



Cooling for All Training

ECOWAS Regional Energy Forum and Training

19 November 2021

In Partnership With





Sessions:

1. **Global Cooling Collaboration**
2. **Cold Chains**
3. **National Cooling Action Plans**

Trainers:

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1 | Global Cooling Collaboration

UNEP, ClimateWorks & SEforALL

Landscape of Collaboration on Sustainable Cooling

<p>Cool Coalition</p> <p>2019 UN Climate Action Summit outcome</p> <p>Stakeholder coalition with working groups to develop new implementation models</p>	<p>Clean Cooling Collaborative</p> <p>Formerly the Kigali Cooling Efficiency Program</p> <p>Investing in partners to provide global, country or project support on clean and climate friendly cooling.</p>	<p>Cooling for All</p> <p>SEforALL-led initiative to drive investment and policy action on access to cooling in support of SDGs</p> <p>Knowledge and data provider on access to cooling and risks</p>
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Action Areas

<p>Finance</p> <p>World Bank Group</p> <p>Green Climate Fund</p> <p>Regional Development and Investment Banks</p>	<p>Policy</p> <p>United for Efficiency</p> <p>International Energy Agency</p> <p>CLASP</p>	<p>Data</p> <p>Chilling Prospects Reports</p> <p>UN Environment</p> <p>Global Food Cold Chain Council</p>	<p>Business and Services</p> <p>Race to Zero</p> <p>Cooling as a Service Alliance</p> <p>Africa Centre of Excellence</p>
<p>Urban Cooling</p> <p>Rocky Mountain Institute</p> <p>Global Cool Cities Alliance</p> <p>AARF Resilience Centre</p>	<p>Food and Health</p> <p>World Bank Group</p> <p>University of Birmingham</p> <p>Global Food Cold Chain Council</p>	<p>F-Gas</p> <p>UNEP Ozone Secretariat</p> <p>UK - DEFRA</p> <p>Environmental Investigation Agency</p>	<p>Campaigns</p> <p>SEforALL #ThisisCool</p> <p>World Refrigeration Day</p> <p>EPEE #CountonCooling</p>

About the Cool Coalition

What: Global Platform connecting the cooling community to collaborate on *advocacy, knowledge exchange, and joint action* that can support countries and industry tackle growing cooling demand in a sustainable and **comprehensive** manner. The aim is to raise climate ambition in the context of the SDGs, the Kigali Amendment to the Montreal Protocol, and the Paris Climate Agreement.”

Who: 120+ partners through an official membership including countries, cities, private sector, finance and civil society

How: Delivery through the Cool Coalition secretariat and Cool Coalition working groups lead by member

Adaptation and
Resilience



Nature



Energy
Transition



Clean Road
Transport



Finance



Since its inception, Cool Coalition members have launched 9 working groups on key transformational topics for the cooling sector:

- National Cooling Action Plans
- Pathway to Net Zero
- Used Products Imports to Africa
- Private Sector Mobilization
- Sustainable Cold Chains
- Urban Cooling
- Renewable Energy Cooling
- Nature Based Solutions for Cooling
- Multilateral Development Banks Informal Dialogue on Sustainable Cooling.

The history of the CCC (formerly the Kigali Cooling Efficiency Program)



Launched in 2017 following the Kigali Amendment



Funded with the support of 17 foundations



Focus on cooling energy efficiency

About the Clean Cooling Collaborative – Highlights of Phase I Outcomes

25

Cooling policies, standards, or programs

have been proposed, adopted, or implemented in 15 countries

(ECOWAS: financing programs in Senegal and Ghana, MEPS implementation in Ghana)

9

National cooling action plans published

(ECOWAS: Ghana)

