

16:30 – 18:25

14 June 2025

Session 4

NDCs Cooling and NCAPs Guidelines

Presentation

NDC Cooling Guide Structure



Ben Hartley
Programme Manager, Cooling for All
SEforALL

Why are adaptation targets important?



Food, Nutrition and Agriculture

Cold chains for transportation and storage of perishable, nutritious crops to prevent food waste.



Health Services

Cold chains for transportation and storage of vaccines and blood products. Space cooling of health facilities to support better overall care and patient recovery.



Human Comfort and Safety

Cooling of homes and workplaces for health and wellbeing, leading to improved economic and social outcomes.

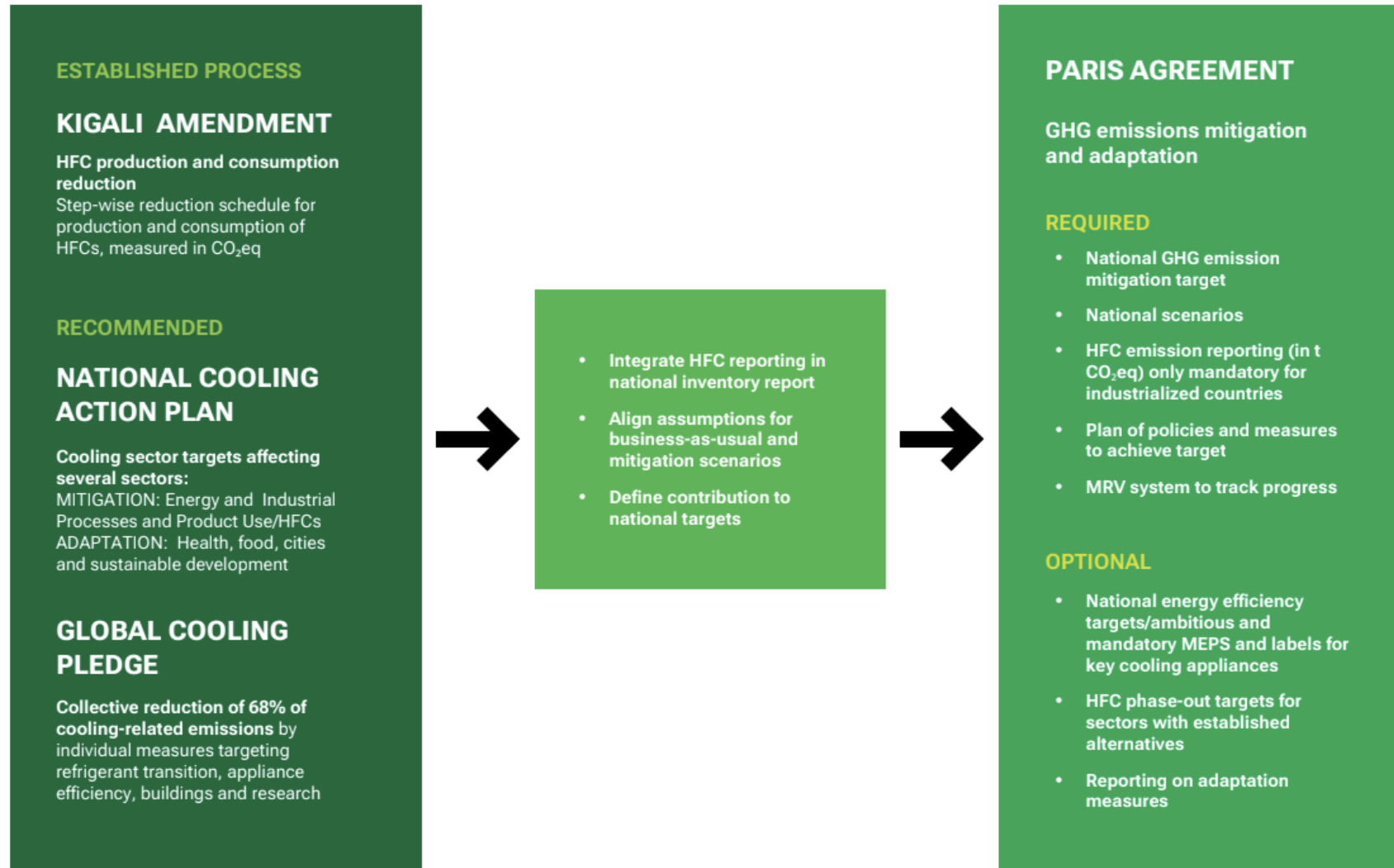


Cities

Reducing the urban heat island effect (UHIE), which can cause temperatures to be 1°C to 4°C higher than surrounding areas.

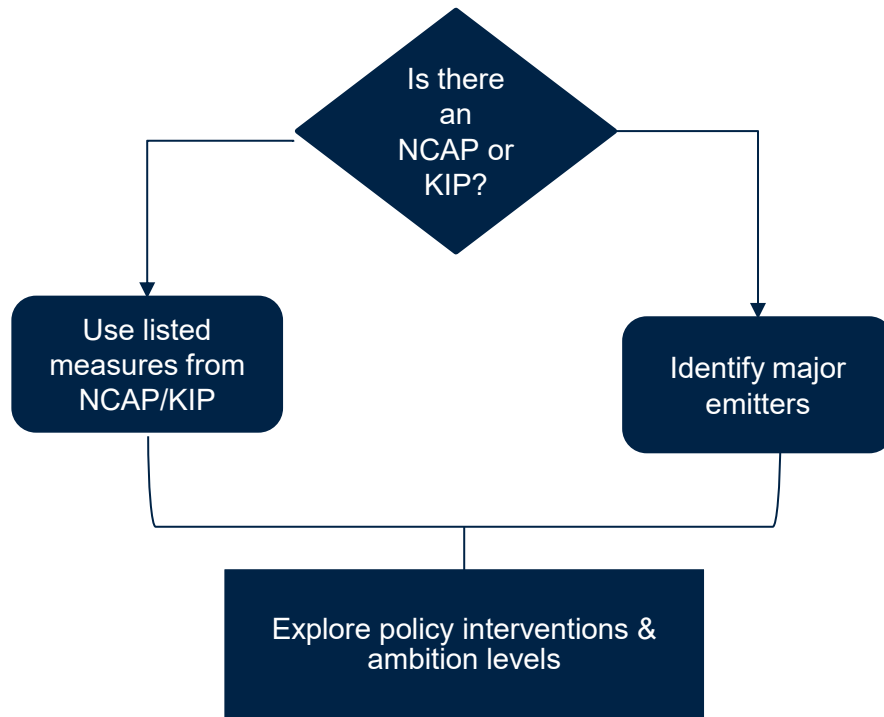


Translate cooling targets into NDCs Commitments

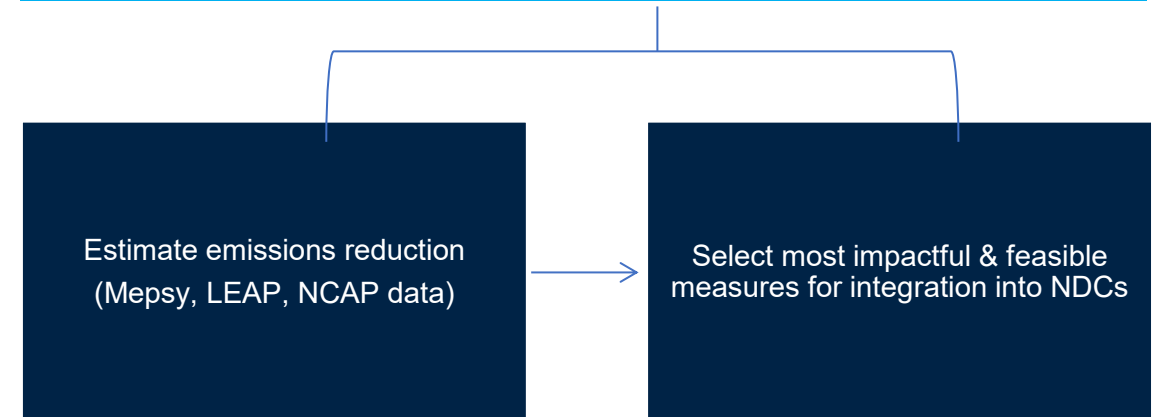


Stage 3: Target Formulation

STEP 3: ANALYZING OPTIONS



STEP 4: SELECTING MEASURES






Part 2: Adaptation Measures into NDCs

Starting with key **GUIDING QUESTIONS** can help surface the suitable leverage points and priorities for the country.

