













Africa Multi-hazard Early Warning and Action System

AMHEWAS INDUCTION TRAINING COURS D'INITIATION à AMHEWAS

CONTINENTAL WATCH AMHEWAS

VEUILLE CONTINENTALE AMHEWAS

ABUJA 16/11/2023

AMHEWAS

Africa Multi-Hazard Early Warning and Action System for Disaster Risk Reduction

THE **SITUATION ROOMS**

The Continental Multi-Hazard Advisory Centre



The Continental Situation Room



The Disaster Operation Centre



CONTINENTAL WATCH – VEILLE CONTINENTALE

Structure of the CW







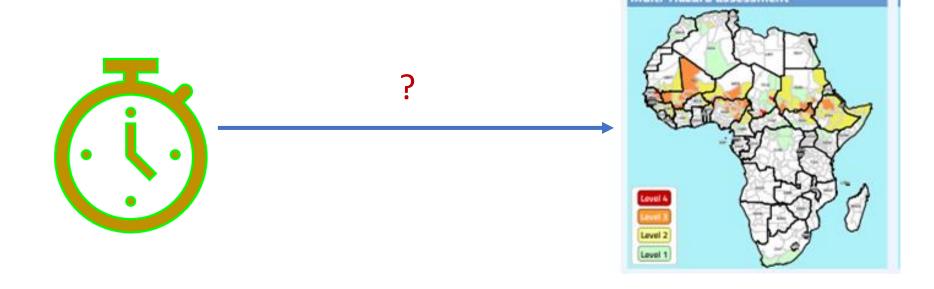


Structure ...



CONTINENTAL WATCH – VEILLE CONTINENTALE

a) What is a Continental Watch?Qu'est-ce qu'une veille continentale?b) What can you benefit from a continental watch?Que pouvez-vous gagner d'une veille continentale?



CONTINENTAL WATCH – VEILLE CONTINENTALE

The Continental Watch is needed to warn (alert) on extreme event which may occur in country or locality, day and the level of severity of such an event for a decision maker for the next 5days from issued date.

The Continental Watch is an early warning for early action bulletin compiled and issued by the AUC Situation Room with technical support from ACMAD and ICPAC



What is a Continental Watch? Qu'est-ce qu'une veille continentale?



AMHEWAS Continental Watch - Veille Continentale (CW)

What:

A Continental Watch is an early warning for early action bulletin compiled and issued by the Situation Room of the DRM Division under the DARBE of the African Union Commission.

Quoi:

 Une veille continentale est un bulletin d'alerte précoce pour une action rapide compilé et publié par la salle de situation de la division DRM sous le DARBE de la Commission de l'Union Africaine.

What is a Continental Watch? Qu'est-ce qu'une veille continentale



Continental Watch
From Tuesday, August 9, 2022 to Saturday, August 13, 2022

1.HIGHLIGHTS

Observed events over the last five days:
(From Thursday, August 4, 2022 to Monday, August 8, 2022)
At least one person died and another was severely injured after heavy rains caused flooding in Dakar, the capital city of Senegal.

Multi - Hazard Outlook for the next 5 days:
Level 4 warning for possibility of extreme rainfall over Mauritania, Senegal and Chad.
Level 3 warning for possibility of high rainfall in Ethiopia, Guinea, Guinea-Bissau, Mauritania, Mali, Nigeria, Niger, Sudan, Senegal, South Sudan and Chad.

AMHEWAS Continental

Continental Watch - Veille Continentale (CW)

Why:

Provide an over-regional overview on what extreme event is expected to occur, where, when and with what level of severity for policy and decision making.

Pourquoi?

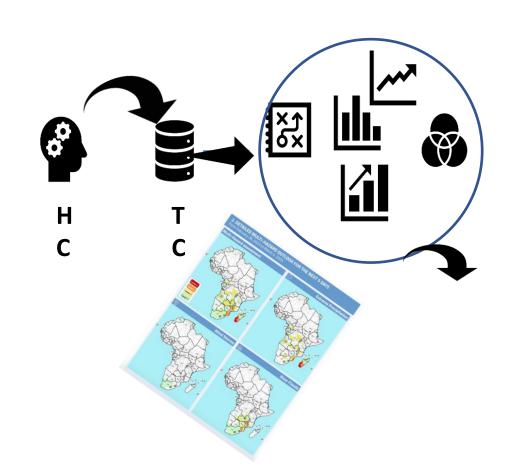
 Fournir un aperçu régional sur les événements extrêmes qui devraient se produire, où, quand et avec quel niveau de gravité pour la politique et la prise de décision.

- c) When is the Continental Watch written? Quand le veille continentale est-elle écrite?
- d) What resources do you need to compile it?

