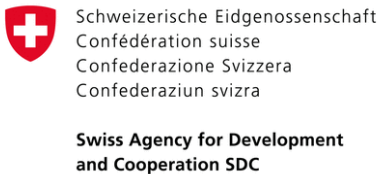




Cooling Policy and Information to enable Cooling for All

Special thanks to the Cooling for All funders:



COOLING FOR ALL - OVERVIEW

- THIS IS COOL – SUSTAINABLE COOLING SOLUTIONS CAMPAIGN
- CHILLING PROSPECTS – TRACKING COOLING FOR ALL
- COOLING FOR ALL NEEDS & SOLUTIONS ASSESSMENT
- NATIONAL COOLING ACTION PLANS

#ThisIsCool

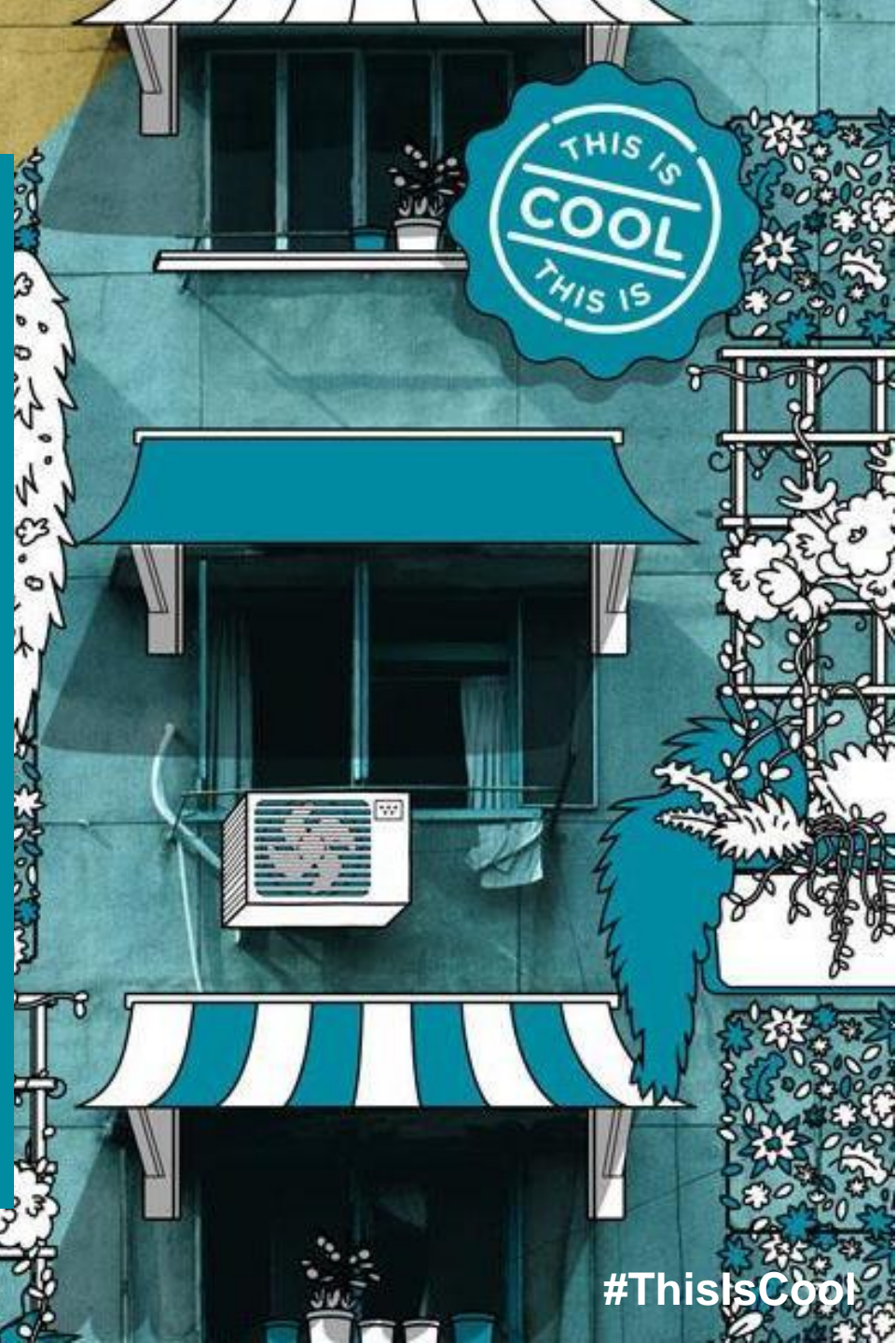
CAMPAIGN

Over 1 billion people lack access to sustainable cooling and a further 2.2 billion have inefficient cooling. In