



# Road to a Cool COP28: Global Cooling Pledge

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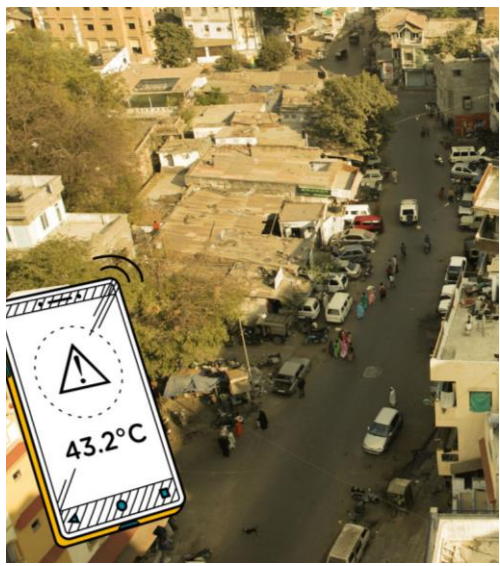
Lily Riahi, Global Coordinator, Cool Coalition, UNEP  
Mikael Melin, Advisor, Energy Transition, COP28

# What is Cooling?

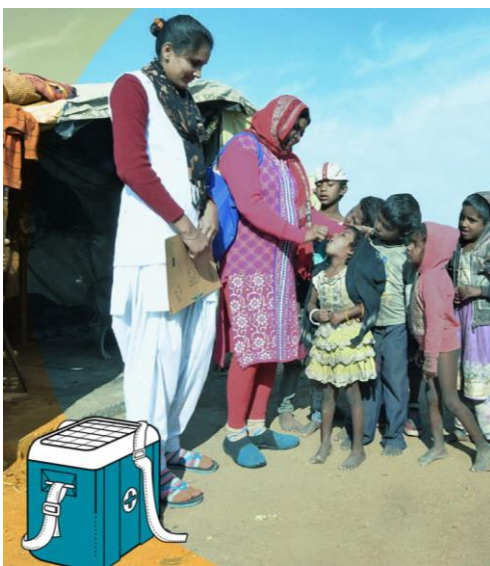
**It's our food system  
and nutrition**



