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DISASTER OPERATIONS CENTER

Situation Room





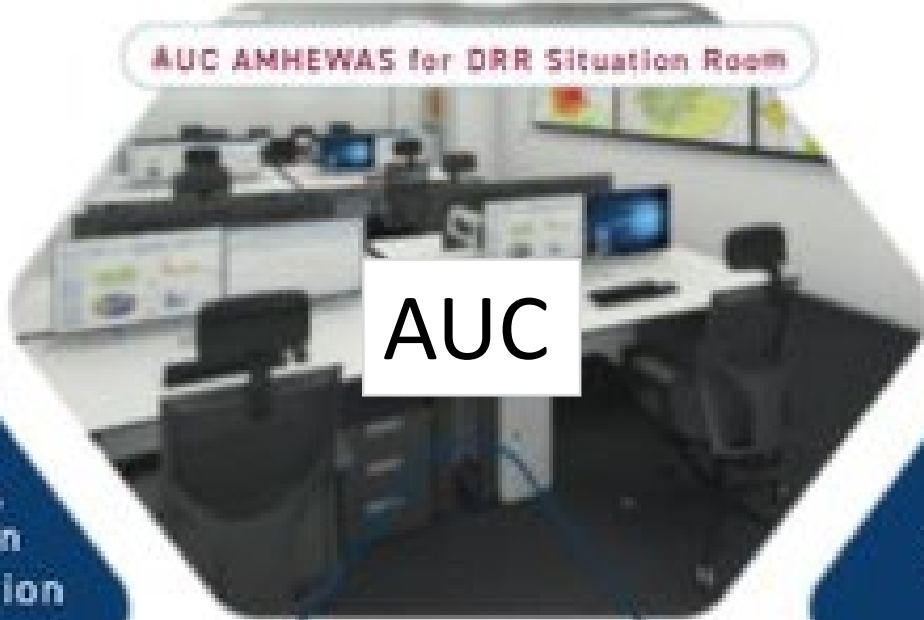
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Introduction

- The IGAD Heads of State endorsed the proposal to establish the IGAD Disaster Operations Centre (IDOC) in December 2020.
- IDOC – Situation Room was established under the IGAD Disaster Risk Management (DRM) Program at ICPAC – a specialized institution of IGAD on Climate and Disaster Risk Management.

AUC AMHEWAS for DRR Situation Room



AUC

Coordinates the other rooms, acting as the main hub of risk information

Shares relevant forecast and info

IGAD Disaster Operation Center - Situation Room



IGAD

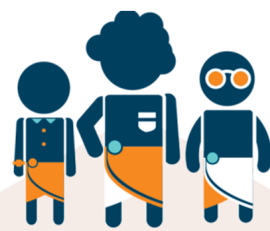


ACMAD Situation Room



ACMAD
ECOWAS

Injects all the relevant info to the 24/7 Sit room



Significantly reduce
the impacts of
disasters on the
lives,



Livelihoods



Strengthening early
action in the IGAD
region



Provide centered
multi-hazard
early warnings
information

Goal of the IDOC

- Providing people-centered multi-hazard early warning information and strengthening anticipatory action in the IGAD region.
- This will help in managing resource-based conflict by anticipating early action.



Core functions of IDOC



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01

Monitor major hazards and issue early warning information for the region

02

Coordination with national focal institutions on early action.