a warming world, access to sustainable cooling is not a luxury. It is an issue of equity and a service that must be delivered to everyone.

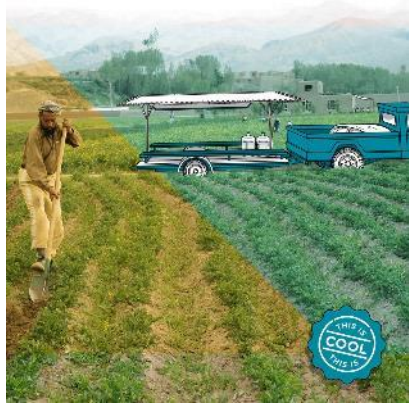
This Is Cool is a campaign to show what can be done across the world to make sustainable cooling a reality.

thisiscool.seforall.org

#ThisIsCool



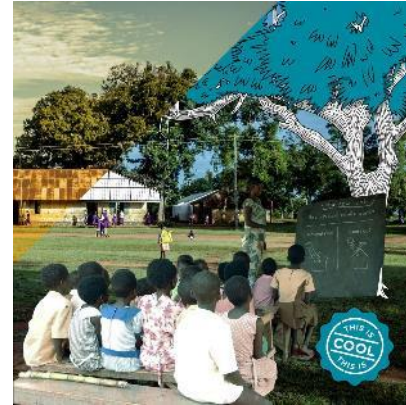
IMAGES TELL THE STORY



PORTABLE SHADE
Productivity



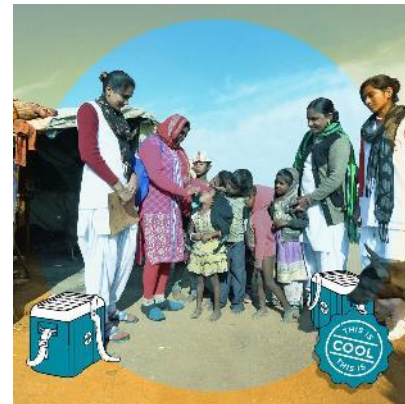
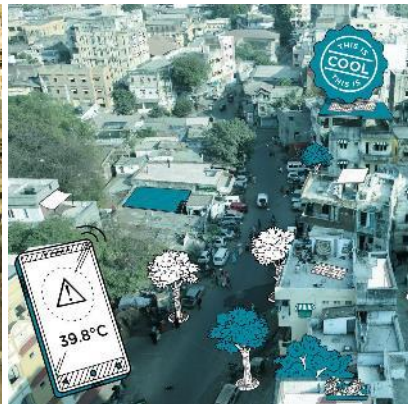
PASSIVE COOLING
Transition



