

GLOBAL WARMING

WHY WE MUST ACT NOW....

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Hi, why are people so worried about global warming? I don't know much about it. Could you please explain very quickly?



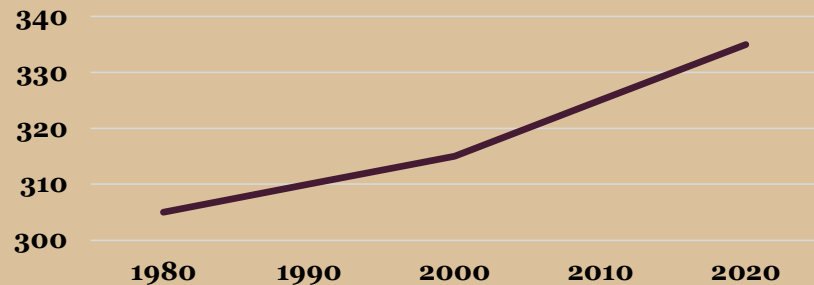
Yes, I know. Most people are not aware of it. I will give you a simple and brief overview to help commoners like you understand.



Cause of Global Warming: Greenhouse Gases Emission

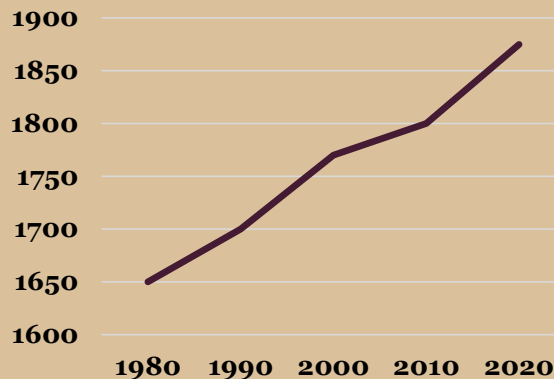
Concentration of Nitrous Oxide in atmosphere has increased by 10% over the last 40 years

values are in ppb



Concentration of Methane in atmosphere has increased by 14% over the last 40 years

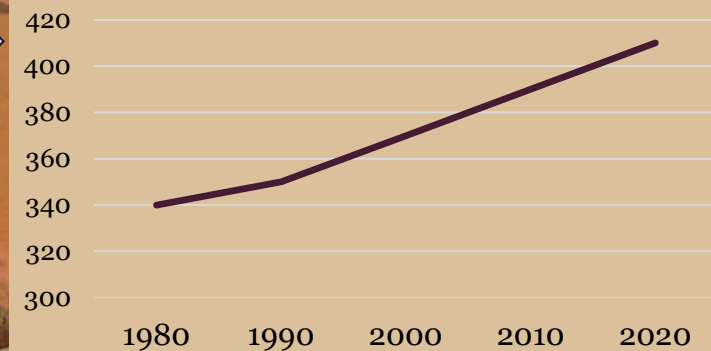
values are in ppb



Greenhouse gases:
Methane,
Nitrous Oxide,
Carbon Dioxide

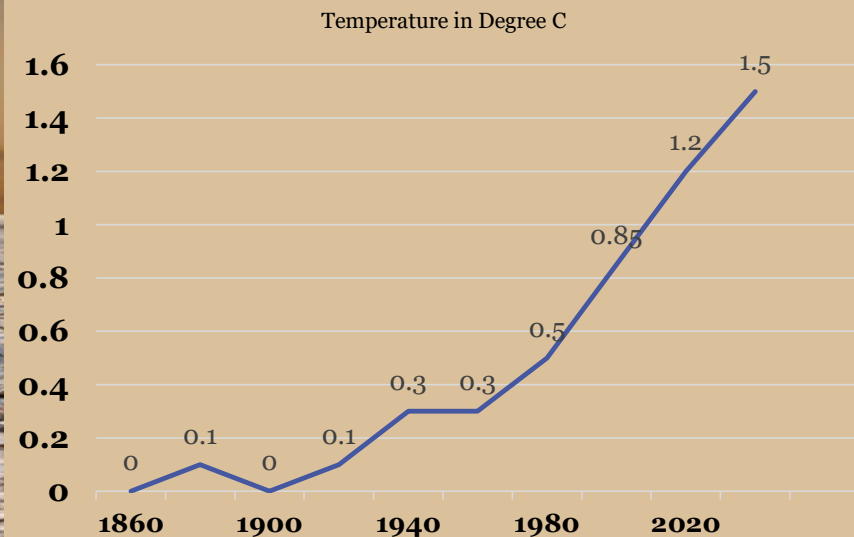
Concentration of Carbon Dioxide in atmosphere has increased by 21% over the last 40 years