03

Rapid mapping of affected areas and impacts of disasters

04

Strengthen Capacity to anticipate risk & Support AU Early warning Situation Room



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INTEGRATED REGIONAL MULTI-HAZARD EARLY WARNING SYSTEM

Collaborative approach with all programs/departments at ICPAC/IGAD

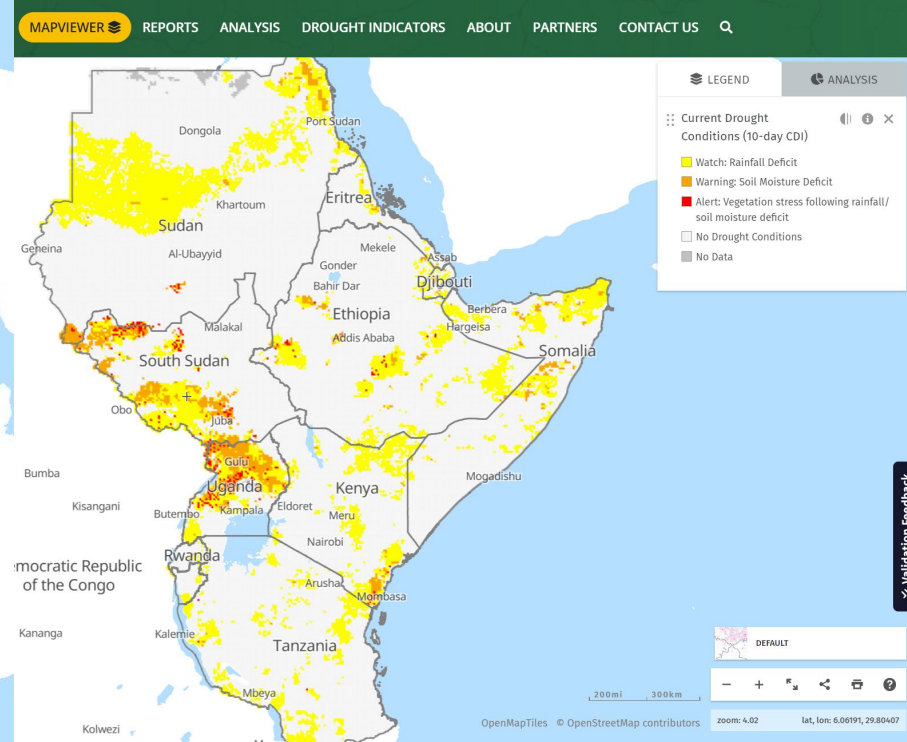
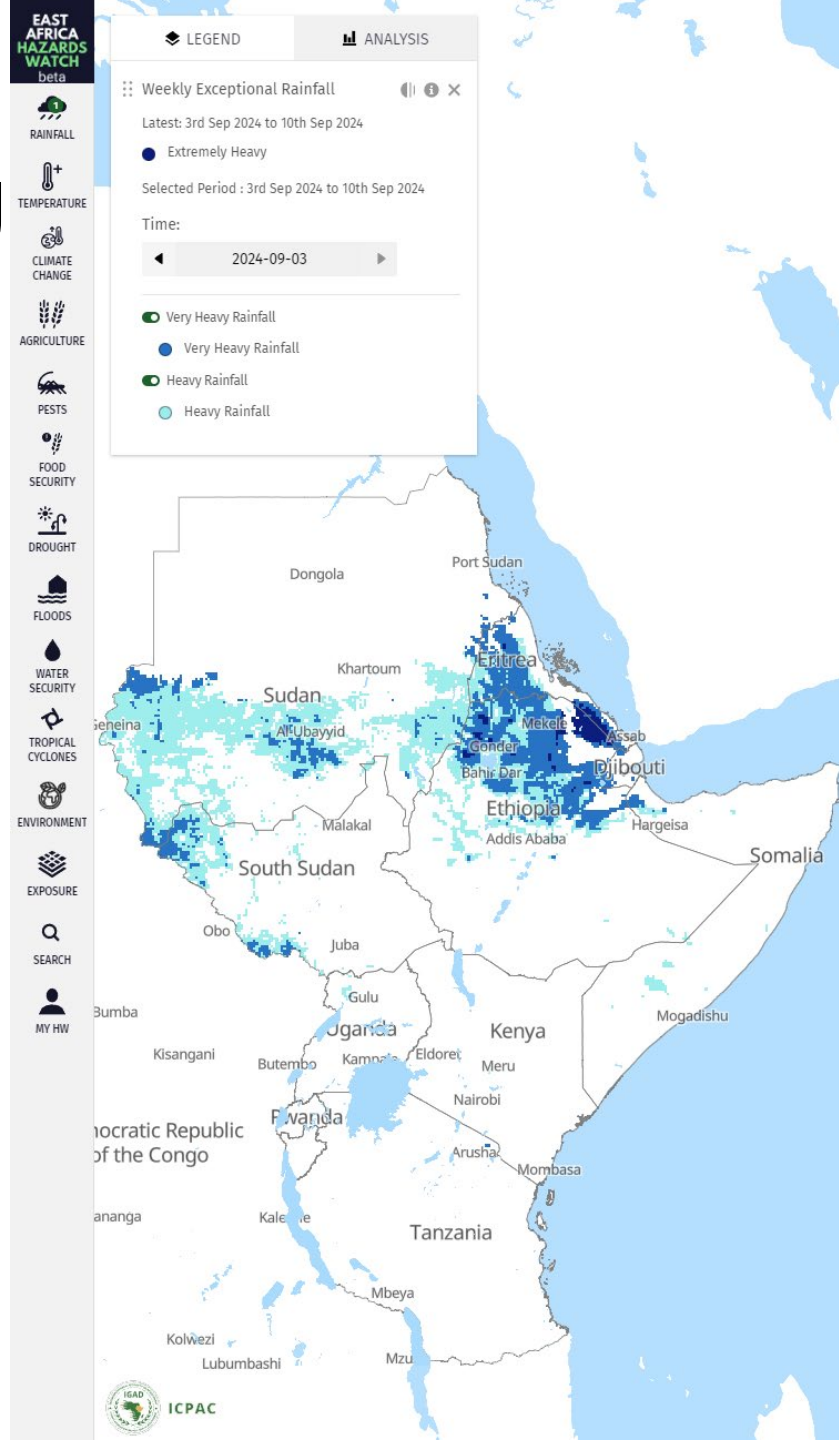