**It's our changing  
built environment**



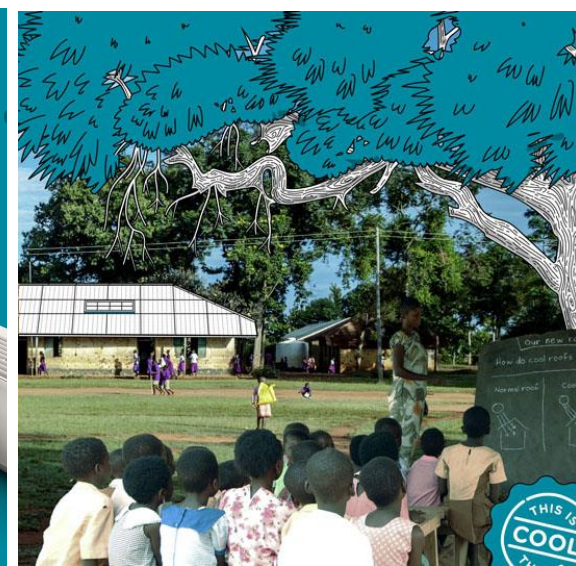
**It's about our  
healthcare**

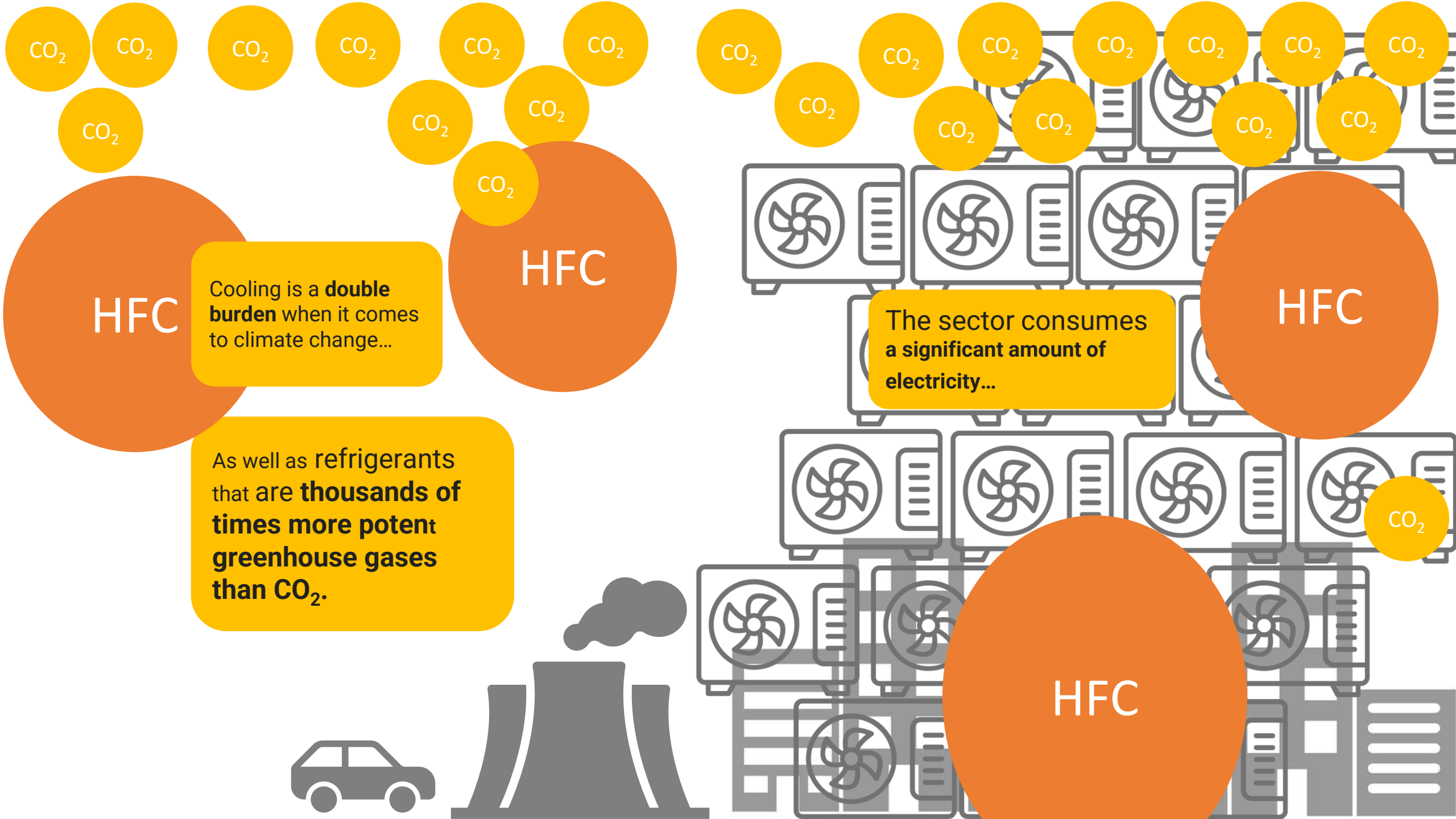


**It's an energy  
problem**



**It's prosperity and  
opportunity**





HFC

Cooling is a **double burden** when it comes to climate change...

As well as refrigerants that are **thousands of times more potent greenhouse gases than CO<sub>2</sub>**.

HFC

The sector consumes a significant amount of electricity...

