

The Cool Coalition

We will: efficient, climate-friendly cooling



1. Why efficient, climate-friendly cooling is essential



We need cooling to keep our **children healthy, vaccines stable, food nutritious, energy supply stable, economies productive, and environment clean**. In warming world, access to cooling is not a luxury.

One billion people face immediate risks from lack of access to cooling, the vast majority in Asia and Africa.

Around 30 per cent of the world's population is currently exposed to life-threatening temperatures for at least 20 days a year and heat waves already lead to **12,000 deaths annually** across the world. These numbers will increase as the planet warms.

Lack of cooling kills, but so does providing inefficient, polluting cooling. If left unchecked, emissions from cooling are expected to double by 2030 and triple by 2100, driven by heat waves, population growth, urbanization, and a growing middle class.

Cooling will be **one of the top drivers** of global electricity demand over the next three decades. By 2050, space cooling alone will consume as much electricity as China and India today. This doesn't even include the demand for cold chain. But solutions exist to providing cooling solutions for all while keeping the planet cool.

Often the greatest opportunity lies in the greatest challenge. A united effort is needed if we are to cut global warming, improve the lives of **hundreds of millions of people**, and realize huge financial savings.

Global collaboration by a wide range of actors in the form of a **'Cool Coalition'** can do much to achieve these goals.

2. About the Cool Coalition

Mission

The Cool Coalition is a global multi-stakeholder network that connects a wide range of key actors from government, cities, international organizations, businesses, finance, academia, and civil society groups to facilitate knowledge exchange, advocacy and joint action towards a rapid global transition to efficient and climate-friendly cooling. The Cool Coalition promotes an 'avoid-shift-improve-protect' holistic and cross-sectoral approach to meet the cooling needs of both industrialized and developing countries through urban form, better building design, energy efficiency, renewables, and thermal storage while phasing down HFCs. Cool Coalition members are collaborating on science, policy, finance and technology to meet growing demands for cooling in a comprehensive manner, all aimed at raising climate ambition in the context of the Sustainable Development Goals while complementing the goals of the the Kigali Amendment to the Montreal Protocol and Paris Climate Agreement.

The overall approach is to:

- **REDUCE** where possible the need for mechanical cooling through better urban planning and building design, and the use of nature-based solutions such as green public spaces and green roofs and walls.
- **SHIFT** cooling to renewables, district cooling approaches, solar powered cold chains, etc.
- **IMPROVE** conventional cooling by increasing the efficiency of air conditioning and refrigeration equipment and demand response measures.
- **PROTECT** vulnerable people from the effects of extreme heat and consequences of unreliable medical and agricultural cold chains.
- **LEVERAGE** cooperation between different actors active in cooling to achieve a greater collective Impact

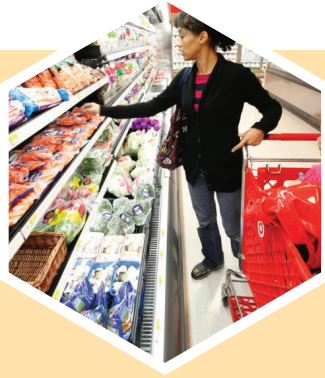


Cool Coalition and the UN Climate Action Summit

The President of Seychelles, Mayor of Copenhagen and CEO of the Children's Investment Fund Foundation (CIFF) took to the Summit's main stage to announce new commitments on efficient, climate-friendly cooling. Commitments include 26 governments promising to develop comprehensive national cooling plans, C40 cities announcing to work with their network of more than 90 member cities to integrate urban cooling into their climate action plans, major companies in the cooling industry pledging to cut the emissions of their products, and investing billions in district cooling pilots as well as donors providing new funding. 5 countries – the Dominican Republic, North Macedonia, Rwanda, Senegal and Spain – also committed to integrate cooling in their Nationally Determined Contributions.

In the next 18 months, the world will experience the biggest coordinated surge of activity in history to advance efficient, climate-friendly cooling for all including scale up of district cooling projects, development of national cooling plans and minimum energy performance standards and labels.





Activities

The Cool Coalition has come together rapidly under the recognition that cooling is important. Together with its partners, the Cool Coalition is now determining its activities in more detail and what is listed here is indicative. Cool Coalition activities are envisaged to be organised around three key pillars to accelerate a global transition to efficient and climate-friendly cooling

Advocacy: Highlighting benefits and opportunities of efficient, climate friendly cooling by:

- Sharing the scientific basis for action (e.g. Key messages from the forthcoming, the Chilling Prospects Report, the Future of Cooling Report, and the Montreal Protocol's Scientific Assessment Panel).
- Engaging stakeholders in a campaign that promotes a common narrative on the cooling challenge, frames priority issues, and highlights the different opportunities for action (communications campaign)
- Recognising major progress / milestones in the public, private and civil society communities (e.g. new policies, cooling challenges and prizes, new products and service, and other approaches that highlight what the best of the best are doing)