Phase I
Phase II



Hazard Monitoring Systems

- East Africa Hazard Watch
- East Africa Drought watch
- East Africa Agriculture Watch



A regional public automated Multi-Hazard Monitoring system (MHEWS) that facilitates early action

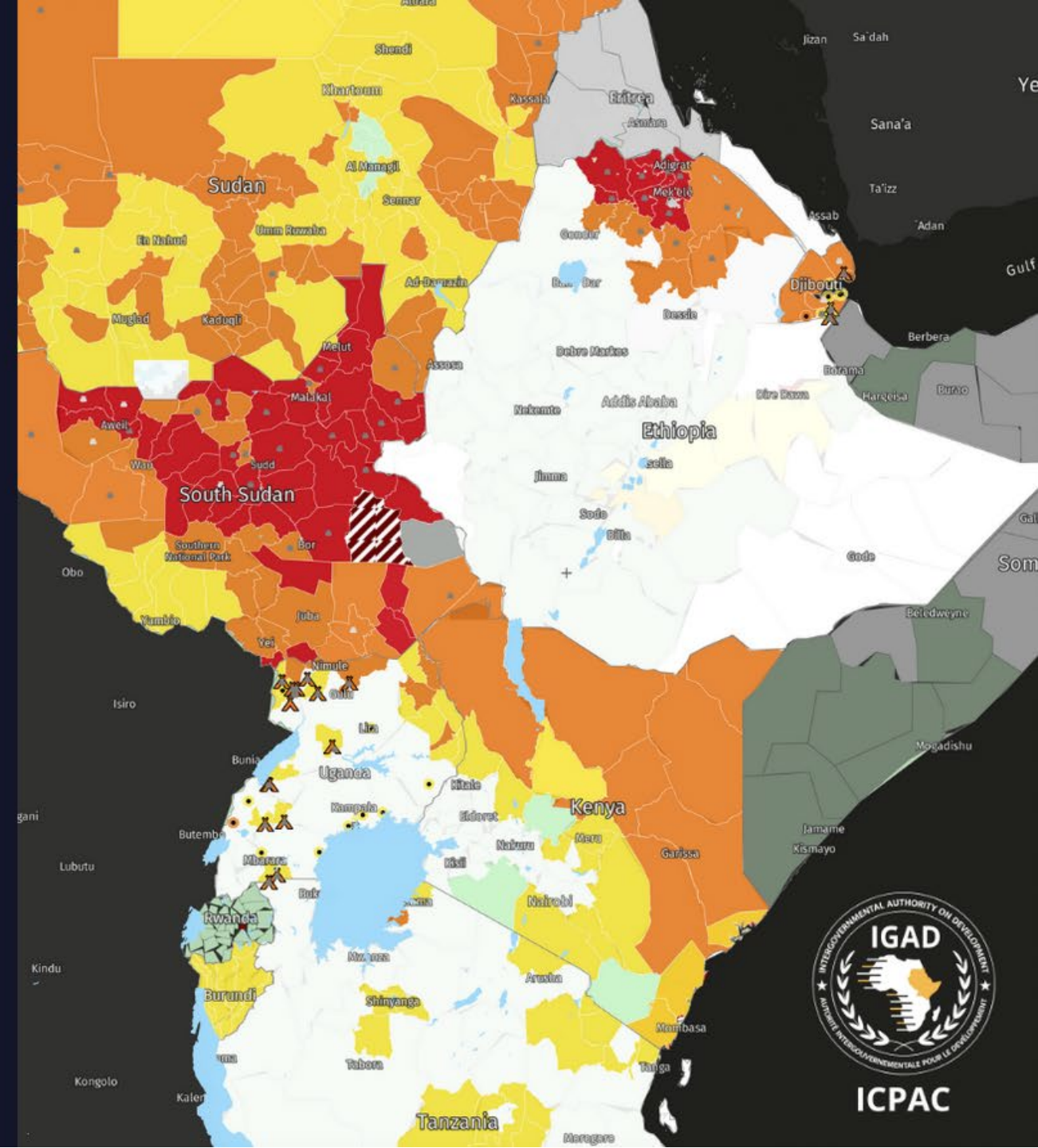
- One Stop Shop for MHEWS.
- From Analysis Ready Data to Decision Ready Information
- Built on Open-Source platforms to ensure sustainability and continued customization