HFC

HFC

CO<sub>2</sub>



## State of Play

- **Historically Montreal Protocol** refrigerant angle, partially energy efficiency, built environment overlooked.
- **Result:** science is narrow, policy action siloed , governments unprepared

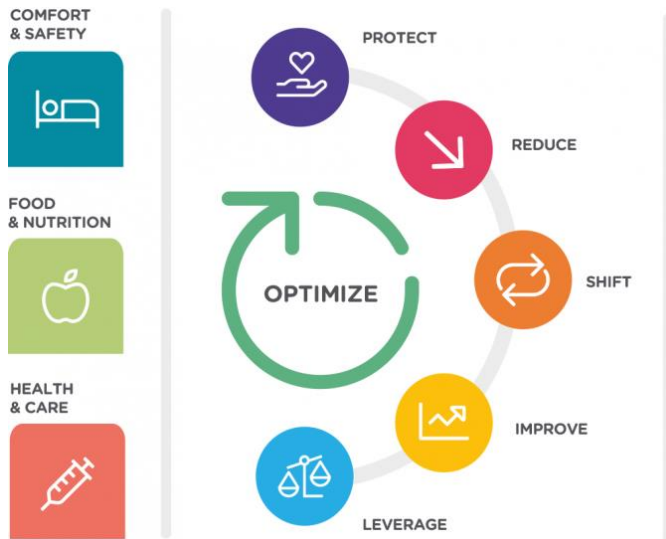




# UNEP Cool Coalition - Partnering for Comprehensive Action

Launch: First Global Conference on Synergies between the 2030 Agenda and Paris Agreement.

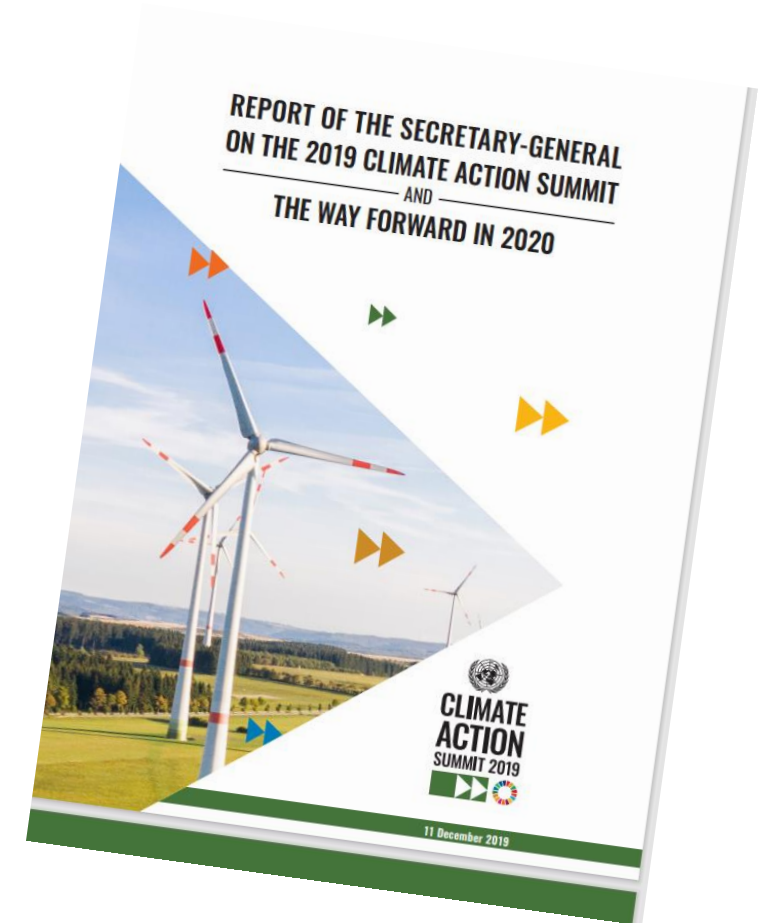
Joint effort of global leaders collaborating on science, knowledge, advocacy and joint action to promote a comprehensive approach to cooling.



