

Webinar Series

On

Multi-Country Industry Dialogue: *Towards Low Carbon Cooling Access*

Context: The world will be increasingly exposed to prolonged heat waves as well as a warmer climate. The need for efficient cooling technologies accessible to vulnerable and economically disadvantaged people is a major challenge. The global pandemic offers through the recovery plans a new opportunity to provide an integrated response & effective and equitable strategies to build back better.

Internationally countries committed to working together to encourage implementation of the Kigali Amendment to the Montreal Protocol on the reduction of hydrofluorocarbons (HFCs) and promote improved energy efficiency standards in the cooling sector, supporting notably the "**Biarritz Pledge for Fast Action on Efficient Cooling**". Innovative solutions like super-efficient technology using low GWP refrigerants and non-refrigerant based cooling technologies customized to specific country market conditions (cost competitive at affordable pricing) can be achieved through technological and policy innovation. Industry coalitions play critical role to accelerate the adoption of low GWP & super-efficient technology through sharing the best practices, experience and innovation.

When it comes to infrastructure, cooling as a sector has been a critical component of it with a vital behind-the-scenes role showing its importance as developmental objective rather than a luxury. India's Cooling Action Plan (ICAP) look at the socio-economic implications of climate change, in general, with access to sustainable cooling for all across all sectors. In the times of COVID, the ICAP implementation became more important to ensure better livelihood in urban infrastructure equipped with thermal comfort measures and robust supply chain to provide food security and healthcare services to all. Carrying forward the objectives of technology driven ICAP implementation, the key is to build more International industry collaborations for the development of a strong science, technology and financial innovation capacity.

With this holistic objective, Embassy of France in partnership with TERI is organizing a Webinar Series delivering the high-level roundtable discussions among key cooling stakeholders from India and France aiming to facilitate multi-country cooling stakeholders' dialogue. The Webinar Series under SHEETAL initiative to facilitate the implementation of ICAP consists of two-parts of stakeholder discussions that focus on facilitating an international cooling forum promoting knowledge exchange in the cooling sector including comfortable habitat, energy-efficiency in buildings, robust cold-chain infrastructure, etc.

Webinar Themes

Webinar 1: Reducing Cooling Demand through Sustainable Building Design and Integrating Efficient Cooling Technologies

Webinar 2: Building Social Resilience through Reliable Cold Chain Infrastructure

Format of the Events

Moderator will lead the discussion among the speakers from India and France, each panelist would be allowed for an opening statement of five minutes. The Chair would then post specific questions to each of the lead discussants and speakers from cross country cooling industries would share the ideas and experience to present the discussion points that relates to the agenda of themes. The last 15 minutes would be reserved for an open house.

Webinar 1

Theme: Reducing Cooling Demand through Sustainable Building Design and Integrating Efficient Cooling Technologies

22nd April 2021 (Thursday) | 1500 – 1650 hrs. (IST)

Current situations led by COVID-19 Pandemic highlights the need to shift focus from reactive to proactive approach towards sustainable urban planning and habitat. As countries intend the accelerated economic recovery that enables business as usual while preventing climate breakdown, facing the lockdowns and spending more time inside by people reveals sustainable buildings as one of the necessities of our livelihood. Falling in the pool of countries with more cooling degree days, India also battles to provide cooling to a larger part of its population which has exposure to more than 3,000 cooling degree days per year, majorly due to low penetration of efficient cooling technologies in buildings.

Taking these notes, experts across sectors are deliberating on the aspects of opportunities for sustainable building design, clean cooling technology interventions, facilitating cross-country learnings to achieve sustainable cooling targets.

To launch the webinar series, before first theme event we begin with high level plenary session hosting high level dignitaries from India and France would be convened. This session would be followed by the Roundtable Panel discussion among the speakers from India and France, covering subject matter aspects of cooling and continue. Key discussion points for the Theme 1 are as under:

- Need for sustainable and efficient cooling infrastructure for Buildings; Involving stakeholders in Long-Term strategies
- Integrated and holistic cooling technology solutions to promote thermal comfort for all; challenges and opportunities
- Facilitating knowledge exchange through best practices in policy, technology and business model interventions