EAST AFRICA HAZARDS WATCH

FOOD SECURITY

eahazardswatch.icpac.net

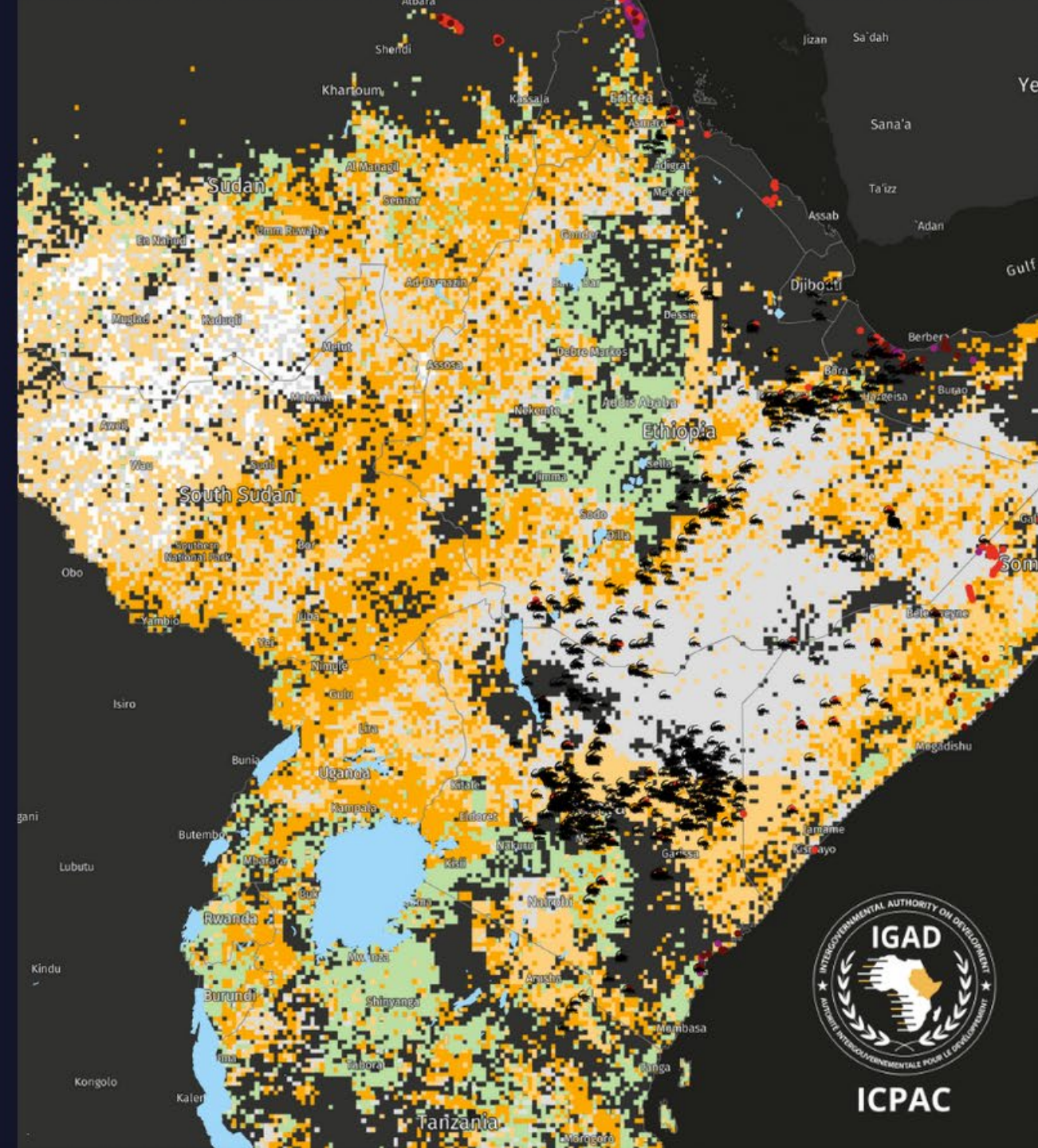


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EAST AFRICA HAZARDS WATCH

PESTS

eahazardswatch.icpac.net





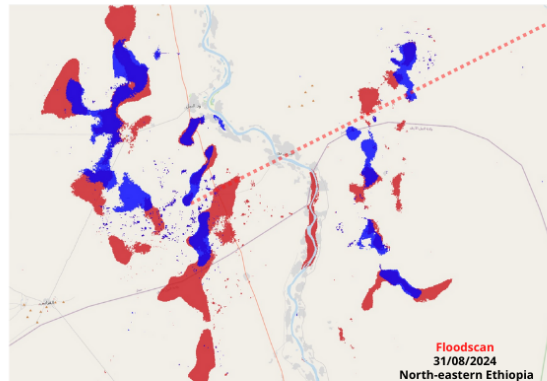
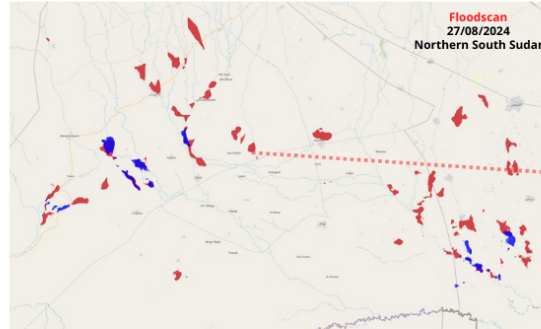
Disaster Operations Centre - Floods Update

