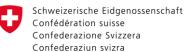


Special thanks to the Cooling for All funders:





Swiss Agency for Development and Cooperation SDC



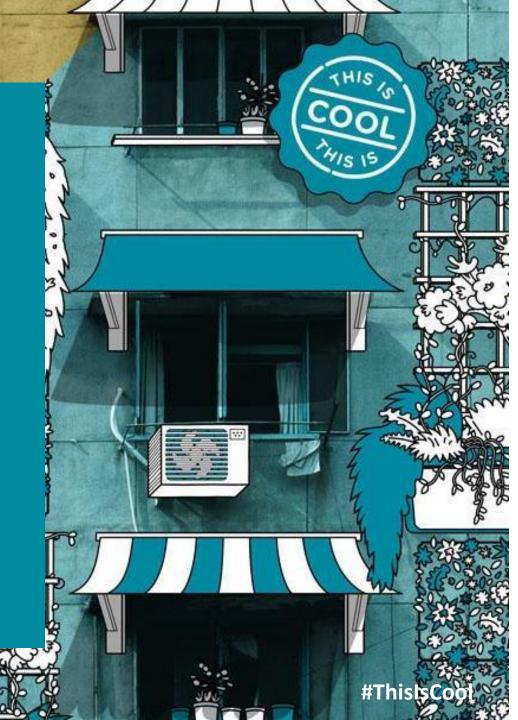




CAMPAIGN

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 – IMAGES TELL THE STORY





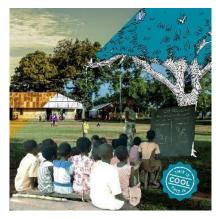
PORTABLE SHADE Productivity



PASSIVE COOLING
Transition



COOL ROOFS
Urban planning



COOL SCHOOLS
Heat stress



TRANSPORTATION
Food security



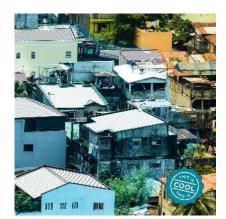
URBAN PLANNING
Heat action plans



HEALTH SECURITY
Final mile

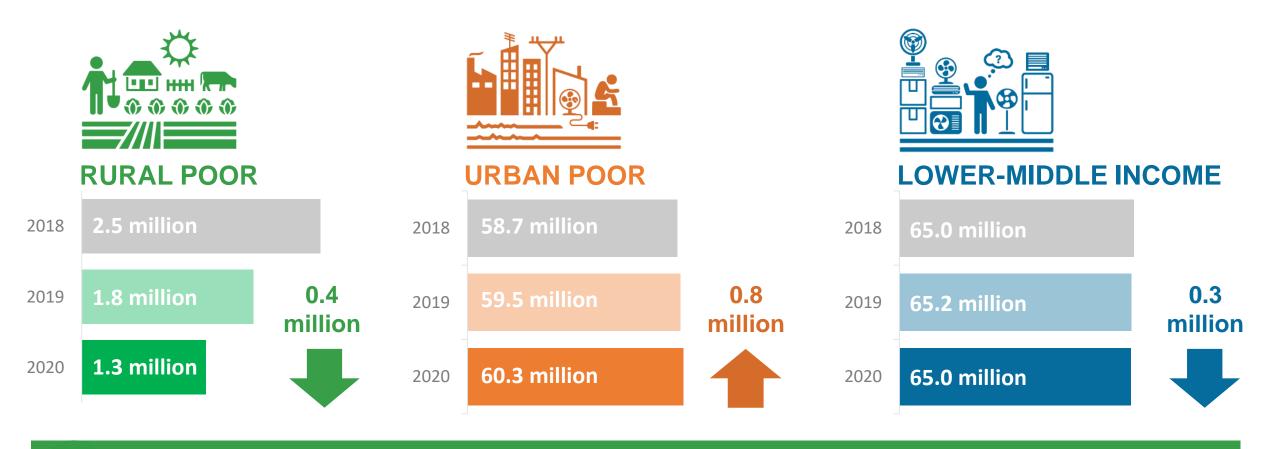


PASSIVE COOLING
Simple solutions



COOL ROOFS
Urban design

COOLING ACCESS | POPULATION AT HIGHEST RISK IN LATIN AMERICA





Positive trend for rural poor in most countries, with major improvements in Peru and Bolivia



Largest increases of urban poor populations at risk for access to cooling in Brazil and Peru



Largest increases of lower-middle income population in Argentina and Bolivia

CHILLING PROSPECTS 2020 | THE PRODUCTIVITY PENALTY



By 2030 the global economy would suffer **lost productivity worth USD 2.4 trillion annually due to heat stress**. It will be developing economies, that face the most significant **productivity penalty** due to a lack of access to sustainable cooling, with outdoor and migrant workers more vulnerable than others.

