



# CHANGE THE CURRENT

A SEATIZEN'S GUIDE TO UNDERSTANDING THE CLIMATE CRISIS IN THE PHILIPPINES



*Save Philippine Seas*

Because our seas save us.

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Philippine Reef  
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# YOU ASK...



Is my hometown really going to be underwater 30 years from now?

So what's the deal with climate change?

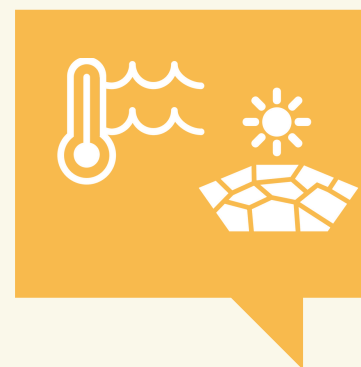
Is there anything we can do?

# THE HOT TOPIC

**The Philippines is becoming too hot to handle.**

A total of 28 million Filipinos directly suffered from 5 supertyphoons in 10 years.

Up to 413,000 farmers are annually affected by El Niño, threatening our food supply. Changes in ambient temperature and precipitation increase risk of outbreaks of infectious diseases, particularly mosquito-borne.



# OUR EARTH HAS FEVER



**One of the symptoms we now feel is global warming.**

Imagine that your house has no windows, it's really hot inside, and you're wearing a thick jacket.



**The diagnosis: Climate change**

The long-term change of climate patterns, largely attributed to the increase of greenhouse gases (GHG) in the atmosphere.

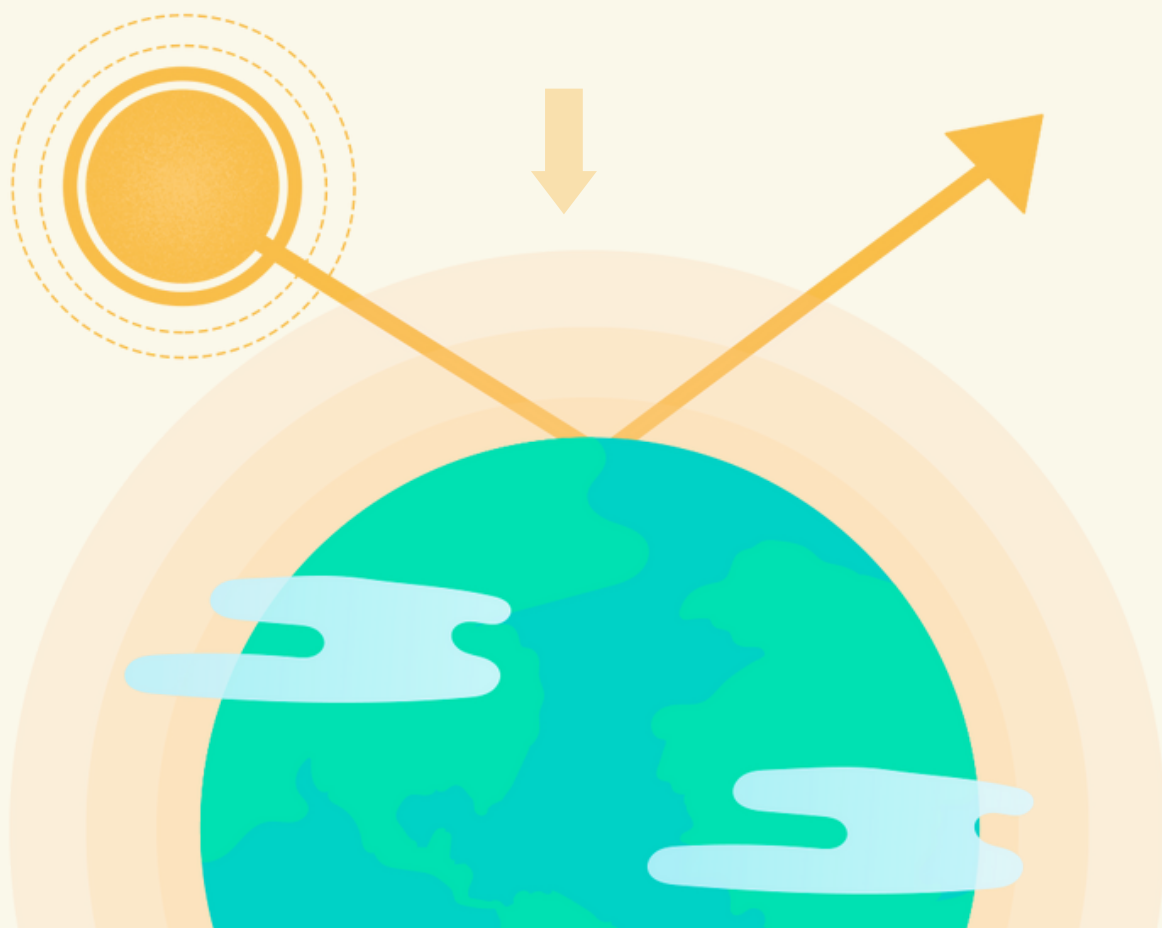
# SO... GREENHOUSE GASES ARE BAD?

**Well, no.** Naturally occurring GHGs (e.g. carbon dioxide, water vapor, methane, ozone) are needed for the 'greenhouse effect' that allows enough heat from the sun to make life on Earth possible.

