



International Water  
Management Institute



# AWARE: A digitally enabled governance platform for effective anticipatory action ahead of climate shocks

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*Program of the 10th Joint Project Team Meeting (JPTM2025),  
11 Feb 2026, Dubai*

Research and Innovation for Water Security  
**Driving Action • Propelling Change**



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# Why Anticipatory Action is Critical

**Costs for climate disasters to reach \$145 billion in 2025, says Swiss Re**



Illustration shows Swiss RE logo · Reuters

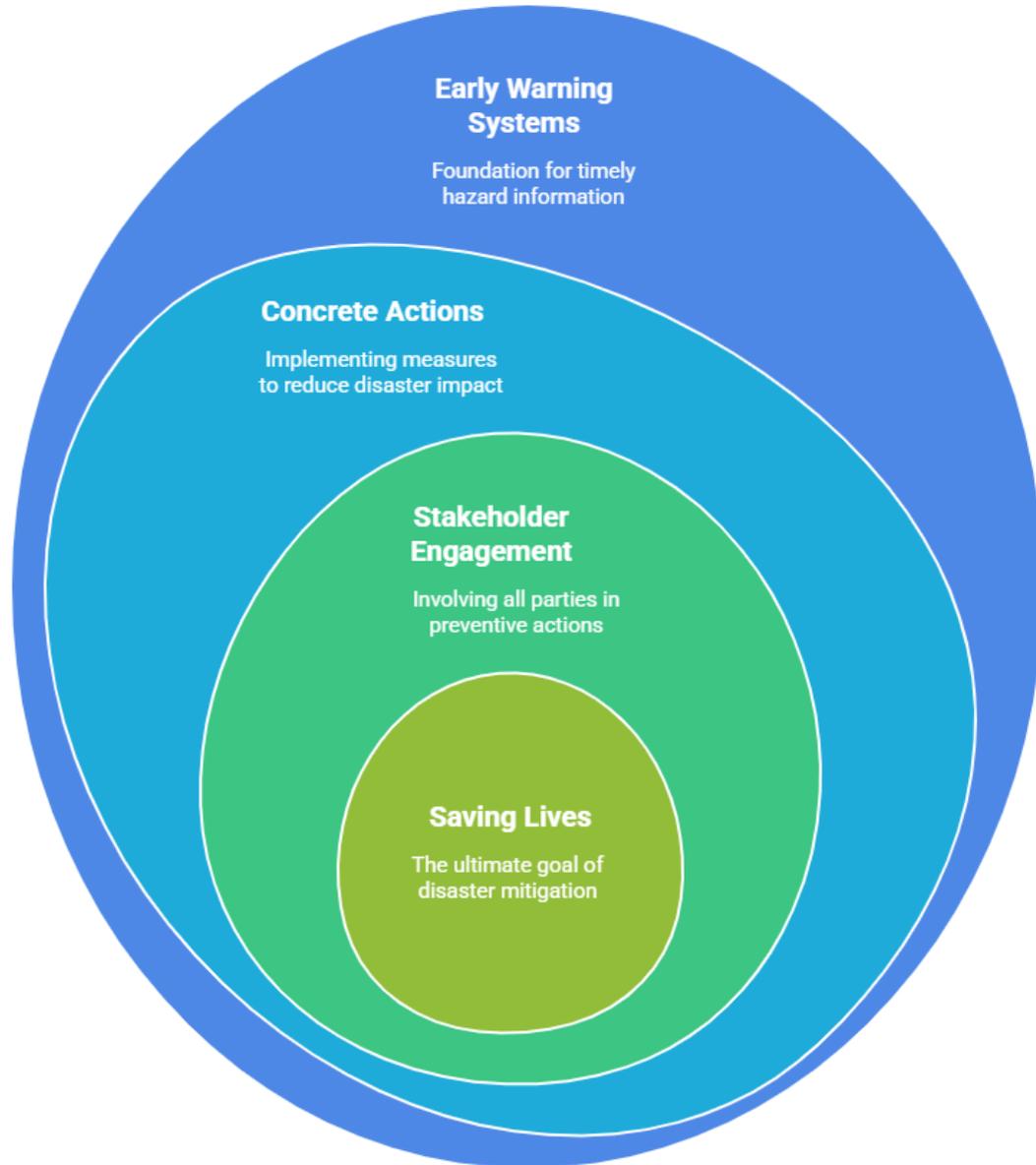
Reuters

Tue 29 April 2025 at 1:34 pm GMT+5:30 · 1 min read

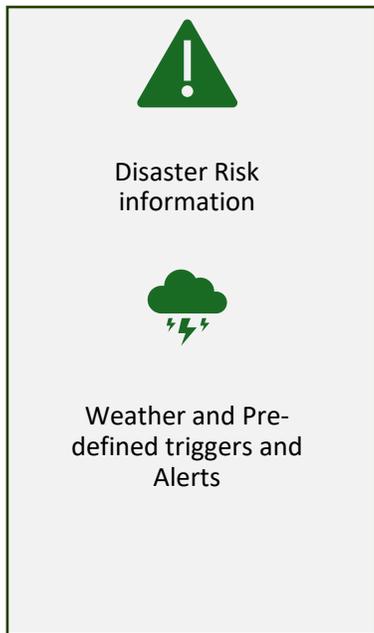


- **Escalating climate extremes, fragile governance, and rapid urbanization** heighten risks—making anticipatory action indispensable for protecting lives and sustaining development gains.