 De quelles ressources on a besoin pour le compiler ?



- Continental Watch is currently compiled twice a week at the continental level. On: Tuesday and Friday;
 - To compile the CW, the requirements are
 - ✓ myDewetra Platform;
 - ✓ Skilled and trained staff (Forecaster, Hydrologist, EAW experts and communicator);
 - ✓ Adequate Infrastructure;
 - ✓ Sources of early warning information
 - ✓ Partnership or collaboration



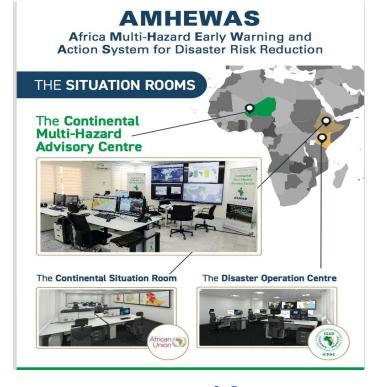
When and how? Quand et comment?



When?

 A Continental Watch is currently compiled twice a week at the continental level.

On: Tuesday and Friday.



Quand?

 Une veille continentale est actuellement compilée deux fois par semaine au niveau continental.

Le : le mardi et le vendredi.



When and how? Quand et comment?





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AMHEWAS Continental Watch - Veille Continentale (CW)

How?

- A system such as myDEWETRA Dashboard is key.
- Skilled and trained personnel
- Relevant infrastructure



- Other sources of early warning information
- Collaboration

Comment?

- Un système tel que myDEWETRA dashboard est essentiel.
- Personnel qualifié et formé
- Infrastructure pertinente
- Autres sources d'information sur l'alerte précoce
- Collaboration

What is myDEWETRA

- myDEWETRA platform is a real-time event scenario builder, which allows decision makers to take prevention actions and reduce impacts of the forecasted event;
- myDEWETRA provide usefull link between forecasters, decision makers, communities and population;
 - myDEWETRA works as an integrated real-time system providing a single access point to key early warning information;
- Through the platform, data (local or global) can be compared and analysed by experts in a timely manner.

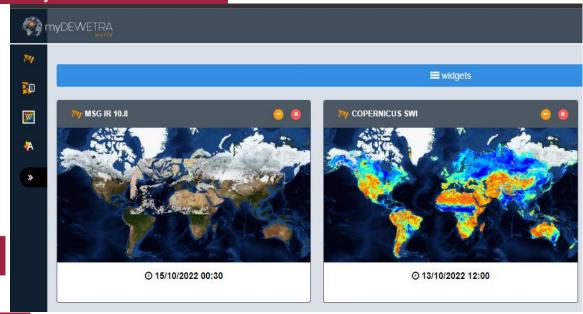




myDewetra

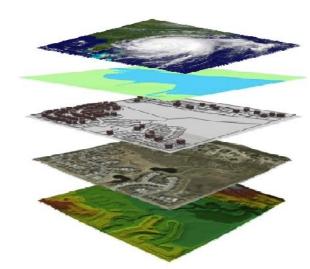


myDewetra



R(t) = ExVxH(t)/C

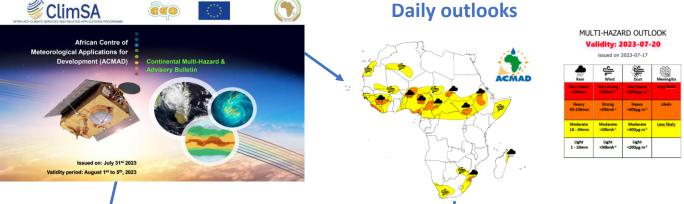
- myDEWETRA platform makes it possible to build risk scenarios in real time, which enables preventive measures to be taken and the impacts of predicted extreme hydrometeorological events to be reduced.
- To Assess risk scenarios in real time Several sources of information must be taken into consideration and All information is made available through one single platform:
 - ✓ Hazard(in real time) Medium and shortterm weather forecasts, remote sensing and in situ observations, hydrological monitoring and forecasting;
 - ✓ Adaptive capacity *emergency means:* shelters, storage, operational centres;
 - ✓ Exposure and vulnerability population, critical infrastructure, cultivated areas, etc...

