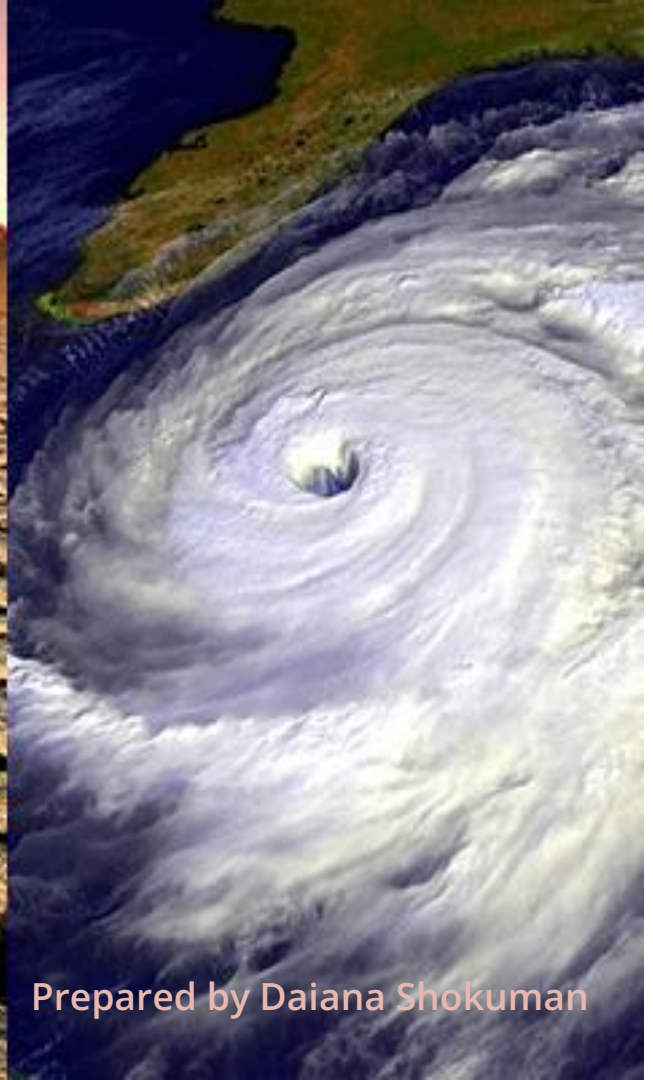


Global Climate Change



Prepared by Daiana Shokuman

Outline

- Climate Change is ...
- Causes and Consequences of Climate change
- Causes behind Global Warming
- Conclusion



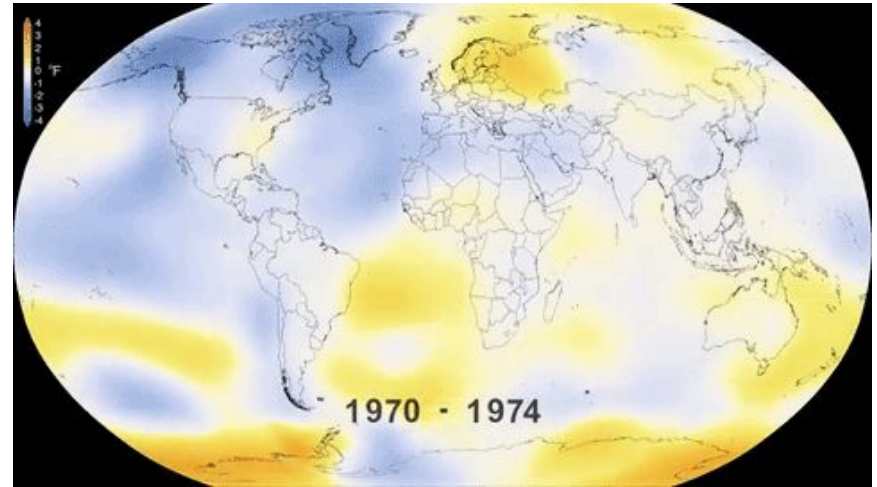
What is Climate Change?

a global challenge that has no borders and to combat it requires coordinated work by all countries.