- **Early warning and anticipatory systems**, particularly for fragile and conflict-affected areas, are now essential components of climate resilience.
- The **CGIAR Climate Action Program** and partners unite scientific forecasting, institutional innovation, and local ownership to drive proactive, scalable resilience solutions.

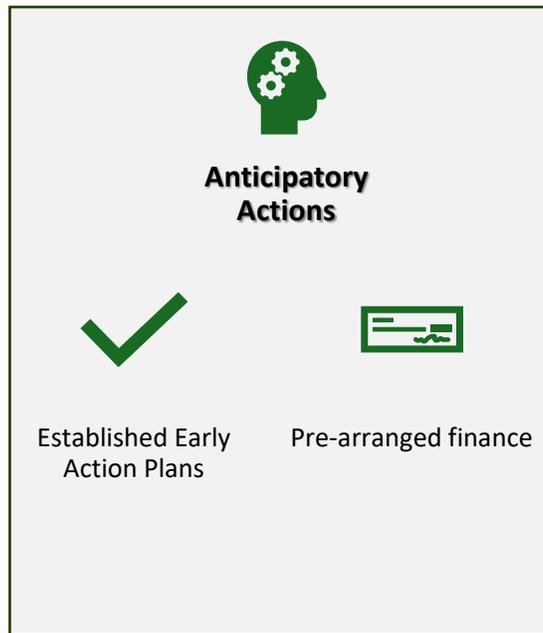
# Why AWARE?



# How does AWARE Work?

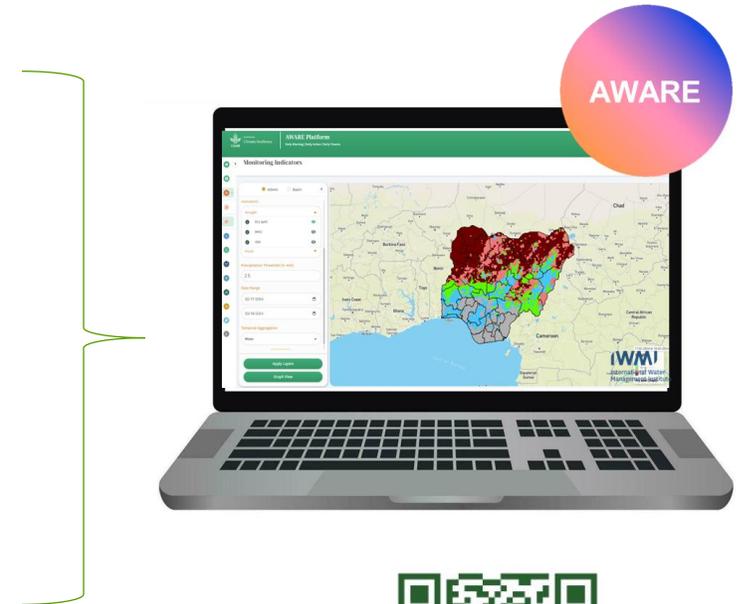


Early Warning



Early Action

Early Finance



# AWARE Platform

- Interconnectedness of early warning early action
- Near real-time data indicators (Floods, drought) for climate risk preparedness and promote anticipatory response mechanism
- Collaborative platform across multi-institutions, multi-scale, multi-sector
- Promotes inclusive governance and clear roles and responsibilities
- Ability to integrate with existing platform

