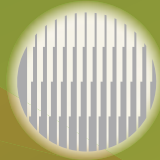




# National Seminar on Climate Change



State Knowledge Management Centre on Climate Change  
Environmental Planning & Coordination Organization (EPCO)  
Department of Environment, Government of MP

## Academic Partners





## Context

Our world is struggling with the consequences of unsustainable development affecting the people, environment, climate, natural resources and all forms of life. Climate change is not just an environmental problem but it is also posing great challenge and threat to the socio-economic development.

Climate change has become a vital subject of concern not only at global level but also at national & sub-national level given the fact that noticeable changes happening in climatic conditions. Anthropogenic activities are leading to unprecedented changes in levels of greenhouse gases. Governments at all levels are trying to address this burning issue. India has also taken measures to combat the adverse impacts of climate change with various policy planning, adaptation, mitigation, training & capacity building and research & development activities. By developing sustainable development policies, governments in partnership with the community, can combat the impacts of climate change and improve the quality of life of citizens.

Realizing the need for bringing all the research, academic and training institutions on one platform to share and exchange knowledge on climate change a national seminar NSCC is being organized. The seminar will provide opportunity for students, research scholars and professionals from different research and academic institutions to present their work and participate in the seminar.

## General Information

- Research papers are invited from PG students, PhD research scholars, JRF, SRF, academicians, scientists and other professionals working in the field of climate change, environment and development for seminar being organized in Bhopal from 22-24 February, 2018.
- The seminar will begin with inaugural session on the eve of 22 February, 2018 followed by technical sessions on 23 and 24 February 2018.
- Technical sessions will start with lead presentation followed by paper presentations. The paper presentations will be judged by a panel and best papers & posters will be awarded.
- A book of abstracts of scientific research papers selected for presentation will be published by EPCO.
- The participation in seminar is open in two categories as paper presenters and as delegates/ attendees. The seats are limited in both the categories.

## Academic Partners

- Rajiv Gandhi Pradyogiki Vishwavidyalaya
- Barkatullah Vishwavidyalaya
- Indian Institute of Forest Management
- M.P. Council of Science & Technology

## Academic Committee

1. Dr Ramprasad, Retd, PCCF (Chair)
2. Dr V K Sethi, VC, RKDF (Member)
3. Dr Gopa Pandey, Retd APPCF (Member)
4. Prof. Ghayur Alam, NLIU (Member)
5. Dr S D Upadhyay, HoD, Dept. of Forestry, JNKVV (Member)
6. Shri. Vivek Dave, Joint Commissioner, Watershed Mission (Member)
7. Dr Tasneem Habib, Sr. Principal Scientist, MPCST (Member)
8. Dr Savita Vyas, Associate Professor, Dept. of Energy and Environment, RGPV (Member)
9. Dr Sunita Soni, Assistant Professor, Nutan Government Girls College, Bhopal (Member)



## Seminar Themes

### Forest and biodiversity

Forest and Biodiversity are intrinsically linked to climate change. These are the largest natural carbon sinks and regulate the climatic factors but these also experience negative climate change impact. The negative impacts on forest ecology and biodiversity can threaten livelihoods of forest communities' directly dependent on forest resources. India in its NDC commitments has recognized the importance of forests and is making efforts to add carbon sink of 2.5 to 3 billion tonnes of CO<sub>2</sub> through additional forest and tree cover. The suggestive topics for submission in this theme are impact of climate change on forest, forest based mitigation and adaptation practices forest ecology and biodiversity, changes in forest types, impact on livelihoods.

### Sustainable Agriculture & Livestock systems

Agriculture and its allied sectors are both contributors and victims of climate change. Agriculture activities like use of chemical and organic fertilizers for crop production, methane emission from rice fields, decomposition of biomass and dead plant residues, livestock rearing, enteric fermentation in ruminants, manure handling, burning of crop residues, conversion of natural land ecosystems into agricultural lands cause GHG emissions. Similarly some of the major impacts of climate change on these sectors are crop failure, increased pest attacks, change in flowering period, increased livestock diseases etc. all threat to food productivity and food security. The suggestive topics

for submission in this theme are impact of climate change on agriculture and allied sectors, mitigation and adaptation in agriculture, sustainable agriculture, Climate Smart agriculture and indigenous farming practices, organic agriculture, burning of crop residues etc.

