

## Is our climate changing?

Yes, our climate is changing. Our planet does cycle through warmer and cooler periods, but the data is clear that human activity has unequivocally caused our climate to irreversibly change.<sup>1</sup>



**“It breaks my heart to see my hometown turn dry, ugly and dusty. But the Green School project gives my community hope now.”**

Fatima Al-Sawa'dah

Photo Courtesy of MSD

## What is this changing climate really changing?

- Higher and more extreme temperatures
- More frequent and severe disasters
- Reduced access to safe water
- A warmer and rising ocean
- The extinction of tens of thousands of species
- Increasingly unpredictable rainfall, impacting farmers
- Increased spread of disease

These are all directly the result of a changing climate. It's no exaggeration to say that our climate impacts every aspect of our lives.

**“No sooner had I planted than rains disappeared. This season, we hardly produced any crops, and the price of maize has doubled . . .”**

Pascal Nizeyimana



Peace and Development Network photo/Brian Nicholas Neza

1. IPCC, 2022: Climate Change 2022: Impacts, Adaptation, and Vulnerability.

“The roof, the walls, the floor, furniture were all ruined. . . We had to throw everything away.”

Amadeo Castillo



CASM photo/Absalón Cáliz

## How much is our planet warming up?

Since around 1880, the planet has warmed by 1.1°C/2°F.<sup>2</sup> That might not seem like much, but scientists agree that if we hit 1.5°C/2.7°F, there will be irreversible damage to our planet.<sup>3</sup> Some of that damage is already underway — 28 trillion tonnes of ice melted between 1994 and 2017.<sup>4</sup>

## What is MCC doing about climate change?

### Adaptation

Adaptation refers to changes we make in response to the new realities that climate change has created. MCC supports communities worldwide that are adapting to new weather in their area. Unfortunately, it is largely lower-wealth communities and those least responsible for climate change who are most affected.

### Mitigation

Mitigation refers to actions we take to reduce the causes of climate change, from an individual level to community and governmental levels. MCC is also looking at the bigger picture of climate change. We are calling on the Canadian and U.S. governments to address the factors that cause climate change.

[ClimateActionForPeace.com](https://ClimateActionForPeace.com)



2. UN Climate Change Annual Report 2018.

3. IPCC, 2022: Climate Change 2022: Impacts, Adaptation, and Vulnerability.

4. The Cryosphere, 2021: Earth's ice imbalance.