- How well understood is the lack of access to cooling in your country? What data gaps exist?
- What are the most vulnerable sectors in your country that would benefit from cooling adaptation measures?
- How can your country balance the need for advancing cooling access for *tomorrow* with the urgency of providing adaptation solutions *today*?
- What resources, networks and innovative models can be leveraged to achieve the necessary speed and scale for advancing adaptation solutions where they are needed the most: the poorest of the poor

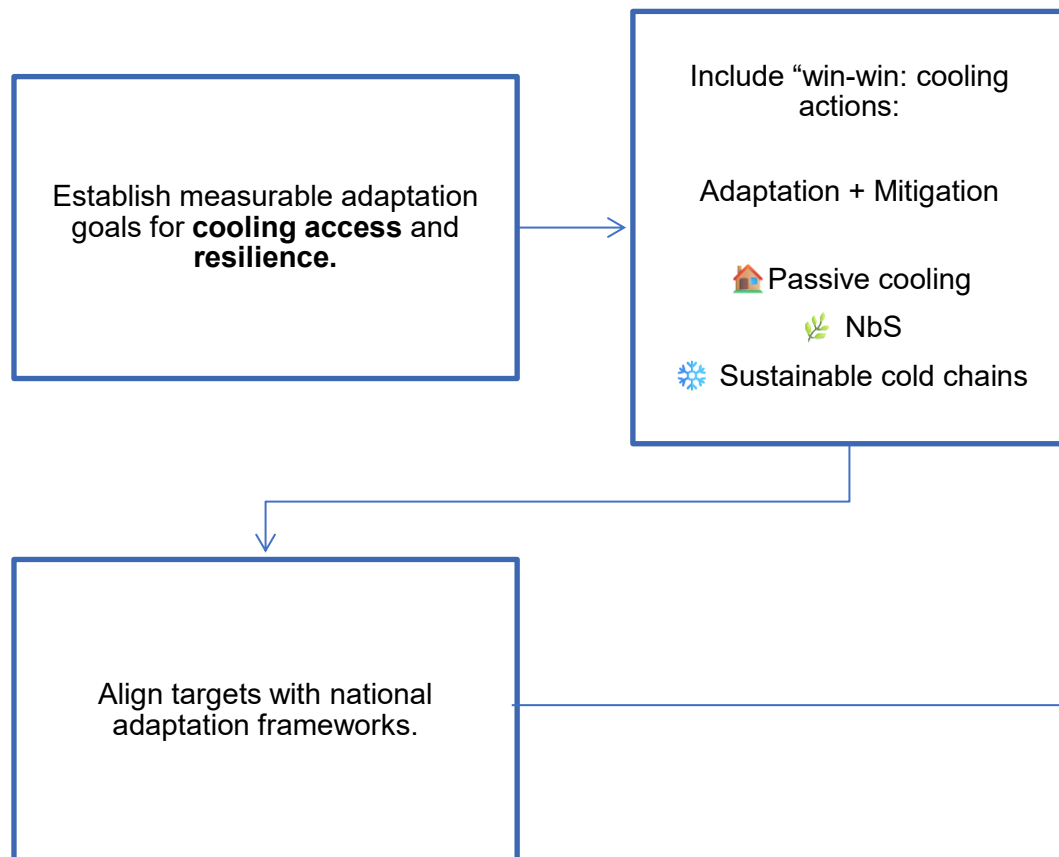
Stage 1: Baseline definition

STEP 2: DEFINING THE BASELINE

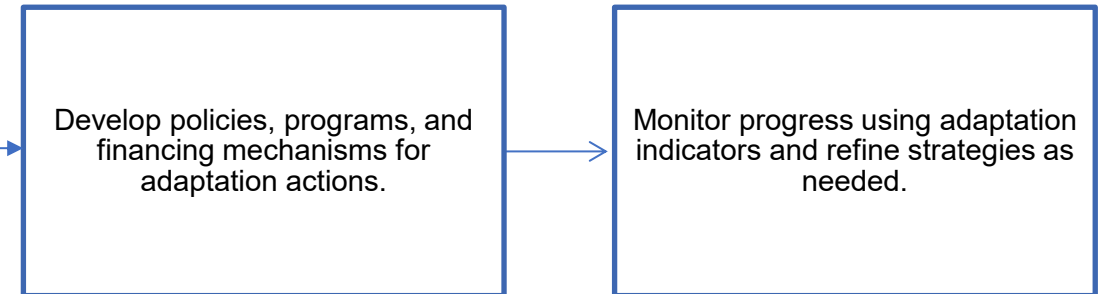
| Adaptation baseline | Population Group/Cooling needs |  Comfort & Safety |  Food & Nutrition |  Health & Care |
|---------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| | Rural Poor (high risk) | No fans or insulation | No cold chains for crops or livestock | No cold chains for vaccines or medicines |
| | Urban Poor (high risk) | Poor housing, intermittent power | Inadequate food preservation infrastructure | Poorly equipped and built urban clinics |
| | Lower-Middle Income (medium risk) | Low-cost, inefficient cooling devices | Variable quality and efficiency of cold chain access | Variable quality and efficiency of cold chain access |
| | | | | |

Stage 2: Target Formulation

STEP 3: ANALYZING OPTIONS



STEP 4: SELECTING MEASURES



Panel Discussion

Integrating Cooling into NDCs: Assessing Readiness and Next Steps

Moderator



Leslie Smith

Director, Ministry of Climate
Resilience, the Environment
and Renewable Energy
Grenada



Uboho Ekpo

Principal Scientific Officer,
National Council on Climate
Change Secretariat
Nigeria



Le Ngoc Tuan

Deputy Director General
Department of Climate Change
Ministry of Agriculture and
Environment
Vietnam



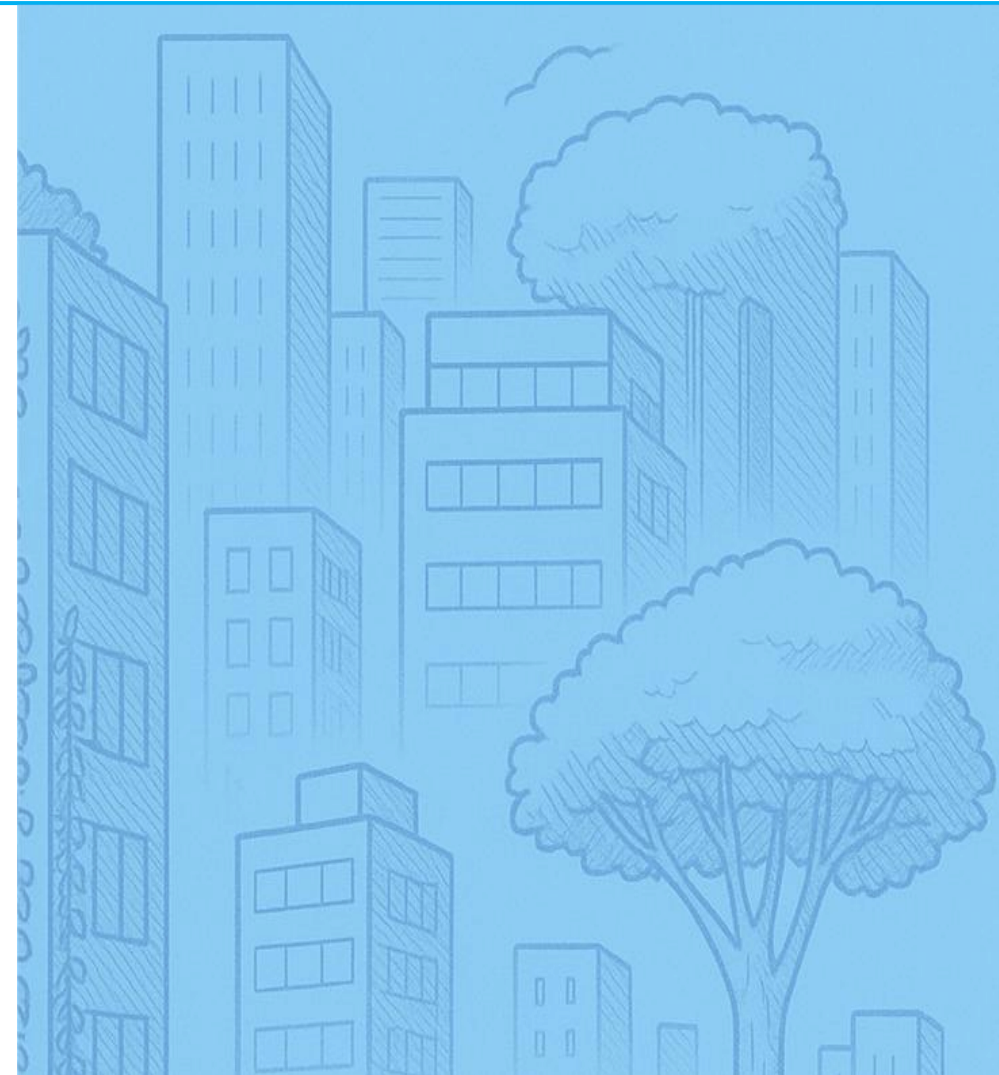
Amr Seleem

Country Engagement &
Climate Policy Lead,
Cool Coalition, UNEP

Strategic Support We Provide

The NCAP working group:

- Co-chaired by UNDP and Cool Up, with members from international organizations, financial institutions, development agencies, and CSOs.
- Facilitate countries in **developing and implementing holistic NCAPs** using the NCAP Methodology.
- Promote **alignment** of NCAPs **with broader climate and energy frameworks**, including KIPs, NDCs, energy efficiency strategies, and net-zero plans.
- Foster **capacity-building, knowledge-exchange, and technical guidance** for stakeholders involved in cooling policy.
- Advance access to sustainable cooling by **integrating unmet cooling needs into national planning**.
- Facilitate **matchmaking** and guidance on resource opportunities e.g. MDBs, partners, etc.



Case Study

Cambodia - from piloting the methodology to lessons learned from NCAP implementation



H.E. Pak Sokharavuth
Under Secretary of State
Ministry of Environment, Cambodia

Cambodia's Leadership on Passive Cooling

Since early 2023, Cambodia has been implementing its NCAP through the project '*Passive Cooling Strategies for Sustainable Development*,' aiming to integrate passive cooling into national policies and practices in collaboration with ESCAP & UNEP within the Cool Coalition framework

Outputs:

1. Policy recommendations incorporating PCS in building energy regulations

- Typology technical analysis + Compendium of Passive Cooling Strategies (PCS) + Abridged Guidebook on PCS + Guidelines for PCS (under review)

2. Demonstration of PCS applications in a pilot building

- Design Charrette in Borey Chankiri (two days)
- Local data building with baseline & strategies, on site monitoring (1 year)

3. Awareness and capacity building for large-scale replication

- Launch of a Community of Practice, provision of a series of workshops and technical trainings, including training of trainers
- Regional knowledge exchange with Governments & Technical peers

4. Support for integration of NCAP to Cambodia's CCSP 2024-2033 and the inclusion of GHG emission reductions from PCS in the target for Cambodia's Nationally Determined Contributions (NDC 3.0).