\$600M

Investment mobilized for climate-friendly cooling

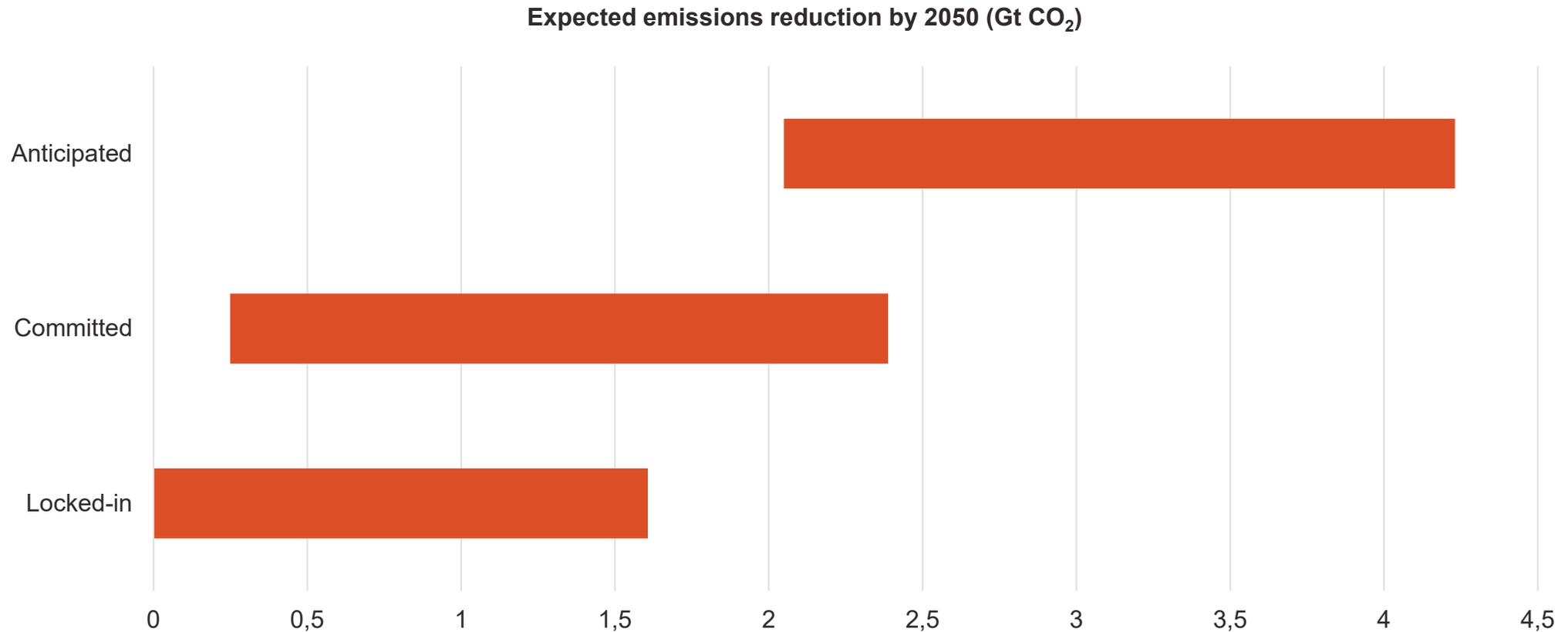
98%

Market transformation in China

As of Oct, 81 countries have committed to **action on cooling in their enhanced NDCs**.

CCC is providing technical assistance to 10 countries in support of their leadership on cooling action:
- **Burkina Faso**, Cambodia, Chile, Ethiopia, Jordan, Morocco, **Nigeria**, Pakistan, Tunisia, Vietnam.