COOL SCHOOLS
Heat stress



URBAN PLANNING
Heat action plans



HEALTH SECURITY
Final mile



TRANSPORTATION
Food security

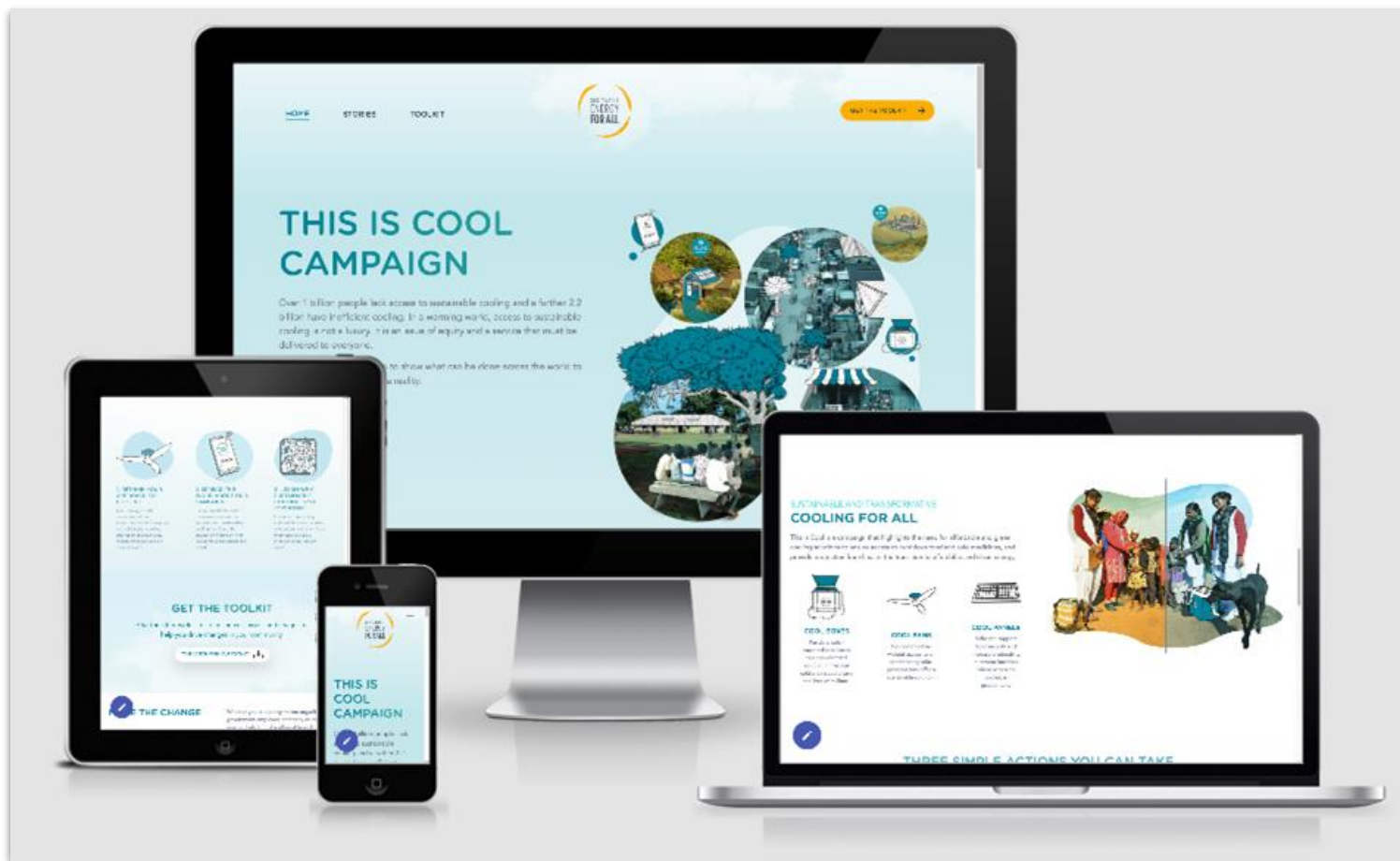




#ThisIsCool

Our microsite is a great place to access everything you need to start a conversation about the importance of sustainable cooling for all.

- Case studies
- How-to toolkit
- Social media assets
- Image library
- Stickers, gifs and animations



Go to:

thisiscool.seforall.org

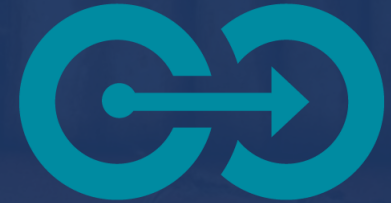
Chilling Prospects: Tracking Cooling for All



1.02 billion remain at highest risk, compared to 1.05 in 2019 and 1.1 billion in 2018.



Energy access can lower risk, but access must be delivered with solutions for cities, buildings, and agricultural and medical cold chains.



