



World Vision Climate Change Challenge

#CCC2023

THE DANGER OF CLIMATE CHANGE

Earth needs some greenhouse gases in the atmosphere to keep the planet warm enough for humans, animals, and plants to live. The problem arises when there is excess. Extra greenhouse gases trap too much of the sun's energy in the Earth's system, making the planet warmer. This global warming is changing our climate with unpredictable weather patterns, rising sea levels, increased natural disasters, and ocean acidification.

If climate change continues to go unchecked, it will disrupt our neighbourhoods, food security, and health, putting our future in danger.

Fast Facts:

- Most global warming has occurred in the last **40 years**¹
- Since the industrial revolution, carbon dioxide emissions have risen over **50% higher** than pre-industrial levels²
- Fossil fuels make up over **75%** of global greenhouse emissions and nearly **90%** of all carbon dioxide emissions²
- From 1993 to 2019, Antarctica lost **3,848 billion tons** of ice! The melting ice is causing wildlife to lose their habitat and food sources leading to higher extinction rates.³
- In **2022** alone, Canada has experienced a spike in extreme weather events
 - A drought in BC (who would have thought that would ever happen?) leading to increased wildfires
 - Back-to-back hurricanes in the East Coast with the most intensity ever experienced by Maritimers (probably due to a warming ocean and rising sea levels)⁴

Take action against climate change by registering for the #ClimateChangeChallenge at www.teamworldvision.ca/event/climatechangechallenge

References

- 1 NASA. n.d. Evidence. Accessed January 17, 2023. <https://climate.nasa.gov/evidence/>.
- 2 National Oceanic and Atmospheric Administration. 2022. Carbon Dioxide now more than 50% higher than Pre-Industrial Levels. June 3. Accessed January 17, 2023. <https://www.noaa.gov/news-release/carbon-dioxide-now-more-than-50-higher-than-pre-industrial-levels>.
- 3 Nesbit, Ben. 2022. Drought causing rapid rise in wildfires in British Columbia, officials say. October 15. Accessed January 18, 2023. <https://bc.ctvnews.ca/drought-causing-rapid-rise-in-wildfires-in-british-columbia-officials-say-1.6111022>.
- 4 Mulligan, Ryan. 2022. Climate change means Atlantic Canada will see more frequent storms. September 26. Accessed January 18, 2023. <https://www.queensu.ca/gazette/stories/climate-change-means-atlantic-canada-will-see-more-frequent-storms>.