**AWARE Platform** Development Version English ANACIM

Effective Governance and Institutional Arrangement

### About ClimBeR

ClimBeR or Building Systemic Resilience Against Climate Variability and Extremes will address this challenge as part of CGIAR's new research portfolio that will deliver science and innovation to transform food, land, and water systems in a climate crisis. ClimBeR aims to transform the climate adaptation capacity of food, land, and water systems in six countries: Guatemala, Kenya, Morocco, the Philippines, Senegal, and Zambia, ultimately increasing the resilience of smallholder production systems to withstand severe climate change effects like drought, flooding, and high temperatures. [Learn more](#)

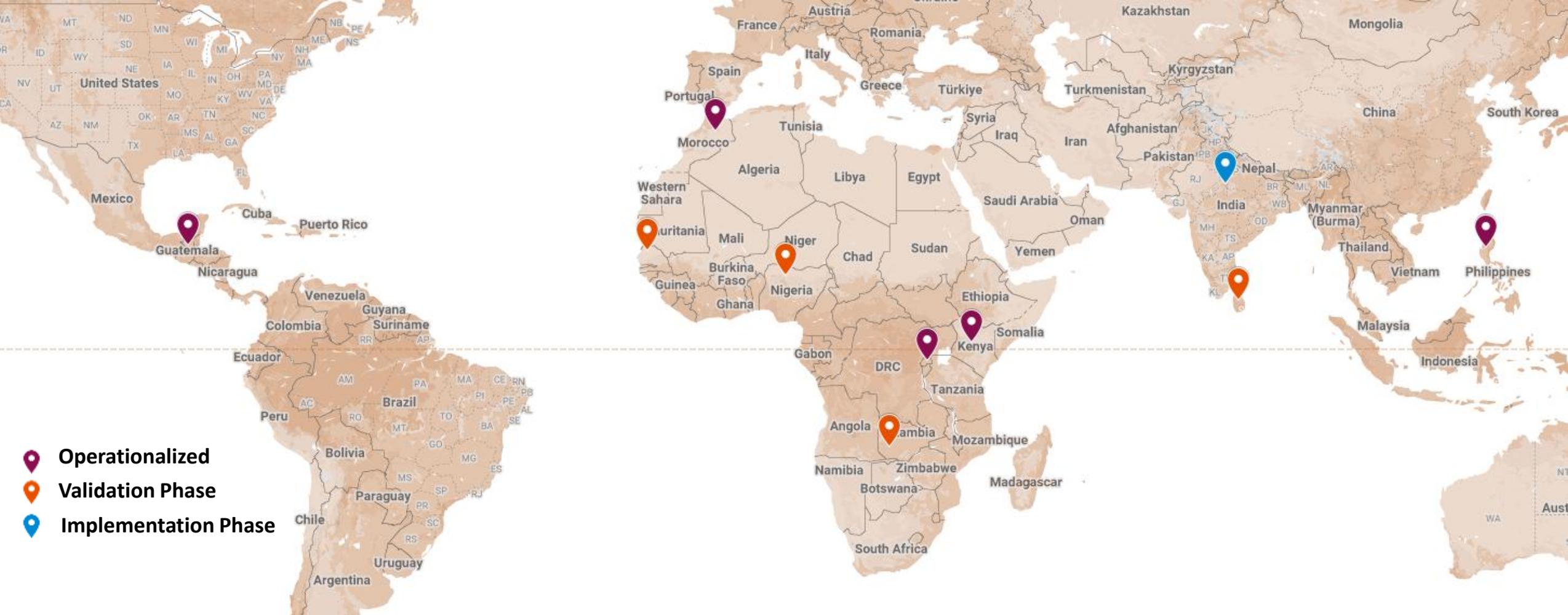
### How Aware Works

[View Dashboard](#)

- Early Warning**  
The tool allows the users to monitor past and current climate and vegetation conditions, floods and drought severity, health related issues, and price fluctuation of major crops to anticipate the future condition and early actions.
- Early Action**  
This tool summarizes the actions to be measured for different stages of disasters using the Early Warning module to mitigate climate through proactive drought management measures.
- Early Finance**  
Provides overview and reporting of early finance opportunities based on the actions taken by institutes.
- Online Bulletin**  
This tool helps to disseminate drought related information to guide various users for timely early action and decision-making process.
- News Feed**  
This space is to learn various information related to drought, water scarcity and food security from CGIAR and relevant institutions on the news contents, publications, and various other resource materials.
- User Guide**  
User guide provide opportunity for users step wise procedure on the various knowledge products of AWARE for quick access and information sharing.
- Alerts**
  - SPI | Dakar**  
Department of Meteorology  
Moderate
  - Rainfall Deficit | Kolda**  
Department of Health  
Extreme
  - Dry Spell | Thies**  
Department of Health  
Severe
  - NDVI | Tambacounda**  
Department of Health  
ModerateTotal 37 alerts [View All](#)