IGAD Multi-Hazard Early Warning Early Action - Situation-Room

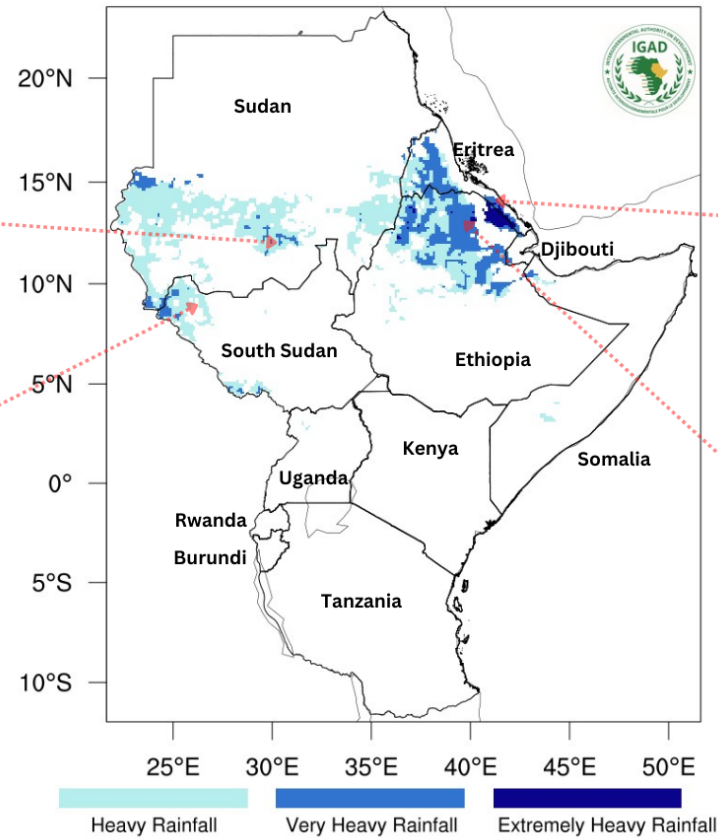
Issue No. 059

September 02, 2024

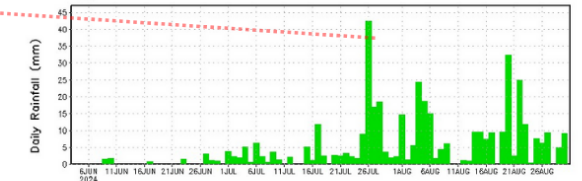
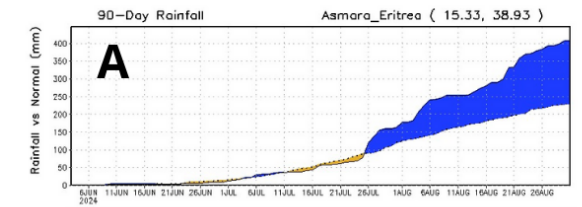
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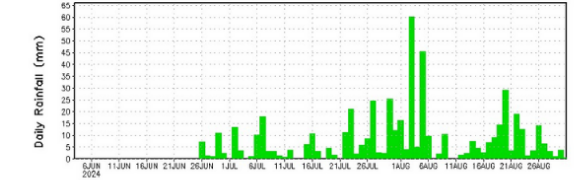
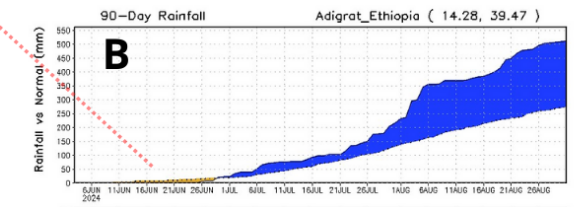
Exceptional Rainfall for 03-10 Sep 2024



RFE2 Point Time Series

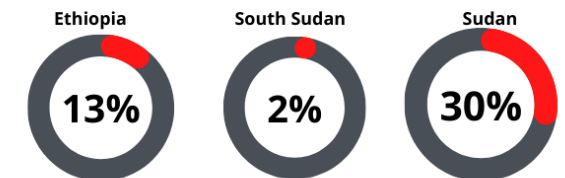


RFE2 Point Time Series



Estimated population exposed by countries:

In percentage under extremely/very heavy rainfall area



Situation Overview

- Flash-floods were observed last week in South-eastern Sudan and Northern South Sudan, A flood scan of 27/08/2024 and 31/08/2024 are shown above (in red). Source: Flood scan
- Southern Eritrea and Northern Ethiopia received rainfall in the past week, with daily accumulation in Asmara, Eritrea reaching up to 43mm (A) and Adigrat, Ethiopia receiving up to 60mm (B).

