

## Workshop on Integrating Climate Action in the Development Planning of Puducherry Union Territory

Date: 05<sup>th</sup> – 06<sup>th</sup> May, 2022

Venue: Maple Hall, The Sunway Manor, Puducherry

Climate change poses significant threat to the ecosystem and biodiversity in Puducherry. The impacts are felt mainly due to alterations in temperature, rainfall patterns, frequency and magnitude of the cyclones, sea level rise, forest fires, soil-water- air pollution, wastes generation, disease outbreaks, etc. In future, the intensity of these impacts is expected to increase further unless adequate planned measures are taken. State Action Plan on Climate Change (SAPCCs) provides a risk based perspective to developmental planning in the changing climate and are forward-looking planning documents that take view of challenges of climate change and possible future risks while incorporating them into the planning process.

Given the evolving nature of climate science and the developments made in this regard, there was a felt need to update the existing SAPCC document for review and revision, in light of the availability of new data on the climate. The Central Government called upon all states and UTs to thereby update and revise their existing SAPCCs to incorporate new findings and strategies in this regard. This presents an opportunity for states and UTs to work towards strengthening their existing policies and addressing challenges and roadblocks that were encountered in the first round of SAPCCs (Puducherry submitted its first SAPCC in 2013). The revised SAPCCs are also an opportunity to further the SDGs and work towards aligning key strategies and interventions of the UT with national priorities.

This workshop aims to support ongoing policies and programs for addressing climate change issues and impacts such as changes in the frequency and impact of cyclones, sea-level rise and extent of urbanization near the coastal regions on the coastal ecosystems. Further, emphasis will also be on solid waste management which is an ever-growing challenge for the cities like Puducherry mainly due to the increasing generation of waste, the burden posed on the municipal budget as a result of the high costs associated to its management, the lack of understanding and managing diversity of factors- appropriate disposal facilities, infrastructure, technology use and transportation. technologies like electric vehicles, renewable energy, sustainable mobility etc. will be discussed.

### Objectives

Workshop intends to achieve the following:

- ✓ Awareness generation on pressing issues and challenges faced by UT on climate change among the stakeholders and their ongoing actions on mitigation and adaptation.
- ✓ Mainstreaming climate actions into UT's policies and planning process, while achieving sustainable development goals and enhancing climate change resilience.
- ✓ Provide a platform to users to understand the importance of climate change knowledge management and communication and the role of Puducherry ClimateChange Cell, ENVIS Hub and other resource partner activities and share their suggestions for future development.
- ✓ Share best practices, models, experiences, lessons learned, innovative methods, expertise and knowledge resources.

### Participants:

About 100 participants from government agencies, academic institutions and civil society will take part.



## AGENDA

Day 1 (05 <sup>th</sup> May, 2022)		
09:30 A.M. – 10:00 A.M.	REGISTRATION	
10:00 A.M. – 11:15 A.M.	Inaugural Session	<p><b>Welcome Address:</b>  <b>Tmt. Smitha. R, I.A.S.</b>  <i>Secretary, Science, Technology &amp; Environment,  Government of Puducherry.</i></p> <p><b>Special Address:</b>  <b>Dr. Nisha Mendiratta</b>  <i>Scientist – G, Head, Climate Change Program,  DST, New Delhi.</i></p> <p><b>Key Note Address:</b>  <b>Dr. S. Mohan</b>  <i>Vice Chancellor, Puducherry Technological, University,  Puducherry.</i></p> <p><b>Felicitation Address:</b>  <b>Thiru. L. Sambath</b>  <i>Member of Legislative Assembly, Mudaliarpet  Constituency, Puducherry.</i></p> <p><b>Thiru. Embalam Selvam @ R. Selvam</b>  Hon'ble Speaker,  Puducherry Legislative Assembly, Puducherry</p> <p><b>Chief Guest Address:</b>  <b>Thiru. N. Rangasamy</b>  <i>Hon'ble Chief Minister of Puducherry.</i></p> <p><b>Vote of Thanks:</b>  <b>Dr. R. Sagaya Alfred</b>  <i>Senior Scientific Officer, DSTE, Puducherry.</i></p>
11:15 A.M. – 11:30 A.M.	HI - TEA	
11:30 A.M. – 01:00 P.M.	Session I: Mainstreaming Climate Action	<p><b>Climate Change – Overview of Challenges Posed;  Global, National and Sub - National Initiatives.</b></p> <p><b>Opening remarks:</b></p> <ul style="list-style-type: none"> <li>• <b>Mr. Atul Bagai</b>  <i>Head-India Office, UNEP, New Delhi.</i></li> <li>• <b>Mr. R R Rashmi</b>  <i>Distinguished Fellow, TERI, New Delhi.</i></li> </ul> <p><b>Technical session:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Outlining Puducherry SAPCC &amp; Strategies on  Integrating Climate Actions in the Governmental  Planning of Puducherry.</b></li> <li>▪ <b>Climate Projections, Vulnerabilities and Responses.</b></li> </ul>