## AWARE Framework: Novelty, Innovation and Impact

Characteristic	Novelty	Innovation	Impact
 <b>Key Features</b>	Integrated early warning and finance link	Advanced tools for precise early warnings	Reduced disaster impact through early action
 <b>Collaboration</b>	Multi-sector partnerships for cohesive response	Interactive platform for decision support	Strengthens governance by bridging anticipation gaps
 <b>Adaptability</b>	Global operation across diverse geographies	Mechanisms for early financing introduced	Successful implementation benefiting multiple countries



- 📍 Operationalized
- 📍 Validation Phase
- 📍 Implementation Phase

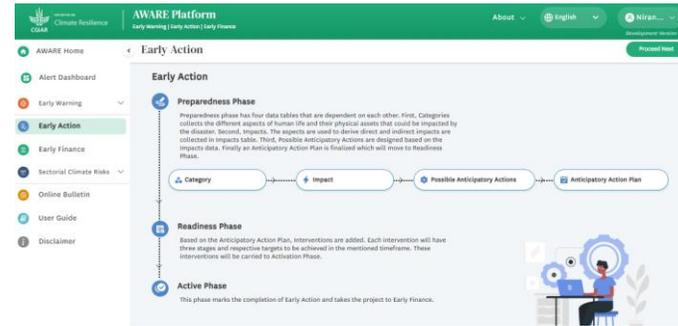
# AWARE - Development Phase

- National Platform
- Early Warning components on floods, drought and landslides available
- Standard AA Protocols completed
- Alert Dashboard in progress

