



# INDIA COOLING COALITION ANNUAL CONCLAVE 2025

16-17 April 2025

Juniper Hall, India Habitat Centre,  
Lodhi Road, New Delhi

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

### **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

### Assessing state infrastructure for a heat-resilient future

*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?*

### Building state-level leadership and institutional capacity for a heat-resilient future

*How can Indian states reimagine cooling as essential infrastructure, weaving it into climate policies, urban planning, and governance for a heat-resilient future?*

### Scaling efficient and climate-friendly cooling solutions

*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?*

### Creating market enablers and sustainable public procurement policies

*How can state-level regulatory frameworks, sustainable public procurement policies, and market incentives accelerate the adoption of sustainable cooling solutions and technologies?*

### Unlocking investment and financing for sustainable cooling solutions

*How can states mobilise innovative financing mechanisms and investment pathways to bridge funding gaps and scale up Public-Private Partnership-driven sustainable cooling solutions?*

### Bridging technical capacity and skills gap for sustainable cooling

*What role can academic institutions and industry partnerships play in developing the skills and technical capacity needed for a climate-friendly cooling transition?*



## Program Agenda

DAY 1: 16 April 2025		
Time	Program Agenda	Organisation Lead
09:30 - 10:00 Hrs	<b>Registration and Networking</b>	
10:00 – 11:00 Hrs	<b>Inaugural Session</b> Welcome Message and Context Setting <ul style="list-style-type: none"> <li>- ICC Secretariat</li> </ul> Keynote Address <ul style="list-style-type: none"> <li>- Shri Tanmay Kumar, Secretary, MoEF&amp;CC (TBC)</li> </ul> Special Address <ul style="list-style-type: none"> <li>- Shri Rajendra Singh, Member and Head of the Department, NDMA</li> </ul> Special Address <ul style="list-style-type: none"> <li>- Ms Arundhati Singh Khanna, President, ASHRAE India Chapter</li> </ul> Special Announcements	ICC Secretariat
11:00 - 11:30 Hrs	<b>Networking Break</b>	
11:30 - 12:45 Hrs	<b>Parallel Sessions</b> <b>'From Vision to Action: Strategic Moves for India's Cool Future'</b> Session A: Young Leaders' Session Session B (Closed-door): ICC Leader's Roundtable Discussion	ICC Secretariat with MOs
12:45 - 13:30 Hrs	<b>Networking Lunch</b>	
13:30 - 14:30 Hrs	<b>Session 1</b> Theme: Assessing state infrastructure and building state-level leadership and institutional capacity for a heat-resilient future	CEEW
14:30 - 15:45 Hrs	<b>Session 2</b> Theme: Building state-level leadership and institutional capacity for a heat-resilient future	WRI + ICLEI
15:45 - 16:00 Hrs	<b>Networking Break</b>	
16:00 - 17:00 Hrs	<b>Session 3</b> Theme: Scaling efficient and climate-friendly cooling solutions	ISHRAE
DAY 2: 17 April 2025		
09:00 - 9:30 Hrs	<b>Registration and Networking</b>	
09:30 - 11:15 Hrs	<b>Special Session</b> <b>'Cool Futures: Inspiring the NextGen of Sustainable Cooling'</b> Academia-focused speed networking session	ICC Secretariat with MOs
11:15 - 11:30 Hrs	<b>Networking Break</b>	
11:30 - 12:30 Hrs	<b>Session 4</b> Theme: Bridging technical capacity and skills gap for sustainable cooling	RATA



12:30 - 13:15 Hrs	<b>Networking Lunch</b>	
13:15 - 14:15 Hrs	<b>Session 5</b> Theme: Scaling efficient and climate-friendly cooling solutions	CHAI + CLASP
14:15 - 15:15 Hrs	<b>Session 6</b> Theme: Creating market enablers and sustainable public procurement policies	CLASP
15:15 - 15:45 Hrs	<b>Networking Break</b>	
15:45 - 16:45 Hrs	<b>Session 7</b> Theme: Unlocking investment and financing for sustainable cooling solutions	AEEE
16:45 - 17:00 Hrs	<b>Closing Remarks and Way Forward</b>	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 enabling access to 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.

