



Digital
Convergence
USP 2030

Interoperability in action

A workshop series for developing and testing
standards for integrated social protection systems

Social protection systems interoperability with early warning systems

March 24, 2026 | 12:00-14:00 GMT



Co-funded by:



European Union



Coordinated by:



International
Labour
Organization



THE WORLD BANK





Anita Mittal

GIZ

Opening Remarks

Welcome



Housekeeping Rules

- Ask your questions in the Q&A box
- Share any comments or resources in the chat
- Simultaneous interpretation is available
Select the language in the interpretation icon on control bar
(English, French, Spanish, Portuguese available)
- Session will be recorded



To: Everyone ▾



Your text can be seen by panelists and other attendees



Agenda

12:00 – 12:10

Welcome

12:10 – 12:40

Interoperability of SP-Systems & Early warning Systems

12:40 – 13:00

Countries

13:00 – 13:30

Solution Providers

13:30 – 13:50

Open Discussion

13:50 – 14:00

Closing & Next Steps

Interoperability in action

A workshop series for developing and testing standards for integrated social protection systems

Social protection systems interoperability with early warning systems



Anita Mittal
GIZ



Joe Zaarour
WFP



Edwin Gonzales
OpenSPP



TBD
Cambodia

Athanase Akumuntu
Rwanda



Gabirela Nobre
PRISM



David Wilkie
Chatterbox



Nina Bekele
Google

About the Initiative

The **Digital Convergence Initiative (DCI)**, launched in Sept 2021, is a joint effort by USP2030 to support the **digital transformation of social protection systems**.

Coordinating partners with funding support from EU in addition to BMZ

Co-funded by



Coordinated by



Expanding Community with other Stakeholders

International Organizations

DPGs

Country
Representatives

Private Sector

Similar Other Initiatives

External Experts

Our Approach



Open and collaborative **digital knowledge base** on digital social protection

Knowledge products:

- ✓ Case studies and reports
- ✓ Guides and toolkits
- ✓ Learning briefs

Events:

- ✓ Webinars
- ✓ In-person workshops and conferences



Global effort to harmonize **technical standards for interoperability**

- ✓ Transparent, multi-stakeholder, consensus-building processes to **develop standards**
- ✓ Open **digital repository** of technical standards
- ✓ Engagement with solutions providers and practitioners to **promote adoption**



Digital transformation and interoperability **country support**

- ✓ Direct **implementation** in twenty one selected countries
- ✓ The **Helpdesk** as a technical support facility for expanded outreach to countries to guide on Digital Transformation



Strengthening institutional and human **capacity**

- ✓ Structured **peer learning** opportunities through cross-country exchanges
- ✓ Modular, adaptable and practice-oriented **training programs**, designed for country-specific contexts

Interoperability in Action Workshops

Workshops series by DCI to demonstrate **live interoperability** of SP-Systems with other systems for effective and efficient delivery of Social Protection (SP) programs.

Deep dive into one interface showcasing SP system interaction with other systems (eg payment, CRVS, ID, Farmer Registry, Disability Registry, Social Registry, Employment systems):

- Share the understanding of process workflow, data elements, and technical APIs that are required for interoperability.
- Create awareness on the benefits of interoperability through use-cases
- Demonstrate live the interoperability using digital public goods for some use cases
- Hear from the stakeholders and subject matter experts on the topic

Recordings of Past Sessions Available

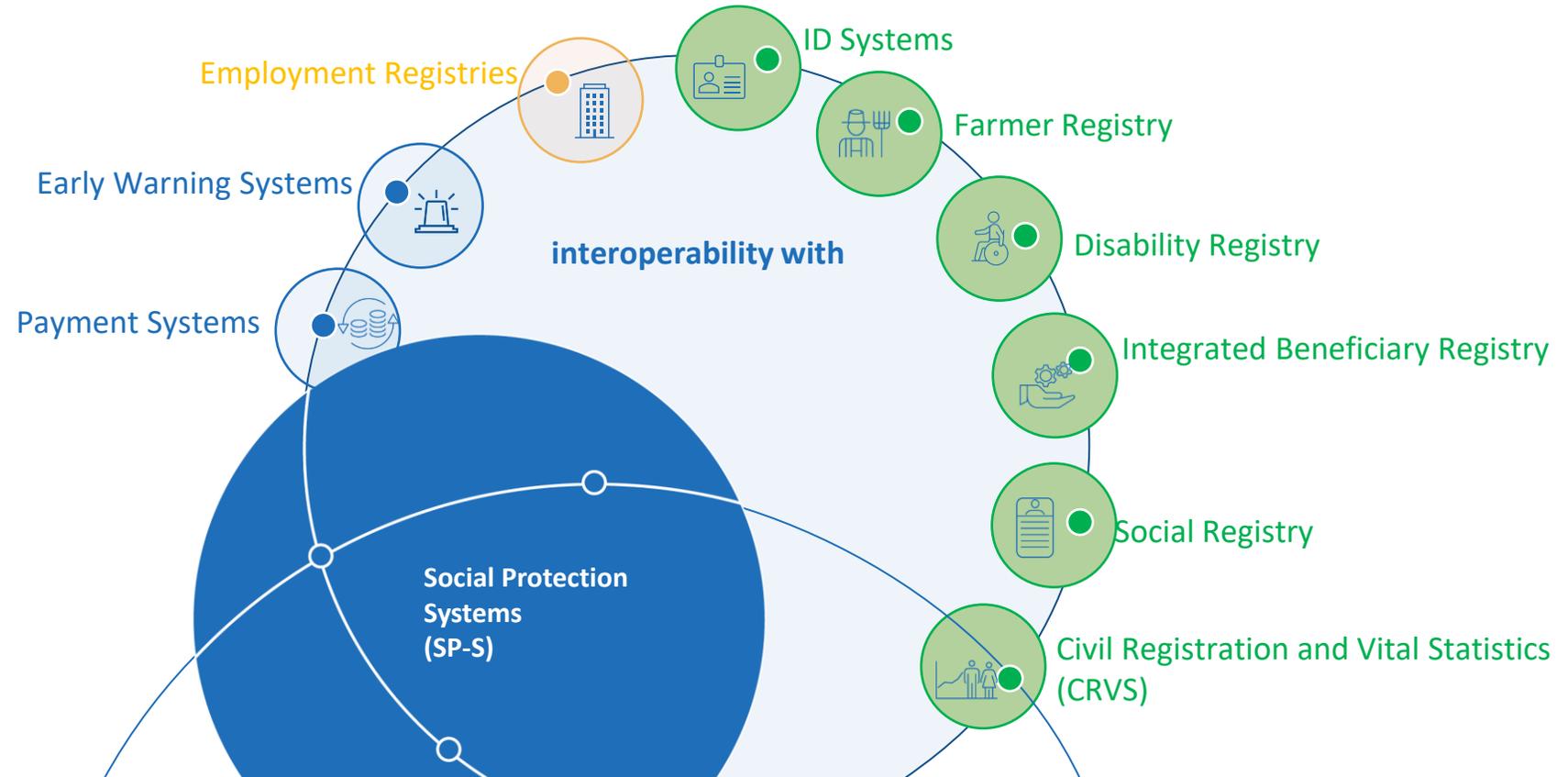
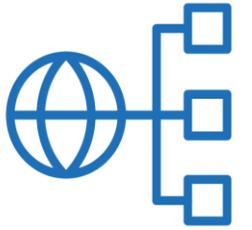
The image displays a grid of six event cards, each representing a past session. Each card features a distinct icon, a date, a 'Past event' label, a 'Interoperability in action' tag, a main title, and a 'LEARN MORE' link with a right-pointing arrow.

Date	Event Title
Nov 18, 2025	Social protection systems interacting with employment systems
Aug 24, 2023	Integrated beneficiary registry and social protection systems
Jul 13, 2023	Social registry and social protection systems
Jun 8, 2023	Disability registry and social protection systems
Apr 27, 2023	Farmer registry and social protection systems
Feb 21, 2023	Identification systems and social protection systems

[Past Events – Interoperability in Action](#)



Interoperability Standards Interfaces





Joe Zaarour
WFP

Context Setting





Moderation

Discussions designed to stimulate a free exchange of ideas among those interested in the topic and to assure those supporting the work that it rigorously examines its strategies,

Joe Zaarour | [Digital social protection advisor](#) - WFP Program division, School Meals, Social Protection and Nutrition



Disclaimer

- We do not endorse any products or solutions; they are introduced for discussion purposes only.
- Data minimization, protection, privacy, security, and consent remain essential and context-specific. “Open-source” is relative and should be interpreted carefully.
- Today’s discussion aims to stimulate a free exchange of ideas and to ensure that strategies and results are rigorously examined.
- The content does not necessarily reflect WFP’s policies or views.



Recap from last webinar

- Effective EWS requires translating diverse hazard inputs (satellite, hydromet, AI/ML models) into forecast-based, actionable risk levels.
- Decision thresholds, scenario models, and multi-source validation enable timely alerts and activation of predefined early-action measures.
- Interoperability across technical, operational, institutional, and purpose-driven layers is essential for linking EWS with social protection systems.
- Challenges remain: siloed systems, uneven data quality, insufficient local grounding, legacy infrastructure, lack of standardisation, slow activation.
- The gap: inaccurate or untimely forecasts, high deployment costs, poor integration, limited adaptation to local contexts — all hinder timely, accountable early action.

Why: Anticipatory action + risk-informed social protection + proactive decisions.

What: Floods, droughts, storms, compounding risks.

How: Public-good shared infrastructure that reduces duplication and spreads operational costs.

When: Predictive modelling, deterministic modelling, real-time signals.

Setting the
scene

What we'll explore

- From research to climate resilience: Google partnering with governments and the humanitarian sector to enhance climate forecasting accuracy.
- Community-level risk communication (openEWS): Responsible dissemination of risk data using SMS, Voice (IVR), and MNO integrations.