ក្រសួងបរិស្ថាន
MINISTRY OF ENVIRONMENT

NCAP Kick-Off in Morocco

- The kick-off meeting for Morocco's NCAP was successfully launched on **May 27, 2025, in Rabat, Morocco.**
- The event convened key stakeholders, including representatives from Moroccan Ministries, the private sector, agencies, sustainable development organizations, and national experts, to mark the pivotal start of the NCAP's development.
- Opening speeches (UNEP Cool Coalition, Moroccan ministries, and CCAC) emphasized the global importance of NCAPs, Morocco's commitment to environmental sustainability, and the integration of the plan within national energy and climate goals, followed by an overview of the NCAP development process and interactive discussions.
- **Objectives of the meeting:**
 - i. to present the different components of the project,
 - ii. to lay the foundations for a concrete action plan for sustainable cooling,
 - iii. to share the expectations and priorities of the various stakeholders,
 - iv. to initiate a participatory process.



Morocco NCAP Inter-Ministerial Meeting

- The high-level meeting of the National Steering Committee for the NCAP project was held on **May 28, 2025**, at the Ministry of Energy Transition and Sustainable Development in **Rabat, Morocco**.
- Attended by key national stakeholders and consultant teams, the primary objectives were to establish a clear governance framework, define roles and responsibilities for committee members, and outline robust coordination mechanisms for the NCAP.
- Discussions focused on the Steering Committee's mandate, stakeholder identification and composition, clear role definitions for members, and the coordination mechanisms necessary for effective project oversight and seamless collaboration among all involved entities.



Morocco NCAP Consultation Mission

On **May 29, 2025**, a consultation mission took place in **Casablanca, Morocco**, which included three visits focused on collecting crucial data for the National Cooling Action Plan (NCAP).

1. **1st visit to Moroccan Association of Refrigeration Professionals (AMPF):** A key organization promoting sustainable practices, collaborating on the Refrigair Expo, and actively supporting NCAP development through a focus on energy efficiency, climate-friendly refrigerants, and training.
2. **2nd visit to Ventec Maroc:** A company with a significant history in Morocco's cooling sector since 1949. Initially focused on industrial ventilation, then, Ventec evolved into a major HVAC presence, representing Carrier and demonstrating expertise in advanced cooling systems like evaporative cooling.
3. **3rd visit to FROIDEL S.A.:** A leading Moroccan company with over 44 years of experience in refrigeration and air conditioning. Recognized for its innovative and energy-efficient solutions, particularly in decarbonization, serving diverse sectors and manufacturing its own brand alongside international representations.



AMPF Visit



Ventec Maroc Visit



Froidel S.A. Visit

Session Wrap-up

Sustainable Cooling in focus: Priorities for the road ahead



Mr. Amr Seleem

Country Engagement & Policy Lead

Cool Coalition – UN Environment Programme



Thank you!

Global Cooling Pledge Signatories Focal Points Meeting

June 13 - 14 2025 | Bonn, Germany



Global Cooling Pledge Signatories Focal Points Meeting

June 13 - 14 2025 | Bonn, Germany

Welcome and Introduction

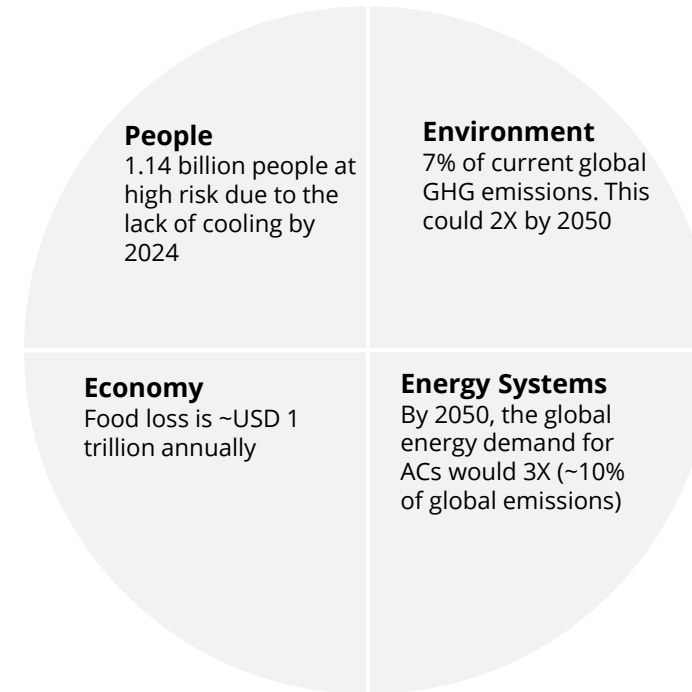
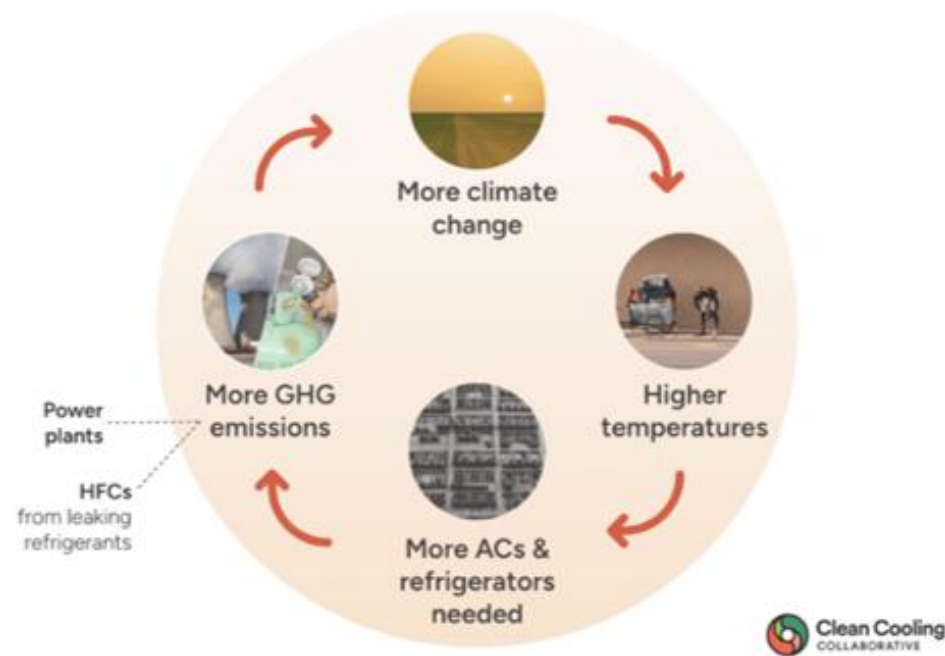
Cooling in NDCs and NCAP methodology



Amr Seleem
**Country Engagement
and Climate Policy Lead**
Cool Coalition
Secretariat, UNEP

Cooling and Climate: A Vicious Cycle

The Vicious Cooling Cycle



Breaking this cycle with sustainable cooling is urgent.

Cooling and SDGs: A Development Imperative



Sustainable cooling enables **economic growth** for those in poverty



Cooling **reduces food waste** and **increases nutritional value of food** that reaches people



Cooling **reduces heat stress** and improves sleep, increasing physical and mental well-being



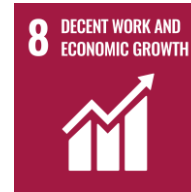
Cool schools **improve learning outcomes** and reduce fatigue



Cool cities, buildings and homes support **equal opportunity for women and men**



Sustainable cooling **reduces energy use** and peak demand, while enabling **more reliable energy access**



Cooling **increases worker productivity** and increases profits



Cool cities, cold chains and public institutions **reduce inequalities** based on gender, wealth or location



Cool cities **support urban populations** by improving their health and productivity



Cooling reduces **food waste, cuts emissions**, and supports **cleaner production**.



Sustainable cooling **emits no or minimal** energy-related and refrigerant **emissions**

Why are mitigation targets important?

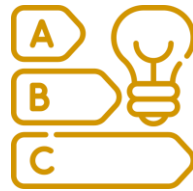
Global



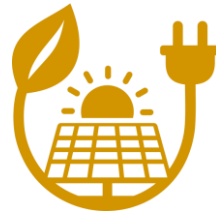
Phase down
of climate-
warming
refrigerants



Passive
cooling



Energy
efficiency



Grid
decarboniza-
tion

- Implementing 3 key actions – passive cooling, best practices could avoid up to **60% of projected cooling-related** greenhouse gas emissions
- Equivalent to **3.8 billion tons of CO₂eq emissions** – 10% of project 2050 emissions

Examples

| | |
|----------------|---------------------------------------------------------------------------|
| Indonesia | NCAP aims to avoid 128 MtCO ₂ e by 2030 |
| India | NCAP aims to reduce 118 MtCO ₂ e by 2040 |
| European Union | F-gas regulations aim to cut emissions by 310 MtCO ₂ e by 2050 |
| Kenya | NCAP aims to cut 23 MtCO ₂ e by 2050 |

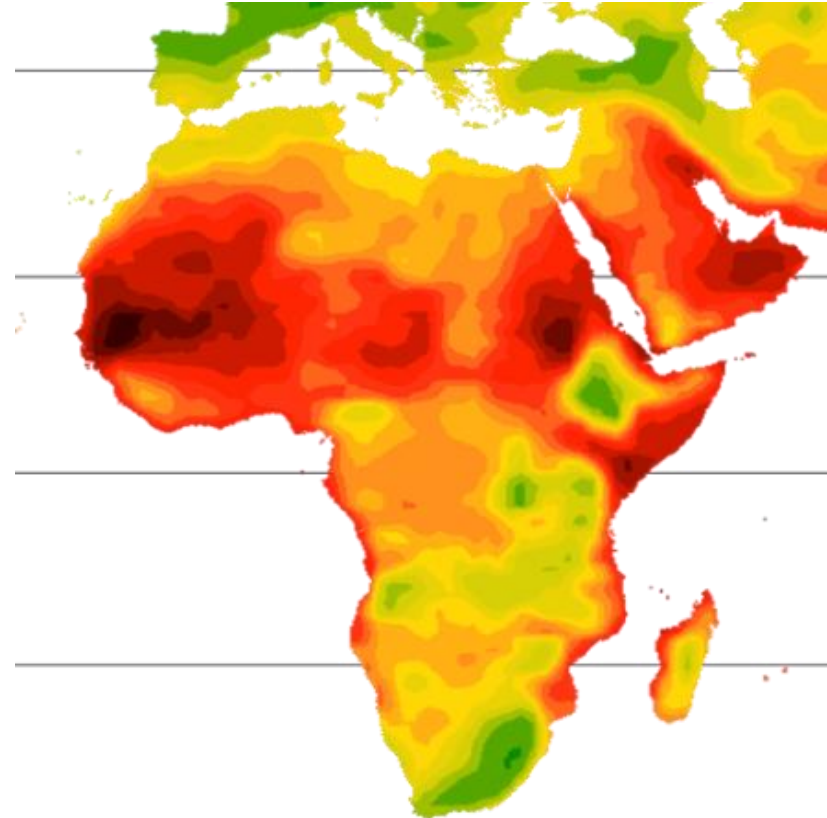
Who is at risk due to the lack of cooling?