### Climate Change and Water Security

Observed climate change trends and current projections indicate that climate change will impact water availability, water distribution patterns, precipitation trends, extreme weather events like intense rainfall, flash floods which may lead to challenges like water security and water management. The suggestive topics for submission in this theme are impact of climate change on water resources, ground water development and recharge, new and traditional water harvesting and use techniques, water use efficiency, indigenous and modern systems of water management and other water security issues etc.

### Energy and Climate Change

Energy generation and consumption patterns are closely related to climate change. Energy sector is among the biggest emitters of GHGs. India experiences contrasting situations of power surplus and power crunch simultaneously in different parts. The high dependence on fossil fuel based energy sources and increasing power generation demand in India makes it important to increase the use of clean and renewable sources of energy along with introduction of efficient power generation, transmission and consumption models. The suggestive topics for submission in this theme are energy security, renewable energy sources in view of NDC targets, accessibility, and technological innovations like roof top solar plants; biogas, wind energy, energy demand side management, and carbon capture technologies etc.

### Climate Change and Human & Environmental Health

Climate and weather changes influence human health as these affect the environmental factors like clean air, food, water and shelter responsible for the healthy survival. The variations in climatic factors like temperature, rainfall patterns, heat waves and depleting air quality etc. impact crop productivity, vector borne diseases, transmission dynamics of infections, thus impacting human health. The suggestive topics for submission in this theme are temperature, air and water quality, water and vector borne diseases, temperature inversion, climatic factors or variables and diseases incidences, coping mechanism, climate change and access to public health services.

## Climate Change Science, Engineering and Technological innovations

Science and technology enhances understanding climate change and its impact. The scientific knowledge can aid future climate change risk predictions and designing innovative mitigation and adaptation strategies. Climate engineering or geo-engineering is the new emerging field wherein scientist are exploring approaches to alter Earth's climate in ways that would reduce the expected future warming due to increased emissions of GHGs. The suggestive topics for submission are climate modelling, vulnerability analysis and model based projections for shifting tree lines, plant breeding patterns, flowering and fruiting patterns, carbon captures, low and high end energy technologies for adaptation and mitigation of climate change in different sectors, geo-engineering technology and its scope.

## Policy Framework for Climate Change

Policies can influence and regulate public actions, choices and behaviors. The government of India already has policy and programme initiatives to explore and implement low carbon development strategies in response to Climate Change like Environment policy, NAPCC, SAPCC proposing measures like renewable energy and clean energy technology options, afforestation exercises, tax incentives, water management, research and creation of knowledge on climate change. MP is one of the first states to have prepared a State Action Plan on Climate Change (SAPCC). The suggestive topics for submission are policies and climate change, impact of NDC's, enabling transformative climate actions and pathways, strengthening capacity of state policy making and civil society.

## Climate Change Knowledge and Education

There is need for continuous strengthening of the interdisciplinary climate change scientific knowledge and improving accessibility to scientific climate change knowledge. The importance of climate change education is realised in SDG's Goal 13 target 13.3 -"Improving education, awareness raising and building human and institutional capacity on climate change mitigation and adaptation". The suggestive topics for submission are creating new and advanced climate change knowledge, access to climate change information, communicating climate change science, complementarities among indigenous and scientific knowledge systems, impact of climate change education etc.

## Climate Justice & Socio-Economic and Psychological Climate Change impacts

**Climate Justice:** Climate justice deals with sharing the burdens and benefits of climate change equitably and fairly between generations and within generations. It is in line with UNFCCC's principle of "common but differentiated responsibilities".

