

State Knowledge Management Centre on Climate Change (SKMCCC)

Government of Madhya Pradesh Urban Development and Environment Department Environmental Planning & Coordination Organization

Background of SKMCCC

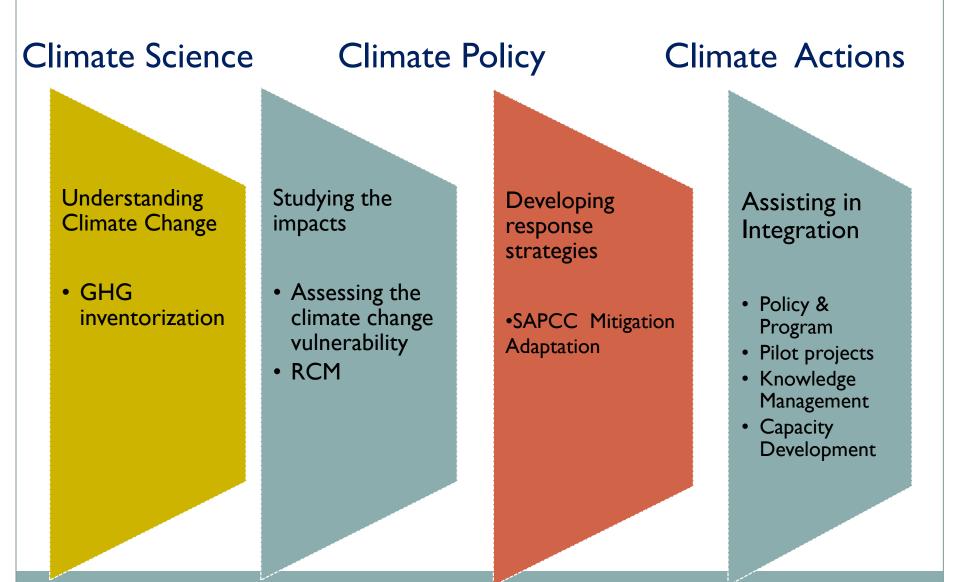
• State Designated Agency for Climate Change issues

- State Nodal Agency Managing knowledge in Climate Change
- DST, Gol has acknowledged SKMCCC of EPCO as the "State Unit for NMSKCC"

Objectives

- Create Knowledge Repository and Enhancing Knowledge Environment there by Bridging the Gap
- Improving Knowledge Access & Transfer; Managing Knowledge as an Asset
- Strengthening the R&D Capacity in Climate Change field
- Mainstreaming Climate Change concerns in the policies and programmes

Activities



SKMCCC Functions

Knowledge Creation –

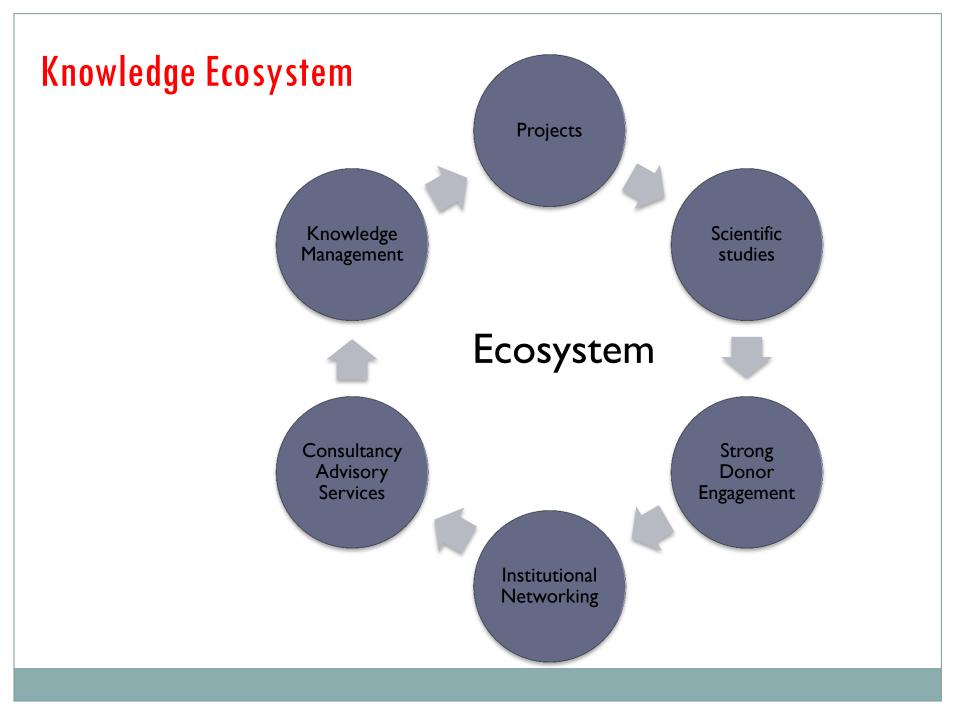
- Research studies in association with scientific institutions and agencies
- Scholarships for carrying out research on CC issues of MP
- Action research projects to generate primary information