values are in ppm



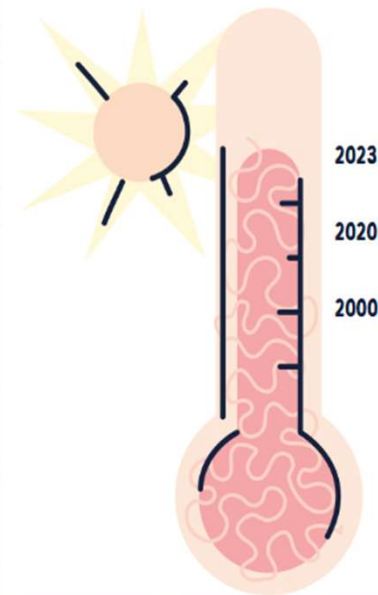
Global temperature pattern

The world is 1.5°C warmer compared to the pre-industrial average between 1850 and 1900



THE TEMPERATURE HAS RISEN
CONTINUOUSLY SINCE 1970

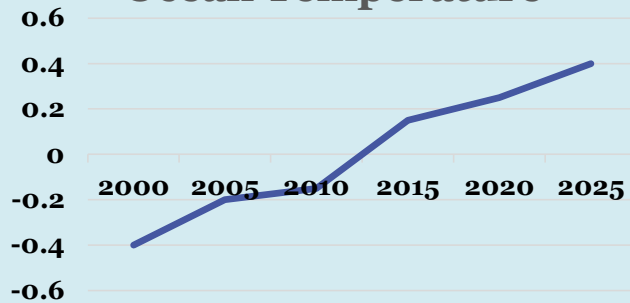
2023 WAS THE WARMEST



Impact of Climate Change

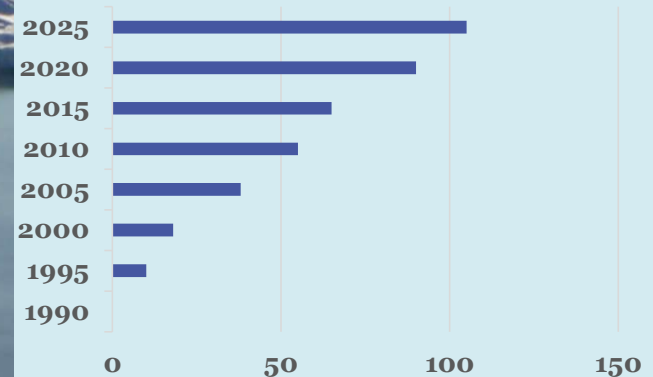
The ocean reached to a record-high temperature level in 2023, causing coral reef bleaching

Ocean Temperature



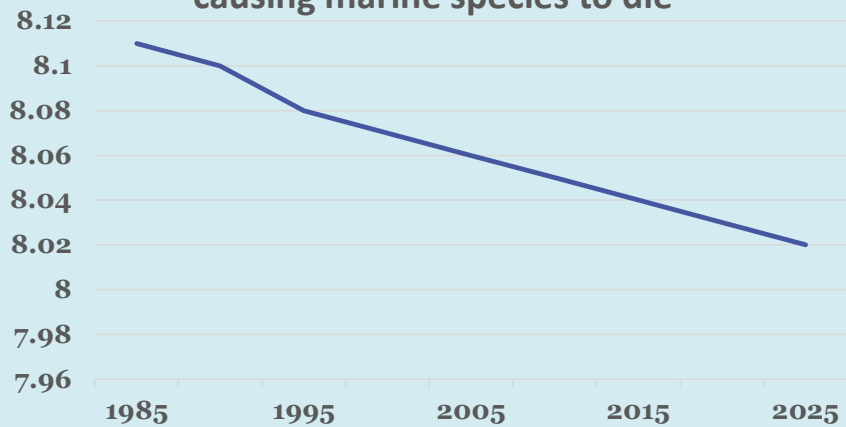
The sea water level has increased by 3.4 mm per year over the past 30 years, causing a big impact on coastal flooding and erosion

Sea level Rise (mm)



Impact of Climate Change

Mean ocean pH has decreased globally,
causing marine species to die



The Antarctic polar ice area has reached a record low, and an extremely negative glacier mass balance was observed in western North America.



