Third Annual Cooling Ministerial:
Heat Resilience and Sustainable Cooling

COP31 Concept note



Date
16 November 2026

Time
18:30–20:00 local time (UTC/GMT+3)

90 minutes

Venue
Special Events Room 1, Uzungol

Blue Zone, Antalya Expo Center, COP31

Convened by	The Government of Singapore, host of the Global Cooling Pledge Assembly 2026, and the United Nations Environment Programme Cool Coalition Secretariat; and the Co-Chairs of the Intergovernmental Committee on Cooling: Brazil (COP30 Presidency) and the United Arab Emirates (COP28 Presidency)
Hosted by	The Ministry of Environment, Urbanisation and Climate Change of Türkiye (COP31 Presidency)
Participation	Ministers and heads of delegation: National governments, subnational authorities and partner organizations. Participation does not imply endorsement of the Global Cooling Pledge or membership of the IGCC
Related events	Singapore Pavilion, 17 November, Heat Resilience and Sustainable Cooling from COP31 to COP32 Japan Pavilion, 13 November, Tackling Heatwaves through the Global Cooling Pledge: Japanese Solutions for Sustainable Cooling

Objectives

Extreme heat is one of the defining development and resilience challenges of the twenty-first century, affecting health and well-being, labor productivity, education, food and water security, infrastructure, energy systems, ecosystems and economic stability. The Singapore Global Cooling Pledge Assembly 2026 sent a clear message: heat resilience and sustainable cooling must be addressed together to reduce heat exposure and cooling demand, while bringing together efforts by governments to deliver on climate and development commitments.

The Singapore Global Cooling Pledge Assembly 2026, hosted by Singapore from 15 to 18 September 2026, brought together more than 230 delegates, including representatives from 60 countries, subnational governments and partners. Its Outcome Document set out three main priorities: an ecosystem for supporting heat resilience and sustainable cooling; a shared agenda on heat resilience and sustainable cooling; and turning priorities into country led delivery.

Held as a COP31 event, this third Cooling Ministerial meeting builds on the Belém Communiqué on Extreme Heat adopted at COP30, and carries the outcomes from the Singapore Assembly Outcome Document from the Global Cooling Pledge Assembly 2026 to Antalya. It brings together Pledge signatories and other participating national and subnational governments and partners to take stock of progress on heat resilience and sustainable cooling, launch the country-led development process for the Global Heat Resilience Roadmap for a Warming World, and invite collaboration through the thematic action coalitions of the Workplan 2027 to 2028. The Ministerial meeting welcomes the Antalya to Addis Heat Resilience Declaration and opens endorsement to be consolidated with the launch of the jointly developed Global Heat Resilience Roadmap at COP32 in Addis Ababa.

The COP31 Presidency has set two headline objectives: reducing building sector energy intensity by 25 per cent by 2035 and increasing the share of electricity in final energy consumption to 35 per cent by 2035. Passive and highly efficient cooling sits at the intersection of both.

The Ministerial meeting will reinforce the need for urgent action on heat resilience and sustainable cooling together, including through the co-development of the Heat Resilience Roadmap for a Warming World, strengthen the Global Cooling Pledge as a key international platform For heat and sustainable cooling, and accelerate integrated action through enhanced international cooperation, technical support, and investment in heat resilience and sustainable cooling solutions. The Ministerial meeting also positions heat resilience and sustainable cooling as a central sectoral contribution to the next phase of Paris Agreement implementation and the second Global Stocktake dialogue, which opens at COP31.

Objectives

1. Welcome the proposal of the Assembly Outcome Document to launch a country-led process to co-develop the Global Heat Resilience and Sustainable Cooling Roadmap, open to all governments, with a view to its presentation at COP32, and welcome the opening of the draft Antalya to Addis Heat Resilience Declaration for endorsement at COP32.

2. Showcase country leadership in the action areas of the Workplan 2027 to 2028; and invite participating governments and partners to join and lead the delivery of the thematic action areas.

3. Take stock of progress by countries on heat resilience and sustainable cooling, including implementation of the Global Cooling Pledge by its signatories, and the growing uptake of heat and cooling in the NDCs, and carry forward the Singapore Assembly Outcome Document.

4. Strengthen contributions to the second Global Stocktake and coherence between the Paris Agreement and the Montreal Protocol and its Kigali Amendment, building on the rise in HFC coverage to 69 per cent of Parties in the latest NDCs, and welcome the Antalya Communiqué as the outcome of the Ministerial, recording progress and the next steps towards COP32.

Expected outcomes

The Antalya Communiqué welcomed and the draft Antalya to Addis Declaration opened for consultation, with the country-led process to co-develop the Roadmap under way for presentation at COP32.

Thematic action coalitions of the Workplan 2027 to 2028 taking shape, with countries and partners signaling which they will lead, including an industry and advisory grouping linked to the Manufacturing Platform.

A shared, evidence-based picture of where heat resilience and sustainable cooling stand, including how cooling is reflected in the new NDCs, as the basis for the next phase of the workplan and the next NDC round.

Heat and sustainable cooling reflected in the opening of the second Global Stocktake dialogue, with a stronger coherence between the Paris Agreement and the Montreal Protocol and its Kigali Amendment.

