Capacity Development

The fifth pillar of GFCS

Other 4 Pillars :
(i) Observations and Monitoring
(ii)Research, Modelling and Prediction,
(iii)Climate Services Information System
(iv)User Interface Platform and
(v)Capacity Building

A. Key Stakeholders in the Country

❑ Can be broadly classified into
- Training providers (Resource Persons/Experts)
- Training receivers : Trainees

Training providers

❑ Ministries to identify departments/institutes/experts under it that can provide training :

- Ministry of Earth Sciences

- Ministry of Agriculture

- Ministry of Power

- Ministry of Health and Family Welfare

- Ministry of Water Resources

- National Disaster Management Authority

❑ Institutes/Organisations like WMO, RIMES, NIDM etc.

Training receivers (Trainees)

❑ NFCS Secretariat will coordinate with different departments for candidates who need the training

❑ For examples : officials from State Agriculture Universities, Krishi Vigyan Kendra (KVK), Disaster Managers, State govt. officials from different sectors

B. Current Status, major gaps and capacity needs

❑ **Current Status :** Regular training programme along with required facility are existing in several institutes like IMD/ICAR/CWC/NIDM/RIMES etc

❑ **Some of the major gaps include :**

- Lack of dedicated & specialised training facility in specific sector (Ex : Health, Power etc)
- Lack of dedicated training modules for sectoral applications and various target groups (Analyst, Field workers, Researchers, Media, Policy makers etc.,)
- Interdisciplinary trainings programmes need to be developed
- Development of indices for quantification of Impact based forecast (Considering Extended/Seasonal forecast)

❑ **Capacity Needs**

- Basic training on science of climate (Climate variability and climate change) and various sectoral domains
- NFCS Secretariat needs to discuss with stakeholders to assess the need of training in respective sectors
- Domain specific and climate related training programs
- Training to Trainers

C. Links with other GFCS pillars

❑ **Observation and monitoring**

- Training for maintenance of observing instruments for proper functioning of the stations
- Calibration of AWS systems
- Providing quality-controlled data and its proper utilization
- Data storage and management

❑ **Research, modelling and prediction**

- Bringing all data to common format and common platform
- Use of new technologies in modelling
- New research findings should be disseminated to the users for better understanding & applications

❑ **Climate services information system**

- Training for better utilization of products as per user requirement
- Translation of forecast products and advisories in simple language

❑ **User Interface platform**

- Development of Decision Support System tools by combining various inputs , forecast uncertainty, local geographical knowledge, vulnerability etc

Recommendation on near real-term and long-term actions to pursue related aspects of NFCS

❑ Near real-term

   o To fulfil the initial large training need from various State Govts and other User agencies.

   o To introduce Interdisciplinary domains in the training programme

   o Higher priority is to be given to train field workers/observers/data analysts/

   o Links need to be established with other pillars

❑ Long term

   • Establishment of Advanced Specialised Training Centre for Climate related issues

   • To enable such a centre to become a centre of excellence (Trans-disciplinary) ; Can adapt best practices around the globe, evolve the country specific protocols and procedures)

Thank You