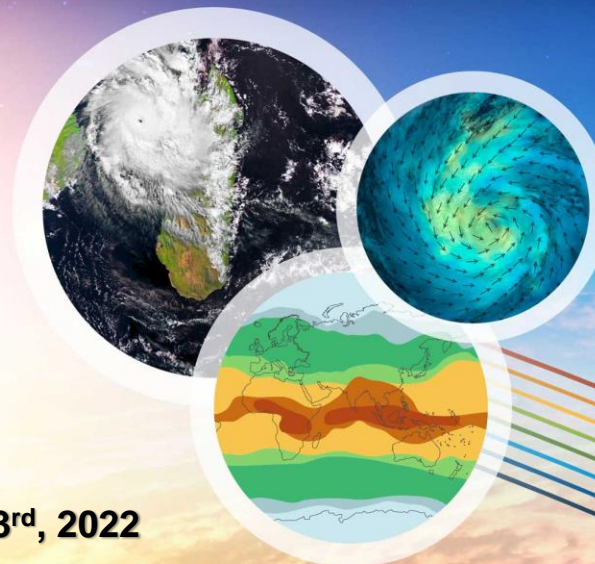
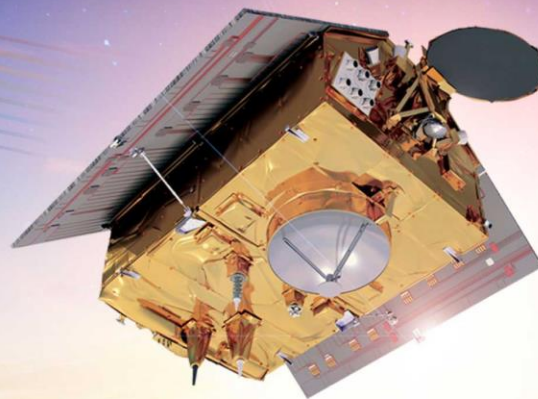