IEA: K-CEP's work, once fully implemented, will secure 4.2 Gt of emissions reductions, \$960 Bn in cost savings by 2050



About Cooling for All



Over 1 billion people are at high risk due to lack of access to cooling, and a further 2.2 billion lack access to clean and efficient cooling. In a warming world, **access to sustainable cooling is not a luxury.**

Cooling for All advocates for greater action on sustainable cooling and develops evidence, partnerships, policy and tools to make that action possible, including through

- Knowledge and data, including the *Chilling Prospects* series
- Support to governments and development partners to mobilize finance and expand access to cooling with policy and technical assistance
- Events and webinars, in partnership with the Cool Coalition
 - Become a supporter of the **This Is Cool campaign** and encourage organizations and communities to cool more sustainably by spreading the word about sustainable cooling solutions.
 - Visit thisiscool.seforall.org



Finance



Philanthropy played a key role in expanding access to grant-based financing between 2017-2021, including through the Kigali Cooling Efficiency Program (now Clean Cooling Collaborative)

Public finance has begun to flow including the approval of the GCF Cooling Facility led by the World Bank for 9 LDCs

Additional work includes:

- **The GCF** offers readiness funds annually for project preparation activities, including National Cooling Action Plans
- **Development finance institutions** are increasingly assessing cooling opportunities, including alignment with health, agriculture and energy access interventions
- **The Cool Coalition** is convening work between DFIs to provide guidance to countries, and link support for NCAP development to implementation readiness and broader climate finance