In a warming world, access to cooling is not a luxury. It is an issue of equity, necessary to adapt and thrive.

1.14 bn

People at high risk for the lack of cooling

Do you know the cooling access gap
in your country?

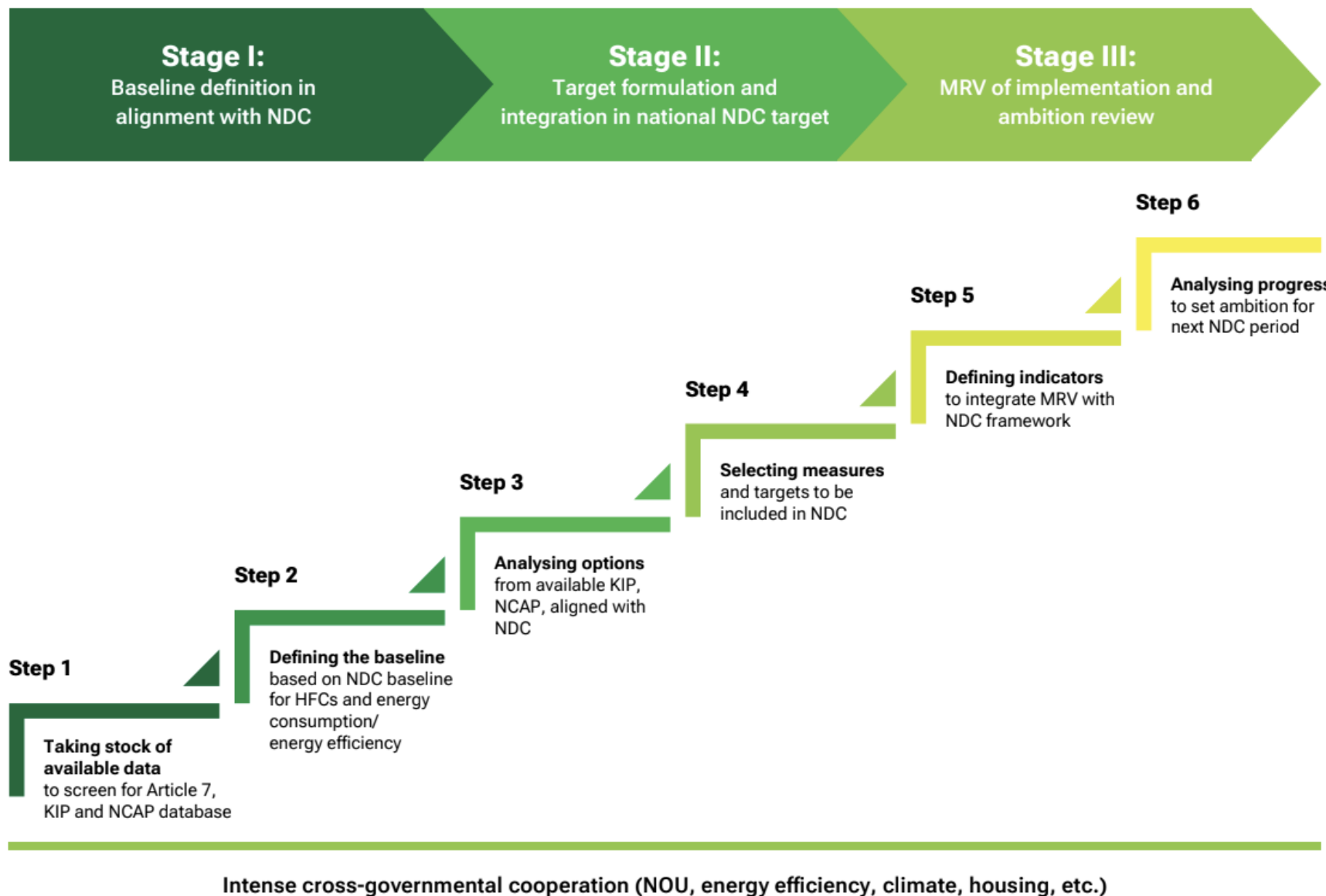


Part 1: Mitigation Measures into NDCs

The cooling sector is multi-dimensional. Starting with key guiding questions can help surface the suitable leverage points and priorities for the country.

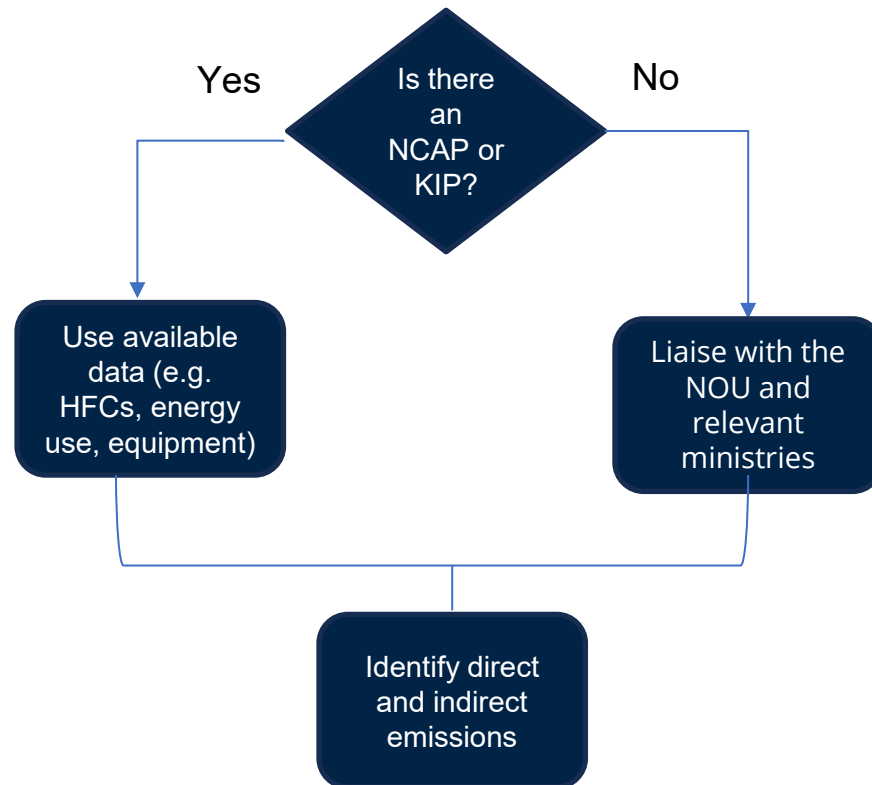
- **What are the unique drivers and/or needs in your country? For example:**
 - UAE: Driven by the need to reduce building sector energy consumption and emissions
 - Nigeria: Driven by need for adaptation to rising temperatures
 - Grenada: Bold national vision (world's first HFC-free island nation)
- **How can your country balance the need for increased cooling access with emission reduction goals?**
- **What existing governance structures could be leveraged to integrate cooling into your NDC?**
- **What data gaps exist in your country regarding cooling demand and access?**

Methodology Guide for Mitigation



Stage 1: Baseline definition (1/3)

STEP 1: TAKING STOCK OF DATA



- KIP focuses on reducing HFC emissions in line with the Kigali Amendment
- NCAP addresses both direct (HFCs) and indirect (energy use) emissions and includes broader goals like equitable access to cooling.

Stage 1: Baseline definition (2/3)

STEP 1: BASELINE DEFINITION (DIRECT)

Emissions from HFCs

| NCAP data is not available | NCAP data is available |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Use Article 7 data to report on HFC emissions | Ensure that NCAP assumptions are aligned with national scenario assumptions |
| Include KIP targets in NDC | Ensure NCAP data is updated regularly |
| Track progress using KIP reporting | Use the same data base for NDC cooling targets |
| Work on NCAP data to have a disaggregated data set | Ensure integration of NCAP data with Hydrofluorocarbons Phase Out Management Plan (HPMP)/KIP/Article 7 data |
| Start the process again with next NDC update | Maintain MRV system to track progress based on the same data set |
| | Regularly revisit and improve data system |

KEY CONSIDERATIONS:

- **Align with national targets:** Use the same baseline year and assumptions as your NDC and GHG inventory.
- **Leverage Kigali data:** Article 7 HFC reports are a primary source for setting baselines.
- **Report non-cooling HFCs separately:** Include uses like firefighting and foams; some may count toward NDC mitigation via KIP.