Knowledge Collection and Synthesis –

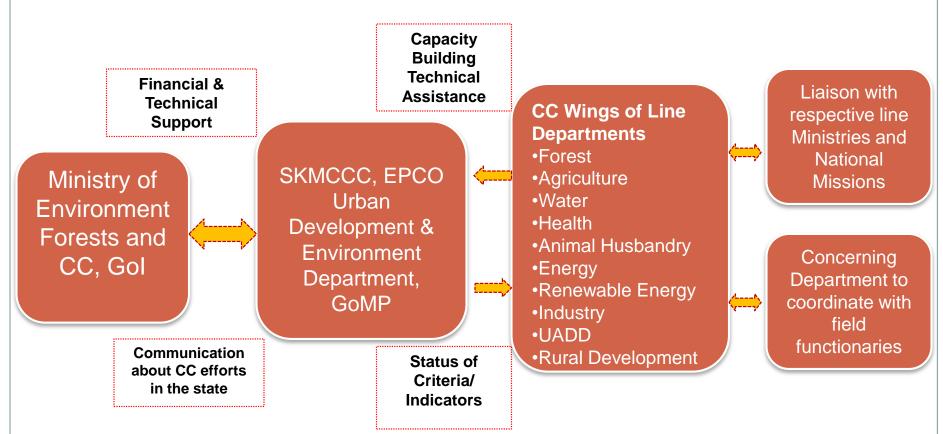
- Establishing Networks and strategic partnerships with institutions and agencies
- Documentation of traditional knowledge
- Case studies on climate change and developmental issues

Knowledge Dissemination -

- Knowledge portal for wider distribution of information.
- Capacity building and training activities.
- Engaging communities and piloting adaptation projects.



Framework & Mechanism



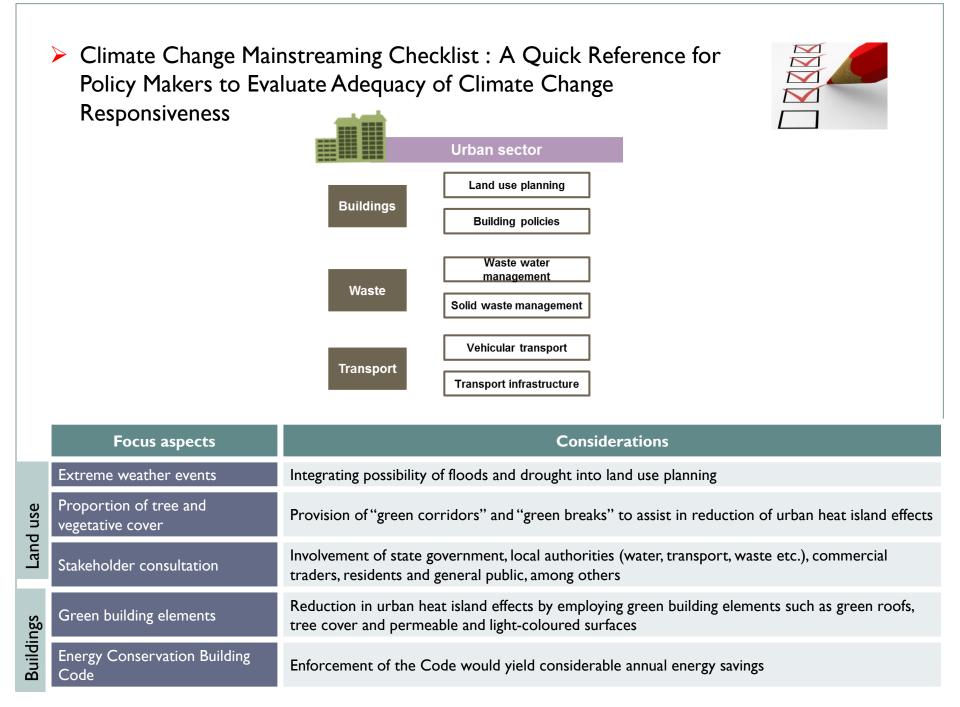
- Climate Change Working Groups formed in departments
 These working groups to coordinate with their respective line ministries
- SKMCCC EPCO to act as the coordination agency
- M&E Criteria and Indicators to be developed with departments

