

ICC ANNUAL CONCLAVE 2024



20 March 2024



The Ashoka, New Delhi



BACKGROUND

India is experiencing a significant surge in demand for cooling due to rapid urbanisation, industrial growth, and changing lifestyles, compounded by the challenges of growing heat stress. With over 3000 annual cooling degree days, the country faces vulnerability to rising and extreme temperatures, with profound implications for GDP, food security, and public health.

At the national level, the Indian government has recognised the imperative of addressing cooling as part of its climate change mitigation strategy. The Ministry of Environment, Forests and Climate Change (MoEFCC), Government of India, introduced the India Cooling Action Plan (ICAP) in 2019, a landmark policy framework spanning a 20-year horizon. ICAP offers a comprehensive strategy to meet cooling requirements across various sectors, delivering substantial socio-economic benefits. It encompasses initiatives for space cooling, cold-chain and refrigeration, transport air-conditioning, indigenous production of refrigerants, and research and development in the cooling sector.

At the state level, initiatives are underway to tackle local cooling challenges, focusing on energy-efficient cooling systems, resilience to extreme heat events, integration of passive cooling methods, and adoption of alternative technologies.

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 22 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.

ICC ANNUAL CONCLAVE 2024

The ICC presents the inaugural edition of its Annual Conclave, aimed at convening stakeholders from the cooling and associated sectors to share insights, experiences, and explore opportunities for advancing sustainable cooling initiatives and amplify the voice for thermal comfort for all aligning with national and international commitments towards sustainable development.

Hosted by the ICC Secretariat, led by the Alliance for an Energy Efficient Economy (AEEE), the conclave will feature technical discussions and sessions led by member organisations.

THEMATIC AREAS

Innovation and
R&D Ecosystem for
Sustainable Cooling
Technologies



Capacity Building and
Skill Enhancement of
Service Technicians



Cooling Policies and
Programs at National
and Sub-national
levels



Refrigerant
Management and
Transition towards
low GWP Alternatives



Energy Efficient
Cooling and Demand
Use Management



Transformational
Narratives for
Sustainable Cooling



PROGRAM AGENDA

Timings	Program Agenda	Organisation
09:30 - 10:00 AM	Registration and Networking	
10:00 - 11:00 AM	Opening and Context Setting <p>The event will commence with welcoming remarks by the India Cooling Coalition (ICC) Secretariat, setting the tone for the discussions ahead. The Secretariat will provide an overview of the objectives and agenda of the event, highlighting the significance of addressing cooling-related challenges and opportunities in India. Key learnings and insights from India's G20 Leadership and the Cool COP (UNFCCC COP28) towards energy efficiency and cooling will also be explored during the context setting.</p>	ICC Secretariat with other member organisations
11:00 - 11:30 AM	Presentation: Climate Action Through Sustainable Cooling: Policy Perspectives <p>Exposure to high temperatures affects health, education, and employment while increasing the demand for cooling, which could worsen climate change. Yet, 63 countries, including G20 members, pledged to slash cooling emissions by 68% by 2050, focusing on equitable access to sustainable cooling solutions. The presentation will discuss policies promoting passive cooling, enhancing energy efficiency, and phasing out harmful refrigerants and underscore how the implementation of these measures can curb cooling demand, urging governments to act swiftly against the escalating threat of extreme heat.</p>	Smith School, Oxford India Centre for Sustainable Development
11:30 - 11:45 AM	Networking Break	
11:45 AM - 12:45 PM	Session: Translating National Cooling Policy to Action in States <p>The session will delve into the challenge of heat and the need for access to cooling, State/city initiatives on building resilience to extreme heat, providing access to cooling and implementing climate-friendly cooling solutions to reduce urban heat island effects.</p>	WRI India and NRDC India
12:45 - 1:15 PM	Presentation: Empowering India's Workforce: Navigating Challenges and Overcoming Barriers in Skill Development <p>This presentation will delve into the evolving need of skill development for sustainable cooling solutions, encompassing both technological and educational dimensions. It will offer insights into the intricacies of equipping service technicians with the skills necessary for cutting-edge and climate-friendly cooling systems and propose strategies to foster capacities and skills, along with creating opportunities in the sector.</p>	RATA India

Timings	Program Agenda	Organisation
01:15 - 02:15 PM	Networking Lunch	
02:15 - 03:15 PM	<p>Session: Doubling Energy Efficiency for Cooling Appliances in India</p> <p>Within energy efficiency, the efficiency of appliances that we use in our everyday lives plays a critical role. Among residential appliances, cooling and refrigeration are one of the highest energy consumers. CLASP's net zero hero report highlights actions that must be taken by 2030 to improve the energy efficiency of cooling and refrigeration appliances to keep countries on a pathway for zero emissions. It underscores the need for doubling energy efficiency of all the new ACs and refrigerators sold by 2030 globally.</p> <p>Recognising the importance of energy efficiency in meeting global climate goals, under India's G20 presidency, the Energy Transition Working Group agreed on a voluntary action plan for doubling energy efficiency by 2030. Last year also marked the inaugural inclusion of a reference to doubling energy efficiency in COP28 first ever Global Stocktake. The session aims to delve into how the current pathway for cooling appliances will need to evolve for India to achieve the goal of doubling energy efficiency. It will examine the current trajectory of energy efficiency policies for cooling appliances, explore key strategies to enhance energy efficiency, identify opportunities for collaboration and innovation in the field.</p>	CLASP
03:15 - 03:30 PM	Closing Remarks and Way Forward	ICC Secretariat
04:00 - 05:30 PM	<p>Closed Door Session</p> <p>ICC Leader's Roundtable Discussion on 'Half a Decade of ICAP: Convening Experiences and Plotting the Course for 2030'</p> <p>This session is exclusively reserved for the leaders of ICC Member Organisations.</p>	