Stage 1: Baseline definition (3/3)

STEP 1: BASELINE DEFINITION (INDIRECT)

Emissions from electricity use

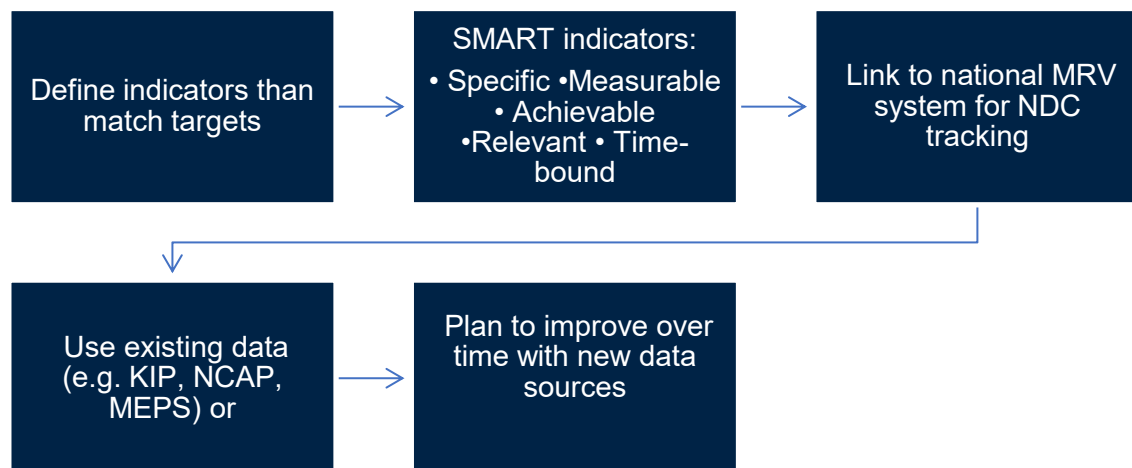
| NCAP data is not available | NCAP data is available |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Work on NCAP data to have a disaggregated data set | Ensure that NCAP assumptions are aligned with national scenario assumptions |
| Ensure that NCAP assumptions are aligned with national scenario assumptions | Ensure plausibility of modelled cooling sector's share of total energy consumption |
| Start the process again with next NDC update | Ensure NCAP data is updated regularly |
| | Use the same data base for NDC cooling targets |
| | Maintain MRV system to track progress based on the same data set |
| | Regularly revisit and improve data system |

KEY CONSIDERATIONS:

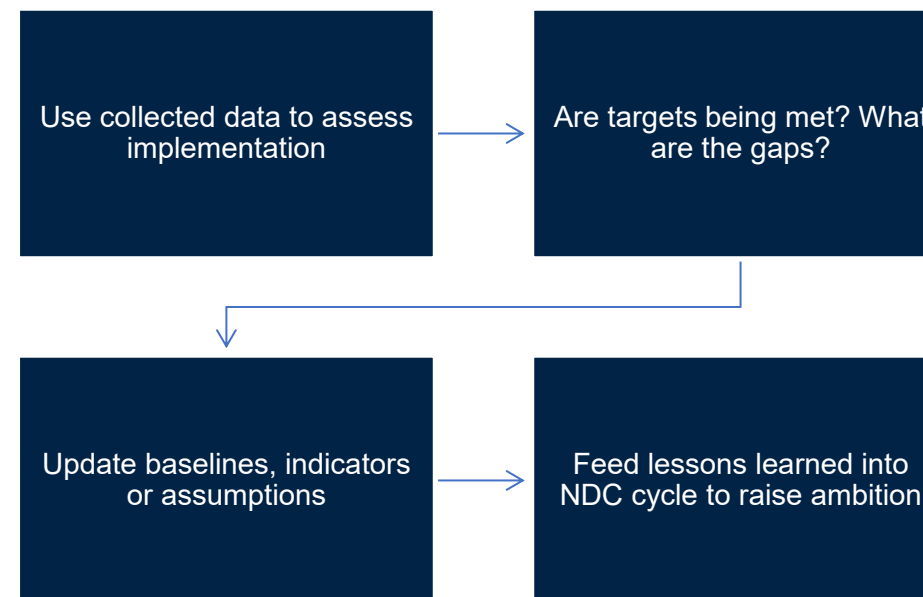
- **Ensure consistency:** Align cooling energy data with national scenarios to support accurate emissions tracking.
- **Use existing sector analysis:** Build on any available studies of energy demand (e.g. for lighting, refrigeration, AC) to improve the baseline.

