

EARLY WARNINGS IN A CHANGING CLIMATE.....

Early Warnings for All

A graphic of a rainbow with seven distinct bands of color (red, orange, yellow, green, blue, indigo, violet) arching over the word 'Warnings' in the logo.

Dr R N Sankhua
Chief Engineer (South),
Ministry of Jal Shakti,
Govt of India

Every increase in global warming matters



We are experiencing CC in diverse ways



We are responsible for global warming

We can pay the bill now, or pay dearly in the future

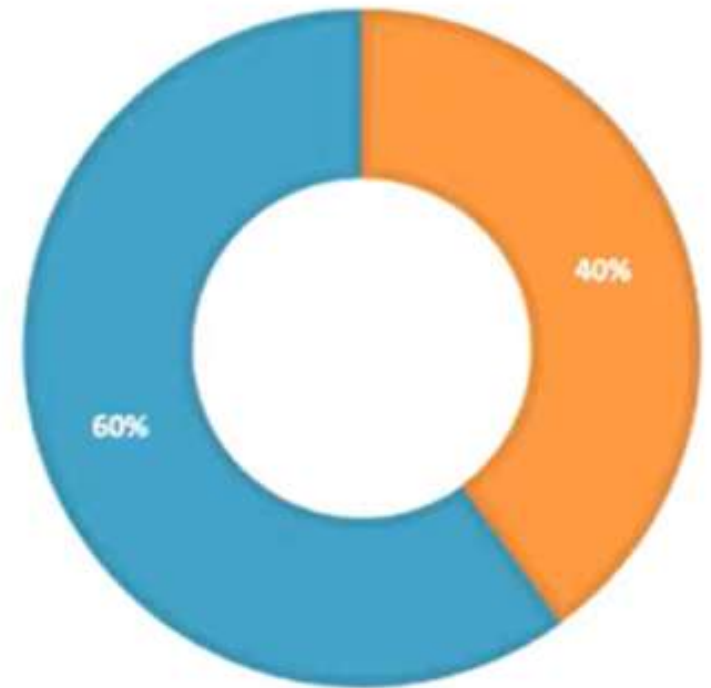


We face a huge challenge but already know many solutions

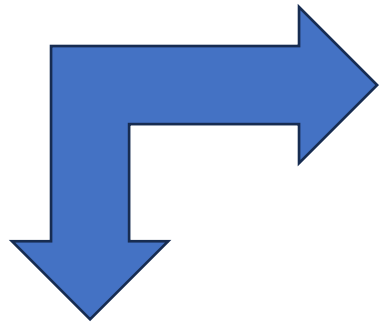
EARLY WARNING SYSTEMS ARE A POWERFUL TOOL

Early Warning Systems
“have **broad applicability**
across sectors and provide
greater benefits to other
adaptation options when
combined

And yet...



