



# Developing Monitoring & Evaluation Framework for UPSAPCC 2021-2030: Strategic Knowledge Mission



Environment, Forest and Climate Change Department  
Government of Uttar Pradesh



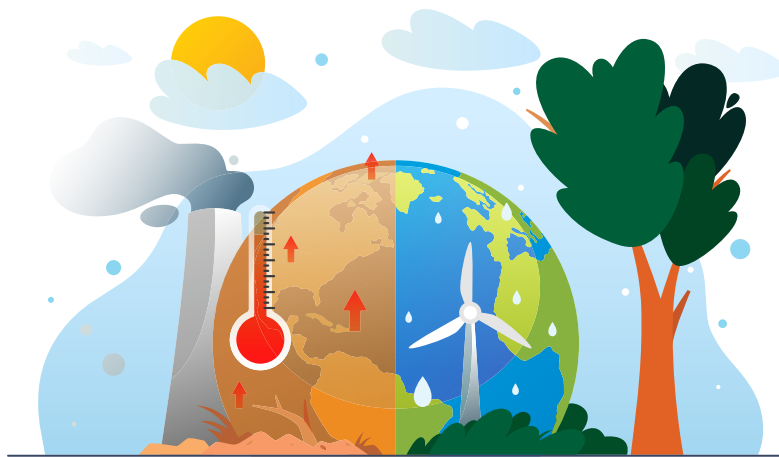
## Introduction

The threat of climate change has become more and more real by every passing day. It is a challenge that humanity has to face as one and that is why international treaties like the Paris agreement 2015 and the pathway to sustainable development, as envisaged under Sustainable Development Goals (SDGs)- Agenda 2030 have been shaped.

The Indian government too had framed the the National Action Plan on Climate Change (NAPCC) of India in 2008. Over time each state has adapted these and framed their own State Action Plan on Climate Change (SAPCC) - twice, earlier in 2009 and an updated one in more recent years. In case of the state of Uttar Pradesh, this was done in 2021.

There are eight consolidated missions under the UPSAPCC 2021-2030 namely Green UP Mission, Sustainable Agriculture Mission, Jal Mission, Human Health Mission, Enhanced Energy Efficiency and Green Energy Mission, Sustainable Habitat Mission, Disaster Management Mission and Strategic Knowledge Mission.

But to successfully implement each of these missions, one needs a system to monitor and evaluate the various actions being taken under them.



## About the Strategic Knowledge Mission

This mission seeks to achieve a dynamic knowledge system which can help to track and inform whether the national actions are being able to address the NDCs and SDGs. It also strives to establish a strong knowledge base for identifying, formulating, planning, and implementing climate policies. The UP Strategic Knowledge Mission for Climate Change (SKMCC) derives its mandate from The National Mission on Strategic Knowledge for Climate Change (NMSKCC). The mission has four strategies that will get implemented through eight action points. The key focus areas of the mission are:

- Strengthening Climate Change Authority (CCA)
- Capacity building of Panchayati Raj Institutions (PRI) and stakeholders for climate action
- District Knowledge Centres for decentralized informed planning and implementation of climate action

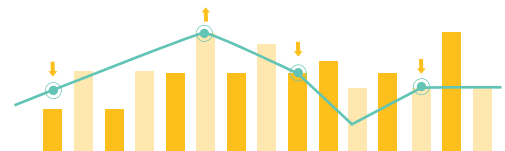


## An oversight of the nature of actions and strategies across the eight missions of UPSAPCC 2021-30

No	Mission	Strategies	Action Points	Adaptation	Mitigation	Both
1	Sustainable Agriculture Mission	5	19	18	-	1
2	Jal Mission	5	25	21	-	4
3	Green UP Mission	5	20	6	10	4
4	Enhanced Energy Efficiency and Green Energy Mission	6	37	1	32	4
5	Sustainable Habitat Mission	9	35	15	9	11
6	Human Health Mission	5	31	24	-	1
7	Disaster Management Mission	2	10	10	-	-
8	Strategic Knowledge Mission	4	10	10	-	-
lk	<b>TOTAL</b>	<b>41</b>	<b>187</b>	<b>104</b>	<b>51</b>	<b>25</b>



## Why an M&E Framework for the revised UP SAPCC?



### Meet the Goals

Monitoring and evaluation (M&E) frameworks are essential for ensuring that climate change action plans are effective in achieving their intended goals.