Advisory for the next 7 days

- The expected very heavy rainfall over few places in parts of western Eritrea, northern Ethiopia, and western regions of both Sudan and South Sudan is likely to lead to floods.
- Communities in the areas at risk are advised to exercise caution during this period.





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At a glance



Intensity expected to peak to 110 km/hr in 24 hrs



Excessive amount of rainfall in a short time



Strong winds and rip currents

Historical events over Eastern Africa

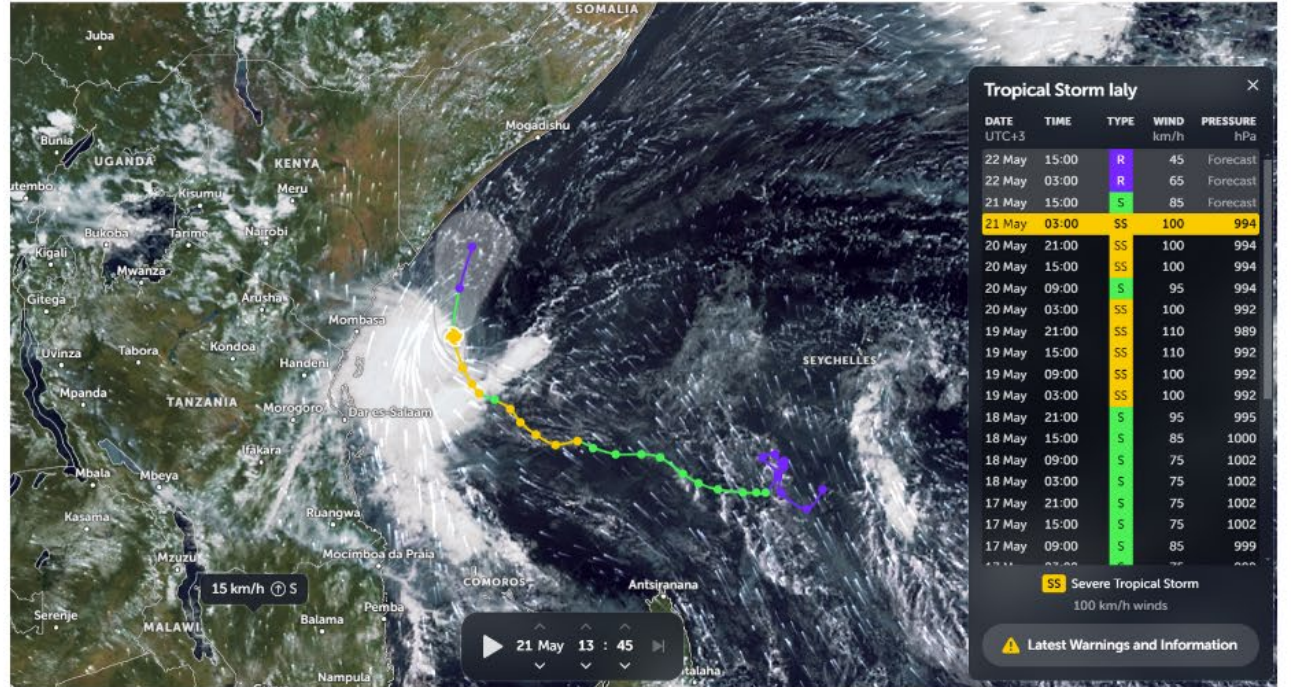
- **Zanzibar Cyclone** was observed on 14th April 1872. *Source: Msemo et al., 2022.*
- **Lindi Cyclone** was observed on 15th April 1952. *Source: Msemo et al., 2022.*
- **Cyclone Kenneth** was observed on 25th April 2019. *Source: Msemo et al., 2022.*
- **Cyclone Hidaya** was observed on 28th April 2024. *Source: Meteo France & ZoomEarth*
- **Cyclone Ialy** was observed on 21st May 2024. *Source: Meteo France & ZoomEarth*