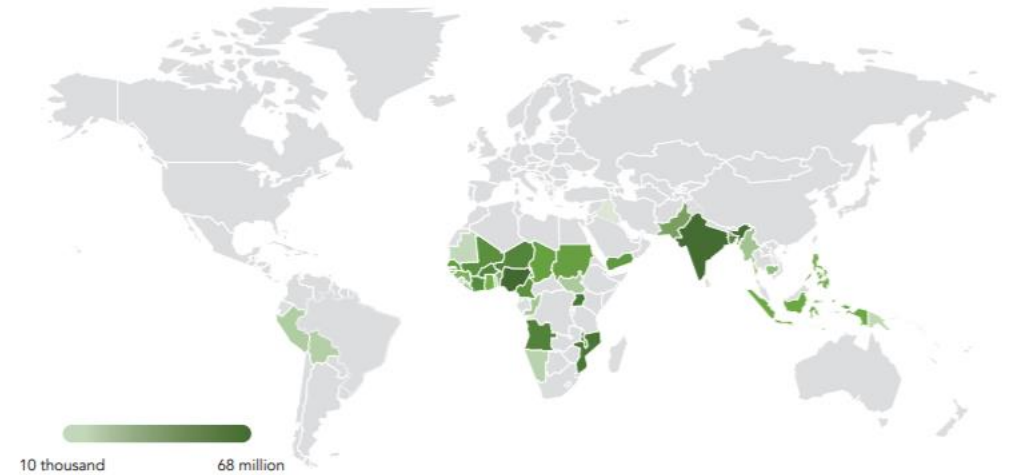
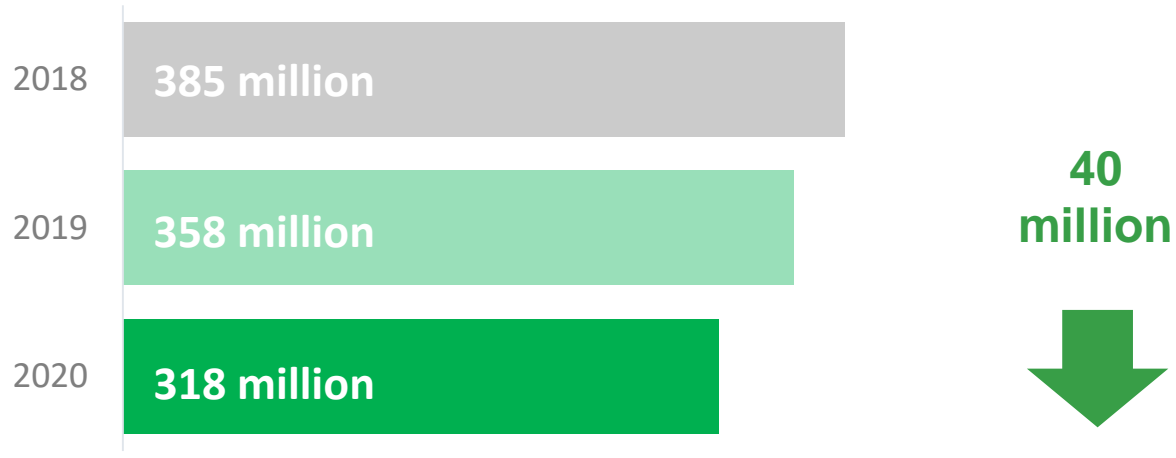
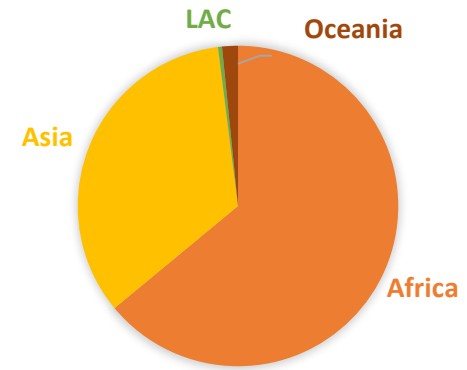
Increasing access to cooling can support shifting to sustainable cooling solutions.