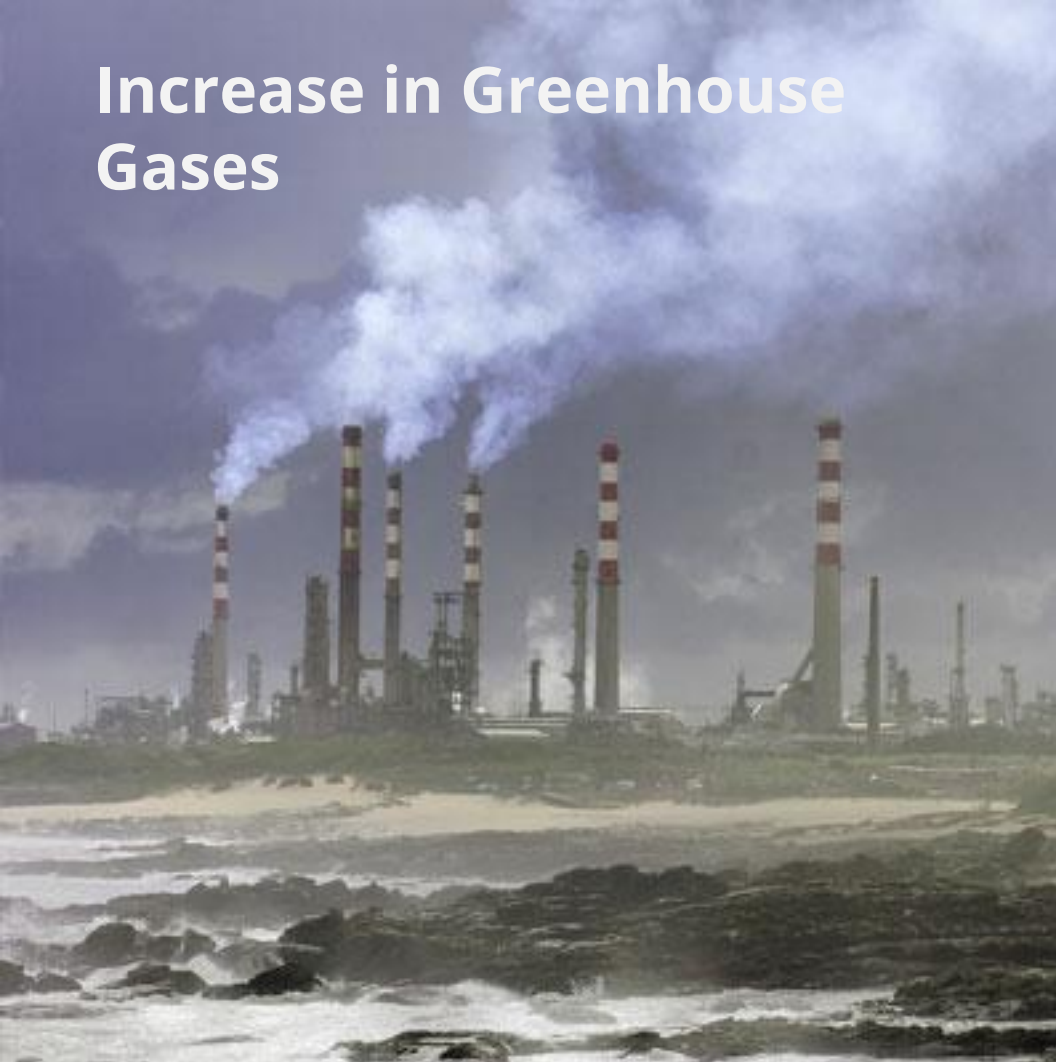
GLOBAL WARMING

- caused by the **greenhouse effect**
- daily **human activities maximize the greenhouse effect**, causing the planet's temperature to increase even more