Training & Capacity Building Activities

- Building basics with "Climate Change Appreciation Course" with State Academy of Administration
- Workshops with DCCWGs, govt. officials planned at regular intervals
- Workshops and Trainings with specific department; Forest, Water, Agriculture etc.
- More than 500 officials from different departments have been trained.
- Support to ATMA
 - Support to 5 districts of MP for training & capacity building of field functionaries of ATMA
- Awareness programs in Schools

Identify needs for Pilot Projects / Action Research Projects regarding Climate Change
Support to formulate project proposals

- Integrated Solid waste Management ; Create awareness in the community and building capacities of the workers.
- Waste to resource: Processing Organic Waste
- Capacity building and Training needs of department for implementing the MP SAPCC
 - Knowledge partners with different organizations helping build the capacities of the officials in the Urban Development department.
 - Sensitization workshop for the Urban Development and Environment Department.



Other Activities

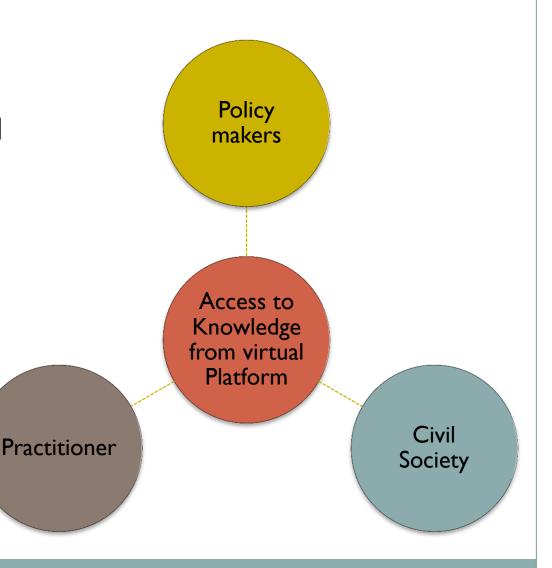
Technical Activities –

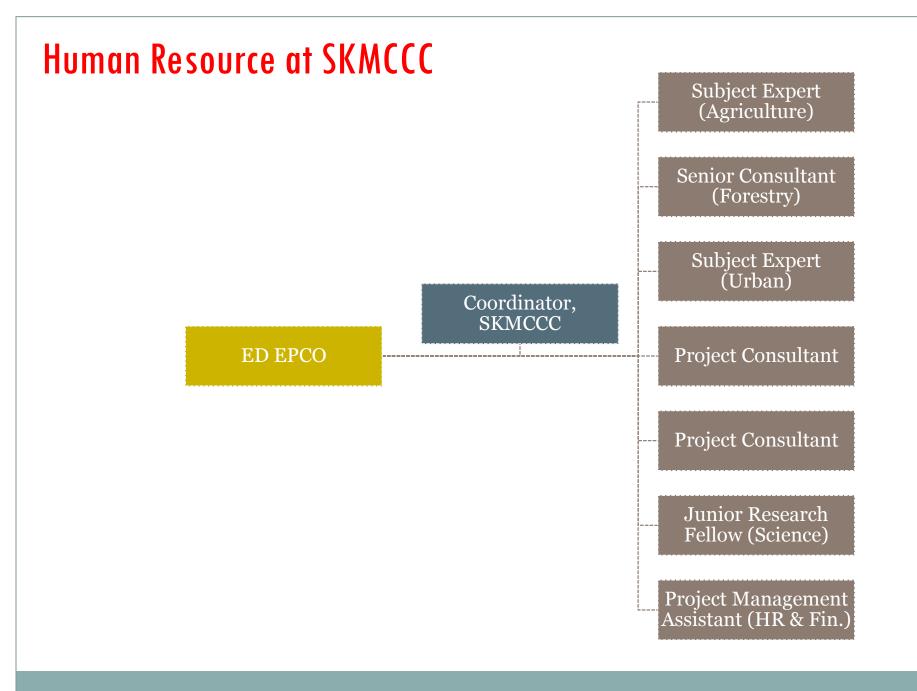
- Preparation of the project for Climate Change Adaptation Fund Board
- District climate profiles for MP
- CC Adaptation Project Formulation based on Landscape Approach
- Strategic Knowledge Generation Studies with IIT-GN
- Research study on "Climate Change & its impacts on Human Health"
- Project on "Impact of climate change on crop insects & pest diseases"
- Development of Knowledge products
 - ✓ Monograph
 - Panchayika special issue on Climate Change –Published by RD Dept.
- Scholarships & internship activities