### **Socio economic and Psychological aspects:**

The socio economic implications of climate change are well evident in places where the communities practice climate sensitive livelihood options. The impact on livelihood will affect socioeconomic status causing psychological stress related to future security, further poor coping capacity can affect the ability to recuperate from the losses. The suggestive topics for submission are socio-economic, psychological impacts of climate change (distress migration, displacement and relocation) increasing man-wildlife conflict etc., climate change injustice, climate justice initiatives, insurance, subsidies.

## Eligibility Criteria

- PG students, PhD research scholars, JRF, SRF, academicians, scientists and other professionals from academic and research institutes are eligible to submit their research paper on any of the above themes.
- The research work should preferably be based in Madhya Pradesh.
- The abstract and full paper submissions will be accepted both in English and Hindi.
- Maximum of four authors per paper but only principal author can participate as presenter in the seminar.
- The interested candidates should submit their abstract along with duly filled registration form at [www.climatechange.mp.gov.in](http://www.climatechange.mp.gov.in) on or before **6 February 2018 by 5:30 pm**

## Guidelines for Abstract submission

**Title:** Maximum 15 centrally aligned words, each word capitalized, bold in Times New Roman 14 font size.

**Authors' name:** Maximum of four authors allowed per paper. Principal author must be listed first followed by names of 2, 3 and 4 author in font size 12, Times New Roman along with affiliation details like department, Institute, University and first author's email address and phone number.

**Main text:** Maximum of 400 words in Times New Roman, font size-12, justified with single-spacing.

The abstract should provide sufficient details about the research paper including background & aim, methodological approach, observation & results, conclusion. Graphs and references may be used but the abstract should not be of more than two pages and not exceed the word limit of 400 words.

**Keywords:** 4-5 words.

**Note:** The abstracts should be submitted in word format. The candidates submitting abstract for poster presentation will also have to submit image file of the poster along with raw file (the format in which the poster has been originally created).

## Guidelines for Presentation in the Seminar

### Verbal Presentation

- Time allotted for verbal presentation will be 15 minutes (10 minutes for paper presentation and 5 minutes for questions by the panel). Presenter will have to stick to the time schedule.
- The presenter has to summarize all the information about the research in a PowerPoint presentation of 10 slides. She/he should bring the presentation in a pen drive to the venue.

### Poster Presentation

- Information about the research should be summarized using brief written statements and have graphic materials (photographs, charts, graphs, and diagrams).
- The size of the poster should be 91 cm X 122 cm having portrait or landscape orientation.
- Clear labels must be used for each section of the poster. Text should be of sufficient size for easy reading.
- Title must be displayed clearly at the top of the poster and should include the names of the author(s) and the institution(s).
- During the poster display session each participant should be ready in front of his/her poster to answer the questions.
- A template for reference purpose is available at [www.climatechange.mp.gov.in](http://www.climatechange.mp.gov.in)

## Reviewing Criteria

### Abstract Selection

- All abstracts submitted for presentation for poster and verbal presentation will be reviewed by the members of the committee and 36 best papers

will be selected for the presentation and 30 best posters will be displayed.

- The research papers will be reviewed on the following parameters
  1. Relevance to the seminar theme which is climate change
  2. Novelty in thought
  3. Originality of expression
  4. Importance of contribution, Word limit

### Best Presentation Award

The papers and posters selected for presentation in the seminar will be judged by a panel of three members on clarity of thought, logical reasoning, and quality of argument, presentation skills and time management.

## Important Dates

Online Abstract Submission	Release of Advertisement	1 January 2018
	Abstract Submission Deadline	6 February 2018
	Abstract Acceptance Notification	12 February 2018
	Deadline for submitting final image of the poster	15 February 2018
	Full Manuscript Deadline	22 February 2018
Online Registration	Registration for delegates opens on	13 February 2018
	Registration for delegates closes on	21 February 2018
Seminar Dates	Inaugural Session	22 February 2018
	Technical Sessions	23 and 24 February 2018

## Registration Fee

The registration fee is compulsory for all interested to participate as delegates or attendees in the seminar. The participant whose paper is not selected for the presentation in the seminar can register as delegates. The registration fee includes Conference Kit, Tea and Working Lunch.