Situation Overview

As of May 2024, Eastern Africa has experienced severe flooding and landslides. This has impacted nearly a million people in Kenya, Somalia, and Tanzania. The heavy storm waters caused flooding, mudslides, severe damage to key infrastructure, as well as loss of crops and livestock, and thousands displaced. In Kenya, the floods were triggered by unusually heavy rainfall since April resulting in at least 228 deaths and displacing 212,630 people. 41 out of 47 counties in the country have been affected. In Somalia, the recent floods have affected about 160,000 people while in Tanzania, the deluge has impacted 210,000 people and claimed 161 lives. *(source: UNICEF/OCHA)*

Disaster Operations Centre - Tropical Cyclone Update (Ialy)

Special Issue No. 002 May 21, 2024

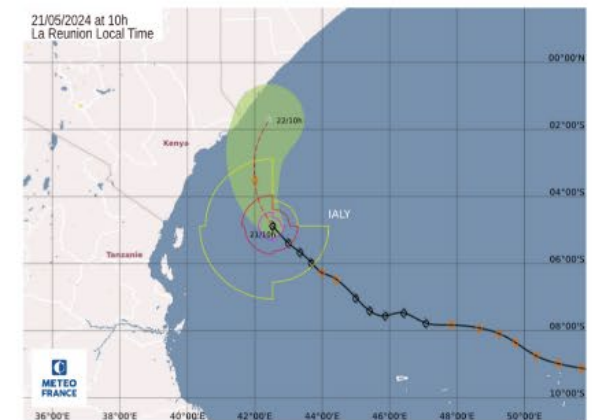


Forecast

- Tropical Cyclone Ialy is currently at a severe warning level and is forecast to affect coastal Kenya and Somalia. The storm is anticipated to weaken by the afternoon of 22nd May. The cyclone is located 4.9° South/42.5° East, less than 350 km from Pemba Island (the southernmost) north of the Zanzibar island, Tanzania) and Mombasa (Kenya) at a speed of 13 km/h.

Advisories

- Small boats and crafts should avoid deep-sea areas.
- Secure loose objects/roof that could become projectiles in high winds, and reinforce windows and doors.
- Prepare emergency kits with non-perishable food, medications, and water to last several days.
- Prepare for alternative means of power and monitor local news for updates.



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The use of political boundaries, geographic names, related information, and potential considerations for response are for references, not warranted to be error free or implying official endorsement by the IDOC or from ICPAC Member Countries.



Data/Infor Sources: <https://zoom.earth/storms/hidaya-2024> and the IGAD-Member RSMC La Réunion-Tropical Cyclone Centre

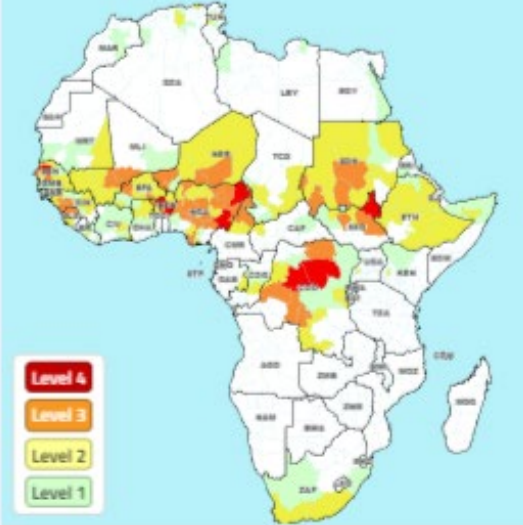
Reference: Msemo, H. E., Finney, D. L., & Mbuya, S. I. (2022). Forgotten accounts of tropical cyclones making landfall in Tanzania. *Weather*, 77(4), 127-131.

Contact: disaster-risk-management@igad.int

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

From September 2, 2022 to September 6, 2022

Multi-Hazard assessment



Extreme Precipitation



Wind Storms



River Floods



Support to continental Bulletin Production

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



Ministero degli Affari Esteri
e della Cooperazione Internazionale



AGENZIA ITALIANA
PER LA COOPERAZIONE
ALLO SVILUPPO



Africa Multi-hazard Early Warning and Action System



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Thank You



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