



Sustainable Cooling Towards a Cool COP28

The Eighth Meeting of the Expert Working
Group on Universal Access to Modern Energy
Services, Renewable Energy, Energy Efficiency
and Cleaner Use of Fossil Fuels

3 outcomes are envisioned by the COP28 presidency on cooling:

1. Cooling input in the Global Climate Stocktake
2. Commitments to concrete measurable actions at COP28: pledge and support announcements
3. High-level moment at COP28: Cooling Leadership Segment (ministerial + non-state leaders) , ‘Cool ’ day, Technology demonstrations



Inger Andersen, Executive
Director, UNEP

“Expanding cooling will **protect the most vulnerable communities** from extreme heat, keep food fresh and vaccines safe, employees productive and digital economies viable. I am pleased that **cooling has been put on the global agenda** of the next UN Climate Change Conference.”



“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 Participants in the Global Cooling Pledge:

- *Commit to* work together to collectively increase access to sustainable cooling by 20% by 2030, support adaptation efforts towards increased resilience to extreme heat, and regarding mechanical cooling reduce global anthropogenic cooling emissions intensity across cooling applications by at least 50% below 2021 levels by 2030 as per the International Energy Agency’s Net-Zero by 2050 Scenario;
- *Commit to* support ambitious measures and provide financial resources under the Montreal Protocol Multilateral Fund to improve energy efficiency in the cooling sector while phasing out HCFC and phasing down HFC refrigerants;
- *Commit to* join with other pledge participants to establish MEPS ambition and progress in relation to global Best Available Technology (BAT) that can then be used as a normalized guide to a race to the top in line with the Net-Zero Emissions by 2050 Scenario;
- *Commit to* establish model building codes that incorporate market appropriate passive cooling and energy efficiency strategies by 2030;

- *Commit to* allocate resources, establish regulatory and incentive structures, and increase investment in order to increase the share of renewable energy sources by XX% in the total energy used for cooling;
- *Commit to* developing and releasing a national cooling action plan by 2025 with cross-sectoral domestic targets on cooling, and to reflect actions on sustainable cooling in revised development plans, climate strategies and as appropriate Nationally Determined Contributions to the Paris Agreement;
- *Commit to* procuring equipment of low-global warming potential (GWP) and high efficiency cooling technologies focused on lowest lifecycle cost across all government buildings by 2025 in order to help prime the private sector market;
- *Commit to* increase the proportion of nature-based solutions for cooling to include XX% of designated green or blue spaces, enhancing biological diversity and ecological connectivity;
- *Commit to* the establishment of national resources to aid states and cities in their evaluation and support for a transition to sustainable cooling to increase resilience against extreme heat including through the development of Heat Action Plans;
- *Commit to* allocate resources and/or legislative support to develop and deploy a sustainable cold chain, low GWP cooling solutions, district cooling, and other technologies in a scalable manner;
- *Commit to* integrating cooling in energy access planning and regulations to ensure incorporation of the impacts of growing cooling energy needs with plans for grid decarbonization;