Delegates Category	Seminar Fee (INR)
PG Students/PhD Research Scholar/JRF/SRF	Rs 500
Professionals	Rs 2000

## Accommodation and Travel:

Participant whose paper is selected by the committee for presentation in the seminar will be given fixed amount of Rs. 5000/- to offset travel and accommodation costs. Remaining all the delegates will have to make their stay and travel arrangements on their own.

### EPCO's Bank Details for electronic payment

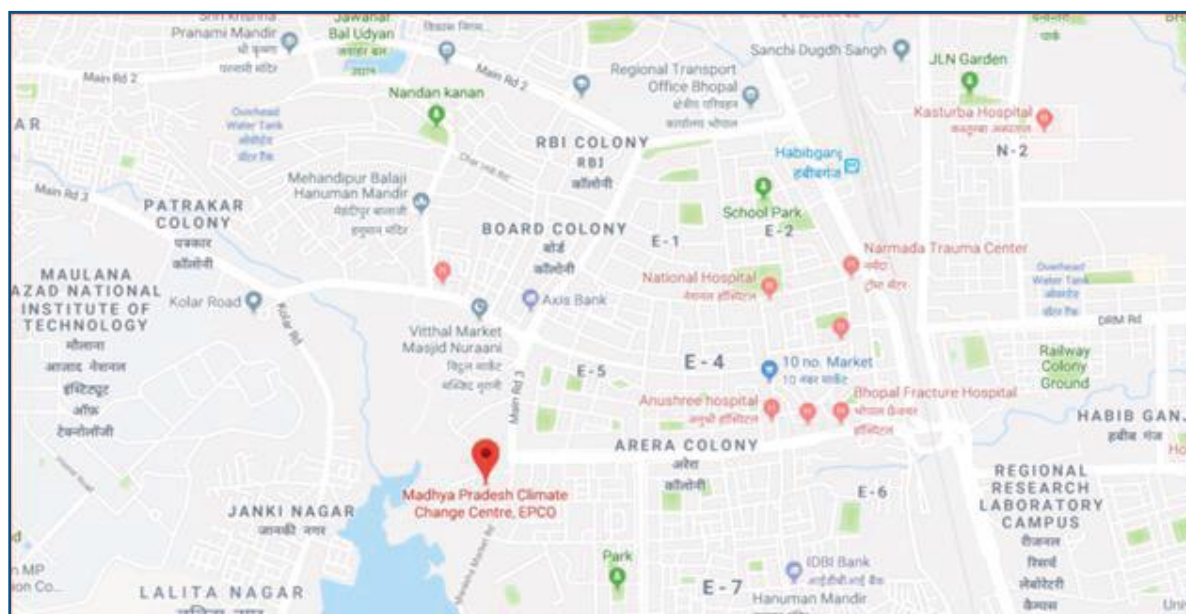
Name of Account holder	FEES EPCO - R
Bank Name and Address	PUNJAB NATIONAL BANK EPCO PARYAVARAN PARISAR, ARERA COLONY,BHOPAL 462016
Account No	3229011100000106
Branch Code	631000
IFSC Code	PUNB0631000

*In the net banking transfer please mention clearly in the remark column that payment is for Registration fee for National Seminar on Climate Change.*

## Venue

### Auditorium and Conference Hall

Environmental Planning & Coordination Organization  
Paryavaran Parisar, E-5 Arera Colony,  
Bhopal-462016