TRENDS IN COOLING ACCESS | POPULATION AT HIGHEST RISK

RURAL POOR: APPROXIMATELY 318 MILLION



- Likely to be subsistence farmers without access to an intact cold chain
- May lack access to electricity and properly stored vaccines



- Significant increase in rural energy access that can provide energy for fans or refrigerators
- Positive trend in electrification, with major improvements in India
- Increased vulnerability in Bangladesh and Angola

Source: SEforALL analysis, Chilling prospects 2020

All maps were produced by SEforALL and they are based on the UN Map of the World, which can be found here: <https://www.un.org/Depts/Cartographic/map/profile/world.pdf>

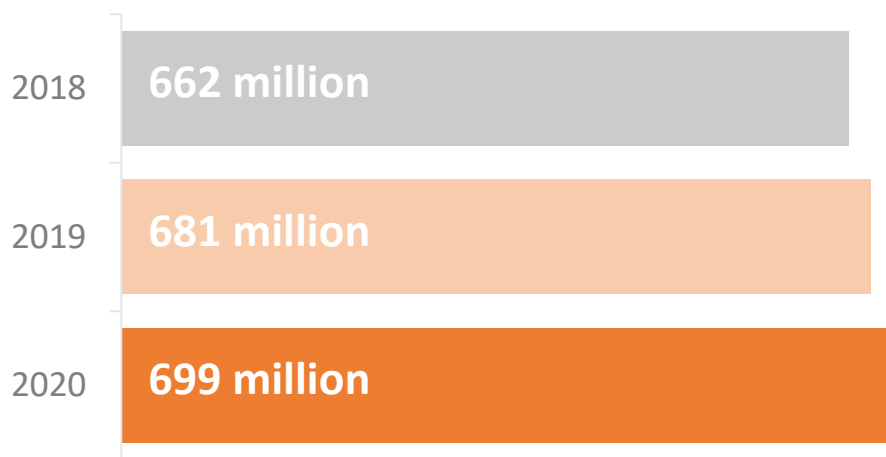
The boundaries, colors, denominations and any other information shown on these maps do not imply, on the part of SEforALL, any judgment on the legal status of any territory or any endorsement or acceptance of such boundaries.

TRENDS IN COOLING ACCESS | POPULATION AT HIGHEST RISK

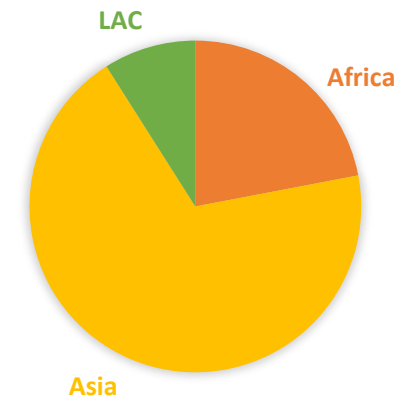
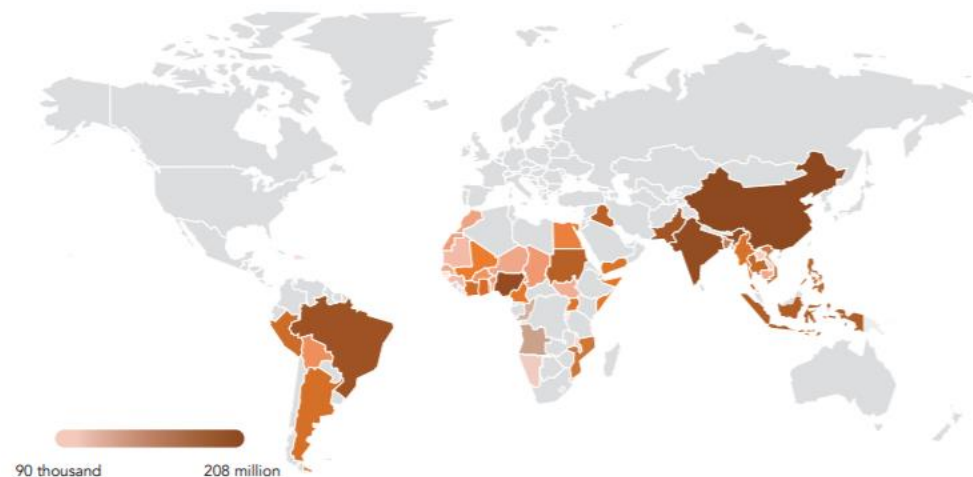
URBAN POOR: APPROXIMATELY 699 MILLION