### Keep track of Plans

It is crucial because it guarantees better evidence-based planning and tracking and aids in the identification of pertinent activities through the creation and operationalization of a framework.



## Course Correction for the path ahead

Moreover, M&E is critical since gaps identified over time reveal mistakes, offer paths for learning and improvements, and provide opportunities to build on expertise and knowledge. A comprehensive M&E framework also allows policymakers and implementers to identify successes and challenges and make data-driven decisions to adjust their strategies accordingly.

## Align with other state plans

With an eye on the goal, the metrics developed in the M&E framework also helps define roles and responsibilities better. The framework also leverages existing monitoring systems under other programmes in the state such as the UP SDG Vision 2030 and UP DEMP.

## A foolproof system for the future

Once deployed, it will facilitate the creation of a data collection, flow, and management system through coordinated efforts by all relevant line departments



## Vision for a dynamic Management Information System (MIS)

The M&E framework that has been developed should give way to a dynamic Management Information System (MIS) wherein data from various line departments will be collated, leading to effective monitoring of the targets set for various activities in the UP SAPCC 2.0. This system can continue to be adapted and used to for other future programmes.



## The Method in brief

The M&E framework was created with the understanding that existing monitoring and data systems should be utilized rather than constructing a separate parallel data gathering mechanism. All relevant documents including the UP DEMP, UP SDG Vision 2030, NITI Aayog SDG index, and the MoSPI documents were studied along with various state and national schemes and programmes that overlap with a particular mission and the indicators within them were collated.

After this the indicators were shortlisted. As a first step only the intermediate and outcome-level indicators were shortlisted. Another criteria was whether they mapped to the strategies within a certain mission or not. Finally, the indicator or a set of indicators were chosen if they gave a holistic perspective of the strategy. Each criteria had a score attached to it and based on this scoring mechanism, the indicators were ranked and chosen.

To finalize the process, consultative workshops were held with various line departments and the indicators were further refined along with identifying or assigning the data sources for these indicators, the periodicity of their collection, who would be responsible for the job, etc.

What is notable is that some of the indicators are relevant to more than one strategy and based on this and other criteria such as data availability, relevance to strategy/ies, holistic perspective, these indicators have been defined as high-priority or not.



## How can one use this book?

This book basically compiles the different indicators that the various line departments need to gather information about in order to successfully monitor the strategies of UPSAPCC 2021-2030. The finalized list of indicators for the Strategic Knowledge Mission are presented below in Table 1A.

Table 1A: Indicators for the Strategic Knowledge Mission

**Blue text: Vulnerability indicators (from SAPCC)**

**Pink Text: These indicators are not from any current scheme since they are part of an action point, which is a recommendation for something that needs to happen in future.**

**Brown Text: Indicators from NITI Aayog SDG Index 2020**

**Green text: Dashboards and Reports**

S. No	Indicators(7)	Mapping to Strategy
1	No. of climate action plans developed at the district level	1
2	No. of research studies conducted that are aligned to the climate action plan at the state level	1
3	No. of impact studies conducted that are aligned to the climate action plan at the state level	1
4	No. of district knowledge centres established	2
5	No. of GPs where climate interventions are integrated with the GPDP	3
6	No. of stakeholders trained on climate action at the state and district level	3
7	No. of women trainers trained related to climate action	3

In Table 2: Operationalized M & E Framework for the Strategic Knowledge Mission , you will find a detailed look at the individual indicators, their definitions, the strategies they have been mapped to the measurement unit, their data sources, the department or agency responsible for their collection and the period during which this has to be done. Thus this is the most comprehensive table for the indicators and offers the Operationalized M & E Framework for the Strategic Knowledge Mission .



If one is working on certain projects under UP DEMP or has to see the alignment of the indicators with a specific programme or UP SDG Vision 2030, one can refer to the tables in the annexure online– one can access it using the QR code given below.



