

Knowledge Management in Climate Change Perspectives from Madhya Pradesh

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Vital Stats of MP

- ❑ Second largest State of India - 0.3 million Sq KM
- ❑ 70 Million People, Decadal Growth rate 21%
- ❑ 23% Forest Land (Country's 12%)
- ❑ 13% Waste Land
- ❑ 72% people in Primary Sector
- ❑ 45% people below poverty line
- ❑ 55% Area under cultivation
- ❑ Skewed land holding pattern
- ❑ Input intensive and mechanized Farming
- ❑ 11 agro climatic zones posing challenges for their management



Vital Stats of Madhya Pradesh

- 1 / 3rd Blocks classified as Over-exploited GW perspective
- 35% irrigated agriculture land
- Frequent Droughts conditions
- Rural ecosystem linkages are braking
- Thousands of villages still beyond the reach of electricity
- Vast traditional knowledge, need for documentation
- Information divide is wide



Experience (1)- Scheme development

- *Meenakshi* - Sub Scheme of NREGA for fishing communities
- In the scheme -
 - Government dig ponds free of cost
 - Provide fish seed
- We want Climate Proofing of this scheme !!
- What could be the response from stakeholders
 - With set of knowledge of alternatives available
 - Unaware?

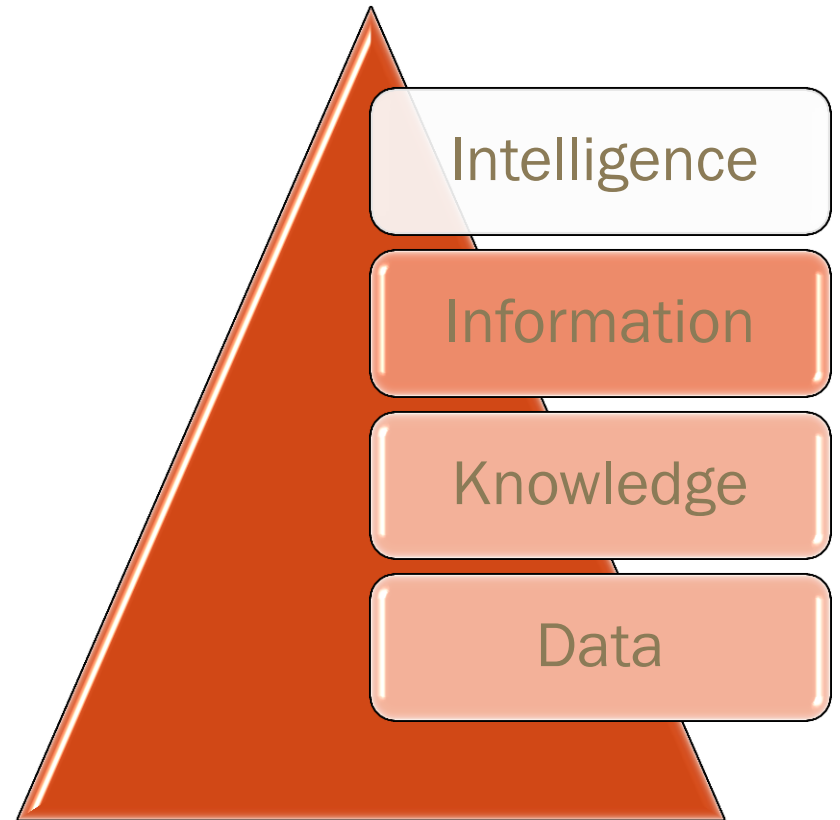
Experience (2) – Preparation of SAPCC

- The State has prepared a draft SAPCC
- The process has been consultative and participative
- High-Level Government Commitment ensured
- Thematic papers were prepared.
- Experts / Advisers for the different sectors associated
- The themes included:
 - Forests, Water, Agriculture, Fisheries, Health
 - Industry, Energy, Urban, Transport
- Draft SAPCC presented to different sectoral groups

Knowledge Management Hierarchy

Knowledge Management
blending of internal and external
information turning it into
information via a technology
platform which give stimulus for
action.

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



CC Knowledge Management interrelationship

Climate Knowledge

Climate Policy

Climate Actions

Understanding causes of climate change

- Global climate Models
- GHG inventory

Understanding the impacts of Climate Change

- RCM
- Assessing the climate change vulnerability

Developing response strategies

- SAPCC
- Adaptation
- Mitigation
- Marginal Abatement Cost Curves

Assist Integration

- Policy & Program Corrections
- Actions on the field

Policy Challenges in KM in CC

- Demystifying the Science of Climate Change
 - Quantifying the impacts
 - Communication with Policy makers and Communities
- Converting Knowledge into Information to initiate Actions
- How to Bridge the knowledge gap in climate change
- Integrate scattered knowledge on climate change and make it available at one platform
- Disseminate knowledge from policy makers to the grassroots and vice versa
- How to integrate Climate Change concerns

Policy Challenges in KM in CC

- Need to access to Climate Change information
- Need to undertake specific scientific studies on key gaps e.g. changes in distribution and intensities of rainfall
- Create baselines to monitor change and interventions
- Need to create professional and scientific networks within and to connect them externally
- Create easy to read summaries of climate change information
- Create information on technology solutions, economic tools and policy measures
- Work with existing institutions and systems
- Focus on 3 *audiences*:
 - *scientific and technical staff,*
 - *generalist policy-makers; and*
 - *field officers*

MP State Climate Change Knowledge Management Center

Vision

“The State Climate Change Knowledge Management Centre envisages to become a functional knowledge hub, catering to the information and knowledge needs of policy makers, scientific community and general public on climate change issues in the state of MP.”