Major Impacts on Climate: Why we need to worry

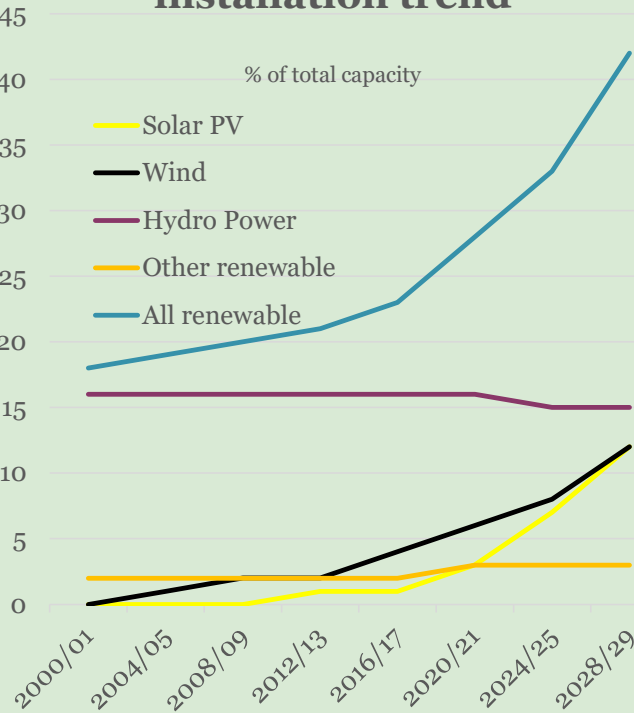


Solutions: Transition to Renewable Energy

Renewable energy installation trend

% of total capacity

— Solar PV
— Wind
— Hydro Power
— Other renewable
— All renewable



Renewable Energy Capacity

Investment in renewable energy has started increasing

Renewable energy contributes 31% of total energy worldwide

Renewable energy sources are projected to provide over 42% of global electricity generation, with wind and solar PV's share expected to double to 25%.

2012/13

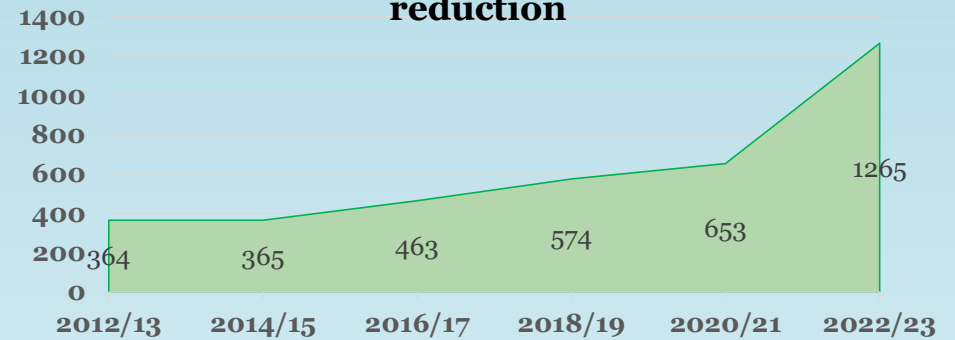
2024/25

2028/29

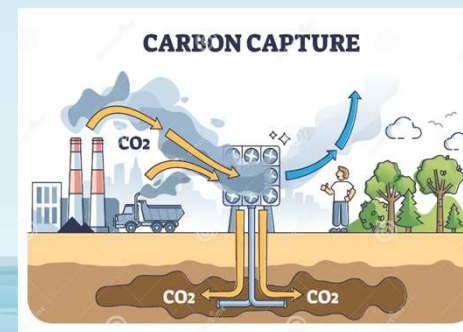
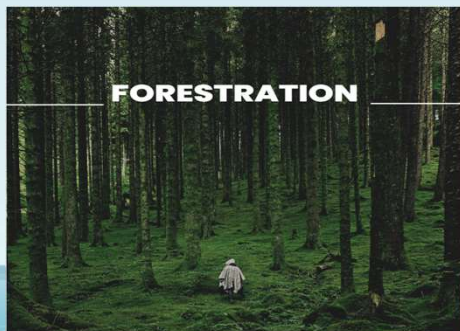
Solutions: Financing

Immediate reductions in greenhouse gas emissions are required to keep warming below 1.5° C.

A worldwide 93% increase in financing observed in the last year with the sense of immediate greenhouse gas emission reduction



Why financing for climate is required?



Solutions: What we can do

SAVE ENERGY



You will save the living Thing

Use Bicycle



Take Plant
based diet



**SORT & RECYCLE
YOUR WASTE**



LET'S PLANT TREES AND SAVE
MOTHER EARTH.



Be a volunteer!

Reduce meat
intake by 25%,
lower your carbon
footprint by 2,000
pounds per year



**Support Green
Initiative**



Thanks, now I understand
what is global warming and
what we need to do to
reduce it.



Welcome! Always support
green initiatives and
educate others. If we do not
act now, the future will be
very dark.



Thank You

Source:

State of Global Climate: <https://storymaps.arcgis.com/stories/2545ecd62e594005bb196b0ba962d7cb>

Global Temperature Report for 2023: <https://berkeleyearth.org/global-temperature-report-for-2023/>