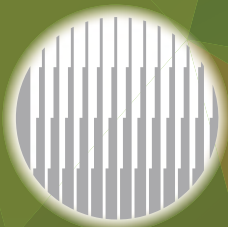


## National Seminar on Climate Change (Tentative Schedule)

<b>DAY- ONE (February 22, 2018)</b>		
<b>INAUGURAL SESSION</b>		
Time	Details	Venue
03:00-03:30	<b>Registration</b>	Auditorium and Lawns
03:30-05:30	Opening ceremony Inaugural Address Key Note Address Exhibition inauguration	
05:30	<b>High Tea</b>	Lawns
<b>DAY- TWO (February 23, 2018)</b>		
<b>TECHNICAL SESSION</b>		
09:00-10:00	Plenary Session	Auditorium
10:00-10:15	<b>Tea</b>	Lawns
10:15-01:15	Paper Presentations	Auditorium
01:15-02:15	<b>Lunch</b>	Lawns
02:15-03:15	Paper Presentations	Auditorium
03:15-03:30	<b>Tea</b>	Lawns
03:30-04:30	Paper Presentations	Auditorium
<b>DAY- THREE (February 24, 2018)</b>		
<b>TECHNICAL SESSION</b>		
09:00-10:00	Poster Presentation	Conference Hall
10:00-11:00	Plenary Session	Auditorium
11:00-11:15	<b>Tea</b>	Lawns
11:15-01:30	Paper Presentations	Auditorium
01:30-02:30	<b>Lunch</b>	Lawns
02:30-03:30	Paper Presentations	Auditorium
03:30-04:00	<b>Tea</b>	Lawns
04:00-05:00	Felicitations Ceremony	Auditorium

**Disclaimer:** In the larger public interest, EPCO the organizer of the event, reserves the right in its discretion to modify or make changes to the information provided above. ED EPCO's decision will be final in case of any discrepancy.

# EPCO



## Contact

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E-5, Arera Colony, Bhopal (MP) 462016  
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2460206  
Email: [ecoevents.epco@gmail.com](mailto:ecoevents.epco@gmail.com)  
Web portal: [www.climatechange.mp.gov.in](http://www.climatechange.mp.gov.in)  
Website: [www.epco.in](http://www.epco.in)

## Environmental Planning and Coordination Organization (EPCO)

Environmental Planning and Coordination Organization (EPCO) is registered society under Environment Department Government of Madhya Pradesh. Established in 1981, EPCO's comparative advantage or its USP is its ability as an "environment problem-solving intermediary" This has largely been helped by the multi-disciplinary composition of the EPCO professionals. In this unique position EPCO connects government as well as non-governmental agencies in solving the environmental problems. To avoid silo thinking in environment and development sector the organization is attempting to play a bridging role between bilateral or multilateral donors who wish to make better investments in people and communities so that the investments are green and also leads to better green governance.

EPCO has been in the unique position to witness some of the most significant developments from the perspective of sustainable development and environment almost from the time they began to unfold. One of the major roles that EPCO performs is to mainstream environmental concerns in various development initiatives of the state; especially poverty and livelihood related issues. EPCO has successfully focused attention on the environmental problem areas of the State through Environmental Status Reports.

## State Knowledge Management Centre on Climate Change (SKMCCC)

Government of India had launched National Action Plan on Climate Change (NAPCC) in June 2008 underlying 8 missions with some targets determined with each mission. One of the 8 missions was National Mission for Strategic Knowledge on Climate Change.

The state Government of Madhya Pradesh (GoMP) has adopted a Vision Document-2018 wherein it has been mentioned that a knowledge centre on climate change is to be set up in Environmental Planning and Coordination Organization (EPCO), Bhopal. GoMP has declared EPCO as the "State Designated Agency for Climate Change" in the state and also Nodal Agency for Climate Change Knowledge Management. State Knowledge Management Centre on Climate Change (SKMCCC) is receiving technical and financial support from Department of Science & Technology (DST) under the National Mission on Strategic Knowledge Management.

Major function of SKMCCC is to create, collect, analyze, synthesize and disseminate the knowledge on climate change. SKMCCC intends to partner up with the organizations, institutions that are already working in this field and would help in strengthening their capacity and disseminating their works. The capacity building and training activities are being taken up in a much larger and focused way to create awareness on climate change issues and thereby assisting the states officials to formulate policies and programs that strengthen its resilience. The knowledge creation includes mainly research studies commissioned to scientific institutions, scholarships for primary research on climate change issues in MP, action research projects to generate new knowledge through experimental learning. For more information on SKMCCC please visit our web portal [www.climatechange.mp.gov.in](http://www.climatechange.mp.gov.in)