Edwin Gonzales

OpenSPP

Use Cases:

Demonstration

A demo of interoperability use cases between early warning systems and SP systems

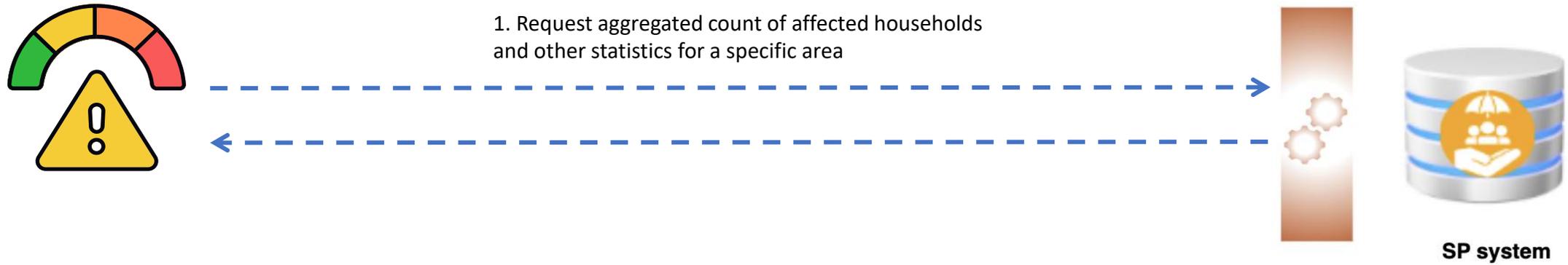


Use Cases for Demonstration

No.	Use Case	Description / Notes
1	EWS request aggregated numbers such as total households	EWS needs to get total poor households in a possible affected area, to assess potential support needs in case of a flood. Key flow: EWS → Social Protection System (Search) .
2	EWS notify an SP system of possible flood in order to send extra cash to affected families	A threshold is reached, the early warning system push an alert to the SP system with affected area location in order to release extra payment. Key flow: EWS -> SP system (notify).

EWS request aggregated counts – PRS.EWS.01

1



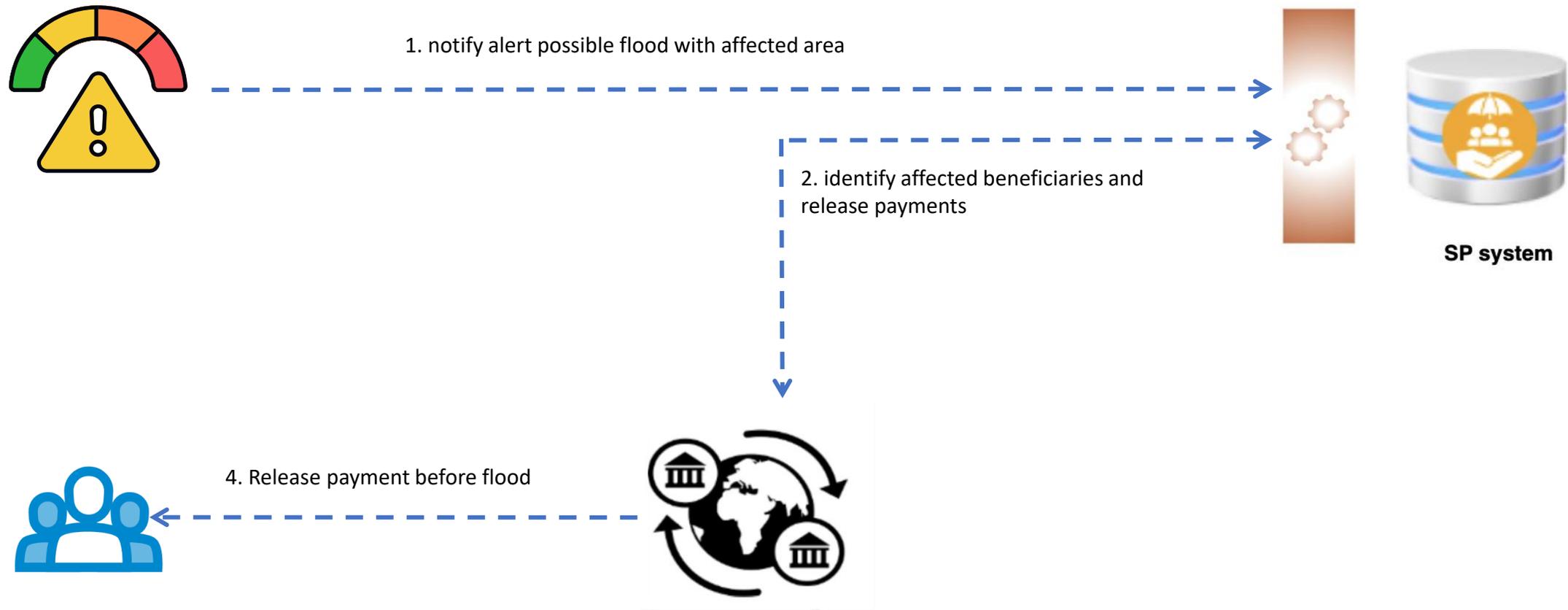
1

Demonstration 1



Digital
Convergence
USP2030

EWS notify SP system of possible flood – PRS.EWS.02



2

Demonstration 2

SP System – Aggregated Impact

URL	{host}/aggregated-impact	Method	POST
Headers	Authorization: Bearer (JWT Access Token)	Content-Type	application/json

Request

```
{
  .....
  "request": [
    {
      "affected_area": {
        "type": "polygon",
        "coordinates": [
          [67.02,34,.05],
          [67.02,34,.05],
        ]
      },
      "aggregation_dimension": [
        "gender",
        .....
      ]
    }
  ]
  ....
}
```

Response

```
{
  .....
  "message": {
    "ack_status": "ACK",
    "records": {
      "total_individuals": 1600,
      "total_households": 500,
      "by_gender": {
        "male": 700,
        "female": 900
      }
    }
  }
  .....
}
```

Early Warning System – Notify

URL	{host}/notify	Method	POST
Headers	Authorization: Bearer (JWT Access Token)	Content-Type	application/json

Request

```
{  
  ....  
  "alert": {  
    "hazard_type": "Flood"  
    "severity_level": "high",  
    "affected_area": {  
      ....  
    }  
  }  
}
```

Response

```
{  
  ....  
  {  
    ....  
    {  
      "message": {  
        "ack_status": "ACK",  
        "timestamp": "2026-03-24T10:20:02Z"  
      }  
    }  
  }  
  ....  
}
```

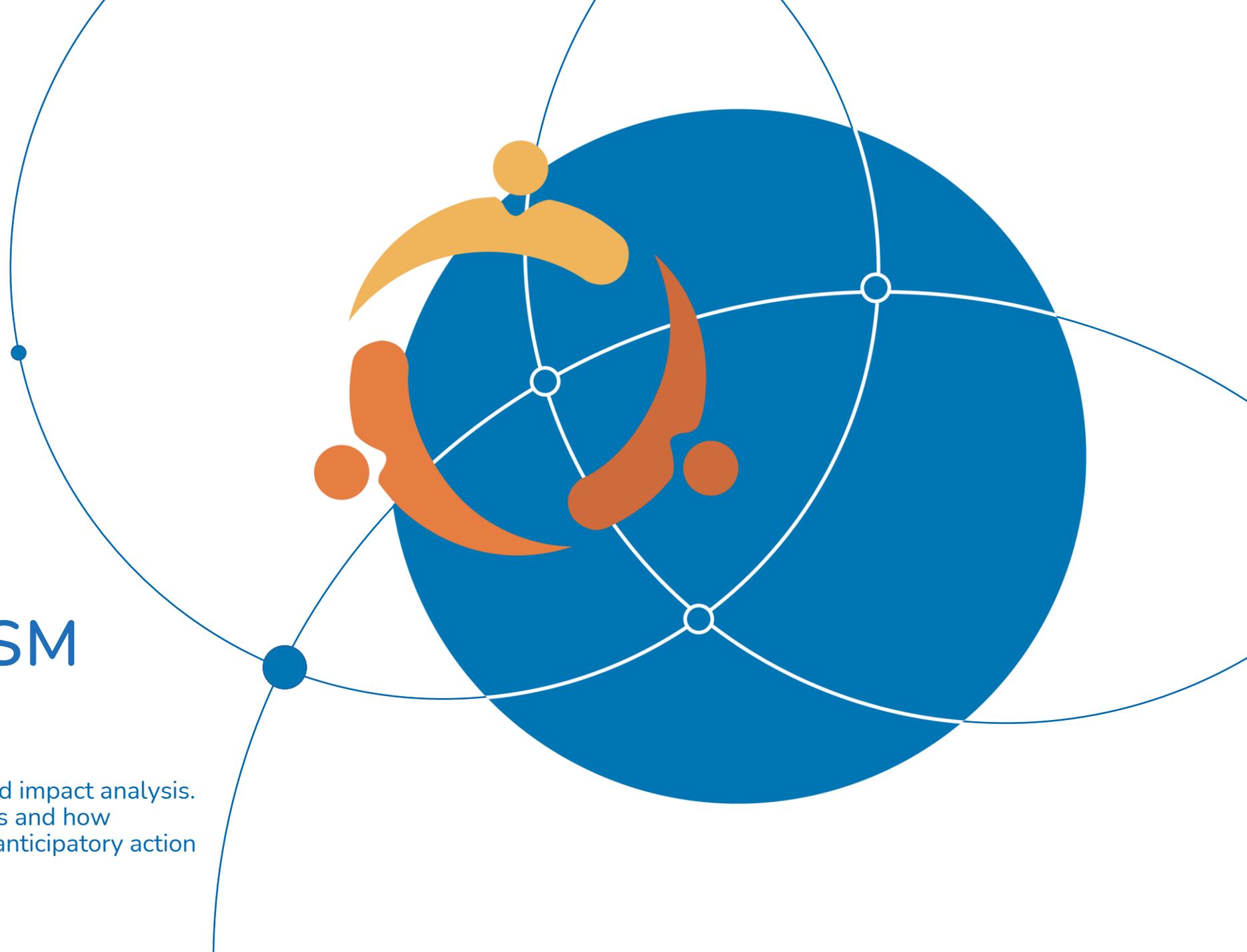


Gabriela Nobre

WFP

WFP: PRISM

PRISM, dashboard for climate risk and impact analysis. A deep dive into PRISM, how it works and how integration with other data enhance anticipatory action