Knowledge Portal

The climate change knowledge portal established to meet the needs of the three major categories of user groups

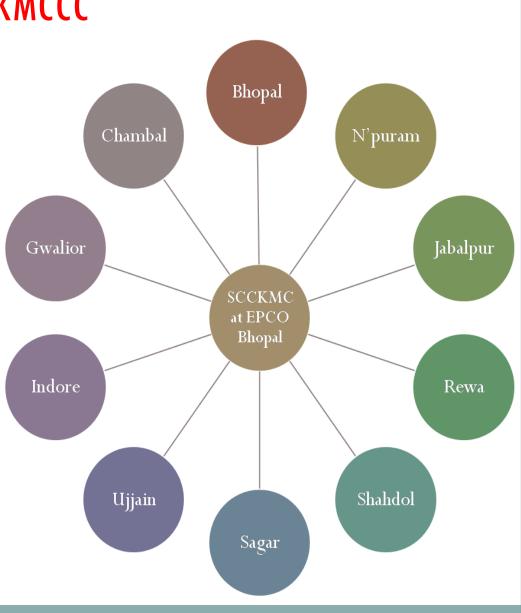
thus serving as the **first point of entry** for policy and decision makers, practitioners and the civil society



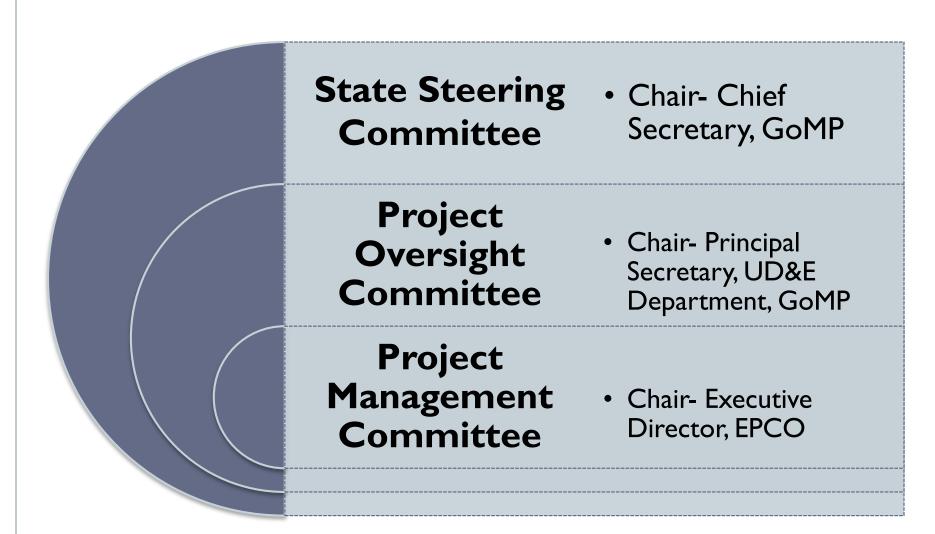


Hub and Spoke model for SKMCCC

- Climate Change Pulse Centre as the extended arm of SKMCCC.
- A committees under Divisional Commissioner with all the Collectors and CEO ZP and district Departmental officers



Institutional Mechanism





Environmental Planning and Coordination Organisation Knowledge Management Centre



Climate change in Madhya Pradesh: A compendium of expert views

Madhya Pradesh

Climate Change

Integrating Concerns - Converging Possibilities

2014



Vulnerability Assessment of Madl Climate Change - a study under 'Climate Change Adaptation in



Thank you !!