# African Centre of Meteorological Applications for Development (ACMAD)

**Technical notes  
for continental synoptic forecast**

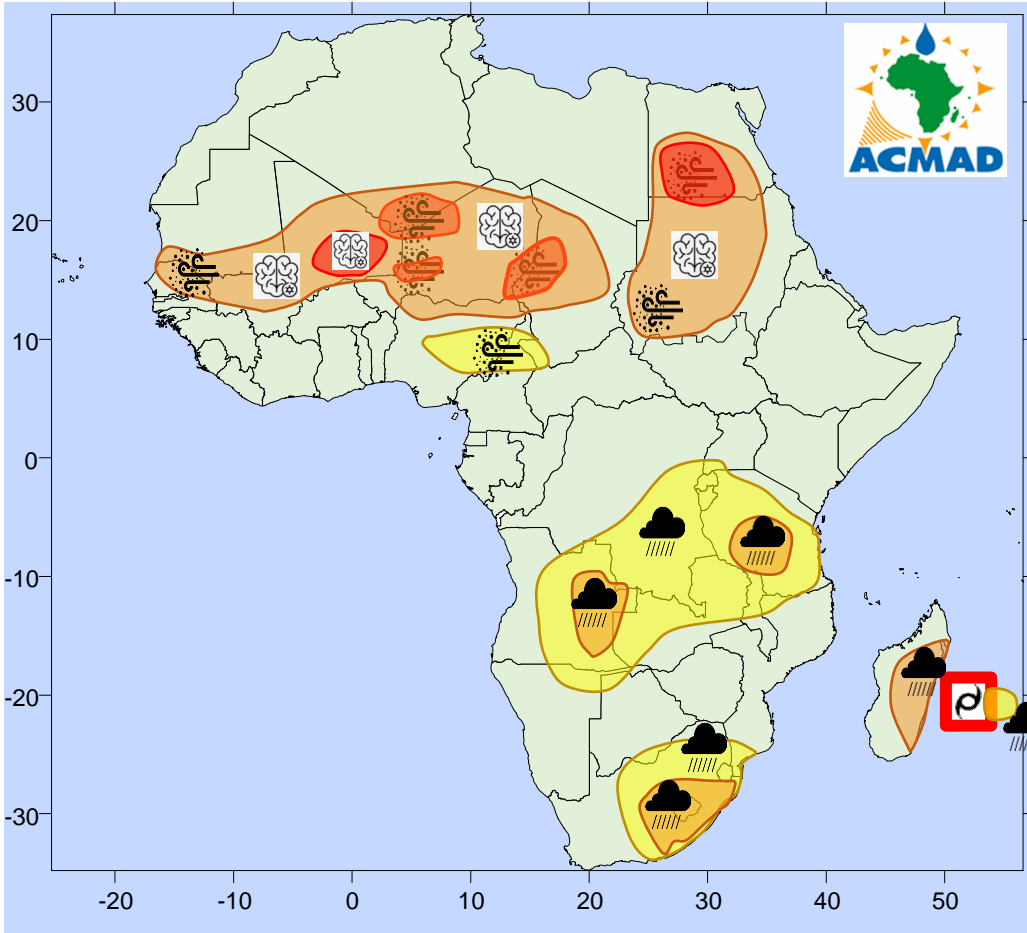






**Forecast issue date: February 3<sup>rd</sup>, 2022**  
**Validity period: February 4<sup>th</sup> to 8<sup>th</sup>, 2022**


# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-04**

issued on 2022-02-03



 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>	

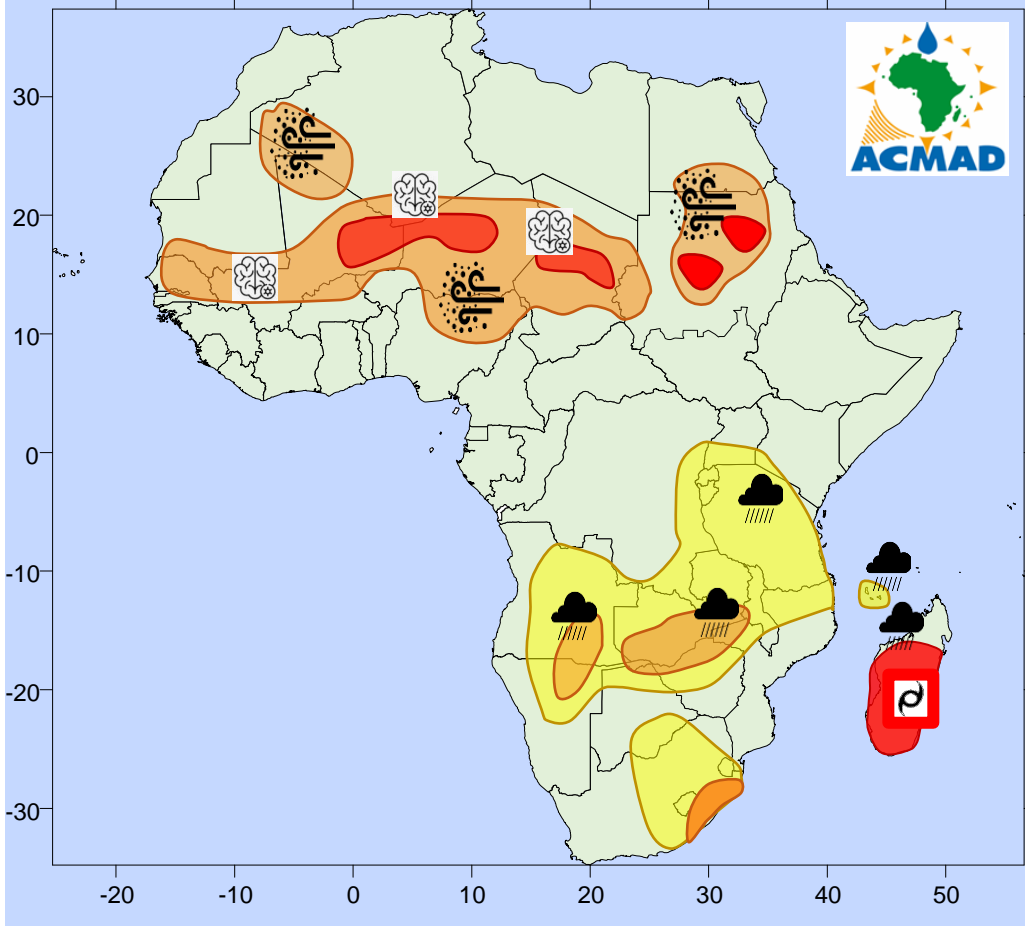
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 – 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 – 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-05**