- May have some access to electricity, but live in housing of poor quality
- May have a refrigerator, but food often spoils due to intermittent power



18
million



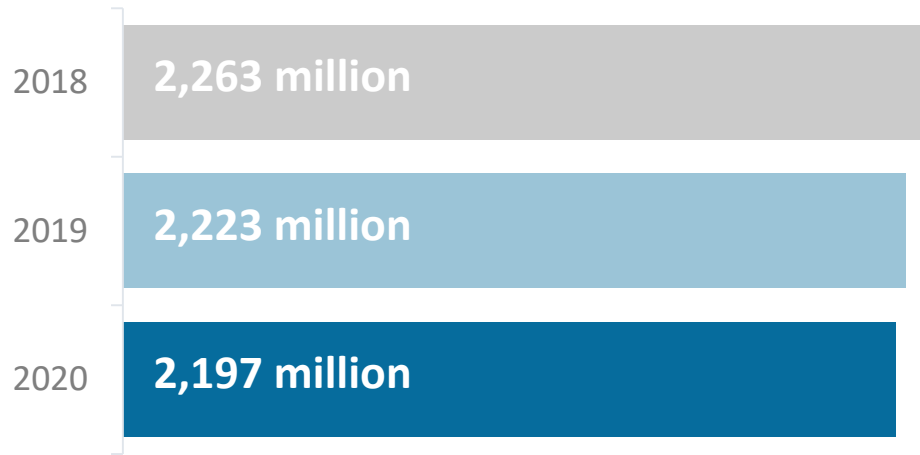
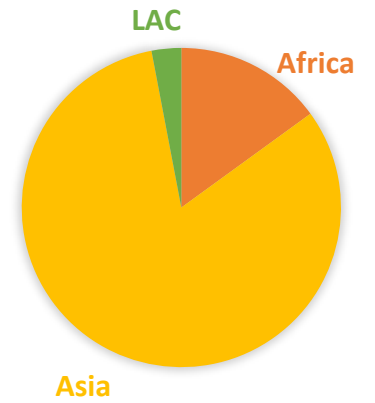
- Continued urbanization and fast-growing cities in Asia and Africa
- Alarming trend in countries where **more than 50% of urban population is at risk** (Bangladesh, Cambodia, Yemen)

TRENDS IN COOLING ACCESS | POPULATION AT MEDIUM RISK

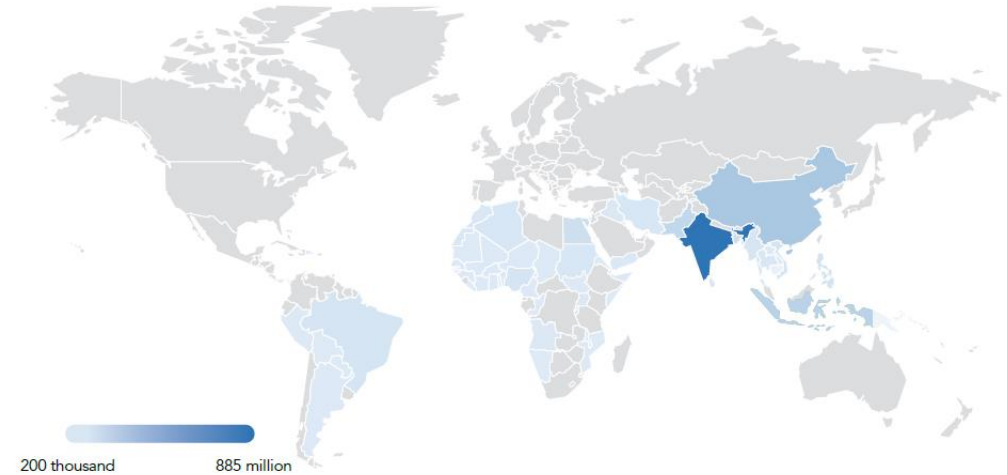
LOWER-MIDDLE INCOME: APPROXIMATELY 2.2 BILLION