INCLUSIVE AND SUSTAINABLE GROWTH FOR MADHYA PRADESH

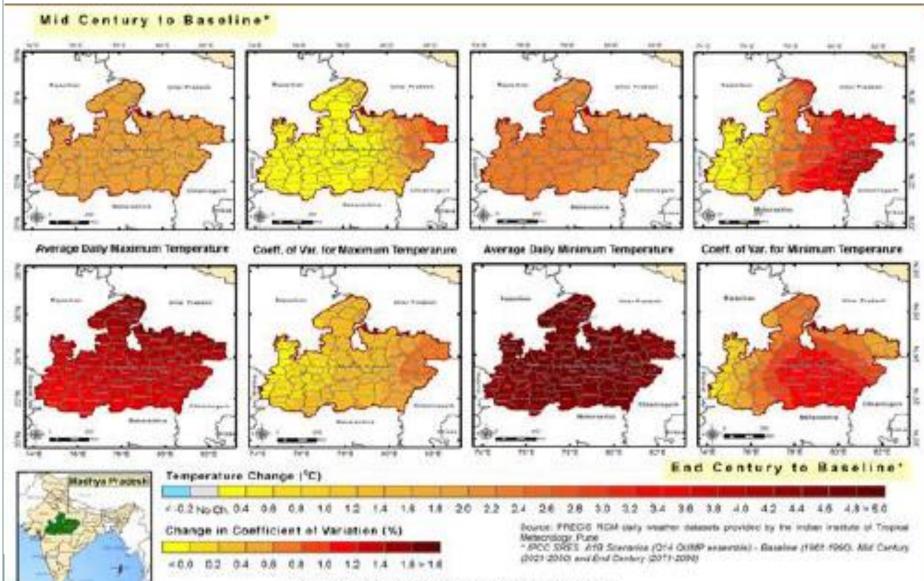
A LOW-CARBON DEVELOPMENT PARADIGM

Climate Scenarios

Projected Changes *	2021-2050	2071-2100	
Daily Max. Temp	1.8-2°C increase	3.4-4.4°C increase	
Daily Min Temp.	2.0-2.4°C increase	>4.4°C increase	
Monsoon Precipitation	rainfall in most parts of MP; No change in Morena, Shivpuri, Gwalior and Bhind; Increase in precipitation in eastern parts of Hoshangabad, northern part of Betul, north eastern parts of	precipitation wrt observed climate in most parts of MP. With major parts of Hoshangabad and Damoh, Mandla and northern parts of Balaghat will experience rain in excess of 1.45 times	
Winter Precipitation	Decrease in precipitation	Substantial increase in precipitation in Central and South western part of MP increasing from between 1.45 to 1.85 times	

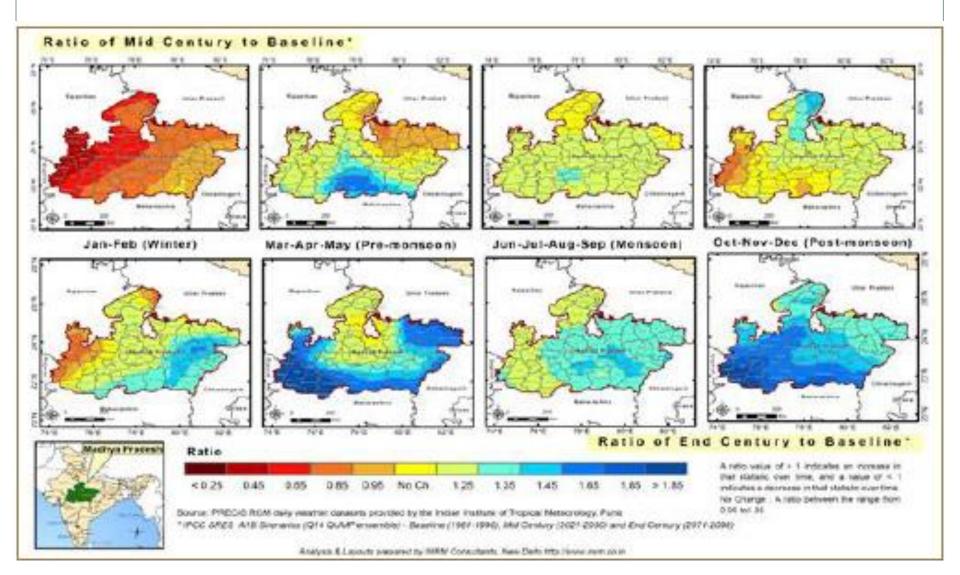
* Projections Based on PRECIS considering A1B scenario

Climate Projections: Temperature



Analysis & Layoute prepared by BIMM Consultance. New Delhi Mtg.:heave innet op.in

Climate Projections: Rain Fall



Vulnerability Assessment –Inferences

Sector	Time Slices			Spatial
	Baseline	2030	2080	
Forest	Tropical Moist Forest, Tropical Deciduous Forest, Tropical Thorn Forest	Reduced area under Tropical Moist Forest	Reduced area under Tropical Moist/ Deciduous Forest	North and South East part in short term (2030) North, South West, South and East part in Long term (2080)
Water (Ganga Basin)	Average Annual Rainfall 1039.2 mm	5% increase in annual precipitation, increase in evapo- transpiration	24% increase in annual precipitation, 22% increase in evapo-transpiration	No significant change in north/ north-east region, increase in central-western part in short term (mid century) increase in north/ north west part, significant increase in north east regions of Ganga Basin (End Century)