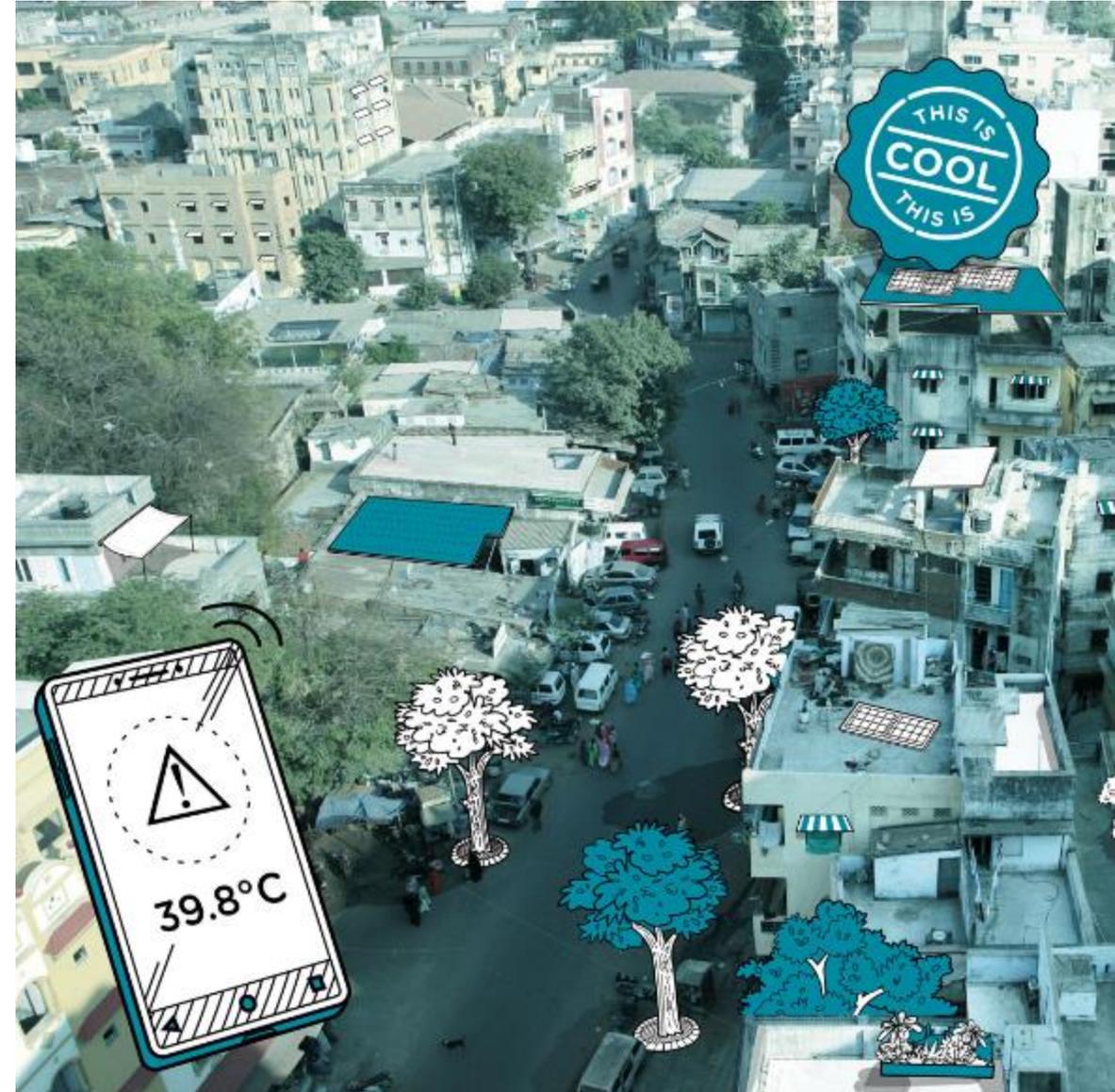


UN Environment Programme, UN Development Programme, the World Bank Group and CLASP, among others, provide technical assistance through a number of different programs. Common offers include:

- **National Cooling Plans** based on the model National Cooling Action Plan framework developed by the Cool Coalition
- **Minimum Energy Performance Standards and Labels**, for air conditioners, refrigerators, fans, and commercial refrigeration
- **Innovative financial mechanisms** drawing on PAYGO, servitization and sustainable procurement approaches
- **Market monitoring**, enforcement, collection and recycling
- **Integration with health, agriculture and energy access priorities** where projects are ongoing
- Awareness campaigns, anti-dumping programs, and more..

Data gaps are a key barrier that collaborative initiatives are working to address:

- **SEforALL Chilling Prospects** including data on access to cooling gaps and populations at risk
- **UN Environment Programme** Country Savings Assessments, as well as policy synthesis and greenhouse gas emissions data
- **GIZ Green Cooling Initiative** on appliance ownership levels
- **Global Food Cold Chain Council** data needs framework for agricultural cold chains
- **Climate and Clean Air Coalition** and **Cool Coalition** on current initiatives, gaps and priority opportunities





New business models and service-based approaches are being tested and implemented by partners:

- **Cooling as a Service** through Basel Agency for Sustainable Energy is a servitization approach to cooling appliance ownership
- **Bulk procurement approaches** in India and Morocco are being utilized to leap-frog to high efficiency air conditioning
- **The Africa Centre for Sustainable Cooling and Cold Chain** aims to promote uptake of sustainable cooling solutions through education and formal training

Tools and Resources

Knowledge

- World Bank: Urban Cooling Primer
- World Bank: Cold Road to Paris
- Cool Coalition Global Status of Food Cold-Chain Report (UNEP Cool Coalition, CCAC, OzonAction, FAO, Ozone Secretariat)
- Cool Coalition, UNEP, RMI, GCOM, MI: Beat the Heat Handbook for Cities
- SEforALL: Chilling Prospects Series
- IEA: Future of Cooling
- Oxford Martin School Future of Cooling Program
- Green Cooling Initiative Publications

Tools and Models

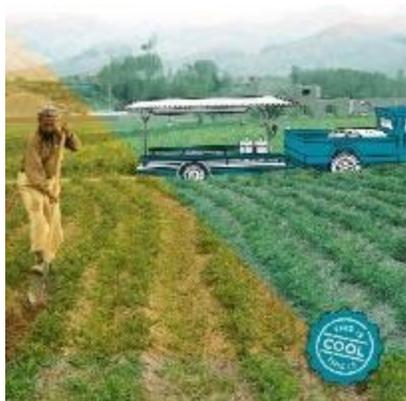
- Cool Coalition Model NCAP Framework
- United for Efficiency Model Regulations
- United for Efficiency Country Savings Assessments
- Cooling for All Needs Assessment & Solutions Tool
- CLASP Policy Resources Centre

Additional Resources

- #ThisIsCool Campaign
- “Cool Toolkit” event recordings and library of resources
www.coolcoalition.org