1.03 million full-time jobs lost in Latin America



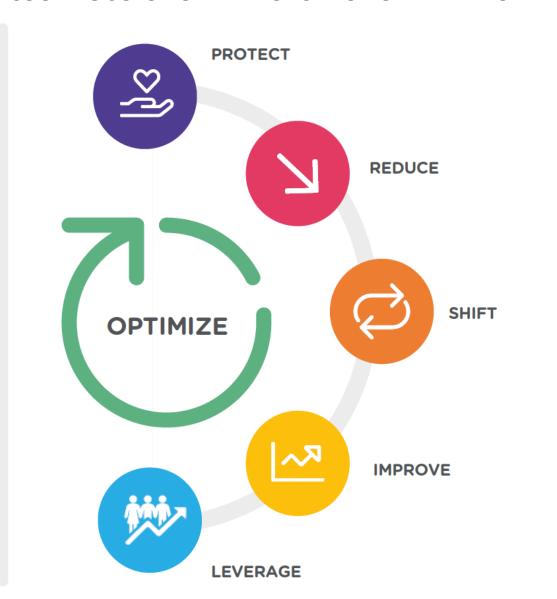
\$52.3 billion in GDP is already lost annually in Latin America due to heat stress

Country	Per capita annual GDP loss due to heat stress (USD)
Argentina	\$ 69.58
Bolivia	\$ 169.57
Brazil	\$ 194.54
Dominican Republic	\$ 149.14
Paraguay	\$ 111.34
Peru	\$ 131.53

ACCESS TO COOLING | FROM COOLING NEEDS ASSESSMENT TO SOLUTIONS

COOLING SOLUTION APPROACH FOR OPTIMIZATION







FOUR COOLING FOR ALL - COOLING SOLUTION PILLARS

GlobalABC | Regional Roadmap for Buildings and Construction in Latin America



GlobalABC Regional Roadmap for Buildings and Construction in Latin America

2020-2050

Towards a zero-emission, efficient, and resilient buildings and construction sector



Current status (2020)

Recommended actions

Urban planning

New

buildings

Some integrated urban planning and sustainable development among existing major centres

Most new construction lacks strong codes and mandatory minimum energy performance

Existing buildings

Energy performance of existing buildings is low and more focus on energydriven retrofits is needed

Building operations

Tools for energy performance, disclosure and management are in use but not widespread

Appliances and systems

Efficiency of appliances and systems lower than best available technology

Materials

High embodied carbon of materials depending on manufacturing location; little data and information

Resilience

Limited planning strategies for climate events, and low resilience of buildings

Clean energy

In Central and South America 11%have no access to clean cooking, 3% no access to electricity Prioritise sustainable urban planning and development
Use planning and development tools to support sustainable
development and improve housing affordability and public transit;
develop collaborative national and local urban plans

Prioritise building energy codes and standards improvement Existing codes need to be strengthened and prioritise passive and affordable construction strategies, implement mandatory building energy codes, adopt passive designs and reduce cooling need

Accelerate action on building retrofits and quality

Develop and implement affordable low-energy decarbonisation
strategies, increase renovation rates among existing high-density
development and low-income housing

Adopt operation and maintenance standards
Deploy established benchmarking and certification tools more
widely, and strengthen standards for systems energy savings;
adopt monitoring and energy management systems

Stimulate demand for energy-efficient appliances
Strengthen and expand existing minimum energy performance
requirements and consider harmonised standards; support greater
improvement in low-cost efficient cooling technologies

Promote the use of low-carbon materials

Promote adoption of low-carbon materials and reuse and existing materials and constructions; improve material efficiency in manufacturing to reduce embodied carbon over whole life cycle

Increase the resilience of buildings and communities

Develop integrated risk assessment and resilience strategies for major urban centres and formalise and integrate resilience into new construction and existing urban areas

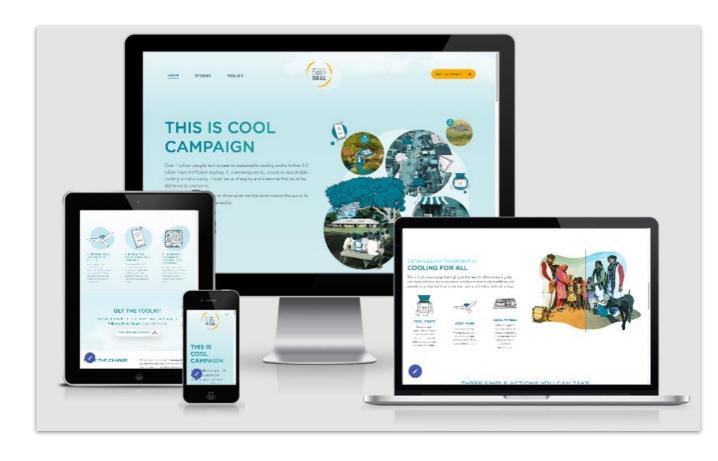
Accelerate access to clean energy

Enhance regulatory frameworks, provide financial incentives, encourage renewable energy procurement, accelerate use of clean cooking fuels and decarbonise electricity and heat



#ThisIsCool

Go to



thisiscool.seforall.org