- May purchase an affordable thus likely inefficient air conditioner or refrigerator that raises energy consumption and GHG emissions



26 million



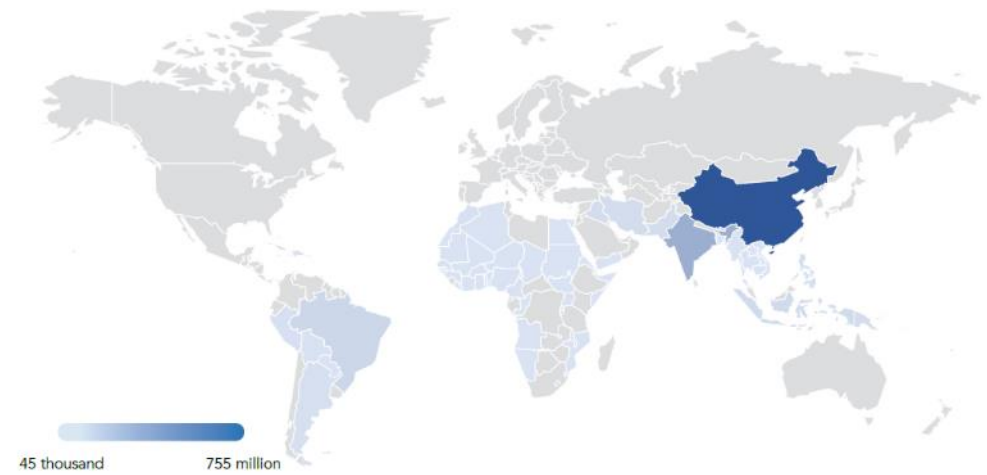
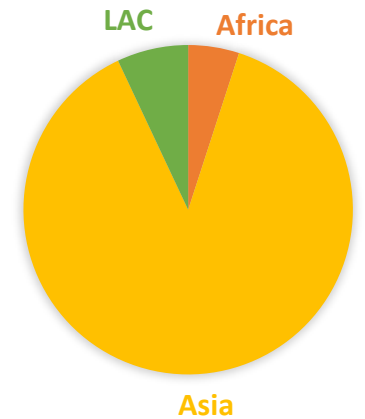
- Risk of purchasing less-sustainable cooling devices associated with income growth and lower prices for entry-level units

TRENDS IN COOLING ACCESS | POPULATION AT LOW RISK

MIDDLE INCOME: APPROXIMATELY 1.4 BILLION



- May be able to afford a more efficient air conditioner or minimize its use;
- May move to energy efficient housing and working environments



- Increased purchasing power and growth of an established middle class
- COVID-19 may challenge purchasing power in the future

Source: SEforALL analysis, Chilling prospects 2020

All maps were produced by SEforALL and they are based on the UN Map of the World, which can be found here: <https://www.un.org/Depts/Cartographic/map/profile/world.pdf>

The boundaries, colors, denominations and any other information shown on these maps do not imply, on the part of SEforALL, any judgment on the legal status of any territory or any endorsement or acceptance of such boundaries.

The background is a blue-tinted photograph of a city street. It shows several multi-story buildings with windows and balconies. A person is walking on the sidewalk in the middle ground. The overall scene is a dense urban environment.