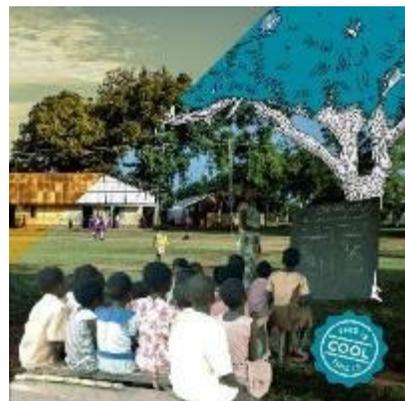
COLLABORATE & TELL A STORY THROUGH #ThisIsCool



PORTABLE SHADE
Productivity



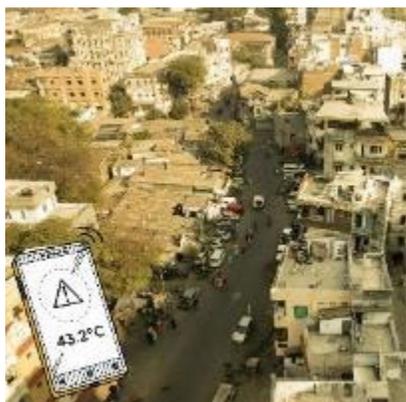
PASSIVE COOLING
Transition



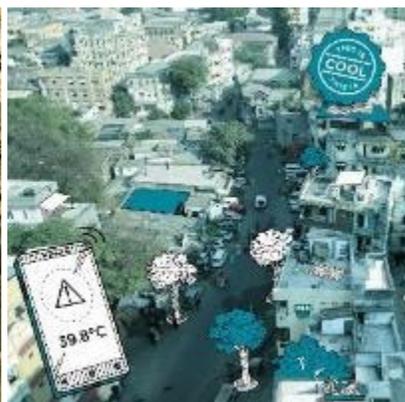
COOL SCHOOLS
Heat stress



TRANSPORTATION
Food security



URBAN PLANNING
Heat action plans



HEALTH SECURITY
Final mile



Join the Cool Coalition

Commit to take action..

"We commit to act boldly to get the best cooling solutions adopted at scale and within a meaningful timeframe. To that end, we will advocate, collaborate, act."

Amplify your message

Participate in working groups

Connect with partners and experts from finance, industry and government

Access tools, resources and trainings

You can find the endorsement form at www.coolcoalition.org/get-involved/how-to-join/

Or reach out directly to the Cool Coalition Secretariat

Submit an Energy Compact

Provide details on your plans and support needs to [UN-Energy](#).

Voluntary commitments with the specific actions to advance progress on SDG7 and net-zero emissions.

UN-Energy will support the development, mobilization and monitoring of Energy Compacts throughout the entire cycle.

The Cool Coalition compact for example commits to:

Supporting Rwanda, India, Cambodia, Indonesia, and Colombia on measures that expand access to efficient and climate-friendly cooling

Supporting Nigeria, Cambodia, India, and Vietnam on measures that expand cooling solutions powered by renewable energy

Partner and Communicate

Reach out to the [Cool Coalition](#), [SEforALL](#), or the [Clean Cooling Collaborative](#) for help identifying the right partners for your goals.

Work with collaborative partners on plans to action your priorities.

Learn about technical assistance, training, and other capacity building opportunities.

Understand how sustainable cooling can support ongoing initiatives

Share stories of success through the [#ThisIsCool](#) communications campaign

Discussion:

What opportunities are there to collaborate on cooling in your country?

Questions to consider:

Do you see opportunity to collaborate with the Cool Coalition?

Before this training, did you know about the #ThisIsCool campaign?

Cooling for All: Access to cooling is not a luxury, it is a matter of equity. How many people are at high and medium risk due to a lack of access to clean and efficient cooling globally?

- A. 3.5 billion people
- B. 2.3 billion people
- C. 1.1 billion people