

Webinar on

Implementation strategies for India Cooling Action Plan

2nd September 2020

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ICAP IMPLICATIONS ON NATIONAL POLICY INITIATIVES



Escalating cooling energy needs, and increasing recognition for access to cooling as a social imperative, need to be balanced with India's sustainable growth requirements and international commitments



SECTOR-SPECIFIC POLICY INITIATIVES



Country level	 India's Stimulus package - COVID-19 fiscal response
Space Cooling in Buildings	 Energy Conservation Building Code (ECBC) Eco Niwas Samhita (ENS) for residential buildings Standards & Labelling Programme (S&L) Pradhan Mantri Awas Yojana - Housing for All Smart Cities Mission National Mission on Sustainable Habitats National Mission on Enhancing Energy Efficiency
Cold Chain and Refrigeration	 Doubling Farmers' Income (DFI) initiative National Logistic Policy Agriculture Infrastructure Fund Gramin Agricultural Markets (GrAMs) Mission For Integrated Development of Horticulture

INTERNATIONAL INITIATIVES



Global Cool Coalition

• Launched in March 2019 under the leadership of UNEP; aims to facilitate knowledge exchange, advocacy and joint action towards efficient and climate-friendly cooling

National Cooling Action Plans (NCAP):

• Equipping national governments to conduct holistic assessments of their countries' cooling needs and develop National Cooling Action Plans (NCAPs). Led by **UNEP** and **UNESCAP** for ASEAN Countries.

K-CEP (Kigali Cooling Efficiency Program)

Identifying organizations to partner with countries to include efficient, climate-friendly cooling into their enhanced
 NDCs

World Bank

• Study on Cold Chain Energy Efficiency in India: Analysis of EE Opportunities in Pack Houses

GIZ initiative on Cooling

• Initiated to support the BEE and the Ozone Cell, MoEF&CC in the implementation of the ICAP related to energyefficient centralized space cooling systems

AEEES ENGAGEMENT: ONGOING WORK RELATED TO ICAP



- SHEETAL project: support national government to facilitate the implementation of ICAP and achieving the critical objectives of ICAP and for improvisation in India's climate policies
- **Key Beneficiaries:** Ozone Cell, BEE, MIDH, MoAFW, MoHFW, ClimateSmart Cities Alliance, State Governments and ULBs

Appliances

Energy performance standards and labelling and no refrigerant climate-friendly cooling solutions.





Buildings and Cities

Residential building code adoption and implementation

Cold-Chain

Energy efficient and climate friendly horticulture cold-chain



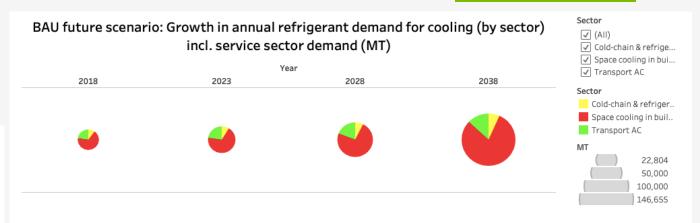
ONGOING WORK RELATED TO ICAP

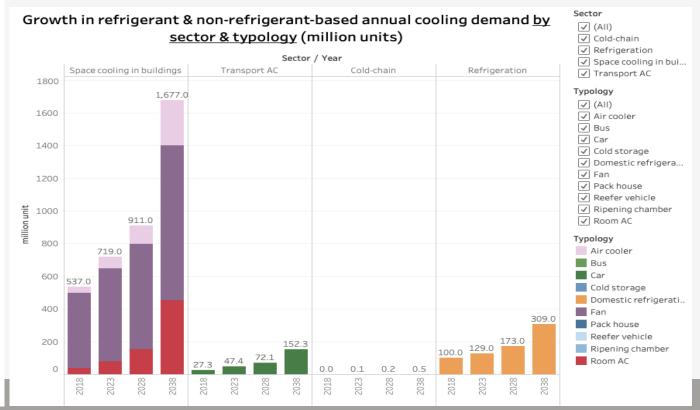


- Creating easily understandable and accessible data stories on Tableau using ICAP data assessment
- Planned for launch in the 2nd Week of September

BAU & intervention future scenarios: Growth in annual electricity consumption for space cooling in buildings by typology (TWh)







WAY FORWARD – FOCUS AREAS



- Capacity building at the state and local government level
 - Current efforts in affordable housing for lower income groups in different states can be tied back with the cooling action plan
 - 'Cool roof' programmes have been implemented in Telangana and some initiatives have been taken in Ahmedabad as well
- Consumer Awareness: Unless there is market demand, local municipalities and state governments will
 not be willing to adopt best practices
- Research and Development: Global cooling prize has encouraged innovation in cooling by the private sector with the objective of reducing emissions
- Enforce compliances and implement efforts to improve cooling efficiency and reduce cooling load
 - Evaluating where under the ICAP the largest impact can be made

ROLE OF CIVIL SOCIETY



Research

- Develop and share evidence on:
 - Innovative Technological & Behavioral alternatives
 - Mechanisms to remove barriers for widespread uptake of sustainable cooling solutions

Innovation

- Develop ideas/projects to incentivize businesses to strive towards greater innovation in the cooling sector
- Showcase and demonstrate alternative cooling solutions and business models



- Commit to raise awareness and shift behaviors on cooling through concrete actions
- Strongly advocate and come up with solutions to avoid the need for active cooling

Awareness Raising

- Bring together public, private and civil society stakeholders in cooling domain
- Establish common interests and identify avenues to collectively accelerate progress towards affordable, efficient and climate-friendly cooling for all

Advocacy

- Engage in policy discussions aimed at designing and implementing cooling policies (ICAP) to ensure these are sufficiently ambitious to live up to the cooling challenge
- Elevate cooling for all as a strategic development, infrastructure and security priority and imbibe it as a cultural imperative in India

THANK YOU