**SUSTAINABLE  
DEVELOPMENT  
GOALS**



Kigali Amendment to the Montreal Protocol



# COP28 UAE & UNEP - Partnering for Comprehensive Action



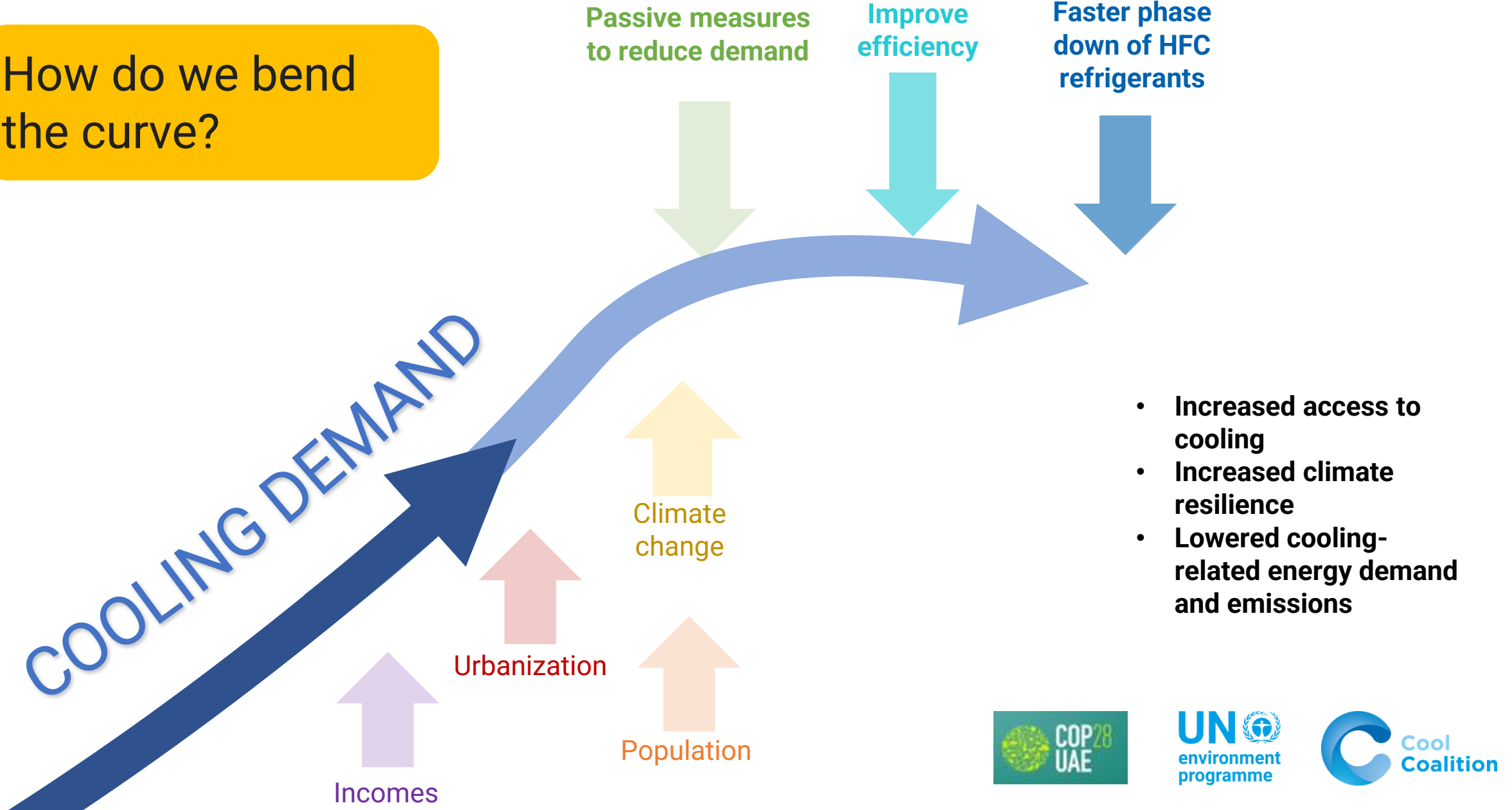
*We must move away from cooling systems that are inefficient and polluting and provide equitable access to climate-friendly cooling solutions. We will work with the Cool Coalition and UNEP to elevate this issue and look forward to showcasing solutions at COP28 this year.*

His Excellency, **Dr. Sultan Al Jaber**,  
COP28 President-Designate

**The Global Cooling Pledge is in the list of nine key non-negotiated outcomes of the COP28 Presidential Action Agenda**

# COP28 Global Cooling Pledge: Partnering for Comprehensive Action

How do we bend the curve?



