

TOGETHER FOR A GREENER TOMORROW!

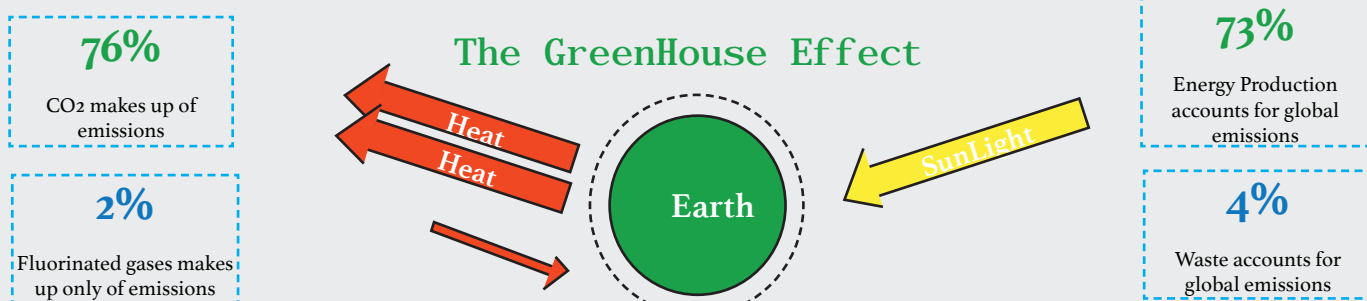


CLIMATE CHANGE AND GHG TRENDS

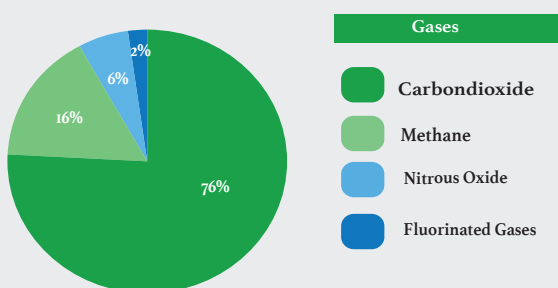
UNDERSTANDING THE SOURCES, EFFECTS, AND SOLUTIONS TO COMBAT CLIMATE CHANGE

WHAT ARE GREENHOUSE GASES?

Greenhouse gases (GHGs) like CO₂, methane (CH₄), and nitrous oxide (N₂O) trap heat in the atmosphere, causing global warming. Human activities, especially since the Industrial Revolution, have significantly increased GHG concentrations.

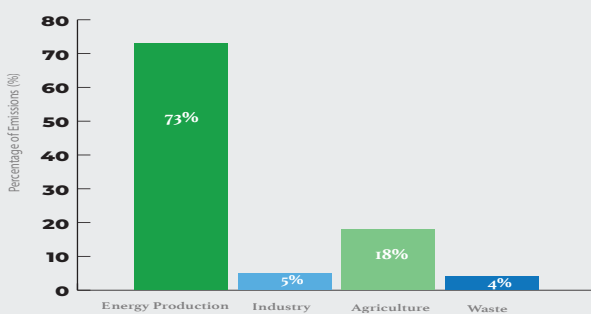


Global Emissions by Gas



HOW MUCH ARE WE EMITTING?

Emissions by Sector

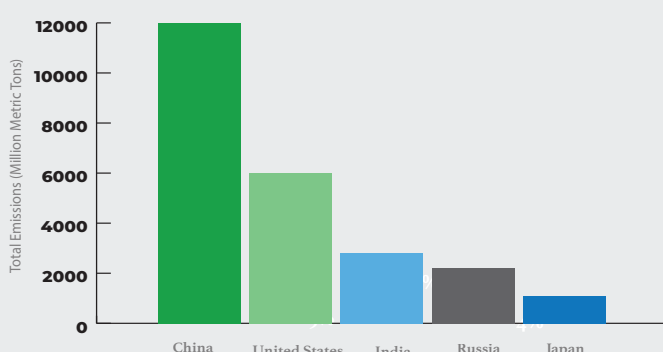


TOP EMITTERS BY COUNTRY

China, the U.S., and India are the top three emitters, together responsible for over 50% of global emissions.

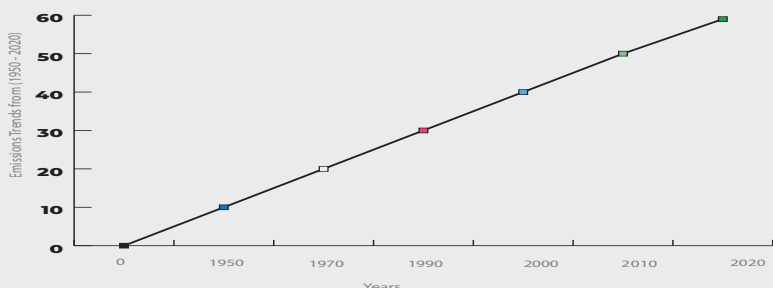
Per capita emissions vary significantly, with developed nations often having higher rates.

Total Emissions



ARE EMISSIONS INCREASING OR DECREASING?

Emissions trends from 1950 to 2020



Global emissions have risen steadily since the 1950s. However, some regions, like the EU, have seen a decline due to strict climate policies.

WHAT CAN WE DO?

At the Policy Level

Adoption of renewable energy, carbon pricing, and international agreements like the Paris Accord.

At the Individual Level

Action	CO ₂ Reduction Potential (kg/Yrs)
Use Public Transport	1,200
Eating a Plant-Based .D	1,500
Installing Solar Panels	3,000

WHY DOES THIS MATTER?

Environment Impacts

Rising temperatures, melting glaciers, more frequent extreme weather events, and rising sea levels.

Human Impacts

Effects on agriculture, health, and living conditions, especially in vulnerable regions.

THE TIME TO ACT IS NOW

We all have a role to play in addressing climate change. By understanding emissions, their impact, and the solutions available, we can work toward a sustainable future.