issued on 2022-02-03



 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>	

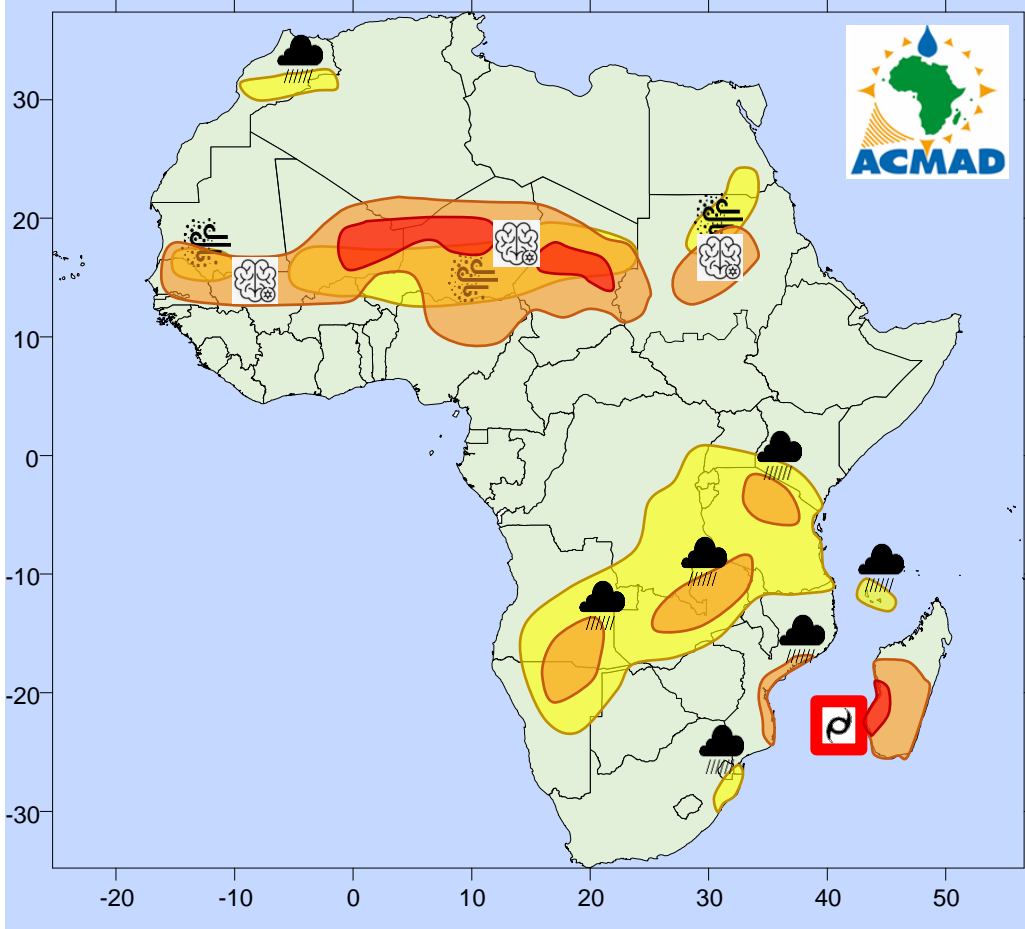
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-06**