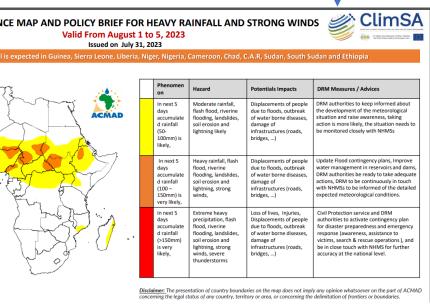


Main source outside myDewetra: ACMAD 5-day multi-hazard outlook

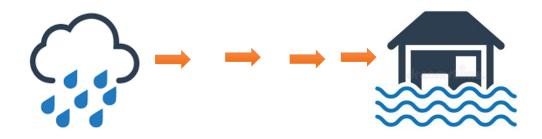
Source principale en dehors de myDewetra : prévision multirisques à 5 jours d'ACMAD







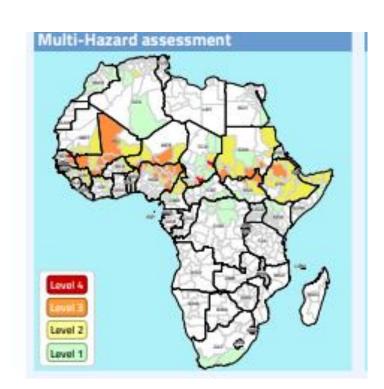
From the forecast to impact-based warning level classification



HAZARD BASED

IMPACT BASED

- Identification of the thresholds;
- Hazard classification;
- Exposure and vulnerability;
- Risk level classification;



Why classify warning levels? Pourquoi classer les niveaux d'alerte?

Level	Criteria for Activation	Continental Level Action
Level 1	 Very localized Sub-National Warning triggered by National EWS Service or community based EWS targeting specific geographical areas within a MS. 	•
	Warnings issued for relatively low impact, routine, events which can be managed by local authorities or communities with no major risk of escalation or transboundary spread.	
Level 2	National warning triggered by National MHEWS facility for significant events which may escalate, impacting/ potential to impact multiple administrative areas within MS or more localized events with potential of very significant consequences which requires national hazard monitoring and forecasting and may potentially require intervention of National resources in support of the local level depending on the organization of the MS.	-
Level 3	 Regional Warning triggered when the REC MHEWS Situation Room identifies the potential for significant impact that can exceed the coping capacity of the MS and may require international support and related supranational coordination. These events are likely to determine transboundary impacts/ anticipated impacts even from a single hazard event affected more than 1 MS. This may be triggered by information received from regional hazard monitoring services, or from information received from a MS. Regional Warning may be issued to all impacted/ potentially impacted MS within same REC. Where neighbouring MS from another REC may be impacted, transboundary warnings may be issued through the Continental MHEWS Situation Room. 	Monitor the situation with the involved REC(s). Evaluate the situation and escalate to Level 4 Warning if required. Issue Situation Reports to impacted REC Situation Rooms to monitor the situation.
Level 4	 Continental Warning issued by the AMHEWS Situation Room for the most significant events that may potentially exceed the coping capacity of the affected MS by a large amount and require international support and related supranational coordination. These events are extremely likely to result in regional transboundary impacts. Warnings for significant hazards with potential for continental impacts, likely affecting multiple MSs and RECs with significant consequences. 	Full activation of the Situation Room to coordinate information from multiple sources, liaison with RECs on transboundary impacts or anticipated impacts. If a disaster occurs, ensure data and information on hazards being monitored continues to be provided to the Continental Disaster Coordination Centre. Issue regular Situation Reports on hazards and early warnings issued, and on Early Actions taken, for AUC Bodies, AUC Senior Decision Makers and International Partners.

Collaborators:

Collaborateurs:

This Continental Watch is produced by the African Union with the technical and scientific assistance of UNDRR, ICPAC, ACMAD and CIMA Foundation, with support of the Italian Government

















Africa Multi-hazard Early Warning and Action System

Early Warning Information Contributors:

Contributeurs de l'information sur l'alerte précoce :

TECHNICAL SUPPORT SUPPORT TECHNIQUE





ROLE



HYDRO

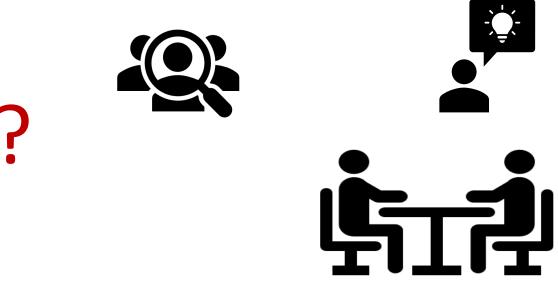


System Development and management

du système

MULTI-HAZARD RISK + ADVISORIES Développement et gestion

- e) Who is the target audience and why? Qui est le public cible et purquoi?
- f) Proposed list of recipients of the CW in your REC? Liste proposée des destinataires du CW dans votre REC?



For who and why? Quand et comment?



AMHEWAS Continental Watch - Veille Continentale (CW)

For who and why?