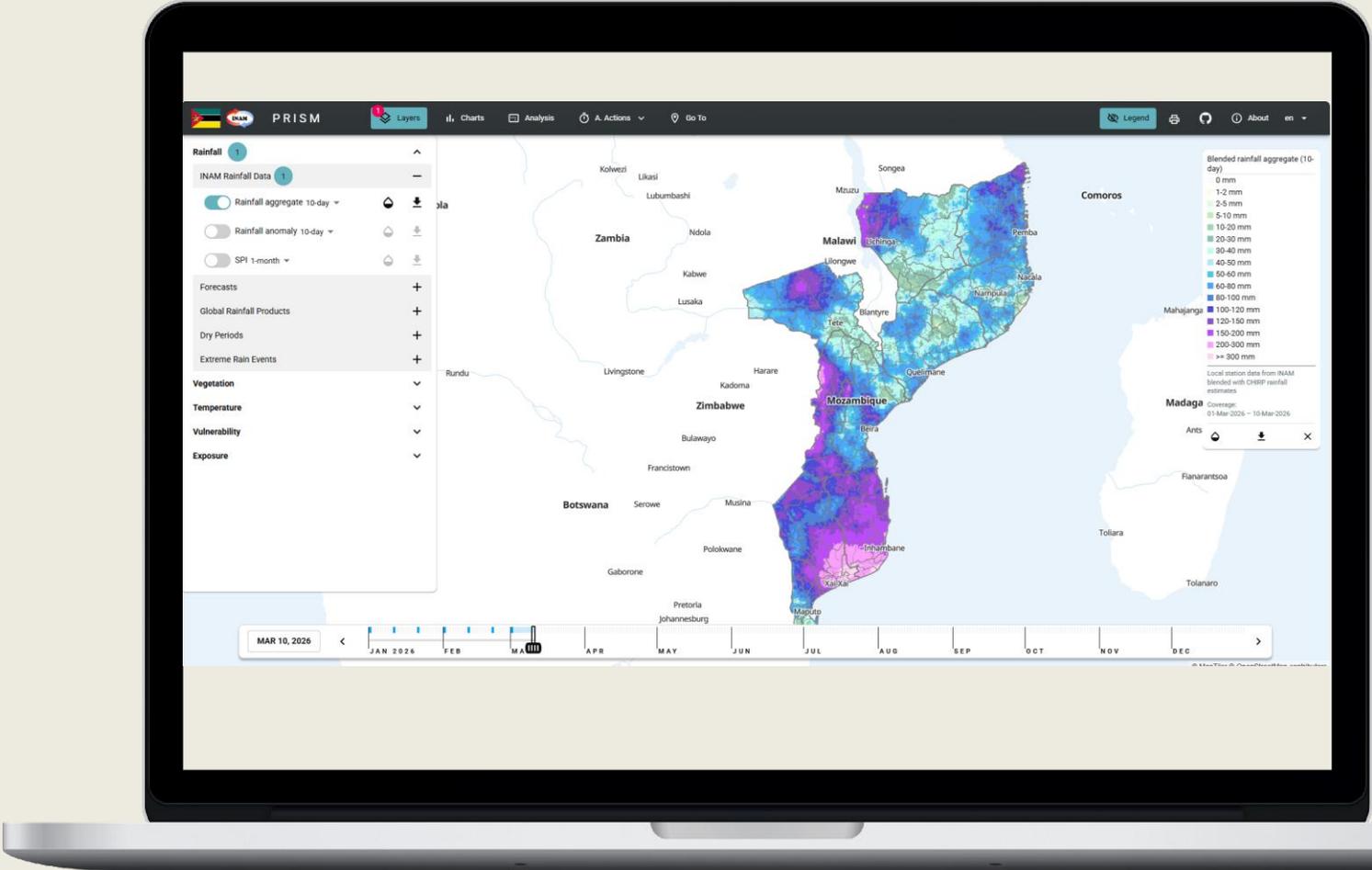


WFP's PRISM: Monitoring weather forecasts for Anticipatory Action

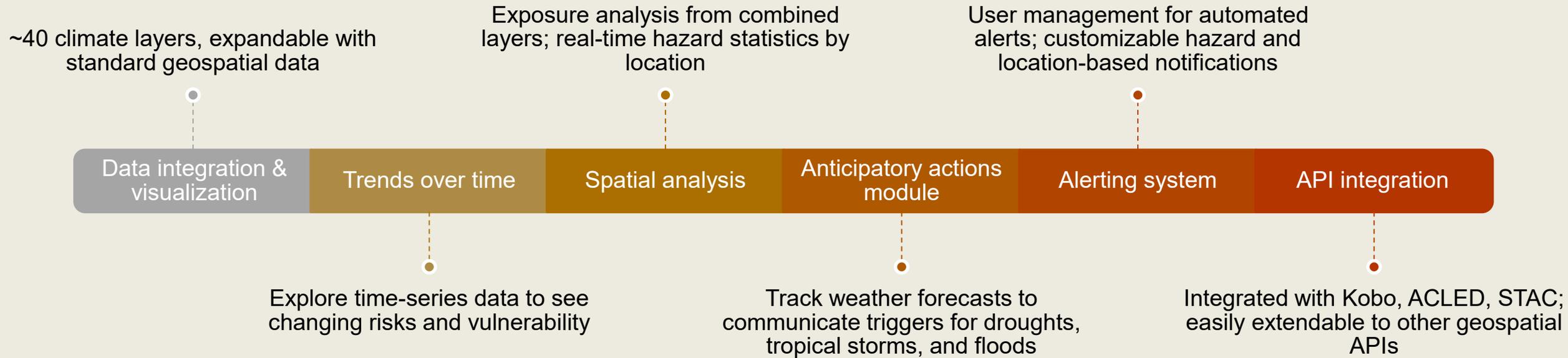
An example of data integration for climate risk monitoring

Gabriela Nobre | GIS & Remote Sensing Unit - WFP Food Security & Nutrition Analysis Division

PRISM: Dashboard for climate risk and impact analysis



PRISM Key Features



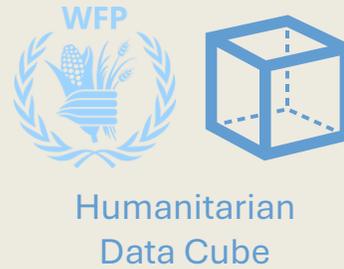
PRISM enables integration, visualization, and analysis of data from multiple sources

