EPIU | Balancing the Impact

FROM CLIMATE RISK INFORMATION TO EARLY ACTION

Armenia’s SAP068: designing an impact-based national multi-hazard early warning system

Success = the four EWS4All pillars operating as ONE end-to-end system

USD 9.5 million GCF financing to:

01 Risk Knowledge

Know what is at risk

02 Detection & Forecasting

See what is coming

03 Warning Dissemination

Reach the right users

04 Preparedness & Response

Trigger early action



Modernising technology while strengthening institutions, communication and action

01 RISK KNOWLEDGE

- Hazard + exposure + vulnerability
- Impact-based information
- Sectoral climate-risk use

02 FORE-CASTING

- C-band dual-pol Doppler radar
- 15 automated hydromet stations
- Upper-air observations
- HPC + 1–3 km NWP
- Hydrology / flash-flood / hail modules
- Data lake + QA/QC

03 WARNING DISSEMINATION

- Common Alerting Protocol approach
- Multi-channel last-mile communication
- User-oriented & inclusive warnings
- Institutional / business / community users

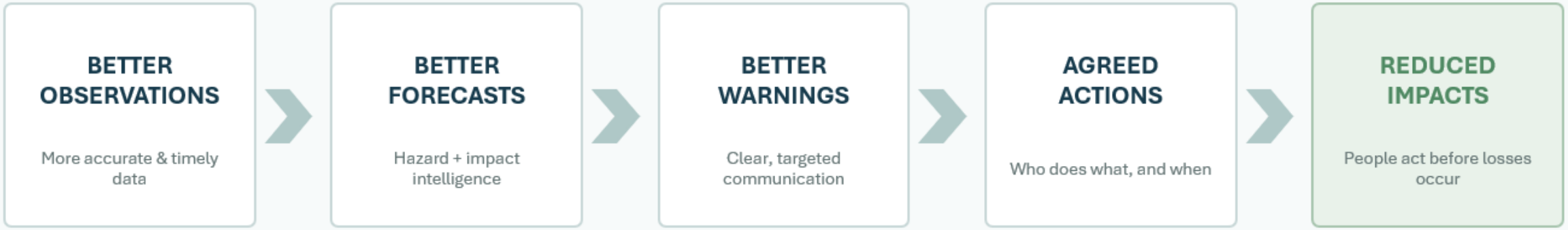
04 PREPAREDNES S & RESPONSE

- Clearer roles & protocols
- Drills + after-action reviews
- Anticipatory-action roadmap
- Links to sector decisions
- Insurance / resilience applications

Cross-cutting: institutional coordination • WMO-aligned quality management • sustainable O&M and staffing

The most important remaining gap is not a single pillar...

IT IS THE CONNECTION BETWEEN INFORMATION, WARNING, ACTION AND LONG-TERM SYSTEM SUSTAINABILITY



Any weak link can break the chain

Data integration

Interoperable hazard, exposure and vulnerability information

Institutional coordination

Operational hand-offs between Armhydromet, Rescue Service, sectors and local authorities

Actionability

Warnings linked to pre-agreed decisions, drills and anticipatory action

Sustainability

Staffing, maintenance, communications and upgrades financed over the long term

National ownership — with targeted regional added value

01 MUST REMAIN NATIONALLY OWNED

- Warning authority and accountability
- Emergency-response roles and protocols
- Communication with communities and users
- National operating and maintenance finance
- Institutional arrangements and legal mandates

→ The ? is not

"one regional EWS", but WHERE cooperation can make national systems stronger

02 WHERE COOPERATION ADDS VALUE

- Hydrometeorological data exchange
- Common technical standards & interoperability
- Forecasting and impact-based methodologies
- Peer learning, training and joint exercises
- Anticipatory-action approaches and lessons

GREEN CLIMATE FUND

Opportunity!

finance sustainable systems that convert climate information → decisions → early action

THANK YOU

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