- AUC Senior management and AUC Ambassadors
- ? High Level decision making

Qui et purquoi?

- Direction générale de la CUA et ambassadeurs de la CUA
- ? Prise de décision à haut niveau



Sections of the CW

Sections du CW

Issue no. 78

Continental Watch

From Tuesday, September 20, 2022 to Saturday, September 24, 2022

1.HIGHLIGHTS

Multi - Hazard Outlook for the next 5 days :

Level 4 warning for possible extreme rainfall over Ghana and Senegal.

Level 3 warning for possible extreme rainfall over Angola, Burkina Faso, Democratic Republic of the Congo (DRC), Guinea, Gambia, Mali, Nigeria and Togo.

2. DETAILED MULTI-HAZARD OUTLOOK FOR THE NEXT 5 DAYS

From September 20, 2022 to September 24, 2022

Multi-Hazard assessment



Extreme Precipitation





Extreme Precipitation:

Level 4: Ghana (Upper East), Senegal (Kaffrine, T Level 3: Angola (Uíge), Burkina Faso (Centre-Est, Democratic Republic of the Congo (Tshopo), Ghan Gambia (Lower River, Maccarthy Island, North Ba Kayes, Koulikoro), Senegal (Kolda, Sédhiou), Nige (Savanes)

Level 2: Benin (Alibori, Atakora), Angola (Lunda N

Continental Watch -Veille Continentale

Highlights / Faits Saillants



Africa Multi-Hazard Early Warning and Action System for DRR

Issue no. 66

Continental Watch

From Tuesday, August 9, 2022 to Saturday, August 13, 2022

1.HIGHLIGHTS

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(From Thursday, August 4, 2022 to Monday, August 8, 2022)

At least one person died and another was severely injured after heavy rains caused flooding in Dakar, the capital city of Senegal.

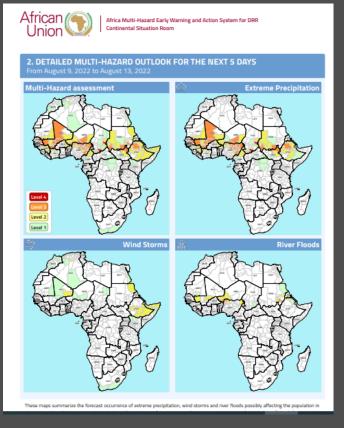
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Level 3 warning for possibility of high rainfall in Ethiopia, Guinea, Guinea-Bissau, Mauritania, Mali, Nigeria, Niger, Sudan, Senegal, South Sudan and Chad.

Level 3 warning for possible riverine floods in Sudan, Niger and Nigeria.

Maps / Cartes



Advisories / Avis



3. ADVISORIES

Level 4 Advisory: 1. Due to high chances of heavy rainfall that is forecast to affect Mauritania, Senegal and Chad. the countries at risk are advised to:

 (i) engage with their national hydrometeorological services and National Disaster Risk Management institutions to monitor the forecast hazards, and

(ii) undertake preparedness measures to prevent and minimize potential losses and damages to potentially vulnerable communities.

- 2. The National Disaster Management Authorities are also advised to alert communities of high chances of heavy flash floods and provide tailored products for various clusters for anticipatory actions and preparedness to the affected areas.
- 3. The Regional Economic Communities are advised to monitor the potential flood situation in
- 4. The potentially affected member states are requested to share information on the state of the hazards with the AMHEWAS Situation Room at mhewsituationroom@africa-union.org to enable AMHEWAS to inform African Union organs on the evolving situation.
- 5. The countries in alert level 4 warning (Mauritania, Senegal and Chad) are requsted to attend an emergency meeting with the African Union Commission at 10:00 hours on Wednesday, 10 August, 2022 to delibearte on the forecast. The AUC will share the meeting link to the affected countries (Mauritania, Senegal and Chad) through a separate email in due course.

Level 3 Advsory: National Disaster Authorities in Ethiopia, Guinea, Guinea-Bissau, Mauritania, Mali, Nigeria, Niger, Sudan, Senegal, South Sudan and Chad, are advised to monitor the rainfall situation and water flows in the rivers over the next five days due to medium possibilities of heavy rainfall and riverine flooding.

[Level 2 Advisory.] National Disaster Authorities of Benin, Burkina Faso, Côte d'Ivoire, Cameroon, Djibouti, Ethiopia, Guinea, Guinea-Bissau, Mauritania, Mali, Niger, Nigeria, Sudan, Senegal, South Sudan, Chad, Algeria, Lesotho and Somalia, are advised to continue monitoring the rainfall evolutions that are expected to cause sporadic flash floods as well as wind storms and heavy

Sources / Resources





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