Data sources

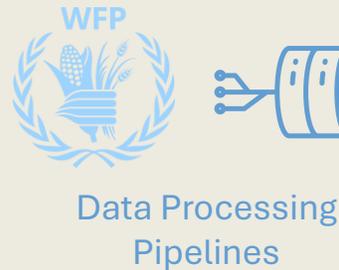
Data processing

Data visualization

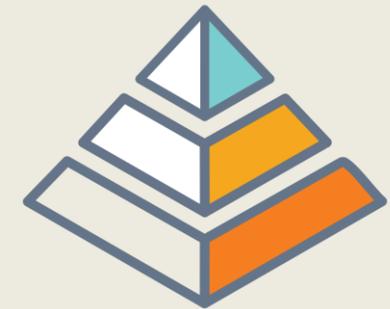
Global observation



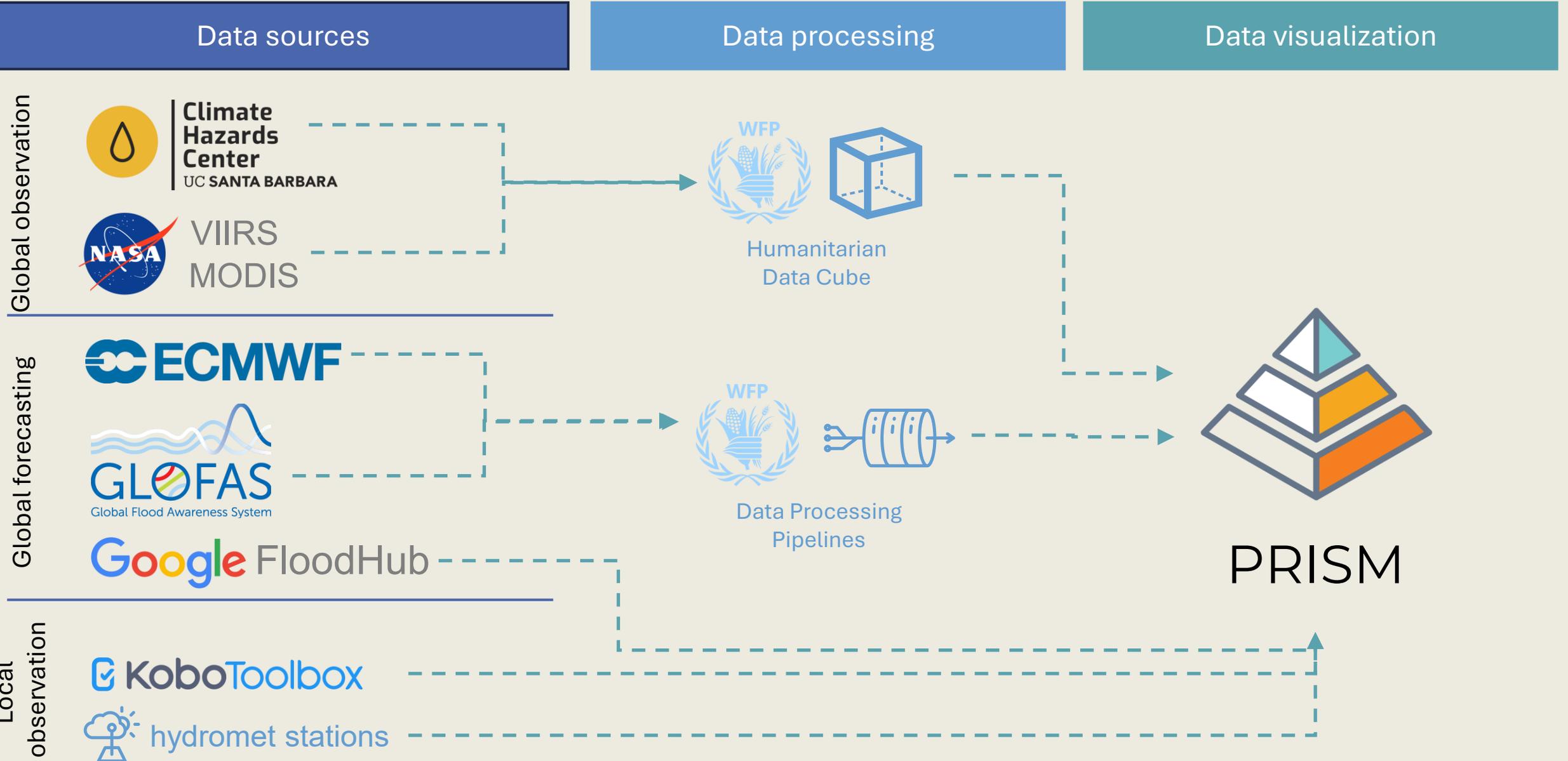
Global forecasting



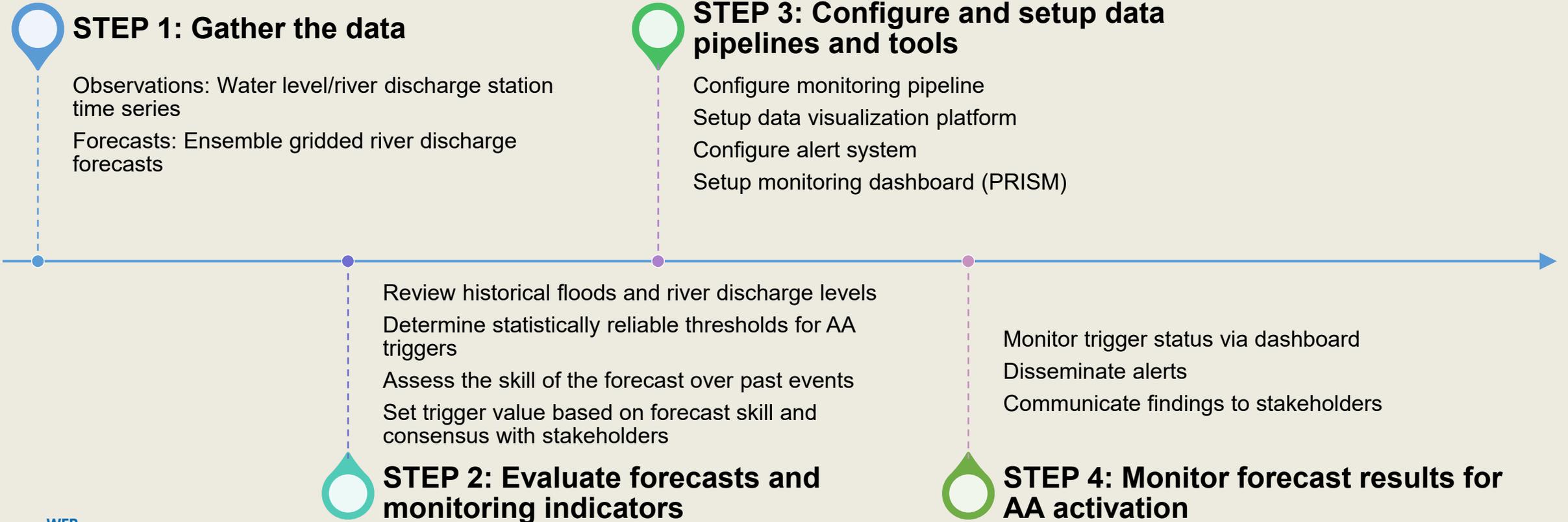
Local observation



PRISM



Workflow: flood forecasting for Anticipatory Action

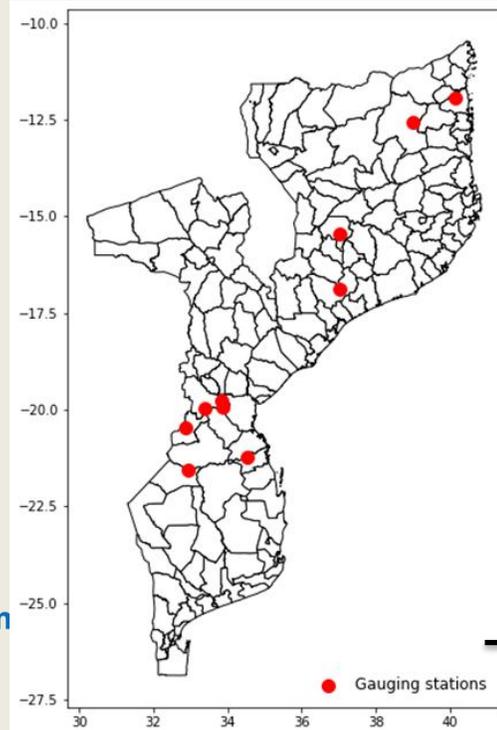


Step 1: Gathering data - an example from Mozambique

Data source	Availability	Variable	Provider
River Gauges	10 gauging stations across Mozambique	Water levels/River discharge*	DNGRH
GloFAS Reanalysis and hindcasts	daily since 1979 and twice weekly from 2003 for hindcast data	River discharge	ECMWF



Date	River Discharge (obs)	River Discharge member 0 (GloFAS)	River Discharge member 10 (GloFAS)
19-Dec-22	4.39	6	5
20-Dec-22	5.1	5.8	5.4
21-Dec-22	5.2	5.9	6
22-Dec-22	4.9	5.5	5.9
23-Dec-22	4.5	5	5.5



Step 2: Evaluate forecasts and setting thresholds

Define the occurrence of floods in both data sources. Thresholds can be determined in different ways, such as:

Local knowledge of the hydrological river network and monitored by national water authority

Based on return period

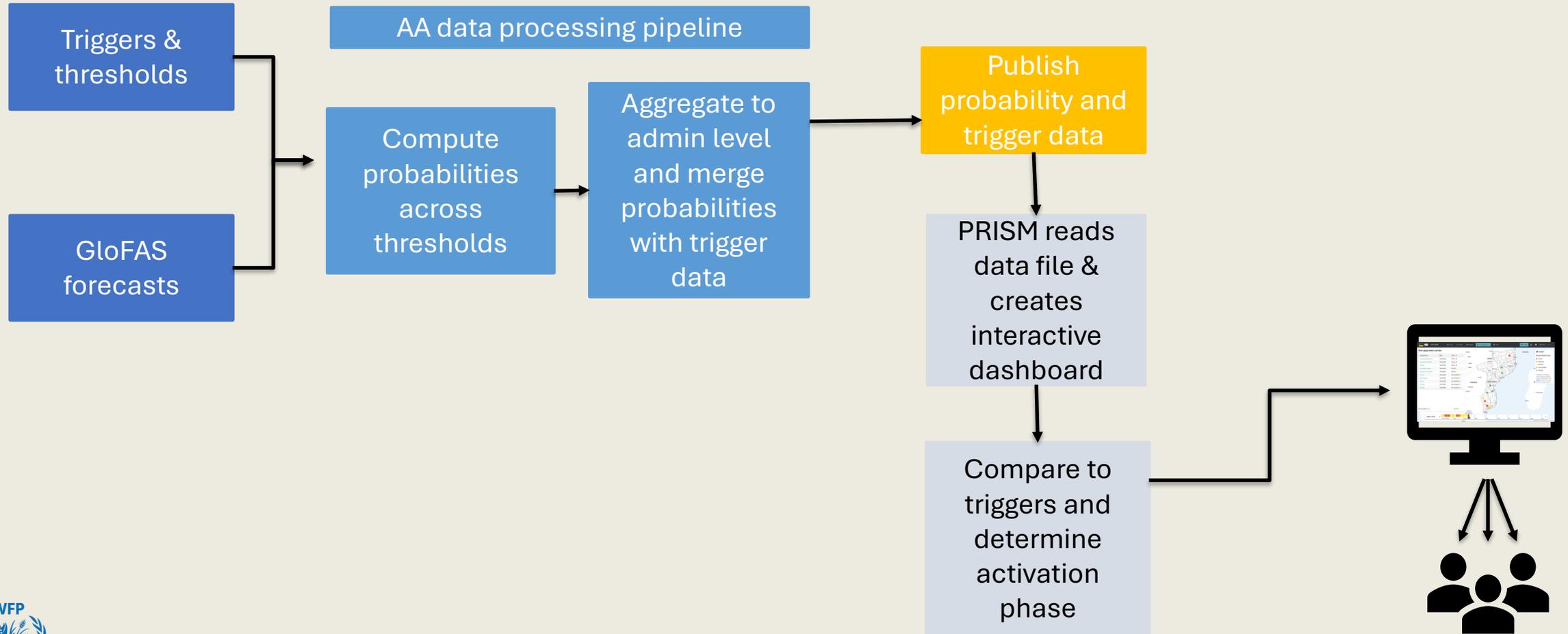
Year	Location	Impact
1997	Mozambique (Zambeze, Incomati, Umbeluzi, Limpopo, Pungue and Buzi Rivers)	87 deaths and 300 000 to 400 000 people affected
1998/1999	Central and southern Mozambique (Sofala, Tete, Zambezia, Manica and Nampula Provinces)	15 deaths and 400 000 people affected
2000	Central and southern Mozambique	800 deaths, 650 000 people displaced, 4.5 million people affected
2001	Central Mozambique (Sofala, Manica and ...)	200 deaths, 220 000 people displaced and 550 000 ...