Objectives:

- Creating a Knowledge Repository
- Improving Knowledge Access & Transfer
- Enhancing Knowledge Environment
- Managing Knowledge as an Asset

Building blocks of SCCKMC

A people centric Climate Change information platform



Activities of SCCKMC

Emphasis on-

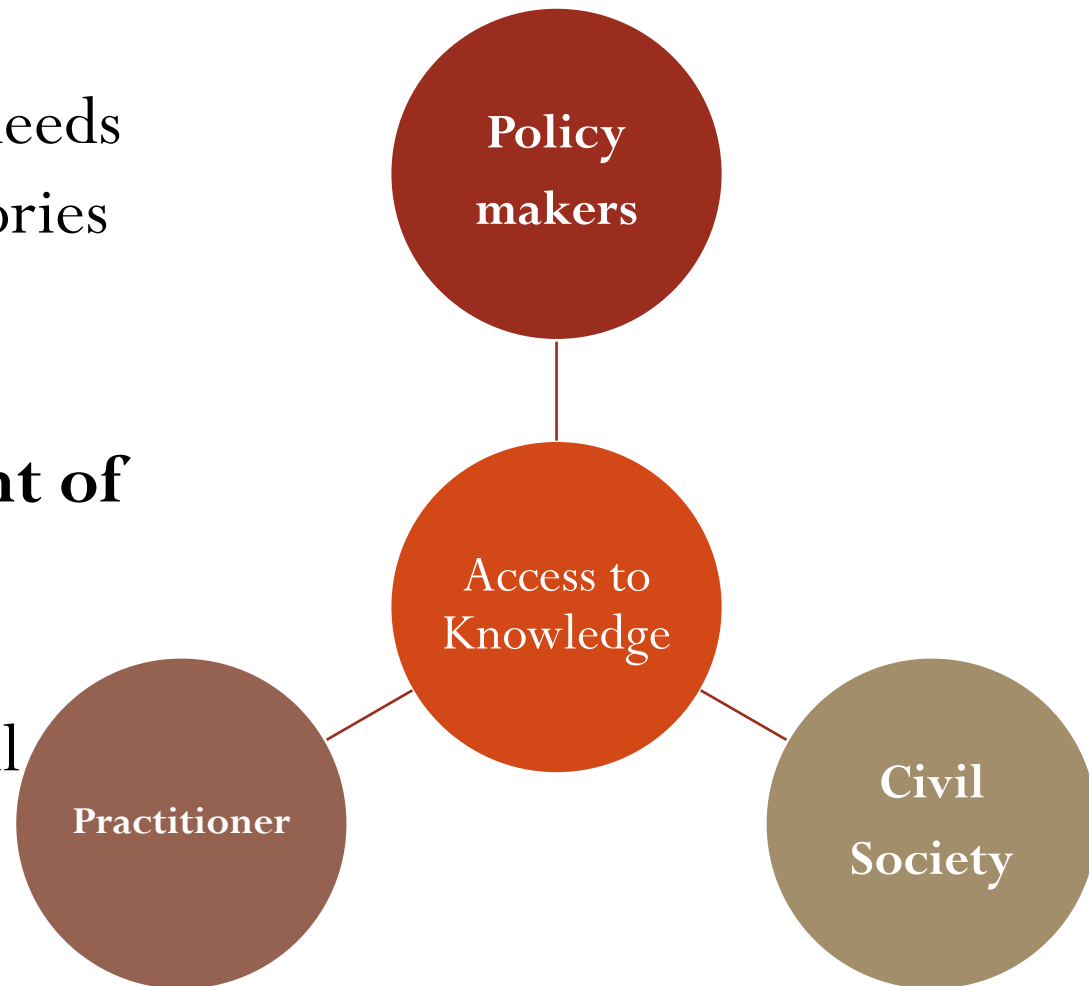
- Connect with Common people
- Credibility among scientific community and

Activities -

- I. Education and Training
- II. Resource Development
- III. Networks and Strategic Partnerships
- IV. Engaging communities and undertaking adaptation pilot projects
- V. Knowledge portal
- VI. Communication and Outreach Strategy

IT in Knowledge Management

- The climate change knowledge portal is established to meet the needs of the three major categories of user groups
- Serving as the **first point of entry** for policy and decision makers, practitioners and the civil society



Thanks

Climate Change

Known

Uncertain

Global
temperature
is rising

Rainfall
events are
getting more
intense

Seasonality
is changing

Extreme
events more
frequent and
intense-
heat waves,
droughts

Impact on
monsoon
rainfall
increase or
decrease?

The pace
and rate of
future
changes

Effects on
Madhya
Pradesh

Impacts on
Agri, Forests
Water and
Livelihoods