



# ICC Annual Conclave 2025

*From National Vision to Local Action:  
Integrating Subnational Action for India's Cooling Agenda*

16-17 April 2025 | India Habitat Centre, New Delhi

## Background

Rapid urbanisation and intensifying heat stress are driving up the demand for cooling in residential, commercial, and industrial sectors. Without intervention, emissions from cooling could hit 6.1 billion tons of CO<sub>2</sub>e annually by 2050. This presents both a climate challenge and an opportunity to accelerate the adoption of sustainable cooling technologies, which can curb emissions, protect against extreme heat, and secure critical sectors like healthcare and food supply chains.

India has made significant strides in shaping its cooling landscape through forward-thinking initiatives such as the India Cooling Action Plan (ICAP), which provides a long-term roadmap to enhance cooling efficiency while reducing environmental impacts. In parallel, the government has promoted Minimum Energy Performance Standards (MEPS) for cooling appliances, worked on developing the Thermal Comfort Action Plan 2050 and thermal comfort standards cum guidelines and integrated passive cooling solutions into urban planning and building regulations. Furthermore, efforts to promote alternative cooling technologies, including district cooling, and other not-in-kind solutions, are gaining momentum.

Despite this national vision, state and city-level implementation remains a critical challenge. Limited technical capacity, fragmented institutional responsibilities across sectors, and the absence of robust funding mechanisms and regulatory frameworks have slowed the adoption of energy-efficient and climate-friendly cooling solutions at the subnational level. Hence, cooling remains largely demand-driven, with little state-level intervention in shaping its trajectory beyond broad efficiency mandates.

## About ICC Annual Conclave

The ICC Annual Conclave is a premier forum for leaders and experts in sustainable cooling. It drives dialogue, innovation, and collaboration to advance a future where thermal comfort, health, and food security are accessible to all. The inaugural edition, held in March 2024, brought together over 50 delegates from more than 20 organisations and featured insights from 17 leading experts from cooling and related sectors.

The second edition of the ICC Annual Conclave will explore how India's national cooling vision, outlined in the India Cooling Action Plan, can be effectively implemented at the subnational level. **ICC Annual Conclave 2025** will bring together policymakers, industry leaders, and experts to explore how states can develop their own cooling roadmaps, strengthen institutional capacity, and integrate cooling into state climate policies and urban planning. Key discussions will focus on bridging the skilling gap, unlocking innovative financing mechanisms, and leveraging regulatory frameworks and market incentives to accelerate the adoption of climate-friendly cooling solutions.



## Thematic Areas

<p><b>Assessing state infrastructure for a heat-resilient future</b></p>	<p><b>Building state-level leadership and institutional capacity for a heat-resilient future</b></p>	<p><b>Scaling efficient and climate-friendly cooling solutions</b></p>
<p><i>How can states assess current and future infrastructure needs to enhance heat resilience and bridge existing gaps for mission-critical infrastructure and future-proof cities against rising temperatures?</i></p>	<p><i>How can Indian states reimagine cooling as essential infrastructure, weaving it into climate policies, urban planning, and governance for a heat-resilient future?</i></p>	<p><i>Why are sustainable cooling measures underutilised at the state level, and how can states scale up affordable, efficient and climate-friendly cooling solutions for thermal comfort and food security?</i></p>
<p><b>Creating market enablers and sustainable public procurement policies</b></p>	<p><b>Unlocking investment and financing for sustainable cooling solutions</b></p>	<p><b>Bridging technical capacity and skills gap for sustainable cooling</b></p>
<p><i>How can state-level regulatory frameworks, sustainable public procurement policies, and market incentives accelerate the adoption of sustainable cooling solutions and technologies?</i></p>	<p><i>How can states mobilise innovative financing mechanisms and investment pathways to bridge funding gaps and scale up Public-Private Partnership-driven sustainable cooling solutions?</i></p>	<p><i>What role can academic institutions and industry partnerships play in developing the skills and technical capacity needed for a climate-friendly cooling transition?</i></p>

## Program Agenda (Tentative)

DAY 1: 16 April 2025			
Program Agenda	Time	Organisation Lead	Thematic Area
<b>Registration and Networking</b>	<b>09:30 - 10:00 Hrs</b>		
Welcome Message and Context Setting	10:00 - 10:15 Hrs	ICC Secretariat with Member Organisations (MOs)	National and international developments
Keynote Address	10:15 - 10:30 Hrs	ICC Secretariat	
Session 1: Fireside Chat	10:30 - 11:30 Hrs		<ul style="list-style-type: none"> <li>•Assessing state infrastructure for a heat-resilient future</li> <li>•Building state-level leadership and institutional capacity for a heat-resilient future</li> </ul>
<b>Networking Break</b>	<b>11:30 - 12:00 Hrs</b>		
Session 2	12:00 - 13:00 Hrs	MO	Building state-level leadership and institutional capacity for a heat-resilient future
<b>Networking Lunch</b>	<b>13:00 - 13:45 Hrs</b>		
Session 3	13:45 - 14:45 Hrs	MO	Scaling efficient and climate-friendly cooling solutions
Special Session (For publication launch, project announcement, etc.)	14:45 - 15:15 Hrs	MO	
<b>High Tea</b>	<b>15:15 - 15:45 Hrs</b>		
ICC Leader's Roundtable Discussion (Closed-door)	15:45 - 17:00 Hrs	ICC Secretariat	
DAY 2: 17 April 2025			
<b>Registration and Networking</b>	<b>09:00 - 9:30 Hrs</b>		
Special Session: <i>Cool Futures: Inspiring the NextGen of Sustainable Cooling</i>	9:30 - 11:15 Hrs	ICC Secretariat with MOs	Academia focused
Context-setting, lightening talks and speed networking			
<b>Networking Break</b>	<b>11:15 - 11:30 Hrs</b>		
Session 4	11:30 - 12:30 Hrs	RATA	Bridging technical capacity and skills gap for sustainable cooling
<b>Networking Lunch</b>	<b>12:30 - 13:15 Hrs</b>		

Session 5	13:15 - 14:15 Hrs	MO	Scaling efficient and climate-friendly cooling solutions
Session 6	14:15 - 15:15 Hrs	MO	Creating market enablers and sustainable public procurement policies
<b>Networking Break</b>	<b>15:15 - 15:45 Hrs</b>		
Session 7	15:45 - 16:45 Hrs	MO	Unlocking investment and financing for sustainable cooling solutions
Closing Remarks and Way Forward	16:45 - 17:00 Hrs	ICC Secretariat	

## About India Cooling Coalition

The India Cooling Coalition (ICC) is a dynamic multi-stakeholder group comprising non-profits, academic and research institutions, and industry associations dedicated to sustainable cooling research and application. It serves as a national platform for dialogue with diverse stakeholders, recommending policy initiatives to ensure the success of government programs while advocating for affordable and sustainable cooling for all. With 23 member organisations, the ICC aims to accelerate the implementation of the India Cooling Action Plan and strategically address developmental challenges aligned with national and international commitments such as the Kigali Amendment, the Paris Agreement, and the Sustainable Development Goals.