Agenda

Timing	Agenda Item	Speaker
1 min	**Opening**	**Mr. Martin Krause,** Director, Climate Change Division, United Nations Environment Programme
10 min	**Welcome Remarks** **From Singapore to Antalya:** Outcomes of the Global Cooling Pledge Assembly 2026 and way forward	**H.E. Ms. Grace Fu,** Minister for Sustainability and the Environment, Singapore **Ms. Inger Andersen,** Executive Director, UNEP
6 min	**Special Remarks** **From Belém to Antalya:** Political momentum on extreme heat and sustainable cooling.	**H.E. Mr. Hasan Suver,** Deputy Minister of Environment, Urbanization and Climate Change, Türkiye **H.E. Ms. Ana Toni,** CEO, COP30 Presidency, Brazil
6 min	**Special Announcements**	**H.E. Mr. Takeshi Sekiya,** Vice-Minister for Global Environmental Affairs, Japan **Mr. Sze Ping Lo,** Programme Director, Sequoia Climate Foundation
55 min	**Ministerial Roundtable**	**Opening of Dialogue by Co-Chairs, Intergovernmental Committee on Cooling** **H.E. Mr. Mohammed Saeed Al Nuaimi,** Undersecretary, Ministry of Climate Change and Environment, United Arab Emirates **H.E. Mr. Adalberto Maluf,** Vice Minister of the Environment and Climate Change, Brazil **Participating Ministers and Vice Ministers:** Antigua and Barbuda, Belgium, Bhutan, Cambodia, Central African Republic, Ecuador, Gabon, Ghana, Indonesia, Japan, Micronesia (Federated States of), Nigeria, Pakistan, Palau, Singapore, Solomon Islands, South Sudan, Sri Lanka, Togo, Türkiye, United Arab Emirates. **Ambassadors/HoD:** Armenia, Bahamas, Brunei Darussalam, Chile, China, Dominican Republic, El Salvador, Eswatini, Ethiopia, Germany, Grenada, Iceland, Italy, Kenya, Lebanon, Madagascar, Maldives, Peru, Philippines, Seychelles, Somalia, Switzerland, Timor-Leste, Tunisia, United Kingdom, Viet Nam. **Partners:** Children's Investment Fund Foundation (CIFF), ClimateWorks Foundation, Coalition for Disaster Resilient Infrastructure (CDRI) / Daikin, Environmental Investigation Agency, Green Globe Foundation, International Institute of Refrigeration (IIR), International Renewable Energy Agency (IRENA), Minderoo Foundation, Regional Center for Renewable Energy and Energy Efficiency (RCREEE), Sustainable Energy for All (SEforALL), Zurich Insurance Company Ltd. **Moderated by:** **H.E. Adalberto Maluf,** Vice Minister of the Environment and Climate Change, Brazil

Agenda

Timing	Agenda Item	Speaker
	Q1. Heat Resilience: Does the Roadmap resonate with your country's needs to address rising heat and deploy sustainable cooling solutions?	**Q2. Progress:** What progress has your country made on heat resilience and sustainable cooling that you would like to share?
		Q3. Collaboration: In which areas of the Action Agenda will your country engage e.g., the Manufacturing Platform for market transformation of efficient equipment; passive cooling; sustainable cold chain; NCAPs; finance, etc.?
3 min	**Reflections from the UNFCCC Secretariat**	**Ms. Joanna MacGregor,** Chief of Strategy and UN Affairs, United Nations Framework Convention on Climate Change
3 min	**From Antalya to Addis**	**H.E. Mr. Gedion Timothewos,** Minister of Foreign Affairs, Ethiopia
4 min	**Closing Remarks**	**IGCC Co-Chairs,** Brazil and United Arab Emirates
	Group Photo	

Annex

Background

At COP28 in 2023, the United Arab Emirates and the UNEP Cool Coalition launched the Global Cooling Pledge, the first global political commitment to cut cooling-related emissions by 68% by 2050, while rapidly expanding access to sustainable cooling. Since its launch, the Pledge has become the leading international platform for advancing sustainable cooling through coordinated policy action, implementation support, and international cooperation.

At COP29, ministers convened for the first Annual Cooling Ministerial meeting to review progress under the Global Cooling Pledge. They adopted the first Annual Progress Report, endorsed the 2030 Implementation Strategy, appointed Brazil as co-Chair of the Pledge Contact Group, and welcomed the proposal to establish the IGCC to strengthen governance and coordination of the Pledge.

The second Annual Cooling Ministerial at COP30 in Belém marked the transition from political commitment to implementation. Ministers formally established the IGCC as the governance body of the Global Cooling Pledge, adopted the Global Cooling Watch Report 2025 and its Annual Pledge Progress Section, endorsed the Belém Communiqué on Extreme Heat, and welcomed the operationalization of the Enabling Pledge Implementation for Cooling (EPIC) Facility as the Pledge's implementation mechanism. COP30 also launched Beat the Heat (Mutirão contra o Calor Extremo), jointly led by the COP30 Presidency of Brazil and the UNEP Cool Coalition, as the implementation drive of the Global Cooling Pledge to accelerate coordinated national and local action on extreme heat resilience and sustainable cooling.

IGCC convened its first meeting of national focal points during the 2026 Global Cooling Pledge Assembly. The meeting discussed priorities for the next phase of the Global Cooling Pledge, advanced the development of implementation support through EPIC, and laid the groundwork for the strategic decisions and deliverables to be considered by ministers at COP31.

Additional information

Global Heat Resilience and Sustainable Cooling Roadmap

An advisory framework to bridge existing heat resilience and sustainable cooling efforts, support countries to assess heat and cooling risks, identify implementation priorities and strengthen cross sectoral coordination, co-created with countries and building on existing national plans and institutions, with a view for presentation at COP32.

Workplan 2027 to 2028

A workplan for cooperation among willing Pledge signatories and other participating countries and partners, facilitating knowledge exchange, collaboration, implementation support and resource mobilisation in a flexible, demand driven manner, through thematic action coalitions on the Heat Resilience Roadmap, national and multilevel planning, market transformation and finance.

Manufacturing Platform

A voluntary initiative that brings together governments and manufacturers to increase the availability of efficient cooling equipment and accelerate the transition towards low and ultra-low GWP refrigerants.