issued on 2022-02-03



 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>	

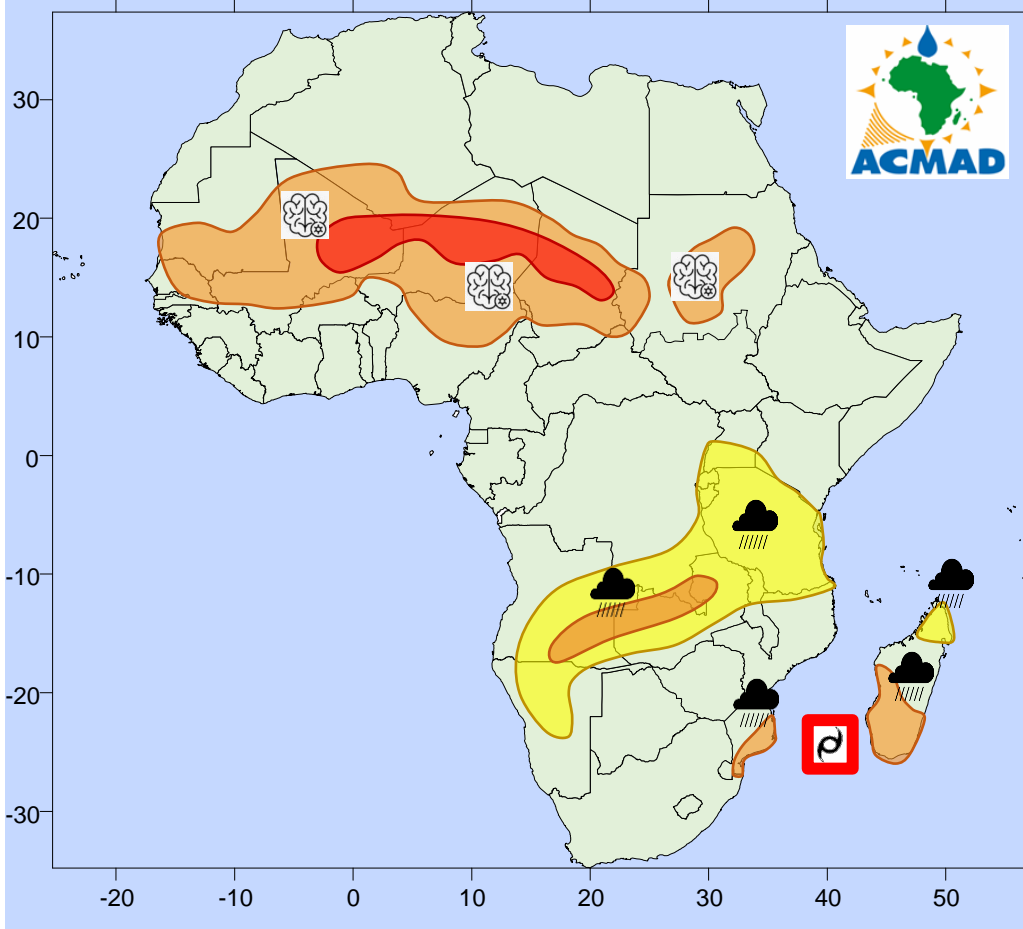
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 – 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 – 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-07**