Stage 3: MRV of Implementation and Ambition Review

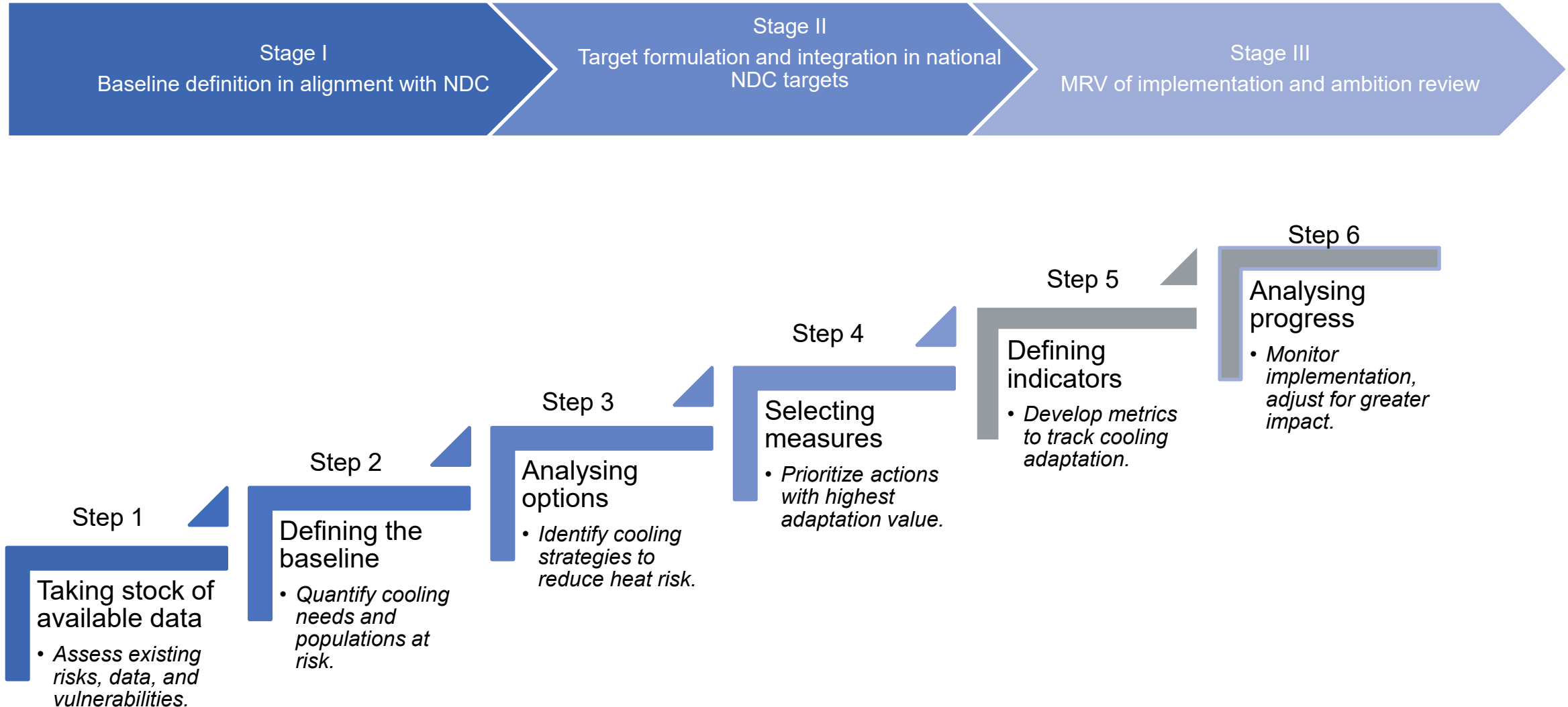
STEP 5: DEFINING INDICATORS



STEP 6: ANALYZING PROGRESS

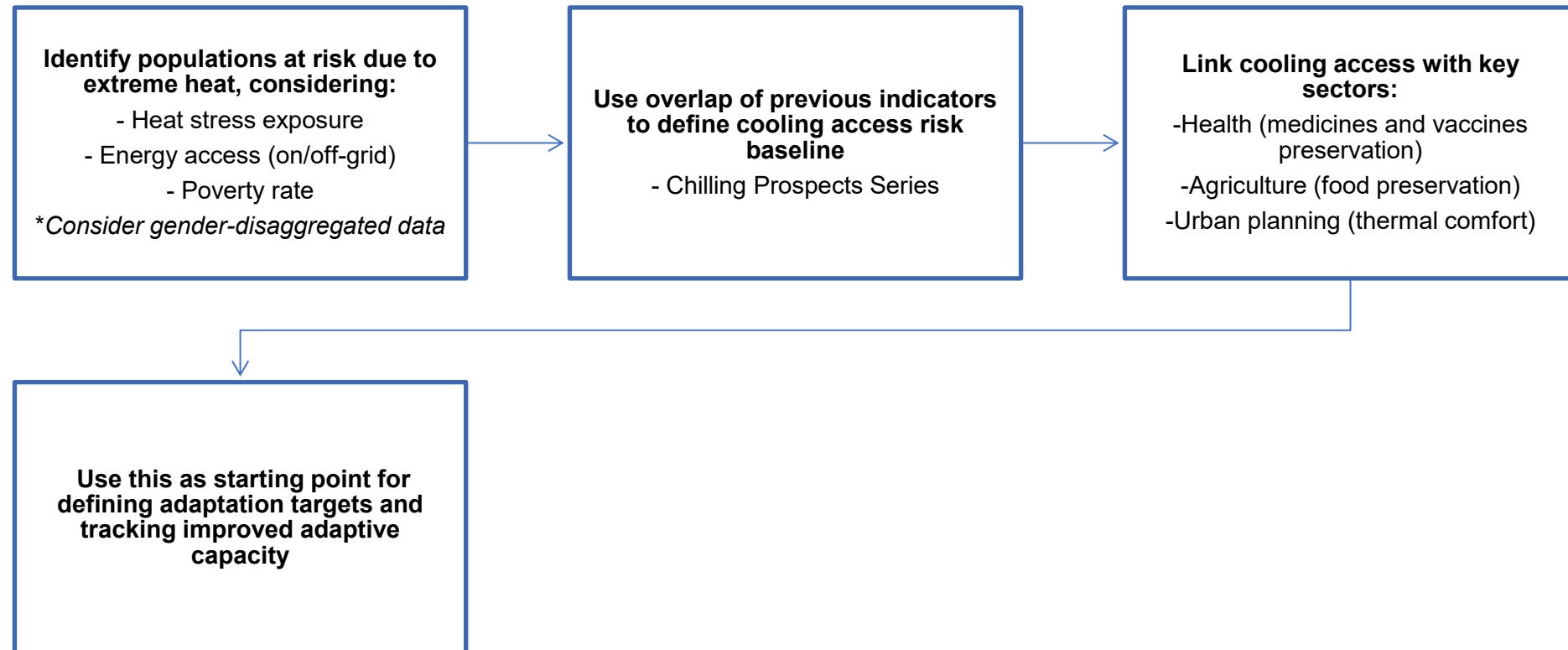


Methodology Guide for Adaptation






Stage 1: Baseline definition

STEP 1: TAKING STOCK OF DATA

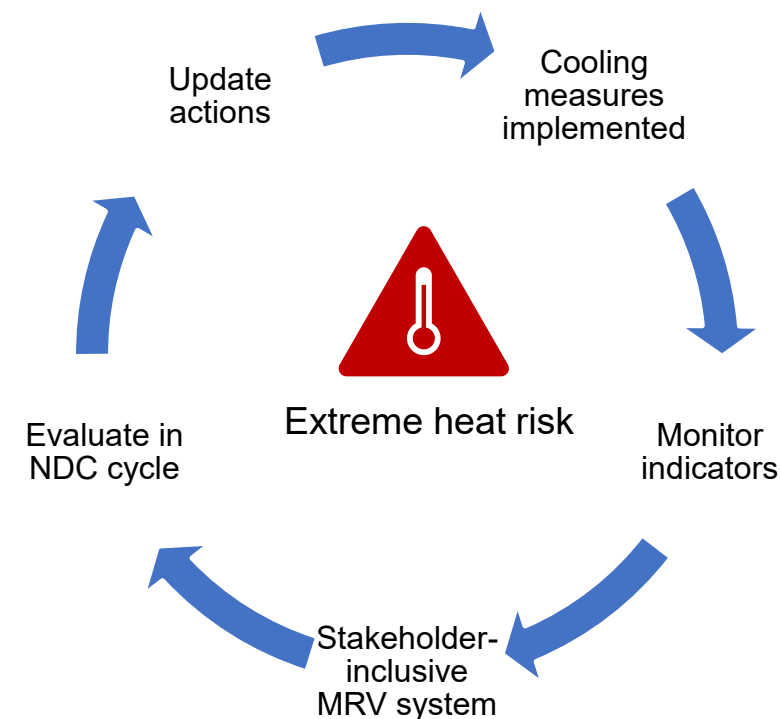


Stage 3: MRV of Implementation and Ambition Review

STEP 5: Defining Indicators

| |  |  |  |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Human Comfort and Safety | Food, Nutrition, and Agriculture | Health Services |
| Primary Need-based Indicators | <ul style="list-style-type: none"> % of buildings supported by passive cooling Heat-related illness/mortality % of households owning cooling devices | <ul style="list-style-type: none"> % of households with access to refrigeration % of food loss | <ul style="list-style-type: none"> % and # of vaccines, medicines and medical products lost annually # of health lacking cold storage facilities |
| Secondary Need-based Indicators | <ul style="list-style-type: none"> Workdays/GDP lost annually due to heat stress % of the urban population with access to public green spaces | <ul style="list-style-type: none"> Volume and proportion of food loss and waste in the value chain % of population facing undernourishment or food insecurity | <ul style="list-style-type: none"> % of the target population covered by all vaccines included in the national program |

STEP 6: Analysing progress



Prioritize gender-disaggregated indicators to track equitable access to cooling and adaptation benefits.

Are you a Global Cooling Pledge Signatory? If yes, then please reach out to the Cool Coalition Secretariat to schedule a call to arrange the NDC support to help you integrate cooling measures into the upcoming NDC submission.

Our support package for Global Cooling Pledge Signatories include:

- Support to compile and **collect** high-level cooling sub-sectoral data.
- Assess the GHG impact of sustainable cooling and develop long-term scenarios to provide recommendations for relevant NDC areas and assisting in formulating both qualitative and quantitative NDC targets for mitigation and adaptation.
- Support coordination among sectoral technical lead agencies (as per IPCC sectors, including Energy, IP, etc.)
- The NDC Cooling Working Group members can provide guidance and advisory support

Means of support are as per country requirement and resource availability can include local and international expert support to provide technical and coordination assistance.

Global Scale Up: Applying NCAP methodology and Introduction to NCAP Working Group



Mr. Amr Seleem

Country Engagement & Climate Policy Lead
Cool Coalition – UN Environment Programme

The National Cooling Action Plan Methodology



A great example of global cooperation, the development of a holistic NCAP methodology offers a standardized yet **adaptable framework that any country can apply** to guide the creation of comprehensive NCAPs.

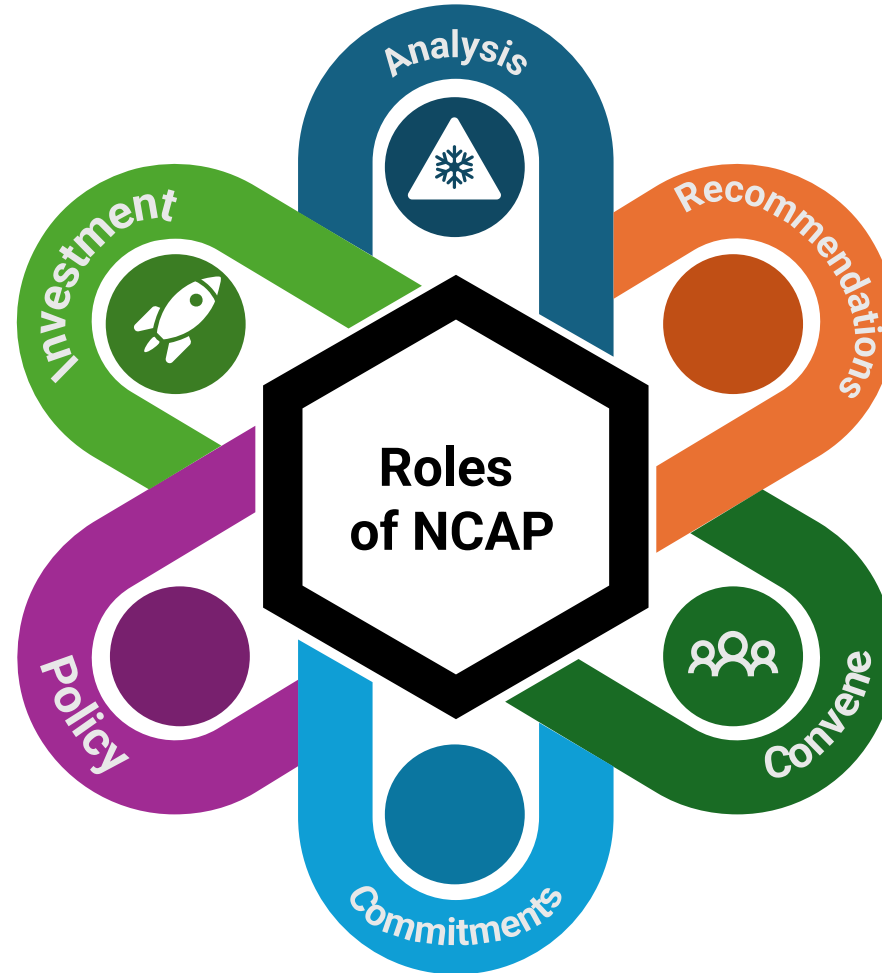
Over 10 countries are already using the methodology, supported by a strong network of international partners.