Past impactful events

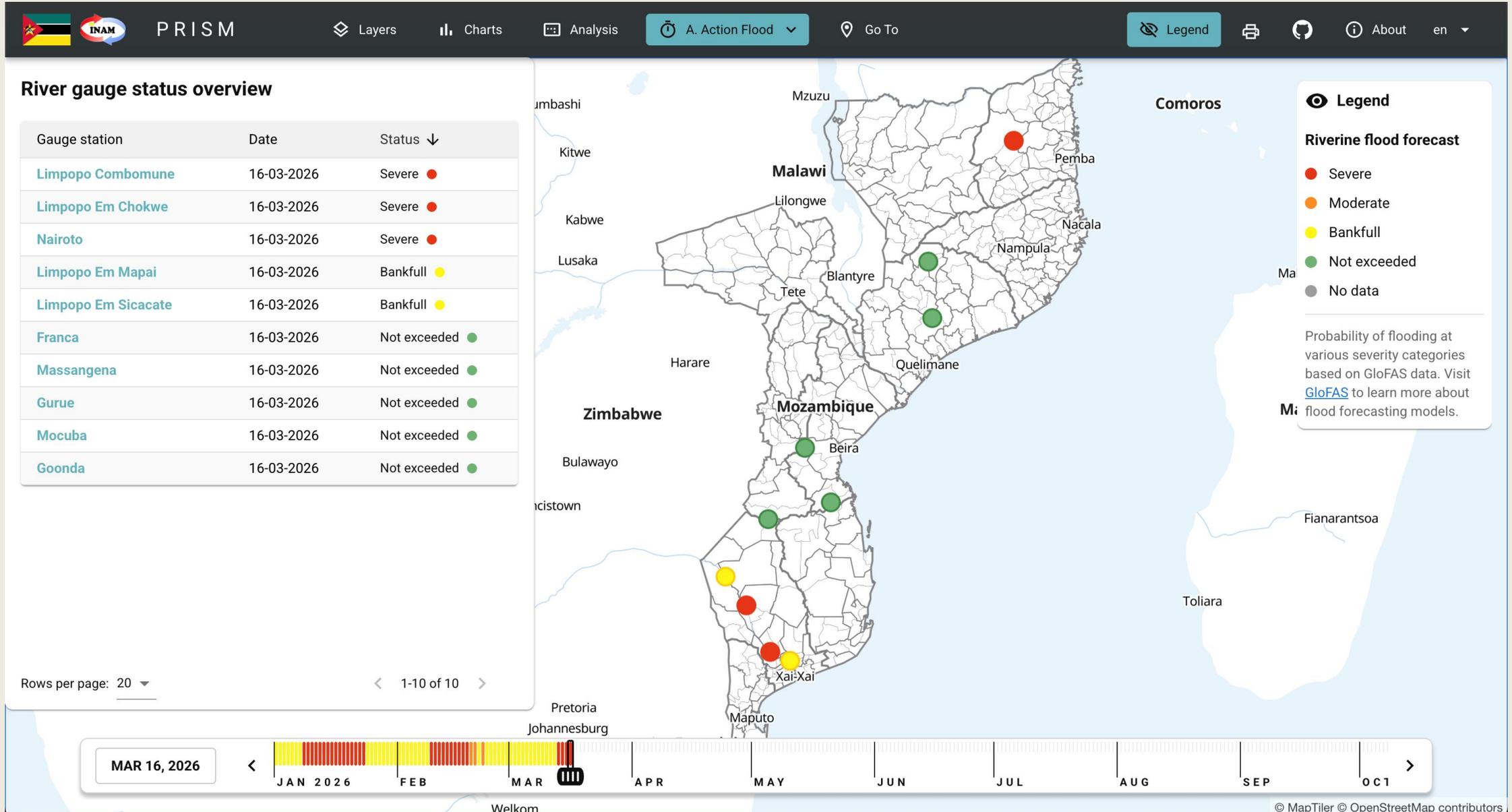


Performance of forecast is measured for every station, at every lead time, across every threshold to ensure operational viability.

Step 3: Configure operational monitoring



Step 4: Monitor forecast results for AA activation through PRISM



Step 4: Monitor forecast results for AA activation through PRISM

PRISM
Layers
Charts
Analysis
A. Action Flood
Go To
Legend
About

River gauge status overview

Gauge station	Date	Status
Limpopo Combomune	16-03-2026	Severe
Limpopo Em Chokwe	16-03-2026	Severe
Nairoto	16-03-2026	Severe
Limpopo Em Mapai	16-03-2026	Bankfull
Limpopo Em Sicacate	16-03-2026	Bankfull
Franca	16-03-2026	Not exceeded
Massangena	16-03-2026	Not exceeded
Gurue	16-03-2026	Not exceeded
Mocuba	16-03-2026	Not exceeded
Goonda	16-03-2026	Not exceeded

Rows per page: 20 | 1-10 of 10

Limpopo Em Chokwe

Trigger probability
Hydrograph

3-day forecast | 5-day forecast

Limpopo Em Chokwe

Trigger probability
Hydrograph

Ensemble Mean | Bankfull threshold | Moderate threshold | Severe threshold

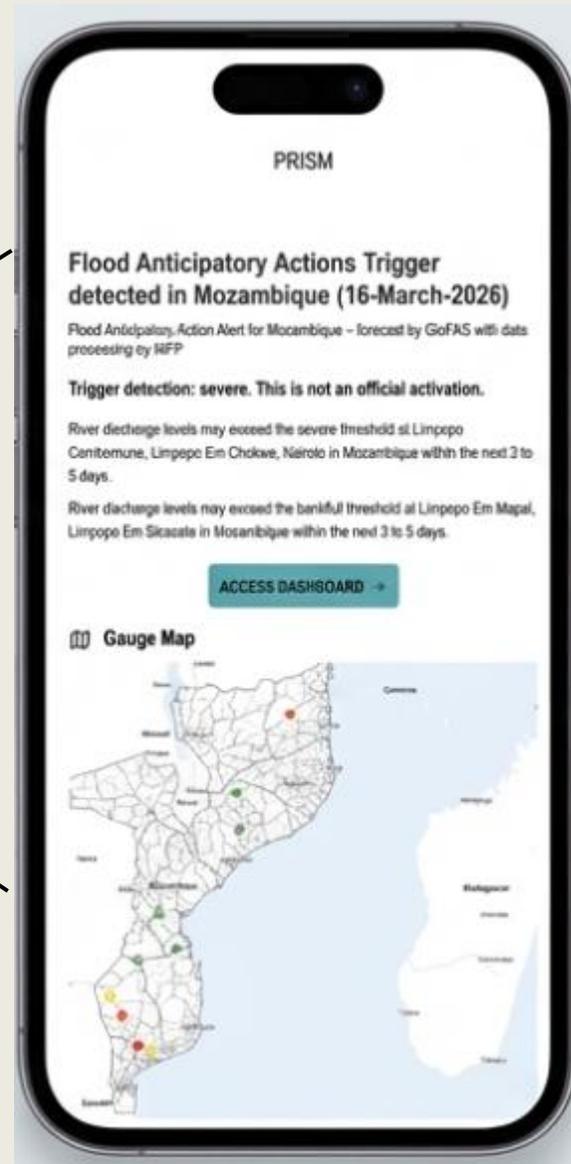
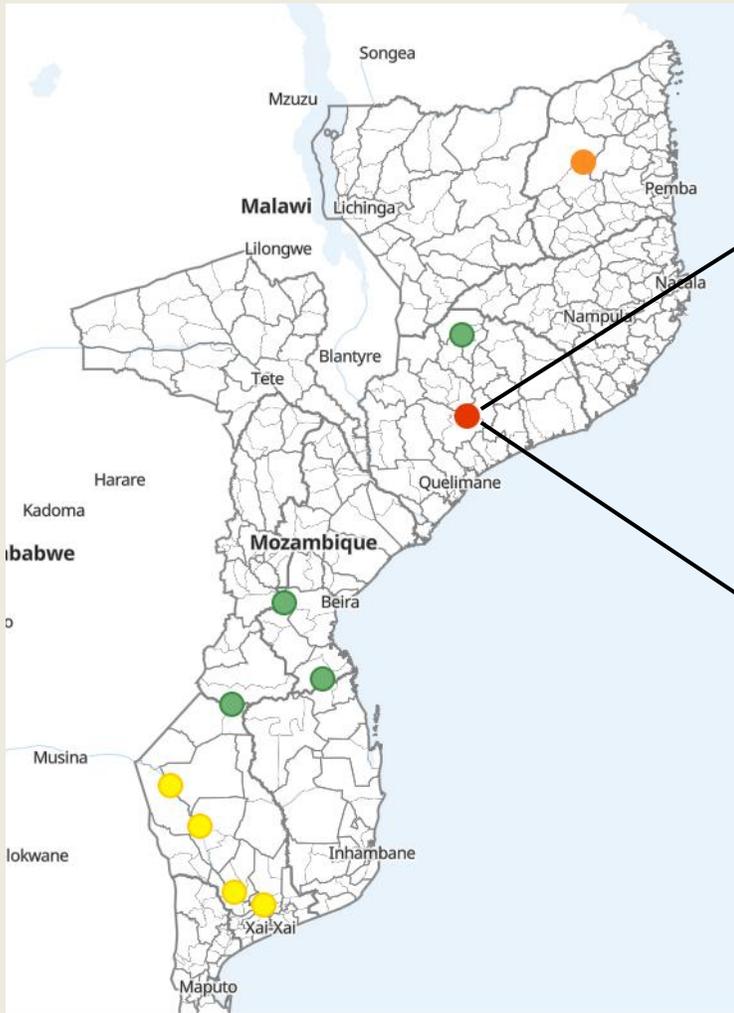
Legend

Riverine flood forecast

- Severe
- Moderate
- Bankfull
- Not exceeded
- No data

MAR 16, 2026

Step 4: Monitor forecast results for AA activation through PRISM alert



Activation Triggers activated > 89 km/h for 12-20242025

WFP.PRISM To

If there are problems with how this message is displayed, click here to view it in a web browser.

Readiness Trigger: Not Activated

Activation Triggers: Activated

Projected wind speeds affecting pilot districts:

> 89 km/h	Angoche
> 118 km/h	Mogincual

For more information about landfall and trajectory, please access the dashboard using the link below:

[ACCESS DASHBOARD](#)

Trajectory Map

The trajectory map shows wind paths over Mozambique and the Indian Ocean. It includes labels for "LF: 10 - 2am (GMT+2)" and "08 - 2am". The map shows various districts and neighboring countries like Madagascar and Zimbabwe.

