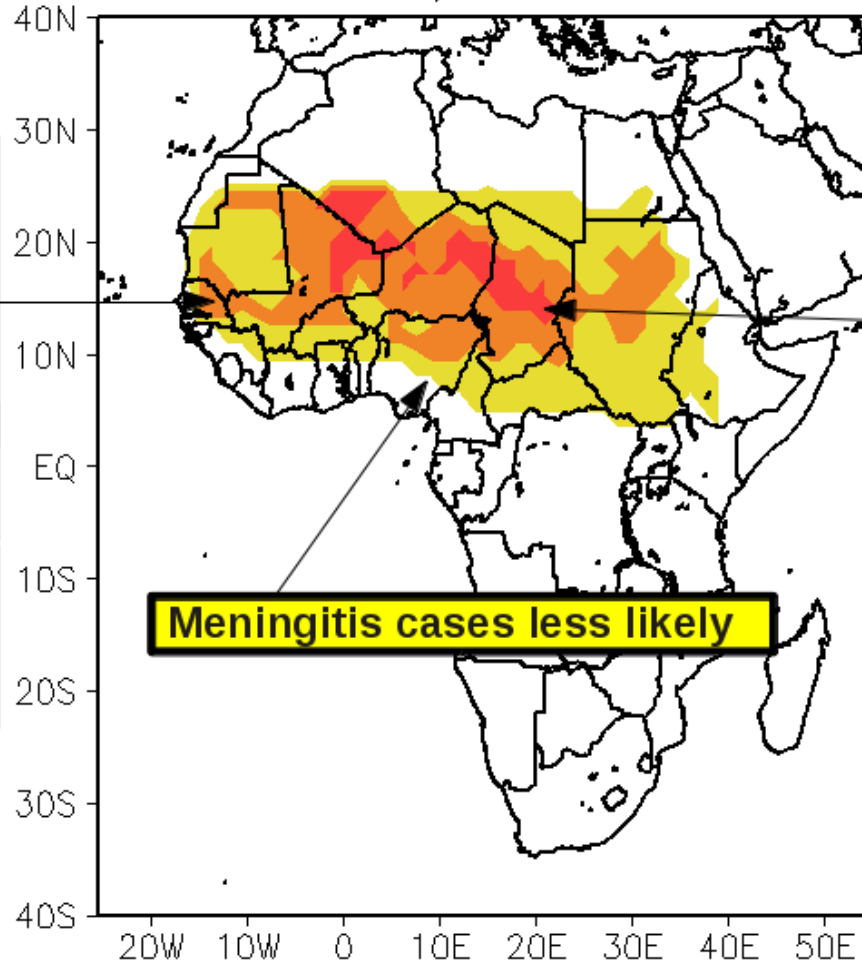
**Measures/Advisories:**

- Activate Cyclone and flash flood Contingency plan, DRM authorities be ready to take adequate actions





VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA  
ISSUED ON FEBRUARY 21, 2022 for 21 - 27 FEB 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