Key Role of NCAP

Establish a strong **political will** and meaningful **nationwide directives**

Drives governance and **market signals** for investment

Drive a synergistic approach **leveraging inter-linkages** with other government agendas, **aligning cooling policies** across multiple sectors and dimensions



Set **actionable targets** to improve cooling **access**, while reducing environmentally harmful impacts maximizing the socio-economic benefits

Bring together the actors required to coordinate **energy efficiency** and conservation with the **refrigerant transition** incl. HFC phase down

Evidence base for increasing **climate ambition** and to integrate cooling in NDCs and climate change policies

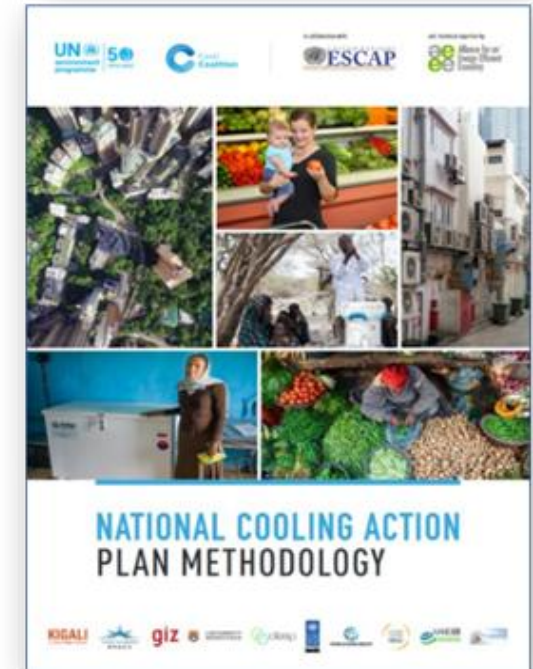
NCAP Methodology: Supporting Cooling Action at a 'National' Level

PURPOSE: A **holistic but modular** 'guidemap' for the development of NCAPs that –

- Drives **integrative action across multiple sectors** of cooling and considers **access to cooling for all**
- Sets direction and **actionable targets** for addressing access to cooling while reducing its environmentally harmful impacts & maximizing the socio-economic benefits

DESIGN: Recognizing the **diverse needs and context** across countries, the Methodology is:

- Highly **customizable** to a country's priorities and capacities
- A process that is within the reach of most countries TODAY and **can enable immediate and prioritized action** towards climate-friendly cooling
 - Not a prescriptive approach; not a modeling framework



➤ *NCAPs establish sectoral baseline and long-term policy scenarios with policy, finance and technology recommendations*

Underlying Principles of the Methodology

To support its objectives, three fundamental characteristics are present in every step of the Methodology:

1. Adaptability is critical.

- Methodology provides guidance while affording NCAP development teams high levels of discretion and flexibility to adapt to countries' unique context and needs

2. Simplification and prioritization are important.

- The methodology has to be simple and logical; enabling countries to prioritize (and/or phase out) the steps based on their resource availability/constraints
- Data collection has to be kept simple; excessive data requests can overwhelm the stakeholders and add unnecessary complexity (even resistance!)

3. Multi-stakeholder and collaborative development right from the start

- Mechanisms for effective inter-government and triple-sector engagement
- Importance of a nodal/coordinating entity that owns and drives the process



NCAP development team



Government entities



Researchers & analysts



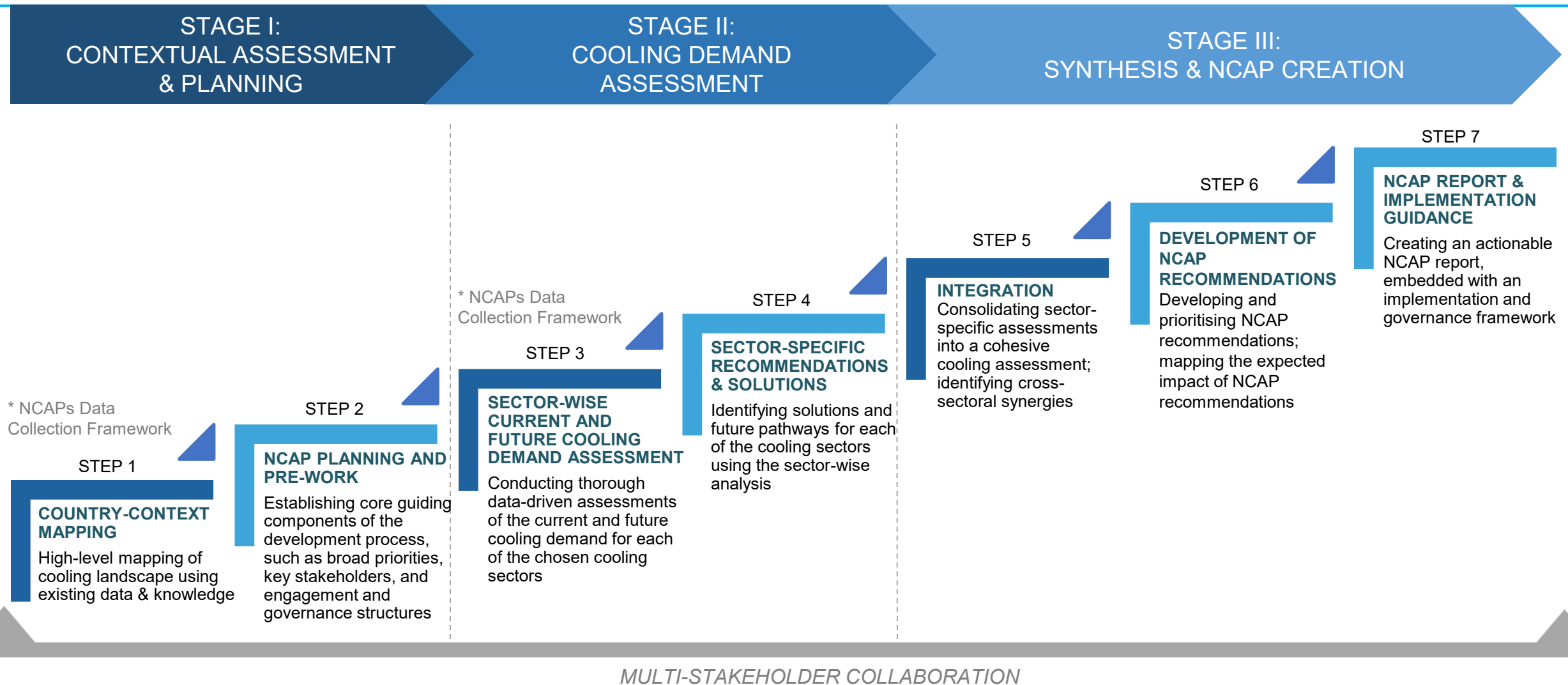
Private sector & industry

Integrated Approach to Addressing Cooling

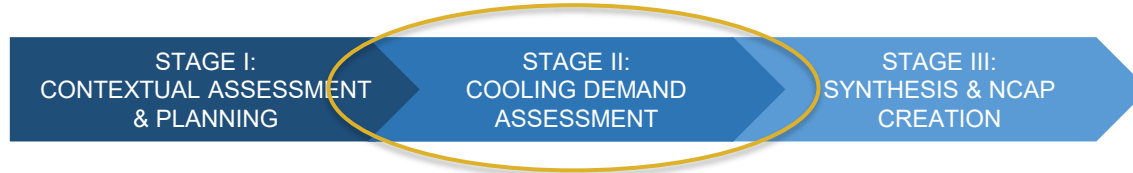
- First, **reduce** the **cooling loads** to the extent possible
 - Such as, through thermally efficient building design and construction, and passive cooling practices in case of the building sector
- Then, serve the cooling loads **efficiently** & with **low-climate impact**
 - Such as, with appropriate and efficient cooling equipment and solutions that use environment-friendly refrigerants to deliver the required amount of cooling with less energy and lower overall emissions
- And, **optimize** the cooling operations and behaviors
 - Such as, through good O&M practices, user adaptations etc. to ensure that cooling is delivered only to where and when it is needed

Right-size the demand for cooling and optimize the supply of cooling; apply both strategies in conjunction

Underlying Characteristics of the Methodology



Current and Future Cooling Demand Assessment

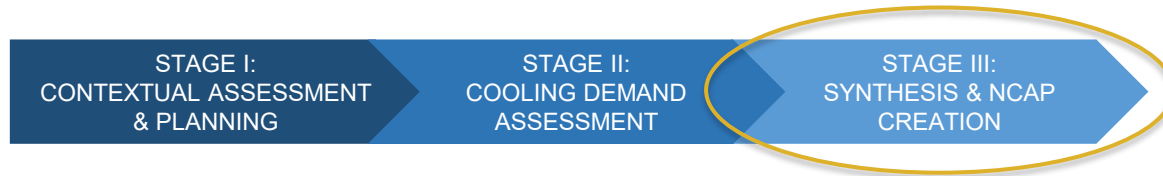


- Utilization of Data Assessment Frameworks to identify and collect key data indicators for quantifying the current and future cooling demand for each sector
- Key analytical steps:
 - Establish **Baseline**: provides a baseline for the Country's cooling demand (and impacts)
 - Determine **BAU growth**: gives an informed view onto the impacts of the future growth and the 'cost of doing nothing'
 - Determine **Intervention scenario**: gives an informed view into the impact of readily accessible interventions, and the gaps and opportunities to consider
- This analysis is pivotal for identifying and developing the NCAP recommendations and pathways to accelerate the country's transition towards low climate-impact cooling

Intended outcome:

- *Baseline cooling energy demand for each cooling sector; related emissions*
- *Energy saving potential and emission reduction potential through readily accessible interventions*
- *Identification of priority interventions & critical gaps to address*

NCAP Report and Implementation Guidance



- Key expected outcomes of the NCAP & how they support the country's climate commitments and development priorities
 - Impacts in terms of: energy savings, emissions reduction, supporting access to cooling, other socio-economic co-benefits aligned with the country's priorities and/or SDGs (**example: jobs required in the future servicing sector**)
- Embedding '**implementation guidance**' into the NCAP – important considerations:
 - **Establish an institutional framework** to monitor the progress of NCAP implementation – such as, an 'NCAP Cell' within the nodal government entity
 - **Identify a recalibration protocol** - Provision to review and update NCAP at interim milestones of 3-5 years to review implementation progress and to update NCAP using latest information
 - To the extent possible, provide a ballpark estimate of the cost of implementing the NCAP to inform the distribution of government budget

Intended outcome:

*An **actionable document** that **has the 'ownership' and a governance structure in place for guiding and monitoring future actions** (and as-needed calibration) towards sustainable cooling*

NCAP Methodology Regional Approach

➤ Why a Regional Approach?