PRISM provides technical detection, but official activation of Anticipatory Action relies strictly on government mandate

Use case: Interoperability of social protection & climate risk information systems



Social protection information system

- Schemes and programs
- Beneficiaries database management - registration, enrolment based on eligibility

Climate risk information system (e.g. PRISM)

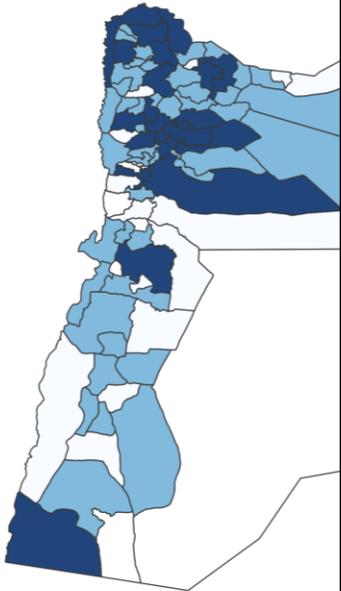
- Historical hazard (e.g. flood/drought frequency and severity over an area)
- Current hazard monitoring data (e.g. rainfall/flood extent during last 2-10 days)

SP systems query the Climate Risk Information System with area, timeframe, and hazard to assess household exposure and adapt benefits.

Example: Social protection & climate risk information systems

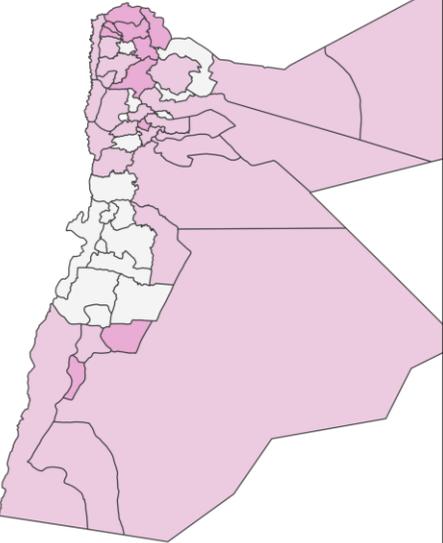
1. Beneficiary layer

(1) From the social registry system, identify areas with low/high coverage of vulnerable groups based on registration statistics or poverty estimates



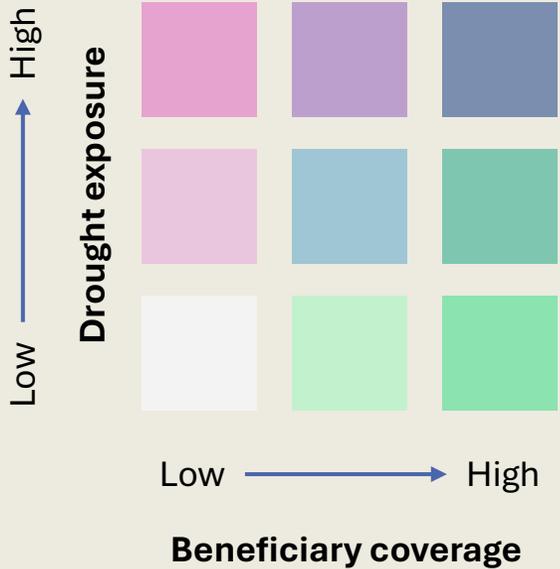
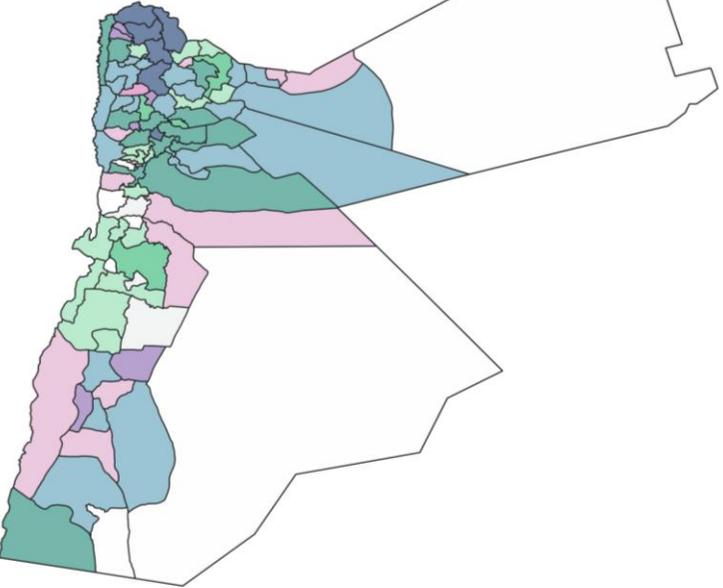
2. Climate layer

(2) From PRISM climate monitoring systems, identify areas with high levels of hazard exposure (ex: drought)



3. Expansion analysis

(3) Hazard exposure + beneficiary coverage analysis to identify potential expansion



Thank You!

PRISM Definition/Purpose

Key Capabilities

AA workflow

AA PRISM Dashboard

SP → PRISM Interoperability



Athanase Akumuntu

Rwanda

Country Input: Rwanda

Rwanda's implementation of early warning and integration with other systems





**Rwanda
Warning
(EWIS)**

**Integrated
Information**

**Early
System**

MARCH 2026

What is Early Warning System?

 An **Early Warning system (EWS)** is an **integrated system** for monitoring hazards, predicting impacts, issuing timely alerts, and **enabling** communities and authorities to take early action to reduce disaster risks.

OR

 An **Early Warning System (EWS)** is a **risk-informed and communication system** designed to alert the population about an impending hazard so that timely, effective and preventive actions can be taken.

Early Warning Systems: Structure & Objectives

Pillar 1

Disaster risk knowledge

Systematically collect data and undertake risk assessments

- Are the hazards and the vulnerabilities well known by the communities?
- What are the patterns and trends in these factors?
- Are risk maps and data widely available?

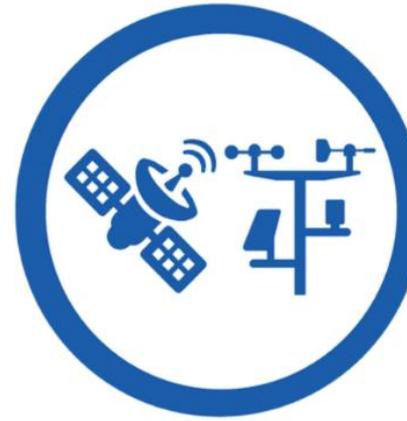


Pillar 2

Detection, observations, monitoring, analysis and forecasting of hazards

Develop hazard monitoring and early warning services

- Are the right parameters being monitored?
- Is there a sound scientific basis for making forecasts?
- Can accurate and timely warnings be generated?



Pillar 4

Preparedness and response capabilities

Build national and community response capabilities

- Are response plans up to date and tested?
- Are local capacities and knowledge made use of?
- Are people prepared and ready to react to warnings?



Pillar 3

Warning dissemination and communication

Communicate risk information and early warnings

- Do warnings reach all of those at risk?
- Are the risks and warnings understood?
- Is the warning information clear and usable?



Rwanda risk profile



Floods



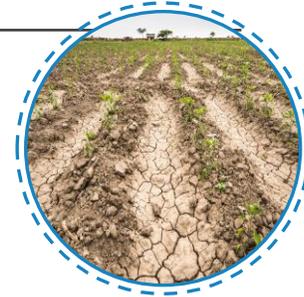
Landslides



Strong winds



**Thunderstorms/
lightning**



Drought



Earthquakes



**Volcanic
eruption**



Fires



CBRNE



**Human, crop and
animal epidemics**

Desktop Based Capabilities

ArcGIS Desktop

System Administrator

Key Features

- Create and Manage users
- Create and Publish data, web tools & maps
- Manage data
- Geo-spatial Analysis Tools

ArcGIS Enterprise Web & Mobile Apps

ArcGIS Survey123, Workforce, Field Maps

MINEMA Data managers/operators

Key Features

- Risk Mapping
- Monitoring
- Dissemination & Communication
- Response

Application Server

- ArcGIS Web Adaptor
- Portal for ArcGIS
- ArcGIS Server
- PostgreSQL



SOPs for landslides and storms

- **Landslides**

- Induced by prolonged or heavy rainfall
- Majority is classified as shallow, small and moving rapidly
- Main factors to monitor: slope properties and hydrology
- Factors considered for the model: heavy rainfall, slope, soil type, texture and depth, land coverage and proximity to road network