# COP28 Global Cooling Pledge: Consultation Process

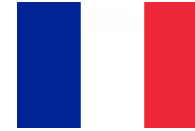
Stakeholder consultations with **100+ non-state actors** and **40+ countries**





# COP28 Global Cooling Pledge: Early Supporters

Early supporters participated in a negotiation of the Pledge text through a contact group.



## Cool Champions:



H.E. Dan Jørgensen, Minister for Development Cooperation and Global Climate Policy of Denmark



H.E. Soipan Tuya, Minister for Environment, Climate Change and Forestry, Kenya



# COP28 Global Cooling Pledge: Summary of Commitments

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- *Commit* to work together with the aim of reducing cooling-related emissions by at least 68% relative to 2022 levels by 2050;
- *Commit to ratify the Kigali Amendment by 2024 if not already ratified;*
- *Commit* to support robust action through the Montreal Protocol Multilateral Fund for early action to reduce HFC consumption and to promote improved energy efficiency for the HCFC phase-out and HFC phase-down;
- *Commit to publishing a national cooling action plan, considering cooling when publishing a national action plan, or publishing a regulation or equivalent by 2026;*
- *Commit* to establish national model building energy codes that incorporate market appropriate measures such as passive cooling and energy efficiency strategies by 2030;
- *Commit to work together to support increased market penetration of highly efficient air conditioning equipment and innovative technologies and to collectively increase the global average efficiency rating of new air conditioning equipment sold by 50% by at the latest 2030 from global 2022 installed baseline;*
- *Commit* to establish Minimum Energy Performance Standards (MEPS) by 2030 and aim to routinely raise ambition and progress noting best available technology and available model regulation guidelines;
- *Commit to establish or update public procurement policies and guidance for low-GWP and high efficiency cooling technologies and innovative solutions by 2030;*



# COP28 Global Cooling Pledge: Summary of Commitments continued

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- *Commit to support collaborative research, innovation, and deployment activities at the local and international level;*
- *Commit to support existing international cooling emission reduction and cooling access initiatives, such as UNEP-led Cool Coalition;*
- *Commit to pursue the life cycle management of fluorocarbons in particular addressing HFCs banks, if feasible, such as through the Initiative on Fluorocarbons Life Cycle Management;*
- *Commit to review progress towards the target of the Global Cooling Pledge on an annual basis until 2030 and have a dedicated high-level meeting at the UN Climate Change Conference;*
- *Commit to maintaining up-to-date, transparent, and publicly available information on our policies and commitments to inform the progress reviews and relevant reports such as the UNEP Global Cooling Stocktake;*
- *Commit to consider new commitments in the Global Cooling Pledge on an annual basis until 2030 as appropriate;*
- *Call on non-state actors including the private sector, financial institutions, and philanthropies to help support the implementation of the Global Cooling Pledge;*
- *Call on other states to join the Global Cooling Pledge.*



# COP28 Global Cooling Pledge: Joining and Launch at COP28



## Endorsement Letter

- ✓ State endorsement of the Global Cooling Pledge
- ✓ Identify a primary point of contact for follow up by the UNEP-led Cool Coalition

*Addressed to:*

- **H.E. Dr. Sultan Al Jaber**, Minister of Industry and Advanced Technology and President COP 28, Government of United Arab Emirates
- **Inger Andersen**, Executive Director, UNEP

*Copied to:*

Mikael Melin at COP28 UAE, [mikael.melin@cop28.com](mailto:mikael.melin@cop28.com) and Lily Riahi at UNEP-led Cool Coalition, [unep-coolcoalition@un.org](mailto:unep-coolcoalition@un.org).