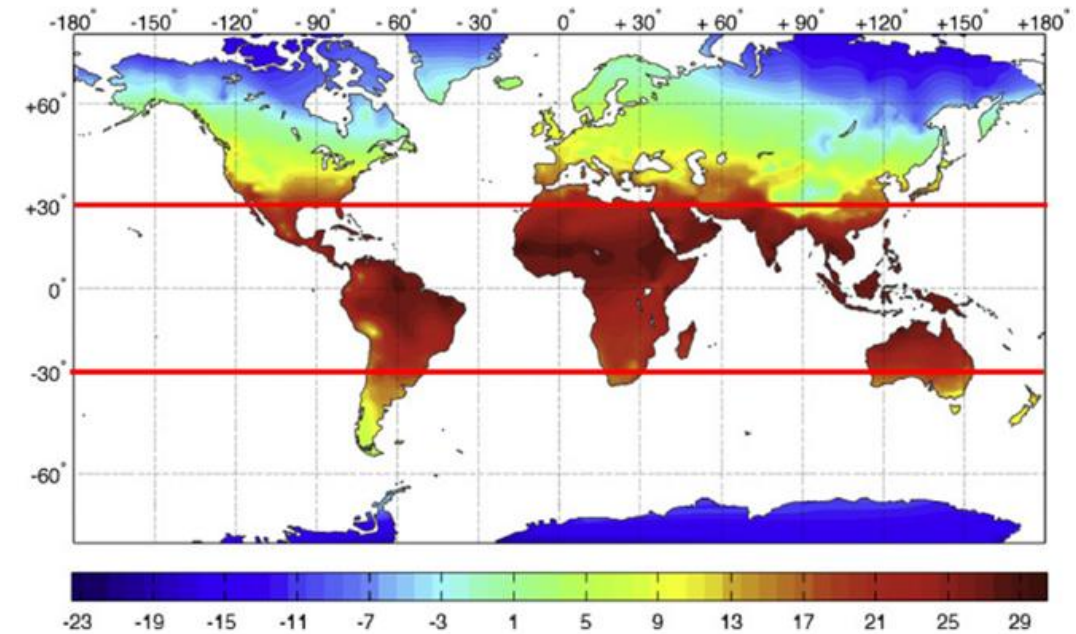
- Similar ambient temperature conditions
- Developing economies
- Potential similar interventions (passive cooling, alternative refrigerants, energy efficiency options)
- Culture perspective

➤ Regional contextualization of NCAP methodology

- UNEP and RCREEE within the Cool Coalition framework are developing a regional NCAP methodology for the MENA region jointly with SEforALL, UNDP, AfDB, and Cool Up, supported by CCAC
- The methodology is being guided by a Regional Technical Advisory Group for NCAP, constituted with MENA countries as members

➤ Building regional partnerships to accelerate NCAP adoption

- Established Regional Technical Advisory Group for NCAP for the MENA region joined by 12 member states
- Forged partnerships among UNEP, AfDB and RCREEE to support 5 NCAPs in Africa



This map is without prejudice to the status of or the sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city, or area
Source: Monjur Mourshed, 2016

Cambodia's National Cooling Action Plan

- Cambodia has been strong advocate for promoting sustainable cooling globally and being a part of 71 signatories of the **Global Cooling Pledge** at the COP 28 in 2023.
- Cambodia is the first country to adopt NCAP methodology and launched its National Cooling Action Plan with vision to tackle extreme heat and handle the cooling challenge comprehensively in an integrated manner.
- **National Cooling Action Plan (NCAP)** supports Cambodia's long-term development vision in building a sustainable, clean, green, and low-carbon society based on climate-friendly strategy and energy-efficient technology in the cooling sector.
NCAP focuses on five main areas: (1) Building Space Cooling, (2) Food Cold Chain, (3) Healthcare Cold Chain, (4) Mobile Air Conditioning, and (5) Process Cooling.





How is the government of Cambodia ensuring cross-sectoral coordination and institutional alignment in the implementation of NCAP?

Cambodia's Strategy for Cross-Sectoral Coordination in NCAP Implementation

- The Ministry of Environment (MoE) is leading the coordination with Inter-ministerial such as NCSD, MLMUPC, MME, MISTI, and strategic engagement with development partners;
- **Integration with national Policies, Strategy, and Plan**
 - ✓ Cambodia's Long-Term Strategy for Carbon Neutrality (LTS4CN)
 - ✓ Cambodia Climate Change Strategic Plan (CCCSP) 2024–2033
 - ✓ Cambodia's Nationally Determined Contributions (NDC 3.0)
- **Inter-Ministerial Consultations and Workshops:** hosted a series of inter-ministerial workshops to gather inputs, build consensus, and validate the NCAP and related guidance documents;
- **Capacity Building and Sectoral studies:** worked with ITC University, and national and international experts to conduct cross-sectoral technical studies on passive cooling strategies, at building level (building efficiency and resilience) and city level (to tackle urban heat island effect (UHIE));
- **Partnership with the Private Sector and Development partners** such as UNEP's Cool Coalition, UN-ESCAP, Energy Foundation China, GlobalABC, Climateworks Foundation, and Urbanland.
- **Monitoring and Reporting:** The MoE will play a coordinating role in tracking progress and facilitating regular inter-agency dialogue.



Case Study

Morocco's NCAP development and vision for implementation



Dr Mouna Benmabrek

Head of Gas Emissions Service - Department of Sustainable Development

Ministry of Energy Transition & Sustainable Development

National Cooling Action Plan (NCAP)

Introduction

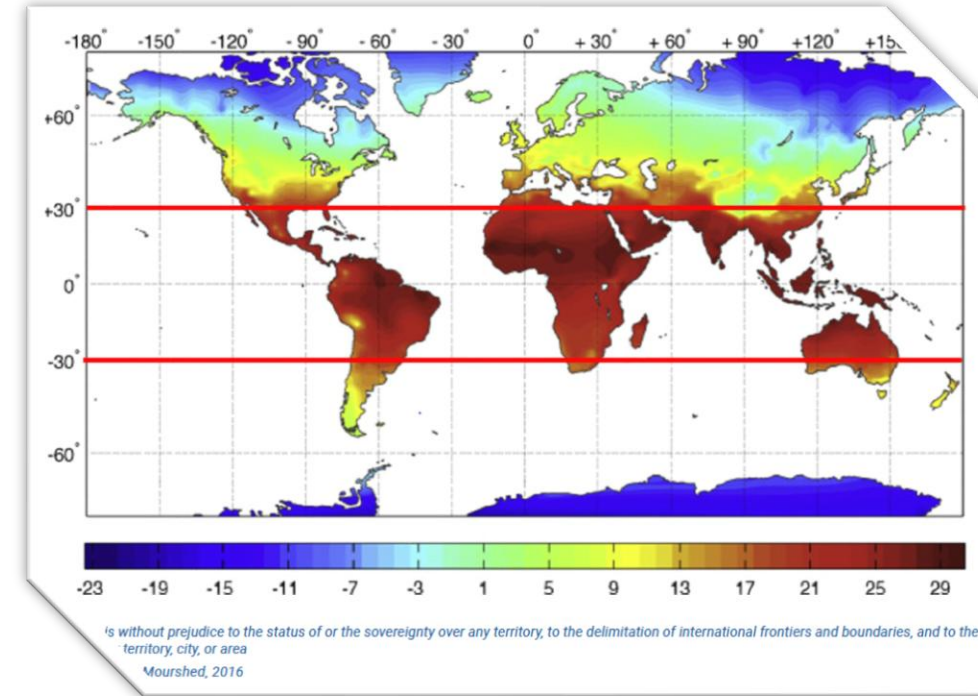
- The National Cooling Action Plan (NCAP) is a vital operational framework designed to implement sustainable cooling measures through targeted policies, programs, and technologies, aiming to address the country's growing cooling demands in a sustainable, equitable, and climate-resilient manner.
- The project is implemented by the UN Environment Programme (UNEP) Cool Coalition and the Regional Centre for Renewable Energy and Energy Efficiency (RCREEE), with the support of the Climate & Clean Air Coalition (CCAC).
- **Cool Coalition** is establishing a methodological framework that adopts global NCAP Methodology to the region's specific cooling context of the MENA region.



Why Morocco?

Morocco Context

- Growing cooling demands across multiple sectors (space, healthcare, food, industrial processes) are driven by increasing temperatures due to climate change and rapid urbanization.
- The NCAP perfectly aligns with Morocco's national priorities and its international commitments, including the Global Cooling Pledge, the Kigali Amendment, and its engagements with CCAC.
- Tackling environmental challenges and advancing a sustainable energy future, positioning the NCAP as a crucial tool to achieve these broader national development and climate objectives.
- Continuing of the implementation process for the action plan targeting short-lived climate pollutants (CH₄, HFCs, BC, O₃) that was developed in 2021 with technical and financial support from the CCAC.
- Morocco NDC: A set of energy-saving measures, including the implementation of MEPS for refrigerators and air conditioners.



Vision of Morocco NCAP

Scale up and mobilize all stakeholders—public authorities, industry, experts, civil society—to build a concrete and integrated roadmap for sustainable, socially, technologically advanced, and environmentally friendly cooling through:

- ❖ Satisfaction of cooling demand.
- ❖ Improving energy efficiency.
- ❖ Promoting eco-friendly refrigeration and air conditioning technologies.
- ❖ Training for professionals in the cooling sector: skills in system maintenance and also in the design and development of new technologies.
- ❖ Developing standards and regulations to encourage both the use of more efficient technologies and the promotion of research and development of energy-efficient technologies.



Open Discussion

Advancing NCAPs : Strategies for Implementation, Financing, and Monitoring



Moderator:

Mr. Amr Seleem

Country Engagement & Policy Lead

Cool Coalition – UN Environment Programme

Q&A Session

1. What is your status on NCAP?

a) Exploring/preparation phase b) Development phase c) Implementation phase

2. What are the challenges in developing comprehensive NCAPs (e.g. data availability, integrated assessment, inter-sectoral coordination) And what strategies can governments adopt to effectively address these obstacles?

3. How can we translate NCAPs into an effective finance mobilization tool?

4. How can governments ensure effective implementation and monitoring of NCAPs? Please share mechanisms that may have proved to be successful (in your experience).