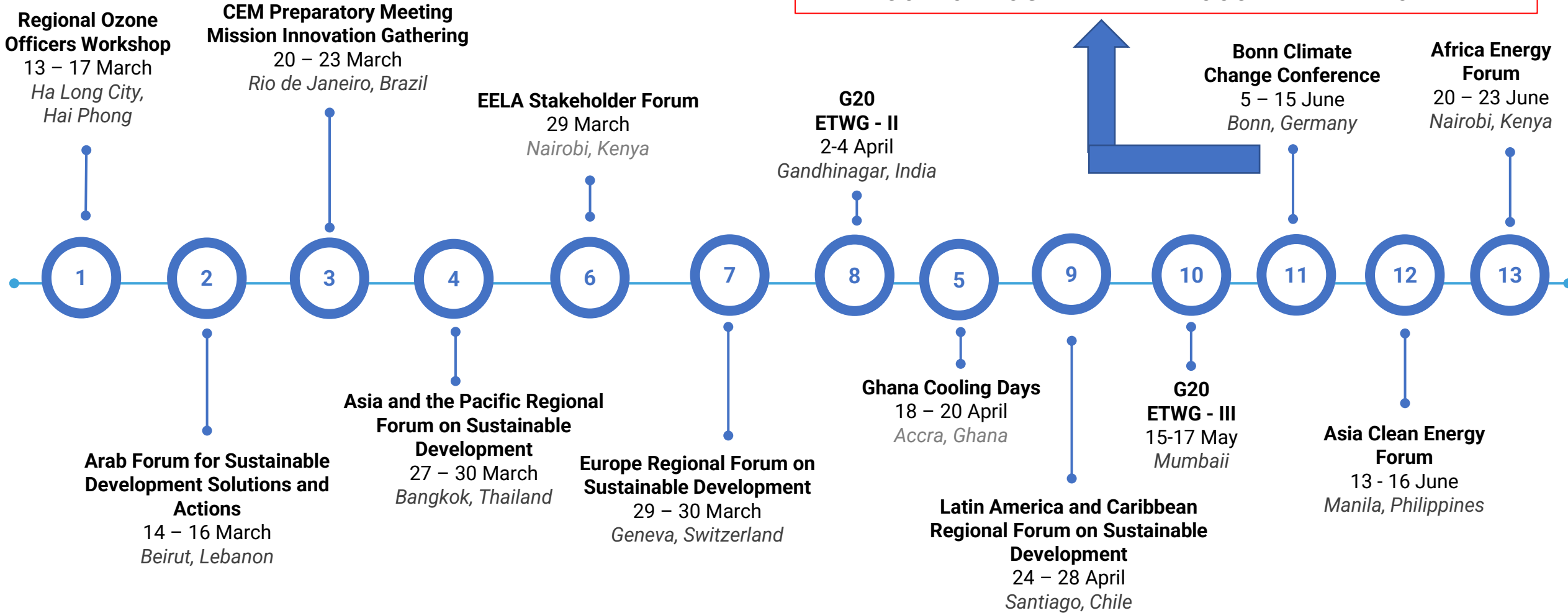
- *Commit to* the ratification of the Kigali Amendment to the Montreal Protocol, if not already undertaken;
- *Commit to* maintaining up-to-date, transparent, and publicly available information on policies and commitments relevant to the Pledge;
- *Commit to* support existing international cooling emission reduction and cooling access initiatives, such as those of the Cool Coalition to advance global cooperation and domestic actions;
- *Commit to* support local and international collaborative research and innovation activities in clean cooling;
- *Welcome and encourage* further domestic actions by participating countries and contributions from the private sector, development banks, financial institutions, and philanthropies to support global cooling emissions abatement and increased access to sustainable cooling solutions;
- *Resolve to* review progress towards the target of the Global Cooling Pledge on an annual basis until 2030 by means of a dedicated ministerial meeting at the UNFCCC Conference of the Parties;
- *Call on* other states and actors to join the Global Cooling Pledge.