A PULSE OF HAZARD COULD BE STRENGTHENED WITH BETTER DATA

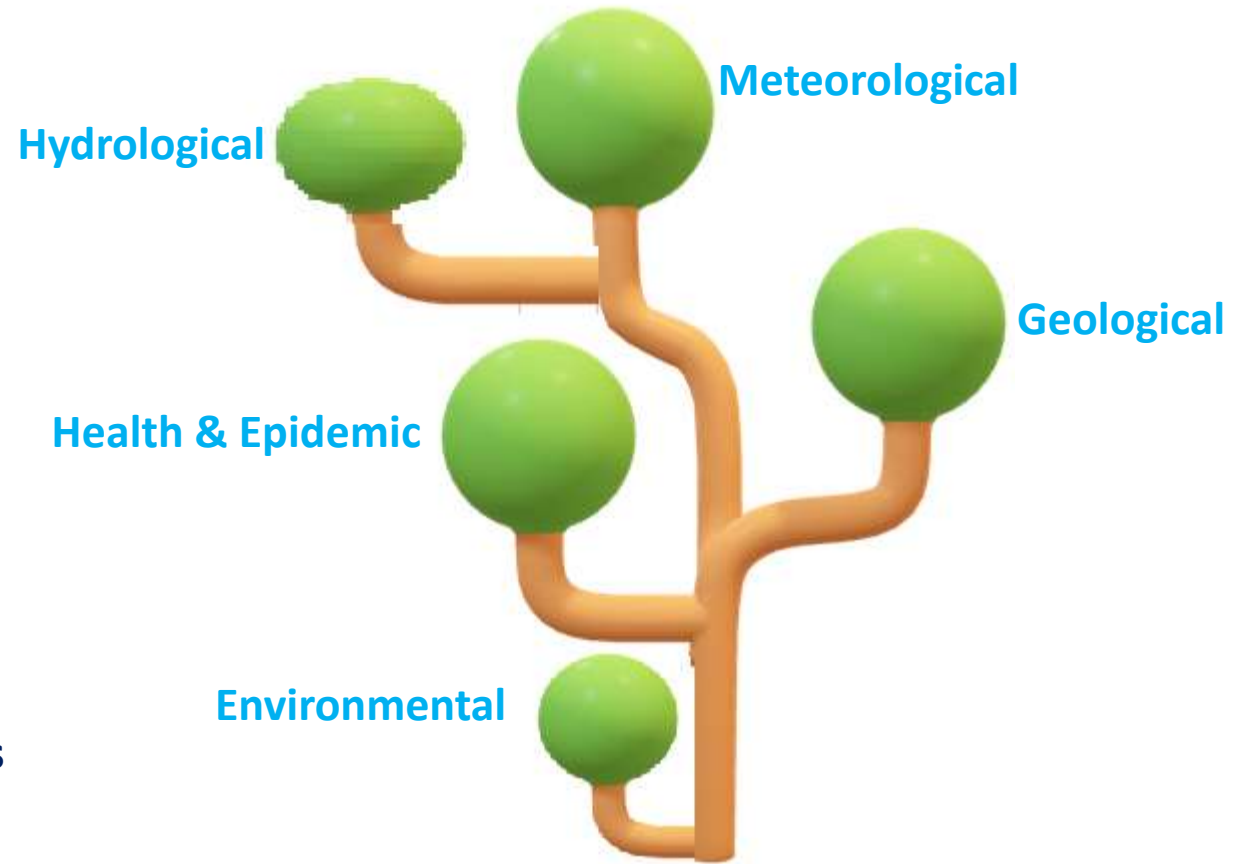


Enhanced Planning & Preparedness

helps industries, governments, & individuals make effective decisions

Encouraging Sustainable Development

- Better Resource Allocation
- Facilitating Climate Change Adaptation
- Empowering Communities



EARLY WARNING SYSTEMS

Single-Hazard EWS & Multi-Hazard Early Warning Systems

EARLY WARNINGS BUILT AROUND 4 KEY PILLARS

**Disaster risk
knowledge &
Management**



**Detection, observation,
monitoring, analysis, &
forecasting**




**Warning
dissemination &
communication**



**Preparedness &
response capabilities**



CROSS-CUTTING ISSUES



Effective Governance & Institutional Arrangements

Involvement of Local Communities

Consideration of Gender Perspectives & Cultural Diversity

A Multi-Hazard Approach

KEY ACTORS



Communities, Local Govts, International bodies, National Govt, NGOs, private sector, science & academic community etc,

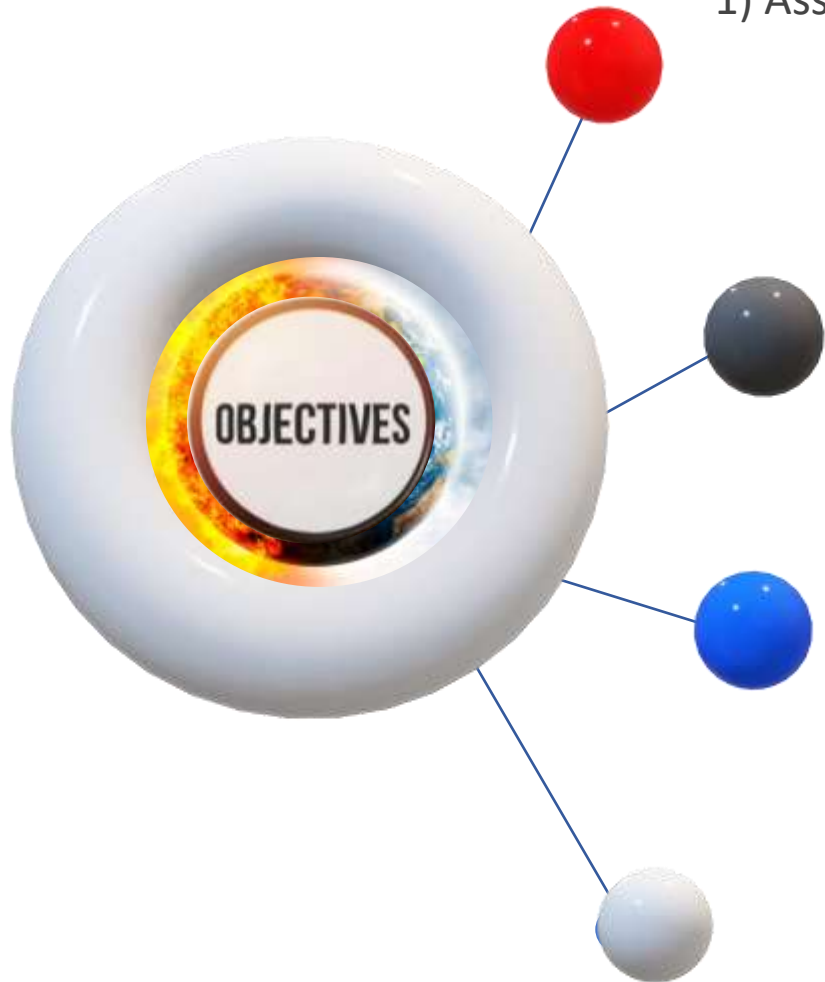
EWS: “low-hanging fruit” for CC adaptation: relatively cheap & effective way of protecting people & assets from hazards, storms, floods etc,

CLIMATE ADAPTATION NOT BUILT ON A SOLID FOUNDATION

Lack of climate literacy at all levels and limited availability of information and data pose further constraints to adaptation planning and implementation



CLIMATE CHANGE ADAPTATION



1) Assessing progress of EWS for all initiative against its goals /targets

(2) Building political & overall momentum & support for EWS

(3) Providing overall mobilization of resources,

(4) Monitoring scientific & technical dev for EWS



THANKS