To understand the detailed process behind these tables one can refer to **Developing Monitoring & Evaluation Framework for UPSAPCC 2021-2030 : Process Document.**







## Reference Text for Table 2: Operationalized M & E Framework for the Strategic Knowledge Mission

The Uttar Pradesh State Action Plan on Climate Change (UP SAPCC) 2021-2030 presents climate change-related mitigation and adaptation strategies to address regional and state-specific climate risks. The table below puts together the operationalized M&E Framework for Strategic Knowledge Mission. This Framework was developed after several rounds of deliberations and discussions between DoEFCC, GIZ and Sambodhi, and presents the final short-listed indicators for the mission.

Instructions for reading the mission spreadsheet	Legends
<b>Column 2, Indicator</b> , presents the indicators selected for the mission.	** Indicators derived from schemes, programmes, NITI Aayog SDG Index, SAPCC Vulnerability Indicators, Dashboards and reports
<b>Column 3, Definition</b> , provides a definition of the indicator.	<b>Blue text: Vulnerability indicators (from SAPCC)</b>
<b>Column 4, Mapping to Strategy</b> , presents the strategy or strategies to which each indicator is being mapped.	<b>Pink Text: These indicators are not from any current scheme since they are part of an action point, which is a recommendation for something that needs to happen in future.</b>
<b>Column 5, Measurement Unit</b> , is the unit (e.g., kg, hectares, INR, number, etc.) at which indicator is being measured.	<b>Brown Text: Indicators from NITI Aayog SDG Index 2020</b>
<b>Column 6, Data Source</b> , is the relevant national or state level schemes, programmes, projects, and/or dashboards mapped to the indicators [Source: secondary research].	<b>Green text: Dashboards and Reports</b>
<b>Column 7</b> presents the <b>Department/ Agency</b> responsible for collecting data.	
<b>Column 8, Periodicity</b> , is the frequency at which data is available from the said source. Eg., Annual, bi-annual, quarterly, monthly, etc.	
<b>Column 9, Notes</b> , contains additional relevant information,	

<b>Strategy 1</b>	Building institutional capacity of Climate Change Authority (CCA)
<b>Strategy 2</b>	Establish knowledge hubs and networks
<b>Strategy 3</b>	Capacity-building for mainstreaming climate change into policy development and planning

Table 2: Operationalized M & E Framework for the Strategic Knowledge Mission

No.	Definition	Mapping to Strategy	Measurement Unit
1	<b>No. of climate action plans developed at the district level</b>  Total number of climate action plans developed at the district level  Higher value means better performance (+)	1	Number
2	<b>No. of research studies conducted that are aligned to the climate action plan at the state level</b>  Total number of research studies conducted that are aligned to the state-level climate action plan  Higher value means better performance (+)	1	Number
3	<b>No. of impact studies conducted that are aligned to the climate action plan at the state level</b>  Total number of impact studies conducted that are aligned to the climate action plan at the state level  Higher value means better performance (+)	1	Number
4	<b>No. of district knowledge centres established</b>  Total number of district knowledge centres established in the state  Higher value means better performance (+)	1,2	Number
5	<b>No. of GPs where climate interventions are integrated with Gram Panchayat Development Plans (GPDPs)</b>  Total number of Gram Panchayats in the state where climate interventions are integrated with GPDPs  Higher value means better performance (+)	3	Number

Data Source	Department/Agency Responsible for Data Collection	Periodicity	Notes
DoE	DoE	Annual	
DoE	DoE	Annual	
DoE	DoE	Annual	
DoE	DoE	Annual	
DoE	DoE	Annual	

Table 2: Operationalized M & E Framework for the Strategic Knowledge Mission

No.	Definition	Mapping to Strategy	Measurement Unit
6	<p>No. of stakeholders trained on climate action at the state and district levels</p> <p>Total number of stakeholders trained on climate action at the state and district levels</p> <p>(Stakeholders will include government officials and members of NGO, BODs, CSOs, FPOs, SHG, PPP agencies, and public and private institutes)</p> <p>Higher value means better performance (+)</p>	3	Number
7	<p>No. of women trainers trained on issues related to climate action</p> <p>Total number of women trainers trained on issues related to climate action in the state</p> <p>Higher value means better performance (+)</p>	3	Number

Data Source	Department/Agency Responsible for Data Collection	Periodicity	Notes
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DoE

DoE

Annual

DoE

DoE

Annual

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