Action: Matchmaking to bring partners together for joint delivery in countries and cities by:

- Facilitating a Cooling Summit as a follow up platform to the UN Climate Action Summit for governments, private sector, civil society leaders to jointly address the goal of fast action on climate friendly, efficient cooling
- Identifying synergies across activities being led by Cool Coalition partners to achieve greater scale, efficient use of resources and greater collective impact for countries and cities
- Convening technical workshops, trainings, events, webinars to share best practice experience and expertise of partners in support of policy implementation, project delivery, and investment
- Engaging key leaders and stakeholders in national and international political processes and promoting the inclusion of climate friendly cooling matters in deliberations
- Encouraging common approaches and agreement on common policy recommendations, common templates for National Cooling Strategies, etc.

Knowledge Exchange: Building an active learning community that breaks down silos and promotes cross-cutting approaches by:

- Leveraging the multi-stakeholder network to provide up to date information on the market, policy and investment trends in efficient and climate-friendly cooling vis-à-vis (e.g a Cooling Global Status Report)
- Developing a knowledge toolbox for cooling (e.g. IEA's Kigali tracker, U4E Country Savings Assessments) including an online database of ongoing actions, policies, and projects on efficient, climate friendly cooling and opportunities to get involved.
- Support countries and cities to test and apply tools and methodologies in selected high impact areas through pilots in order to localize these tools and methodologies and strengthen capacities

- Developing national cooling plans
- Developing minimum energy performance standards
- Developing national cooling plans + Developing minimum energy performance standards

Lebanon

China

Bangladesh

Thailand

Vietnam

Philippines

Palau

Sri Lanka

Kenya



Other activities include :

- **Scaling up finance:** to cover investment in new technologies and services and to facilitate customer adoption
- **Technology pilots:** to help bring new solutions to market
- **Innovative products:** that are climate-friendly and are continually made to be more energy efficient
- **District cooling:** to maximize the efficiency of cooling and use waste heat and renewable cooling
- **Cooling as a Service agreements:** to help overcome the cost of capital and improve the servicing of cooling technology
- **Cool (reflective) and green roofs, surfaces, and spaces:** to reflect heat, provide shade, and reduce temperatures
- **Cooling audits:** to find and quantify energy and F-gas reduction opportunities
- **Resources and services:** for knowledge, collaboration, capacity building, and action

Cook Islands ●

Meet the “COOL CHAMPIONS”

Cool Champions are thought leaders from government, private sector and civil society who will amplify the messages of the Cool Coalition, raise awareness about the need for efficient and climate-friendly cooling and mobilize their peers to join this effort. Cool Champions include:



Mr. Bader Al Lamki,
Chief Executive Officer,
Tabreed



Mr. Ahmad Bin Shafar,
Chief Executive Officer,
Empower



Dr. Fatih Birol,
Executive Director,
International Energy Agency



H.E. Dr. Vincent Biruta,
Minister of Environment,
Republic of Rwanda



Mr. Hakan Bulgurlu,
Chief Executive officer,
Arçelik AŞ



Mr. Kim Fausing,
President and Chief
Executive Officer, Danfoss



Ms. Isabelle Kocher
Chief Executive Officer,
Engie



H.E. Mr. Jeppe Kofod
Minister of Foreign
Affairs, Denmark



H.E. Ms. Carolina Schmidt
Minister of Environment,
Chile

How to Get Involved?

The Cool Coalition already has more than 80 partners driving change in the cooling sector and is organised around five stakeholder clusters which include national governments and intergovernmental initiatives, cities, businesses, finance, and civil society. To join, stakeholders are requested to sign the Cool Coalition endorsement indicating at least one transformative commitment they will pursue to advance the goals of the Cool Coalition. In addition, new members are requested to indicate which actions they will take to advance the goals of the Cool Coalition, with the aim of demonstrating action in line with their commitment in first year of joining. To download the endorsement forms, please visit our website: www.coolcoalition.org

Partners can:

Advocacy and Awareness-Raising <p>Use their reach, visibility, and credibility with peers to help the Cool Coalition raise its profile and be a catalyst for action on efficient and climate friendly cooling at high level political fora</p>	Information and Knowledge Sharing <p>Provide market data, information, technical expertise on efficient, climate friendly cooling to participate in the issue papers and reports such as the Cooling Global Status Report</p>	Innovation <p>Combine expertise/capacities with their peers in new ways to develop, test or share new products, technologies, services and approaches by exchange in the clusters</p>
Implementation /Technology Transfer <p>Use their core business competencies to deliver training, projects and programs at the local, national, and regional levels</p>	Policy and Standard Setting <p>Contribute to setting the policy agenda and developing and implementing best practice policies and standards that are commensurate with the cooling challenge and foster private sector investment and delivery</p>	Finance and Investment <p>Develop financial mechanisms and offer funding sources in support of efficient, climate friendly cooling.</p>

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