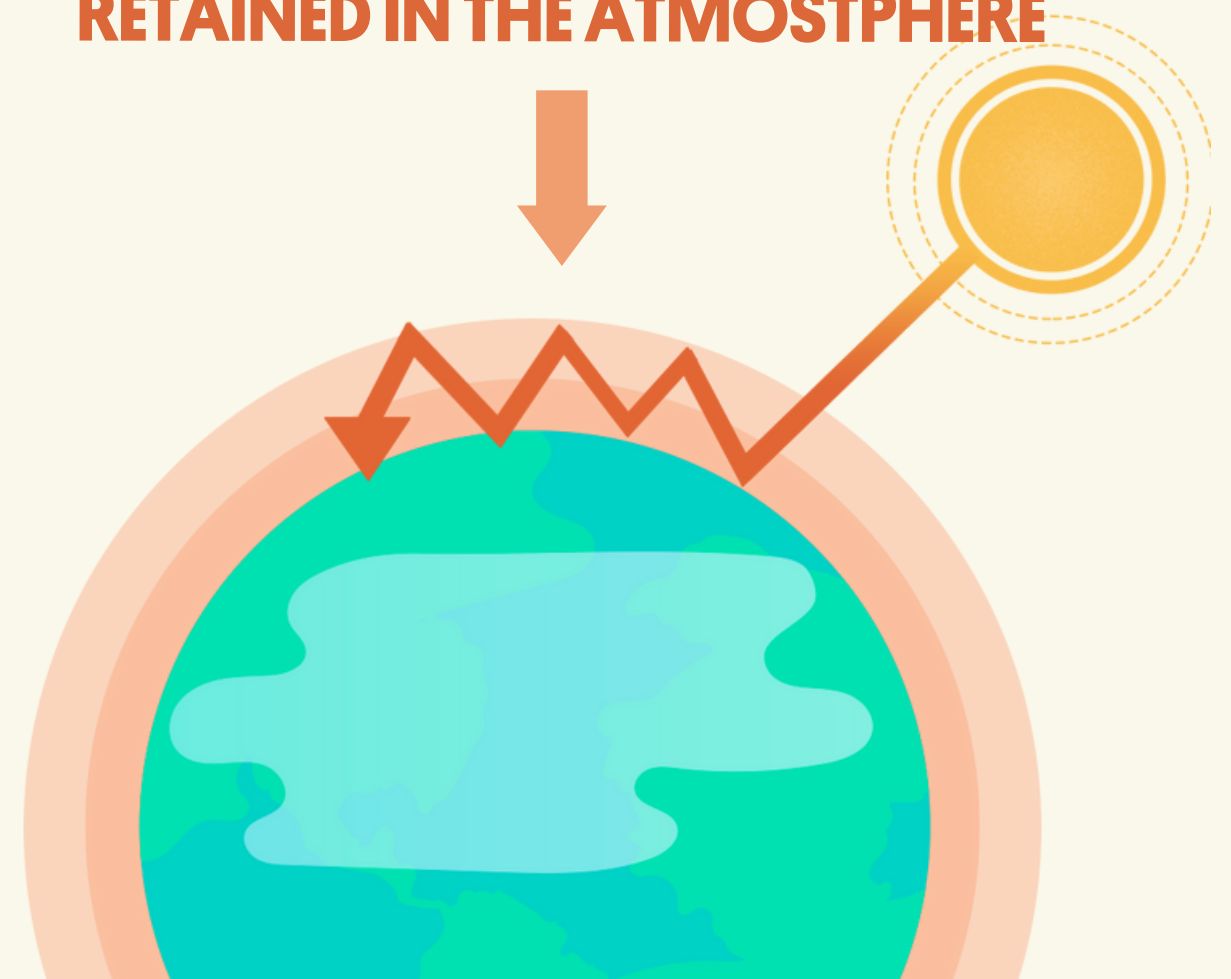
However, **TOO MUCH** of these GHGs make us sing, "**You give me fever!**"

This is called the 'enhanced greenhouse effect', which is intense, causing Earth's surface temp to rise up to  $+1.16^{\circ}\text{C}$ .

**LESS GHGs = LESS HEAT IS RETAINED IN THE ATMOSPHERE**




**MORE GHGs = MORE HEAT IS RETAINED IN THE ATMOSPHERE**



Source: Global Warming Overview - National Geographic, Greenhouse Cards  
Climate Kids - NASA, Global Climate Report - March 2020 - NOAA

# A HEATED DISCUSSION ON BEING EXTRA



**When they say ‘too much of a good thing’, they didn’t only mean your extra GHGs.**

The root cause of climate change is too much reliance on fossil fuels - which are coal, crude oil, and natural gas from the fossilized remains of plants and animals that lived millions of years ago.

Source: Greenhouse Gases: Refining the Role of Carbon Dioxide



# A HEATED DISCUSSION ON BEING EXTRA



Sixty-percent of the country's electricity—which powers your house and the gadget you're reading this with—is from fossil fuels.

So when we go extra on our fossil fuel-powered cars and conveniences, what actually happens is...

**we are all causing climate change.**

Source: The Philippines energy future and low-carbon development strategies



# WAIT, WHAT? IT'S GETTING HOT IN HERE.



There are a lot of alarming consequences of climate change - we aren't just getting warmest years on record, we also have to deal with **extreme weather conditions**, **rising seas** that may flood our coastal cities, and **more of those unpretty things** you didn't think will happen in our lifetimes, such as a pandemic.



**BUT... A 1-2°C INCREASE DOESN'T SOUND SO BAD.**



A 1-2° C increase may not sound like a lot to you, but think of your body.

Increasing a human's temperature by 1-2° Celsius already messes with your bodily functions and could even be fatal!



# TIME TO CHANGE THE CURRENT.

Despite all this, we can still change the current.  
As a seatizen, you can be part of the solution.  
Follow this campaign, participate,  
and use it as your Guide to Understanding the  
Climate Crisis in the Philippines.