⇒ **Real-time measurements of rain intensity required**

- **Storms:**

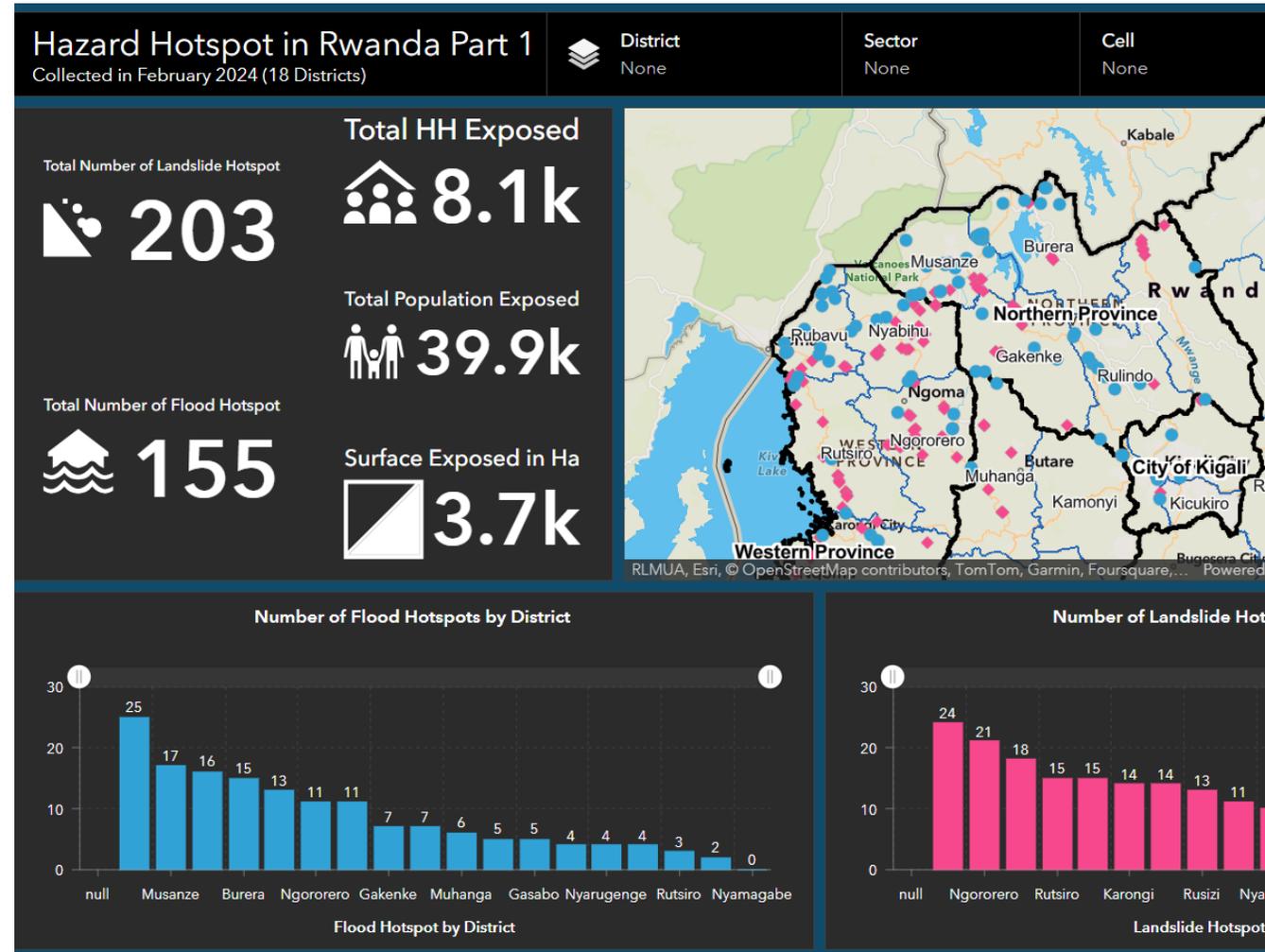
- **Windstorm:** wind shear, storm relative helicity, winds at 10m and vertical velocity
- **Hailstorm:** cloud ice content, convective precipitation, relative humidity, wind shear, storm relative helicity, vertical velocity and wind at 10m
- **Thunderstorm:** convective available potential energy, convective precipitation, relative humidity, wind shear, storm relative helicity and vertical velocity
- **Rainstorm:** rainfall, relative humidity, wind shear, storm relative helicity, wind at 10 m and vertical velocity



1. RISK KNOWLEDGE

A. Risk Data:

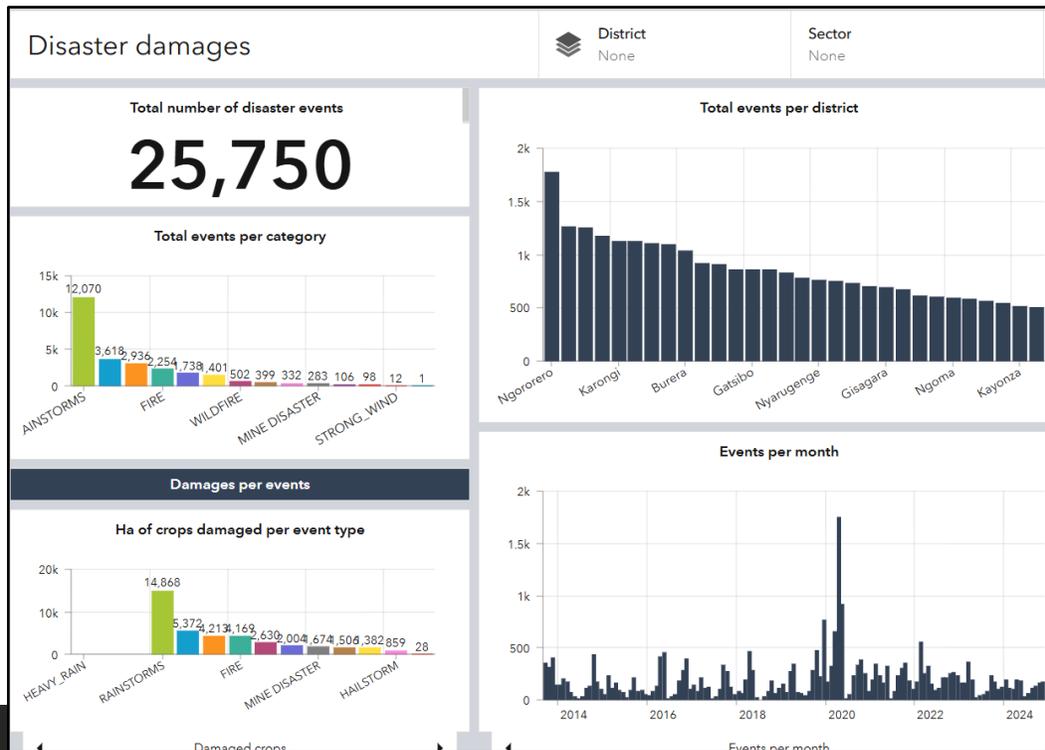
- Designed on top of ArcGIS offering functionalities of dashboards for all collected hazard hotspots
- Has the tool to collect hazard hotspots including spatial information in polygon which is dynamically updated and integrated into a dashboard under VCR Project.
- There is a standard dashboard user manual for Senior Managers



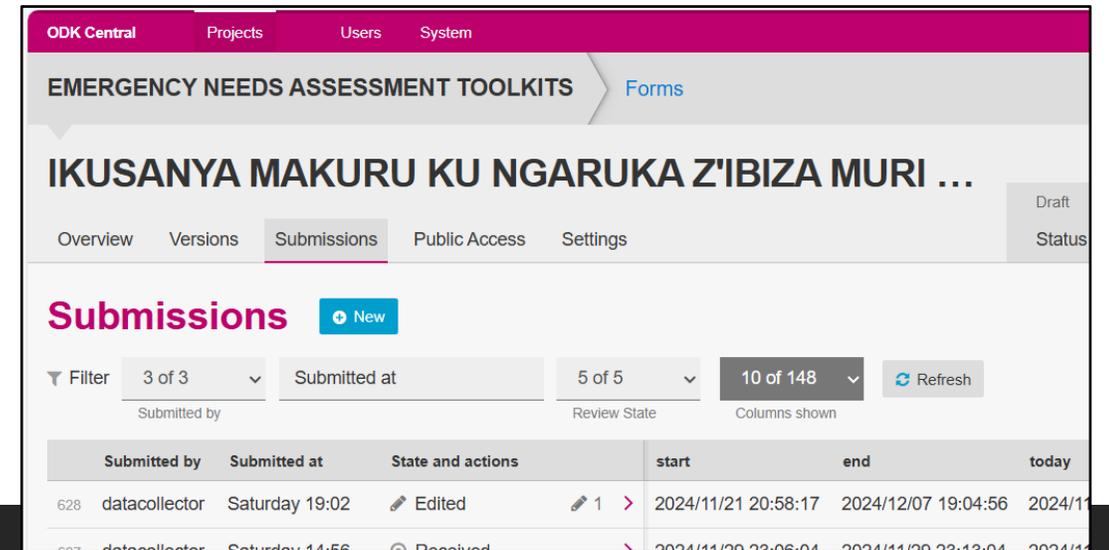
1. RISK KNOWLEDGE

B. Disaster Impact Data:

- Developed and updated a Dashboard for disaster impact from Desinventar up to 30 November 2024.



- Close follow-up on the reporting in the ODK tool and integrate it into a dashboard for better data analysis and decision-making. This will allow us to fade out the utilisation of third-party tools including WhatsApp and Desinventar as planned.
- Plan the refresh training with data collectors on ODK Collect



DISASTER IMPACTS IN RWANDA SINCE 2013 TO PRESENT

Death

 2.2k

Injured People

 3.5k

House Damaged

 68.9k

House Destroyed

 2.8k

Damaged Crops (Ha)

 41.6k

Damaged Forest (Ha)