issued on 2022-02-03



 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>	

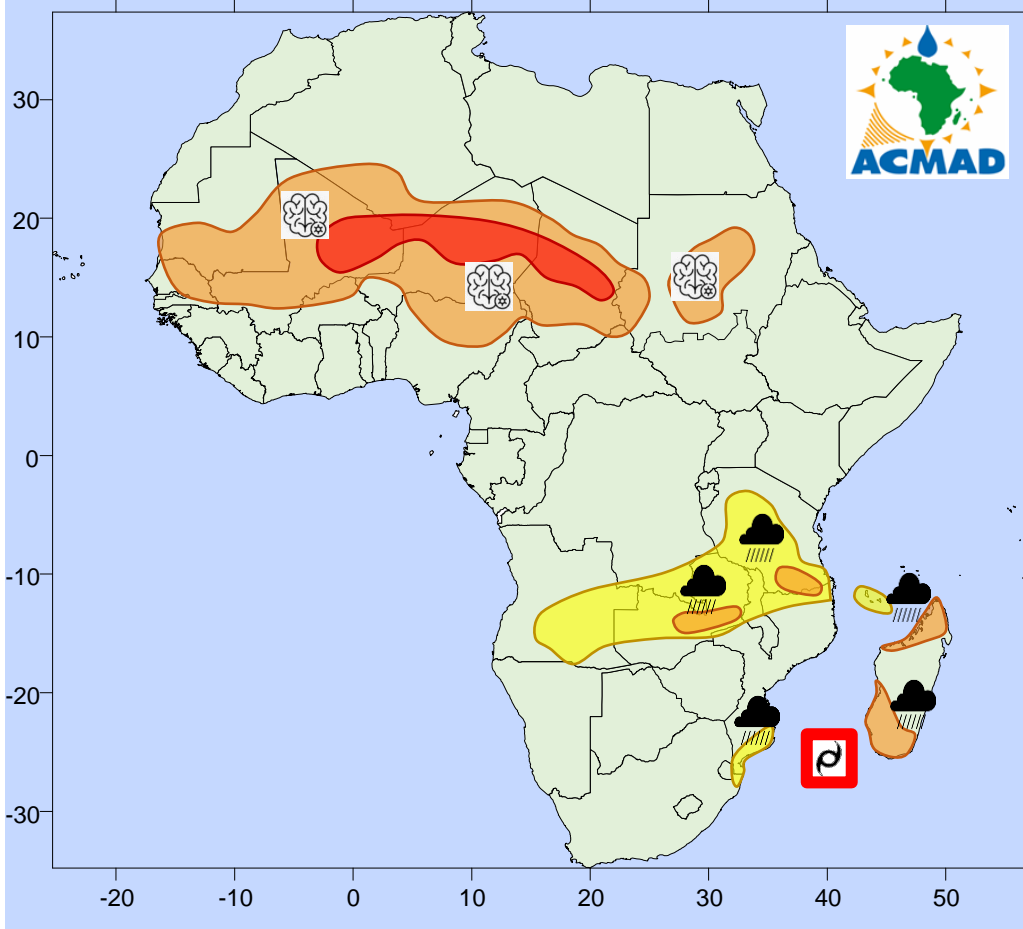
 Tropical Cyclone
Tropical Cyclone >118km/h
Severe tropical storm 89 - 117km/h
Moderate tropical storm 63-88km/h
Tropical Depression 51 - 62km/h








# MULTI-HAZARD OUTLOOK

**Validity: 2022-02-08**

issued on 2022-02-03



 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







# VIGILANCE MAP FOR HEAVY RAINFALL

04 Feb – 08 Feb 2022

issued on 2022-02-03



### Implications:

- In next 5 days rainfall is expected to be more than 100mm;  
Be aware of the existing risk of moderate to heavy rainfall;  
-There is a potential flash flood in the coming days

### Hazards :

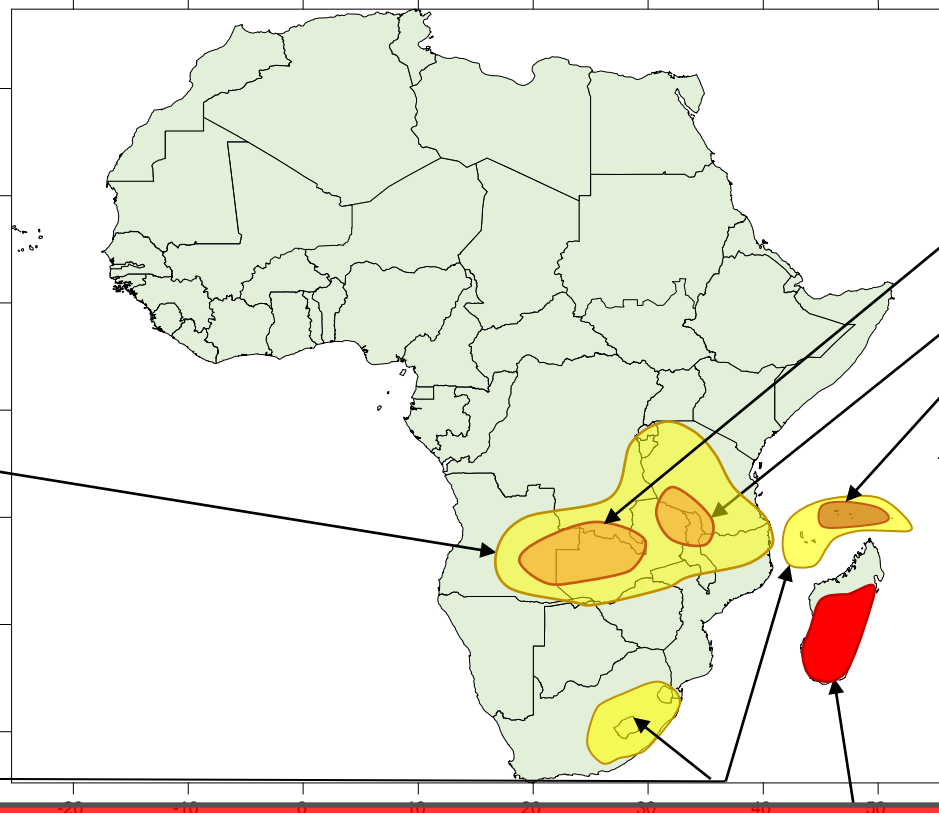
Moderate rainfall, flash flood, riverine flooding, landslides, soil erosion and Lightning likely