COOLING FOR ALL NEEDS & SOLUTIONS ASSESSMENT

ACCESS TO COOLING | FROM COOLING NEEDS ASSESSMENT TO SOLUTIONS

COOLING SOLUTION APPROACH FOR OPTIMIZATION

THREE COOLING FOR ALL - COOLING NEEDS

COMFORT
& SAFETY



FOOD
& NUTRITION



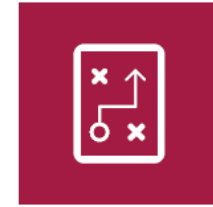
HEALTH
& CARE



TECHNOLOGY



SERVICES



POLICY



FINANCIAL



FOUR COOLING FOR ALL - COOLING SOLUTION PILLARS

ACCESS TO COOLING | COOLING FOR ALL SOLUTIONS PILLARS



TECHNOLOGY



Passive
Active



SERVICES



Preparation
Operation



POLICY



Regulation
Information
Incentives



FINANCIAL



Funding
Finance
Fiscal

ACCESS TO COOLING | COOLING FOR ALL POLICY SOLUTIONS



TECHNOLOGY



SERVICES



POLICY
























FINANCIAL

Regulatory Policies

Codes	Building energy codes, planning and zoning codes				
Standards	Minimum energy performance standards				
Disclosure	Mandatory labels, certificates and public disclosure				
Certification	Mandatory testing, benchmarking and certification				
Evaluation	Mandatory audits and evaluation				
Utility obligations	Regulation of utilities to support sustainable cooling				
Public procurement	Minimum sustainability of government purchases				
Import/export control	Minimum sustainability of imported and exported products				







Regulatory policies can be one of the most effective measures but are often the hardest to adopt and implement, depending on the cultural context and enforcement procedures. While regulatory policies are often difficult to enforce when they are initially created, having the policy in place can support common understanding of what is more sustainable.

ACCESS TO COOLING | COOLING FOR ALL POLICY SOLUTIONS

TECHNOLOGY	SERVICES	POLICY	FINANCIAL
Information Policies			
Disclosure	Public database of products, buildings, vehicles and services	    	
Certification	Product, service or educational certificates	   	
Labels	Branding, endorsement and comparison labels	    	
Voluntary standards	High energy performance or sustainability standards	  	
Awareness	Information and behavior campaigns	   	

Information policies, including the use of voluntary information disclosure, certification, labels that indicate the level of sustainability, voluntary standards, and awareness-raising campaigns that inform people about cost-effective sustainable solutions enable more sustainable behaviour and support better decision-making.

ACCESS TO COOLING | COOLING FOR ALL POLICY SOLUTIONS

TECHNOLOGY	SERVICES	POLICY	FINANCIAL
Incentive Policies			
Non-financial	Expedited permitting / approvals, expanded scope allowance		  
Financial	Policies to deliver financial solutions		  

Incentive policies can include both financial and non-financial incentives. While many first consider financial incentives to encourage people to purchase sustainable technologies or services, it is often the non-financial incentives that can be more sustainably delivered and achieve results. These policies should be considered in collaboration with the financial solutions that can enable private investment in sustainable solutions.

The background is a blue-tinted photograph of a city street. It shows several multi-story buildings with numerous windows. Many of the windows have air conditioning units installed on the exterior. The perspective is from a low angle, looking down the street. The overall tone is professional and urban.

NATIONAL COOLING ACTION PLANS

COOLING FOR ALL | COOLING AND THE SUSTAINABLE DEVELOPMENT GOALS



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



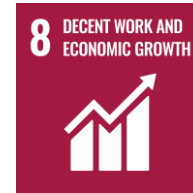
Cool schools **improve learning outcomes** and reduce fatigue



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



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

COOLING FOR ALL | SUPPORT FOR NATIONAL COOLING ACTION PLANS



Data and Analysis: Review the preliminary analysis and the list of NCAP enhancement options for potential access to cooling strategies and commitments. Support partner organization for analysis and data review.



Stakeholder engagement: If possible, conduct a stakeholder consultation on selected options for the NCAP. In lieu of formal consultation, local presentation and socialization through government agencies.



Develop common approach: Key stakeholders agree on best path forward for inclusion of access to cooling in the NCAP through:

- Commitments or goals in the NCAP text
- Commitments or goals in an NCAP Annex dedicated to access to cooling
- Formal public commitment to deliver access to sustainable cooling through implementation of NCAP



SEforALL is supporting National Cooling Action Plan analysis and drafting with a focus on **access to cooling** and review of **energy and refrigerants**. Some of the countries supported include:

- Bangladesh
- Ghana
- Nigeria
- Sri Lanka
- South Africa

THANK YOU!



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