Cooling Leaders Roundtable

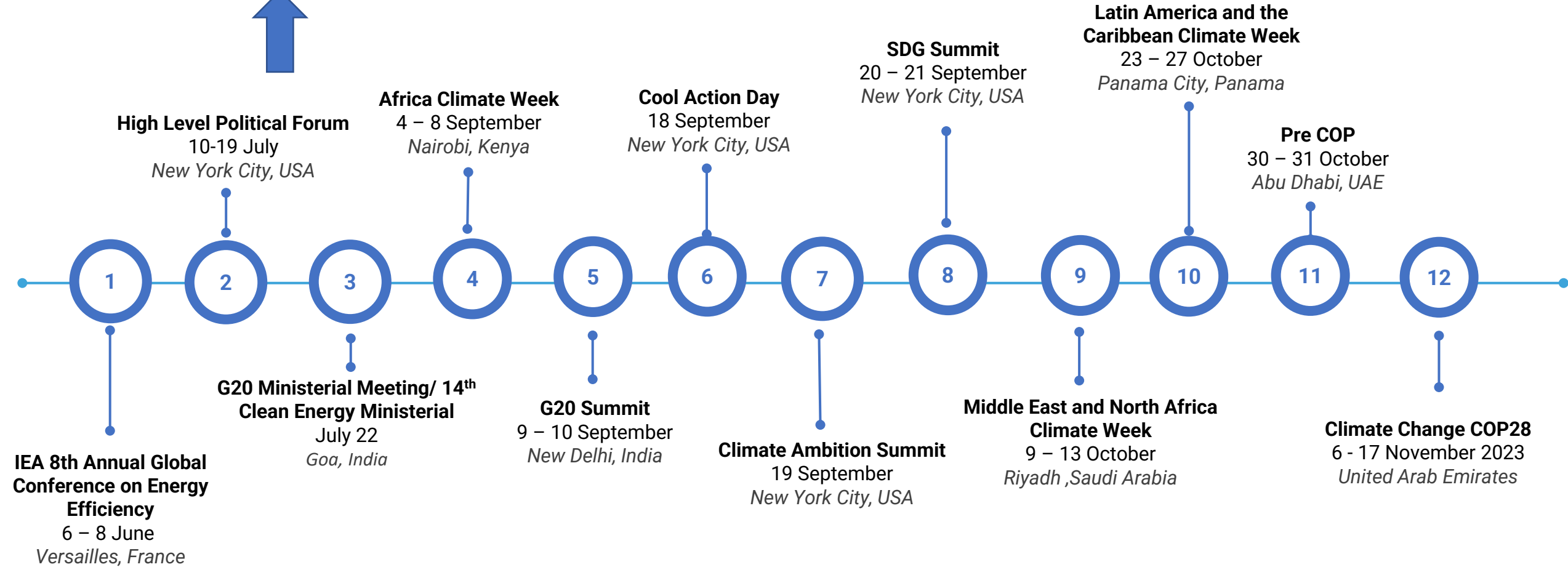


COP28 Roadmap: Technical Consultation

UAE TO ANNOUNCE COOLING AS PART OF THEIR OFFICIAL
COP28 PROGRAMME ANNOUNCEMENT IN BONN



UAE TO ANNOUNCE THE PLEDGE WITH COOL CHAMPIONS



POST JULY ANNOUNCEMENT – FOCUS ON COMMITMENTS TO THE PLEDGE



Dr. Fatih Birol
Executive
Director
International
Energy Agency



Dan Jørgensen
Minister for
Development
Cooperation and
Global Climate
Policy
Denmark



**Dr. Jeanne D'Arc
Mujawamariya**
Minister of the
Environment,
Republic of
Rwanda



**HE Khadeeja
Naseem ***
Minister of State
for Environment,
Climate Change
and Technologies
of Maldives



**Damilola
Ogunbiyi**
CEO and Special
Representative of
the UN SG for
Sustainable
Energy for All,
and Co-Chair of
UN-Energy



**Jürgen
Fischer**
President,
Danfoss
Climate
Solutions



**Khalid Al
Marzouqi**
Chief Executive
Officer,
Tabreed

The Coalition is inviting new **champion governments and organizations** to support the consultations and champion the pledge



Guiding Questions

- What are the most critical areas for action to accelerate a transition towards sustainable cooling? Are they captured in the pledge?
- What is the collective target that we need - is access and cooling emission demand reduction sufficient. Should we add power demand reduction as a collective target?
- What should we aim for in terms of collaborative outcomes that can support the implementation of the Global Cooling Pledge commitments? Should we focus on mobilizing finance, encouraging business model innovation, or a more consolidated support offer for the technical assistance?

QUESTIONS? CONTACTS US

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FOR MORE INFORMATION, VISIT: coolcoalition.org



COOL COALITION: A GLOBAL NETWORK ACTING ON COOLING

The **Cool Coalition**, an official outcome of UN Secretary General's summit, is a joint effort of over 130 governments, cities, businesses, development organizations, and civil society groups. Together we are collaborating on knowledge exchange on science, data, policy, joint action, and advocacy to accelerate cooling in an **efficient, climate-friendly manner**

26 Country Governments



34 Civil Society Organisations



30 Private Sector Stakeholders



18 International Organisations



4 Academia Stakeholders



10 City Governments



KNOWLEDGE EXCHANGE:

Building an active learning community that breaks down silos and promotes cross-cutting approaches

ACTION:

Support governments & industry in taking action to meet cooling demand in comprehensive sustainable manner, connecting to global policy processes

ADVOCACY:

Highlighting benefits and opportunities of efficient, climate friendly cooling