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Cool Coalition

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Cooler cities, cooler people, cooler planet: The 'triple win' of sustainable urban cooling

Cities are at the forefront of the climate crisis; they're heating up at twice the average global rate and they're a major source of the greenhouse gases (GHGs) that are warming our planet.

How can sustainable urban cooling solutions help local governments protect cities and their residents from temperatures while also limiting further global warming?

As global temperatures rise, our cities are heating up at twice the average rate due to the urban heat island effect, a phenomenon by which human ac (e.g. high usage of concrete, steel, and glass, as well as diminished greenspace) create and capture heat, keeping temperatures high long after the su across the world could warm by as much as 4.4°C on average, which could be catastrophic for the health, wellbeing, security, and economic producti 1.5°C of warming, 2.3 billion people could be exposed and vulnerable to extreme heat events.

The need for increased access to cooling to avoid extreme heat in our cities is undeniable, and doing nothing is not an option. Unfortunately, convent conditioners are typically energy-intensive and use refrigerants with a high global warming potential (GWP), compounding the problem further by pro up the planet.

Cities, with all their inhabitants, buildings, and infrastructure, are already responsible for more than 70% of the world's global carbon emissions . Cooling appliances, such as air conditioners, are key drivers of emissions, with up to 10% of demand for electricity in cities heat island effect. If we're to have any chance of limiting global warming to 1.5°C, then cities need to achieve net-zero emissions by 2050. Clearly, cou

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Leading by example can be done by ensuring all city-controlled assets (i.

Climate-friendly and

Substantive actions

Heat prevention trai

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