 1.1k

Lost Cattle

 2.4k

Other Livestock

 12.6k

Classrooms

 2k

Road section

 532

Health Centers

 34

Water Supply

 30

Factory

 31

Churches

 324

15,279

Total number of disaster Incidents

1. RISK KNOWLEDGE

C. Disaster Damages Pictures/Images :

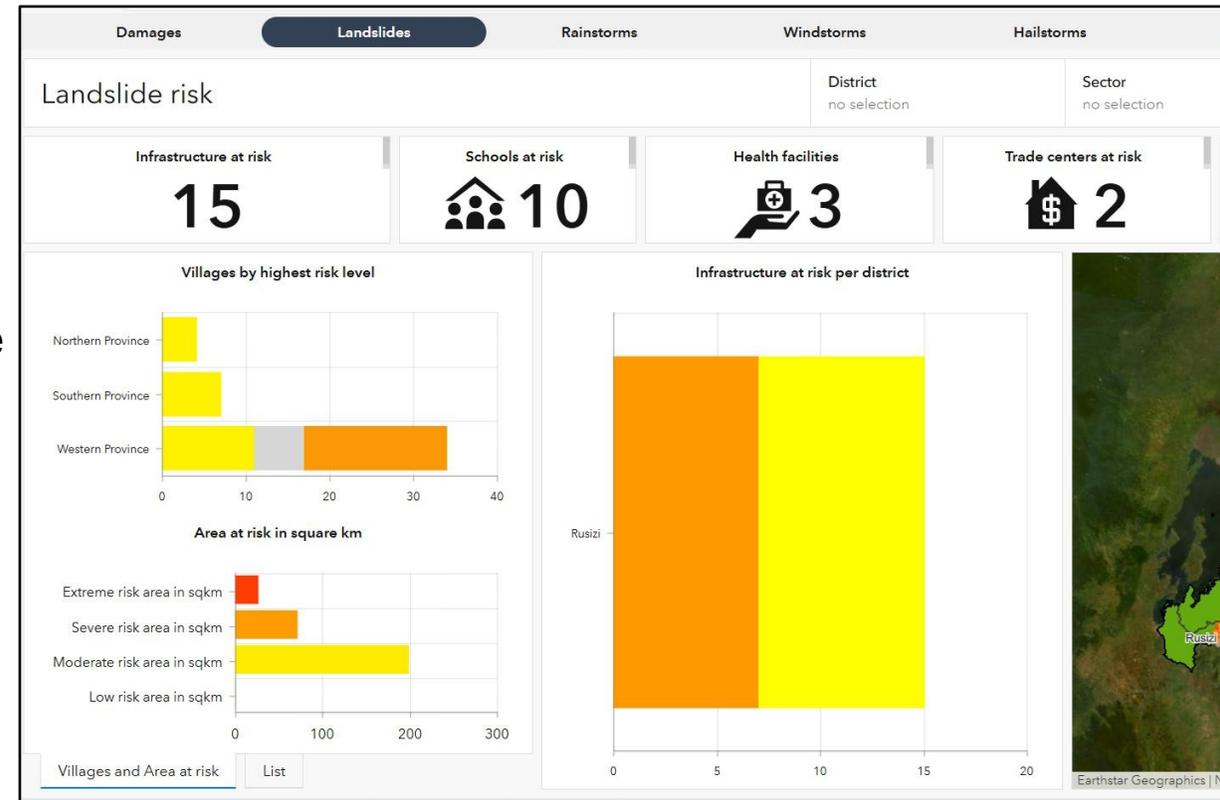
A databank for disaster damage pictures that help in reporting, analysis and decision-making. This data is organized by Year//Month/District and the access has been provided to staff and other users(MINEMA stakeholders)



2. MONITORING

A. Early Warning Information System :

- Integrated with Weather forecast Agencies including Meteo Rwanda, RWB and RSA to improve interoperability of systems and feed the landslide and storms models within the EWIS.
- Staff that maintain the system and work on data side have been trained by the system developer (Esri Rwanda) for effective operationalization of the system.



Riverine Flood Forecast & Impact Analysis in Rwanda

Riverine Flood Forecast

Hydrologic Streamflow

Flood Forecast - Localized Model

Riverine Flood Forecast

Province

--All--

District

--All--

Sector

--All--

Cell

--All--

Village

--All--

Select by Forecast Period

23/09/2025 and after

Flood Hotspot Name

--All--

Riverine Flood Forecast

River gauges



2

High-confidence

River gauges



80

Lower-confidence

List of Gauges

Search...

River gauge ID: hybas_1122098500
 River Name: Nyabugogo
 Confidence Threshold: Lower-confidence
 Severity Level: **Normal level**
 Forecast Trend: Rise

River gauge ID: hybas_1121199750
 River Name: Akanyaru
 Confidence Threshold: Lower-confidence
 Severity Level: **Normal level**
 Forecast Trend: Rise

River gauge ID: hybas_1121184280
 River Name: Nyakagezi
 Confidence Threshold: Lower-confidence
 Severity Level: **Normal level**
 Forecast Trend: Rise

River gauge ID: hybas_1121188130
 River Name: Nyabugogo
 Confidence Threshold: Lower-confidence
 Severity Level: **Normal level**
 Forecast Trend: Rise

River gauge ID: hybas_1122101310
 River Name: Nyabarongo
 Confidence Threshold: Lower-confidence
 Severity Level: **Normal level**
 Forecast Trend: Rise

River gauge ID: hybas_1122095530
 River Name: Mpenge

All Gauges

Rising Forecasts

Akanyaru River - APPROACHING WARNING

Gauge hybas_1121197980 at 52.4% of warning threshold



River: Akanyaru

Gauge ID: hybas_1121197980

Period: Feb 15, 2026 - Feb 21, 2026

Max Forecast: 44.1 m³/s

Warning Level: 94.76 m³/s

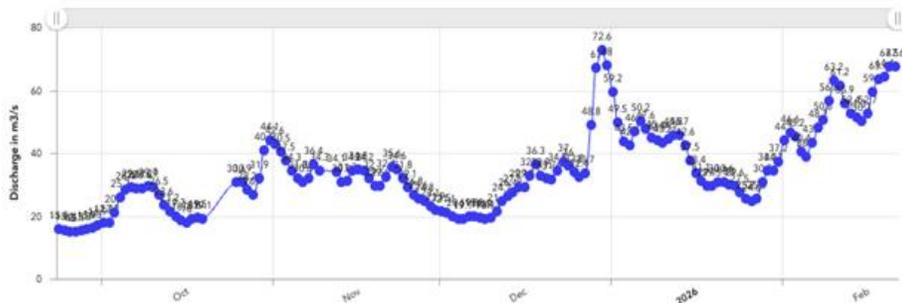
Rising

Other Gauges Forecast



Earthstar Geographics | RLMUA, Esri, © OpenStreetMap cont... Powered by Esri

Forecast Average / Day



Average Daily Forecast

Daily Maximum Forecast

Latest Forecast

Infrastructure Exposure

Population at Risk

147.6k

Houses at Risk

34.6k

Schools at Risk

21

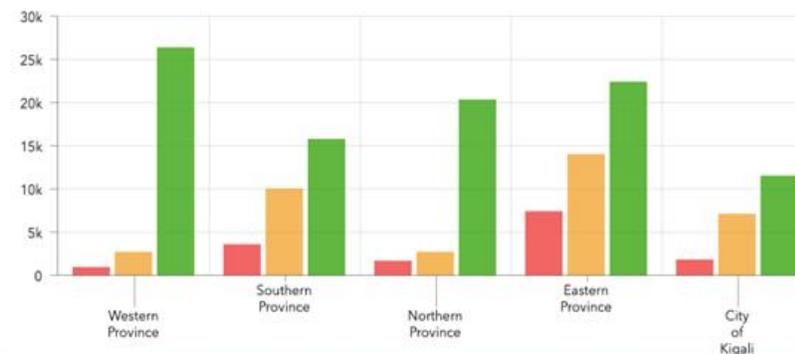
Health Facilities at Risk

9

Road Length at Risk

5449.9

Population at Risk / Inundation Risk Categories



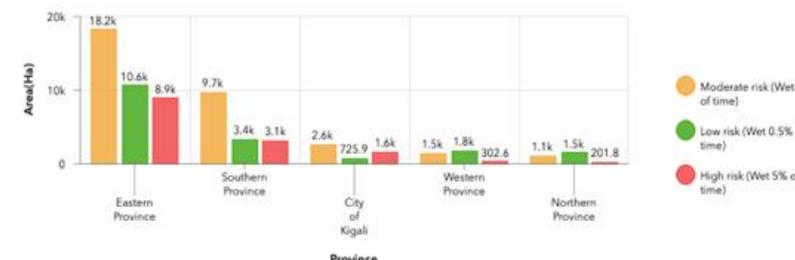
Population

Houses

Schools

Health Facilities

Area (ha) at risk for Inundation / Province



Province

District

Sector

Cell

Village

Way forward Model Training

Transitioning from Infrastructure to Deployment

Automating Data Pipeline

End-to-end workflow for continuous data ingestion, quality control, and version-controlled storage

ONGOING

Feature Review & Selection

Systematic evaluation of hydrological, and catchment features for optimal model performance

PLANNED

Model Fine-tuning Setup

GPU infrastructure, baseline evaluation, and hyperparameter optimization framework

PLANNED

Integration Scripts

Orchestration linking data pipeline outputs to model inputs and real-time dashboard feeds

PLANNED

3. COMMUNICATION AND DISSEMINATION

A. Citizen Alert Protocol :

- EWIS has a module of notification, the notifications go to local leaders and in return they warn the local population
- in collaboration with Mobile Network Operators through RURA, we implemented the framework for the dissemination of alerts to citizens.
- Developed the draft concept note for the establishment of an **Emergency Telecommunication Cluster** to discuss the effective partnership and collaboration as well as assess technological systems for **Cell Broadcast Center** implementation under the recently validated NETP.
- Continue collaboration with MTN to disseminate warning messages to specific groups through the Bulk SMS Platform.

Alerts

- List of villages is provided with their highest risk status.
- List can be filtered by district, risk level and village
- Village can be notified by email and sms

<input checked="" type="checkbox"/>	PROVINCE ⇅	DISTRICT ⇅	SECTOR ⇅	CELL ⇅	VILLAGE ⇅	VILLAGE ID ⇅	RISK STATUS	MSG STATUS	MSG DATE	DATE/TIME ⇅
<input checked="" type="checkbox"/>	Southern Province	Muhanga	Nyamabuye	Gahogo	Ruvumera	27080109	Severe risk	sent	11/16/2023	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Huye	Tumba	Mpare	Akabuga	24140402	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Ruhango	Kinazi	Rutabo	Gitwa	26040503	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Gisagara	Kibirizi	Kibirizi	Gasagara	22040202	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Nyamagabe	Uwinkingi	Munyege	Kimina	25170504	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Gisagara	Muganza	Saga	Impinga	22070505	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Huye	Huye	Sovu	Kabagendera	24020404	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Ruhango	Ruhango	Rwoga	Gasharu	26090705	Severe risk	pending	----	11/15/2023 11:24:24 PM
<input checked="" type="checkbox"/>	Southern Province	Gisagara	Kibirizi	Muyira	Agasharu	22040302	Severe risk	pending	----	11/15/2023 11:24:24 PM

COLLABORATION

4. Anticipatory Action, Response and Risk Knowledge

- **Training of trainers:** In collaboration with Intervention Coordination staff and the WFP, we have conducted training of trainers at the community level (First responder teams) in the identified hotspots, to capacitate them with risk knowledge and anticipatory action intervention skills.
- Training of Senior Managers on the usage of the developed dashboards for effective decision-making.
- Continue with the improvement of the Risk Assessment tools in collaboration with the SP Directorate.
- In house training to share knowledge between colleagues.
- A project to integrate with Social Registry is underway, we recently had discussion with GIZ and MINALOC and the two-way integration is set to start in the new future

THANK YOU



Nina Bekele

Google

Solution Provider: Google

Intro to Google crisis response effort, and a deep dive into Google flood hub