## BLUE ZONE: DECEMBER 5

- ✓ COP28 President and signatories launch event and press conference





# COP28 Global Cooling Pledge

## Questions and Answers Session

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# Subnational Commitments to Global Cooling Pledge

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Graeme Maidment  
Department for Energy Security and Net Zero, UK Government

# Subnational Commitments

Choose at least one of the following:

- *Commit to incorporate cooling in an existing strategy or develop a Heat Action Plan by 2026 to mitigate and adapt to urban heat through sustainable cooling solutions;*
- *Commit to significantly increase the area and quality of green and blue spaces in urban areas for cooling by 2030 in line with the Paris Agreement targets and Target 12 of the Kunming-Montreal Global Biodiversity Framework;*
- *Commit to pursue public procurement of low-global warming potential and high efficiency cooling technologies focused on the lowest lifecycle cost in government buildings by 2030.*

FOR MORE INFO: EMAIL [GRAEME.MAIDMENT@BEIS.GOV.UK](mailto:GRAEME.MAIDMENT@BEIS.GOV.UK) AND [DEEPA.SOLANKI@UN.ORG](mailto:DEEPA.SOLANKI@UN.ORG)





# Industry Commitments to Global Cooling Pledge

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Andrea Voigt, Head of Global Public Affairs, Danfoss Climate Solutions



# Industry Commitments: Summary

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- *Commit* to support efforts to increase access to sustainable cooling by 2030;
- *Commit* by 2024, to set near-term company-wide, 2030 science-based targets, in support of limiting global warming to 1.5 degree, and report over 90% of Scope 3 product-based emissions of heating and cooling technologies, with third-party assurance;
- *Commit* by 2025, to set a long-term net-zero target that is both science-based and company-wide to be implemented by 2050, and report over 90% of Scope 3 product-based emissions of heating and cooling technologies with third-party assurance;

- *Commit* to join other Pledge participants to:

Support Minimum Energy Performance Standards (MEPS) ambition and progress in relation to global Best Available Technology (BAT);

Support phase-down of HFCs and improve the energy efficiency of the cooling sector beginning in 2024, by establishing procurement practices that ensure that air conditioning equipment in government-owned buildings is replaced with low-GWP and high efficiency cooling technologies at the end of its useful life;

Support adoption of model building energy codes and policies that reduce need for additional power generation, that incorporate market appropriate passive cooling, load reduction, thermal energy storage, demand response, and energy efficiency strategies by 2030, along with mechanisms to ensure increasing stringency over time as market capacity and capability builds, and encourage adoption at sub-national level;

Support policies that upgrade infrastructure necessary for a decarbonized cold-chain;



# Industry Commitments: Summary



- *Commit* to implement practices, and support policies, that improve refrigerant management and energy efficiency, including leak reduction, installation and maintenance best practices, and refrigerant recovery, including through direct training of service technicians;
- *Commit to* and support existing international cooling emission reduction and cooling access initiatives, such as those of the Cool Coalition to advance global cooperation and domestic actions;
- *Commit to* publicly report scope 1, 2, and over 90% of product use scope 3 emissions with third party assurance and progress towards the target of the Global Cooling Pledge on an annual basis until 2030;
- *Call on* other actors to join the Global Cooling Pledge.

FOR MORE INFO: EMAIL [SHIKHA.BHASIN@UN.ORG](mailto:SHIKHA.BHASIN@UN.ORG) AND [ANDREA.VOIGT@DANFOSS.COM](mailto:ANDREA.VOIGT@DANFOSS.COM)





# CONTACT US

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COP28 UAE: Mikael Melin, [mikael.melin@cop28.com](mailto:mikael.melin@cop28.com)



FOR MORE INFORMATION, VISIT: [coolcoalition.org](https://coolcoalition.org)