		<p><b>Speakers:</b></p> <p><b>Dr. Henry Neufeldt</b> Head, Impact Assessment and Adaptation, UNEP Copenhagen Climate Centre, Denmark.</p> <p><b>Ms. Suruchi Bhadwal</b> Senior Fellow &amp; Director, Earth Science and Climate Change division, TERI.</p> <p><b>Mr. Saurabh Bhardwaj</b> Senior Fellow &amp; Area Convenor, Centre for Climate Modelling, Earth Science and Climate Change Division, TERI.</p> <p><b>Ms. Vasudha Singh</b> Research Associate, Centre for Global Environment Research, Earth Science and Climate Change Division, TERI.</p> <p><b>Ms. Veena CP</b> Project Associate, Centre for Global Environment Research, Earth Science and Climate Change Division, TERI.</p>
01:00 P.M. – 02:00 P.M.		<b>LUNCH</b>
02:00 P.M. – 03:30 P.M.	<b>Session II: Coastal Resilience</b>	<p><b>Climate Change: Coastal Risks and Adaptation Options</b></p> <p><b>Dr. Tune Usha</b> Scientist-G, National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, Govt. of India.</p> <p><b>Blue Economy Opportunities for Climate Change</b></p> <p><b>Dr. Uma Sankar Panda</b> Scientist-E, National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, Govt. of India.</p>
03:30 P.M. – 03:45 P.M.		<b>HI - TEA</b>
03:45 P.M. – 05:00 P.M.	<b>Session III: Knowledge Management</b>	<p><b>Climate Change: Knowledge Management and Communication</b></p> <p><b>Opening remarks:</b></p> <p><b>Dr. Susheela Negi</b> Scientist – E, Climate Change Programme, DST, New Delhi.</p> <p><b>Presentation by:</b></p> <p><b>Dr. P. K. Bhattacharya</b> Associate Director, Sr. Fellow &amp; ENVIS Coordinator, TERI.</p> <p><b>Mr. P. Vipin Babu</b> Scientist &amp; ENVIS Coordinator, Puducherry Pollution Control Committee, Puducherry.</p>

		<b>Mr. K. Kalamegam</b> <i>Environmental Engineer, Department of Science, Technology &amp; Environment, Puducherry.</i>
05:00 P.M. – 05:30 P.M.	<b>Session IV: Human Health</b>	<b>Climate Change and Human Health: Risks and Responses</b> <b>Dr. T. Mahalakshmy</b> <i>Additional Professor, Department of Preventive and Social Medicine, JIPMER.</i>
Day 2 (06 <sup>th</sup> May, 2022)		
10:00 A.M. – 10:30 A.M.	<b>Session V:</b>	<b>Sustainable Engineering for Climate Change Adaptation</b> <b>Dr. Krishna R. Reddy</b> <i>Director of Sustainable Engineering Research Laboratory (SERL), University of Illinois, Chicago.</i>
10:30 A.M. – 11:30 A.M.	<b>Session VI: Solid Waste Management</b>	<b>Solid Waste Management: Circular economy</b> <b>Dr. Suneel Pandey</b> <i>Director, Environment and Waste Management, Division, TERI.</i>  <b>Climate Resilient Waste Management</b> <b>Er. Sudalai</b> <i>Assistant Professor, Centre for Pollution Control and Environmental Engineering, Pondicherry University.</i>
11:30 A.M. – 11:45 A.M.	HI - TEA	
11:45 A.M. – 01:00 P.M.	<b>Session VII: Water Resource Management</b>	<b>Opening Remarks:</b> <b>Dr. Kalanithy Vairavamoorthy</b> <i>Executive Director, The International Water Association (IWA), London.</i>  <b>Enhancing Climate Resilience through Integrated Water Resource Management</b> <b>Dr. K. Srinivasamoorthy</b> <i>Department of Earth Sciences, Pondicherry University.</i>  <b>Hydrological Disaster Risk Reduction: Preparedness and Response</b> <b>Mr. Prasoon Singh</b> <i>Fellow and Area Convenor, Earth Science and Climate Change Division, TERI.</i>
01:00 P.M. – 02:00 P.M.	LUNCH	

02:00 P.M. – 03:30 P.M.	<b>Session VIII: Energy Efficiency &amp; Sustainable Habitat</b>	<b>Renewable Energy for Climate Change Mitigation</b> <b>Mr. Shirish S Garud</b> <i>Director, Renewable Energy Technologies, TERI.</i>  <b>Roadmap for Sustainable Transport</b> <b>Mr. Sharif Qamar</b> <i>Fellow and Area Convener, Transport and Urban Governance, TERI.</i>  <b>Green Campus Initiatives for Climate Change Adaptation</b> <b>Dr. M. Nandhivarman</b> <i>Coordinator, Office of Green Campus, Pondicherry University.</i>
03:30 P.M. – 03:45 P.M.	<b>HI - TEA</b>	
03:45 P.M. – 05:15 P.M.	<b>Focused Discussion</b>	Addressing the challenges of Climate Change in Puducherry – Focused discussion with participants moderated by DSTE & TERI.
05:15 P.M. – 05:45 P.M.	<b>Valedictory session</b>	Distribution of Certificates Workshop conclusion

### Potential outcome

The workshop will discuss specific issues related to climate change in Puducherry and develop awareness among the stakeholders. It will discuss existing vulnerabilities to climate change, mitigation and adaptation strategies and actions. Finally, a few concrete solutions and alternatives to the existing actions can also be highlighted. Besides, the workshop will provide TERI and Puducherry government an opportunity to network with sectoral experts, academicians and researchers and civil societies which will ensure stakeholder's engagement in the consultation process for revision of SAPCC.