1971 - 2015

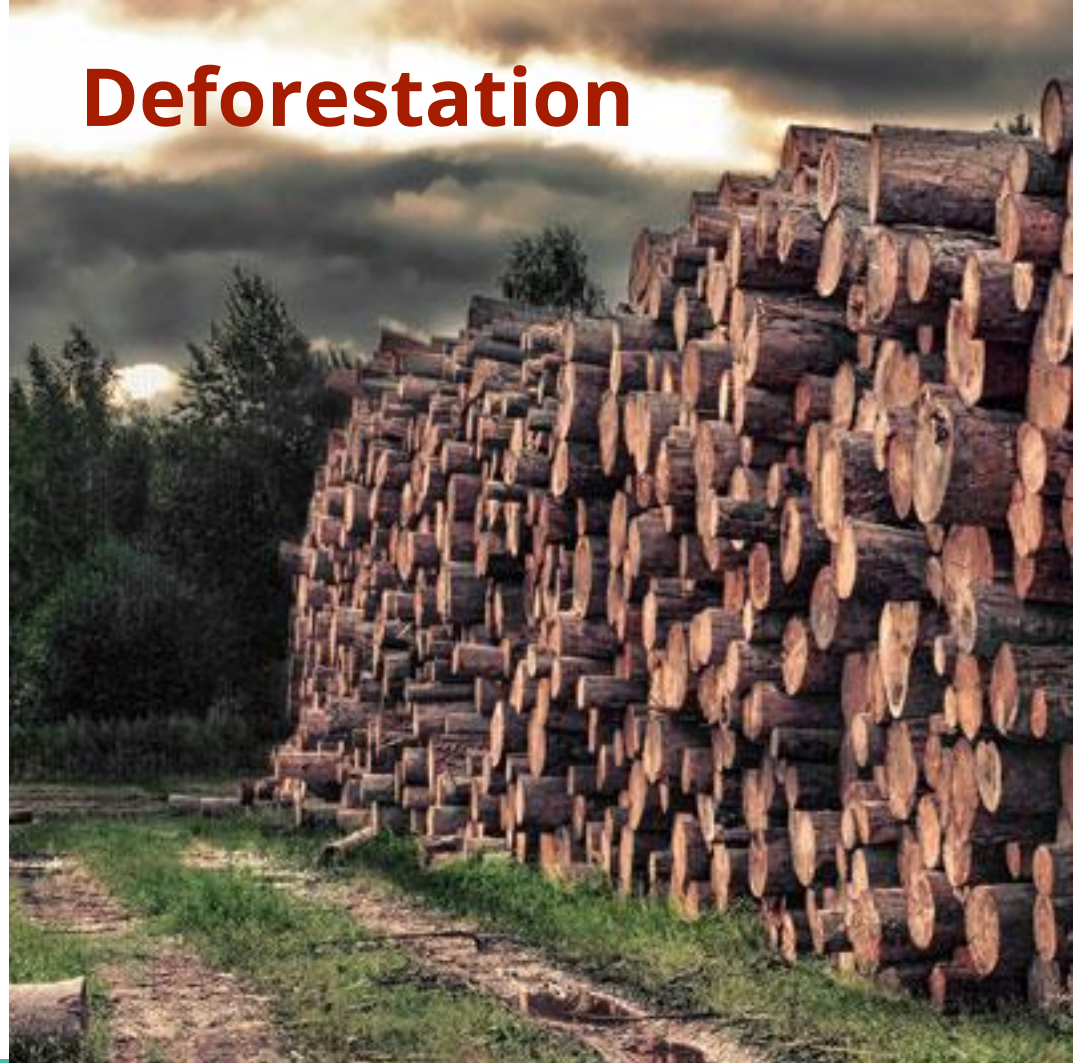
Increase in Greenhouse Gases



- Carbon dioxide
- Methane
- Nitrogen oxide
- HCFCs - *gas of anthropogenic origin* (result of human activities). *Harmless to the ozone layer, but increases the greenhouse effect.*

Deforestation

Forests are natural carbon sinks, absorbing CO₂ through photosynthesis and returning oxygen to the atmosphere.



Destruction of Marine Ecosystems

An underwater photograph showing a vibrant coral reef in the foreground with various types of coral in shades of brown, orange, and yellow. Numerous small, colorful fish, including yellow and blue ones, are swimming in the clear blue water. Sunlight filters through the surface, creating a bright, shimmering effect at the top of the frame.

The oceans are also carbon sinks, absorbing up to 50 % of CO₂.

The problem is that, when they reach their limit, the ocean acidifies and causes death and disease among marine flora and fauna.

Population needs more and more resources, which speeds up the increase in greenhouse gas emissions from all production processes.

**Population
Increase**





Intensive Farming

cattle and sheep produce large amounts of methane when digesting their food, while fertilizers produce nitrous oxide emissions.

- overexploitation of natural resources
- emissions from international freight transport, which both contributes to global warming

Overconsumption



WE WILL NOT STAY QUIET ON THE CLIMATE CRISIS

Responsible
consumption
and recycling

Renewable
energies

Energy and
Water efficiency

Sustainable
Agriculture and
Forest
management

Sustainable
transport

Sustainable
infrastructure

THANK YOU FOR YOUR



Resources

1. <https://www.acciona.com/climate-change/>
2. <https://climate.nasa.gov/effects/>
3. <https://solarimpulse.com/global-warming-solutions>