### 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



### Implications:

- In next 5 days rainfall is expected to be more than 150mm;  
-There is High risk of flash flood due to the high ground saturation and continued heavy rains.

### 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,

### Implications:

- In next 48H the Tropical Cyclone Batsirai is expected to land along the eastern coast of Madagascar ;  
-There is High risk of very strong gusts and flash floods.

### Hazards :

Tropical cyclone Batsirai with very strong gusts which may be greater than 170km/h

### Potentials Impacts:

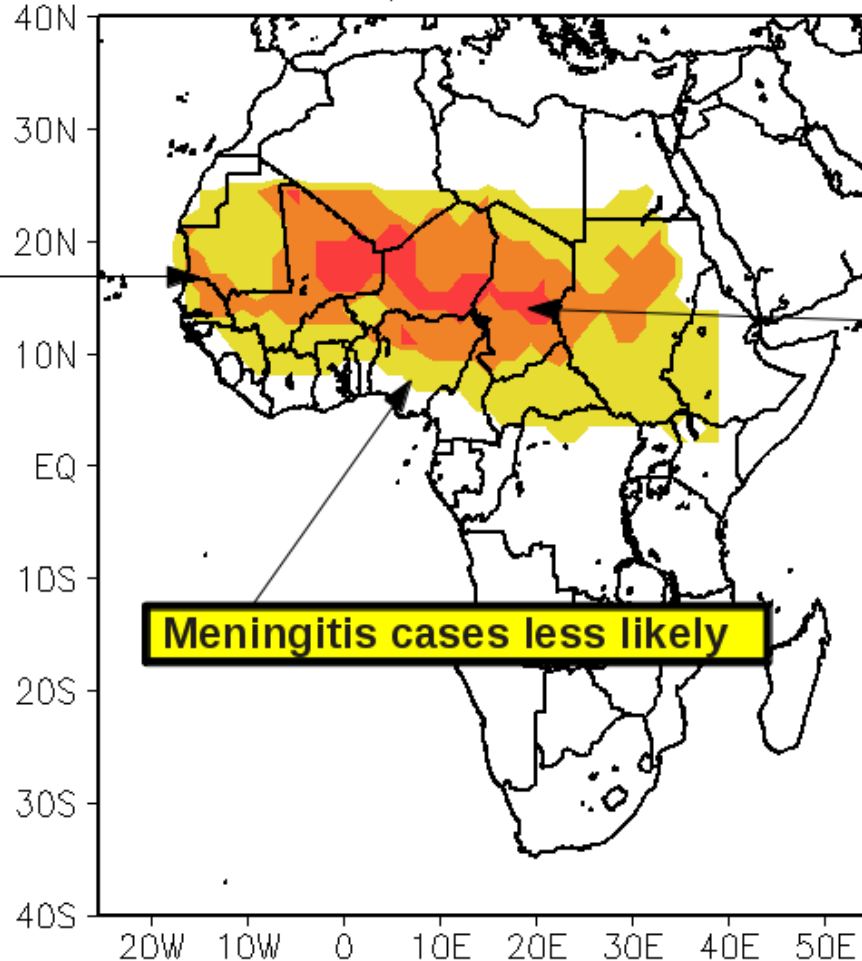
Displacements of people due to floods, damage of infrastructures (habitations, roads, bridges, ...), landslides, sea rise ...

### Measures/Advisories:

Activate the Cyclone Emergency Plan



VIGILANCE MAP FOR MENINGITIS OUTBREAKS IN AFRICA  
ISSUED ON JANUARY 31, 2022 for 31 JAN – 6 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

Meningitis cases less likely