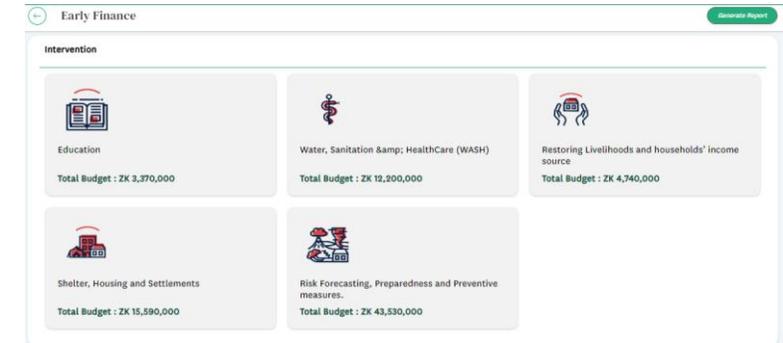
# AWARE Platform



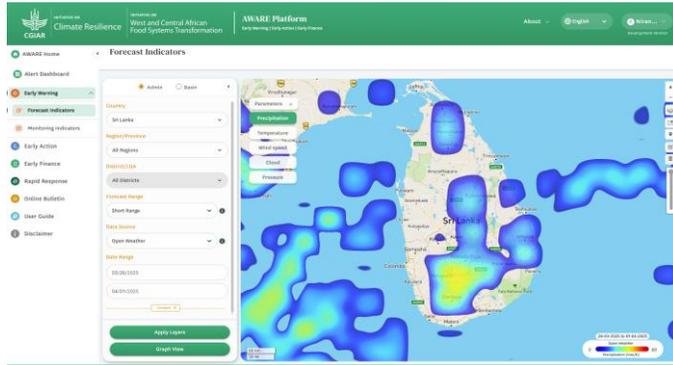
## Early Action Plans



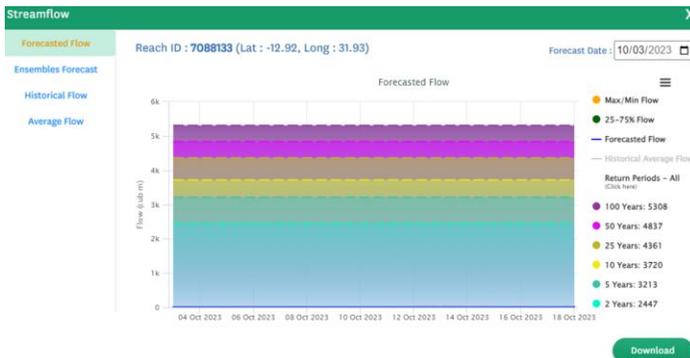
## Early Finance Module



## Early Warning Module



## Early Warning Module (Flood Trigger)



## Flood simulation drill in Nuwara Eiliya District, Sri Lanka





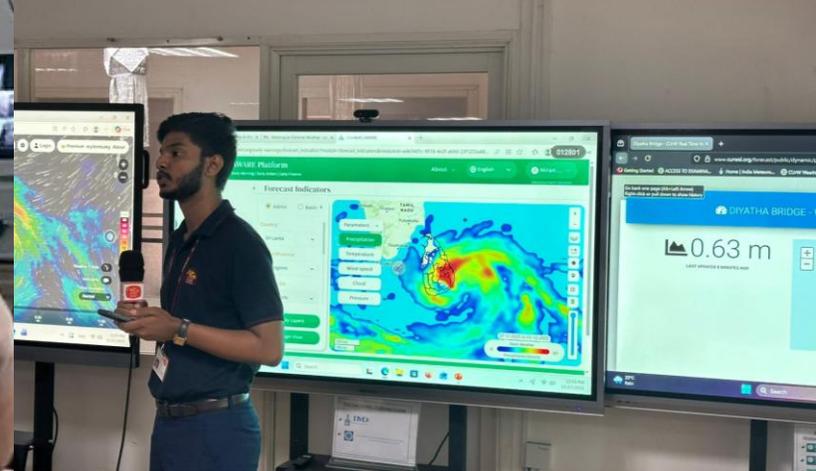
**Early Warnings for All**



**CGIAR  
CLIMATE  
ACTION**



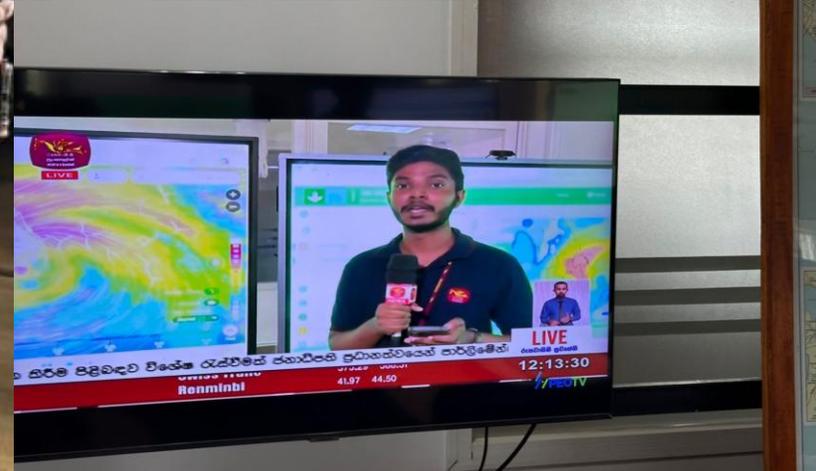
Early Action Simulation Drill with multi-stakeholders in Sri Lanka



# AWARE Live

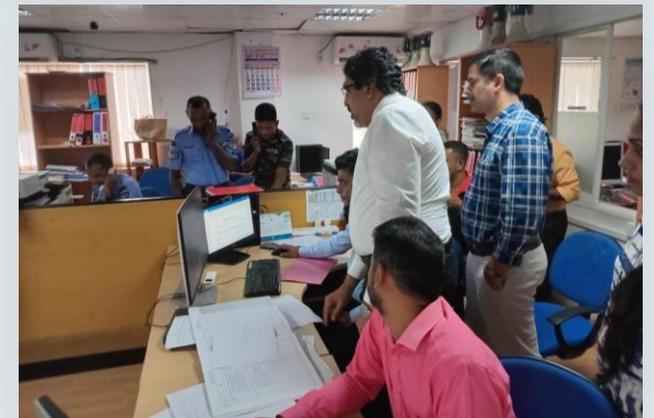
## Ongoing Flood Situation in Sri Lanka

27/11/2025



# Disaster Situation Reporting tool

28/11/2025



# IWMI Board Member Visit to AWARE Project Site in Sri Lanka

- DMC
- Save the Children
- Sahana



# Thank you

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Source: IWMI



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