INFORMATION and KNOWLEDGE MANAGEMENT
for
CLIMATE CHANGE

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National Action Plan – Strategic Knowledge for Climate Change (3.8)

- Climate Modeling And Access to Data
- Enhanced Research on CM in India
- Promoting Data Access
- Strengthening Networks
- Human Resource Development
Knowledge Management

KM [Knowledge Management] involves blending of internal and external information and turning it into actionable knowledge via a technology platform.

Ways - encouraging communication, offering opportunities to learn, and promoting the sharing of appropriate knowledge artifact.
Knowledge Management Hierarchy

- Data
- Information
- Knowledge
- Intelligence
Tacit knowledge is articulated into explicit knowledge.

1. **Socialization**: Tacit knowledge is shared through shared experiences.

2. **Externalization**: Tacit knowledge is articulated into explicit knowledge.

3. **Combination**: Explicit knowledge is organized, systematized and refined.

4. **Internalization**: Explicit knowledge is converted into tacit knowledge.
Climate Change Knowledge Management

CCKM, the National node for knowledge on climate change and vulnerability, uses information technology to identify, create, structure and share knowledge.

With the goal of improving decision-making and dissemination to the grass-root level.
SCOPE

- To assimilate and create multi-scale knowledge on climate variability and climate change

- To use long-term observation data to forecast and appraise for strategic development

- Knowledge in newer technologies that may enhance awareness and support learning process of societies to cope with climate change and climate extremes at national and sub-national level

- National and International co-operation on research and development
VULNERABILITY ASSESSMENT

PHASE - I: SCIENCE

RESEARCH
DATA MANAGEMENT

PHASE - II: GOVERNMENT

DECISION MAKING
POLICY PLANNING

PHASE - III: PUBLIC

AWARENESS - TECHNOLOGY
COMMUNITY PARTICIPATION

PHASE - IV: NGOs

CAPACITY BUILDING

KNOWLEDGE MANAGEMENT for CLIMATE CHANGE

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PHASE – I: SCIENCE

DATABASE MANAGEMENT
- Meteorology
- Water resources
- Agriculture
- Biodiversity and Forestry
- Ocean and Coastal Management
- Land use and Soil
- Health
- Socio-economic

CLIMATE VARIABILITY OBSERVATION
- RCM
- IMPACT
- VULNERABILITY ASSESSMENT

INDIGENOUS KNOWLEDGE
Phase – II: Government – Adaptation Strategies

Vulnerability

Spatial information

Non-spatial information

Framing Adaptive Mechanism

Physical

Mechanical

Social

Equipping Decision makers with Skills, Tools, Funds

Increased Resilience to a Changing Climate
Benefit of Knowledge Management on CC

- Building innovative community partnership with evolved technologies to encourage a positive impact at the grassroots with respect to climate change risk management and adaptation
**Conclusion:**
Knowledge management tool provides:

- Knowledge maps
- Electronic yellow-page directories
- Apprenticeship programs
- Communities of practice
- Best practices and lessons learned
- Lectures and story telling
- Frequently asked questions
- Web-based learning
Thank you