

Student Name : Hill Jigishkumar Modi

SNO : S3827516

Vodcast URL : https://rmiteduau-my.sharepoint.com/:v/g/personal/s3827516_student_rmit_edu_au/Ee1R3FqF9OFAI4AXirvZN3cBouNOeL3ZdANM_ff-J7cfsA?e=ZYeXIB

Transcript

Vodcast : Climate Change: Is mankind victim or Suspect?

According to article published by World Economic Forum on 26th Sep, 2019, In the US, 6% of people say climate change isn't real, and 9% don't attribute global warming to human action. (Charlton, 2019)

Theory that climate change is natural phenomenal is getting slowly popular with blame on Sun and Solar Activity for temperature rise across the world. (BERARDELLI, 2020) (Lee, 2020)

But, Data visualization of temperature vs Solar Activity published by NASA tells us whole different story. The red line indicates 11-year average global surface temperature change while yellow line indicates 11-year average Sun's energy received by Earth in watts per square meter.

It is clear that Sun's energy received by earth is almost same throughout 1880-2020 period with little bit of fluctuation, in fact it shows downward trend after 1950. While after 1950, global surface temperature is skyrocketed and temperature has risen to almost 1 degree Celsius. So it's clear, solar activity is not cause of global temperature. (NASA, n.d.)

So, what's the reason behind this temperature change? (Image - (HAUSFATHER, 2017))

Obvious answer is CO₂ emission due to Industrial Revolution.

This data visualization was created and published on our world in data organisation website, which gives idea of CO₂ emission due to burning of fossil fuels from 19th Century. CO₂ emission was low in the first few decades of industrial revolution. But, after 1950, there was drastic upward change in CO₂ emission and within seven decades, it reaches to 35 billion ton from 6 billion ton. (Roser, CO2 emissions, n.d.)

This, sudden upward trend in CO₂ emission due to Industrialization and temperature rise after 1950, proves human activity is responsible for climate change.

So, burning question is which organization is promoting that climate change is natural and what is their motive behind this. Answer is big oil and fossil fuel companies and their whopping amount of profit.

These oil companies has spent hundreds of millions of dollars on propagating and promoting global warming is natural with help of some 'junk-science'. (Friends of the Earth, Australia, 2023)

This Data Visualization is published by Forbes, on 25th march, 2019. BP has spent most 53 million dollar followed by shell on climate lobbying. Top five publically owned oil and gas companies spend about 200 million dollars on lobbying to control climate change policies and to promote unappropriated climate change angle to mislead the world. This leads government to struggle to implement policies to achieve climate change targets decided in Paris Agreement. (McCarthy, 2019)

Government Role (images - (unknown, ExxonMobil's European Lobby Efforts and Think Tank Funding for Climate Denial, n.d.)) , (Friends of the Earth, Australia, 2023)

Government don't take strict actions against oil and gas companies as governments get high amount of revenue from them and donations for their political party.

How to make change (image - (unknown, International Days, n.d.))

We should not be brainwashed by false propaganda of oil companies. It is time that Governments should take strict actions against these lobbying and false promoting as immediate effect and start to invest billions of dollars in the renewable energy sources to reduce and eliminate fossil fuel not only for better future but for existence of mankind. We have be our own rescuer.

References

- BERARDELLI, J. (2020, 02 27). *10 common myths about climate change — and what science really says*. Retrieved from CBS NEWS: <https://www.cbsnews.com/news/climate-change-myths-what-science-really-says/>
- Charlton, E. (2019, 09 26). *These are the places with the most climate change deniers*. Retrieved from World Economic Forum: <https://www.weforum.org/agenda/2019/09/places-with-most-climate-change-deniers/>
- Friends of the Earth, Australia. (2023, Dec 23). *The Climate Change Hoax – The Greatest Hoax of All?* Retrieved from Friends of the Earth, Australia: https://www.foe.org.au/the_climate_change_hoax_the_greatest_hoax_of_all
- HAUSFATHER, Z. (2017, 12 30). *Analysis: Why scientists think 100% of global warming is due to humans*. Retrieved from Carbon Brief clear on climate: <https://www.carbonbrief.org/analysis-why-scientists-think-100-of-global-warming-is-due-to-humans>
- Lee, H. (2020, 07 21). *How Earth's Climate Changes Naturally (and Why Things Are Different Now)*. Retrieved from Quantamagazine: <https://www.quantamagazine.org/how-earths-climate-changes-naturally-and-why-things-are-different-now-20200721/>
- McCarthy, N. (2019, 03 15). *Oil And Gas Giants Spend Millions Lobbying To Block Climate Change Policies*. Retrieved from Forbes: <https://www.forbes.com/sites/niallmccarthy/2019/03/25/oil-and-gas-giants-spend-millions-lobbying-to-block-climate-change-policies-infographic/?sh=968494b7c4fb>
- NASA. (n.d.). <https://climate.nasa.gov/faq/14/is-the-sun-causing-global-warming/>. Retrieved from NASA global climate change: <https://climate.nasa.gov/faq/14/is-the-sun-causing-global-warming/>
- Roser, H. R. (n.d.). *CO2 emissions*. Retrieved from Our World in Data: <https://ourworldindata.org/co2-emissions>
- unknown. (n.d.). *ExxonMobil's European Lobby Efforts and Think Tank Funding for Climate Denial*. Retrieved from Desmog: <https://www.desmog.com/exxonmobil-s-european-lobby-efforts-and-think-tank-funding/>
- unknown. (n.d.). *International Days*. Retrieved from Pinterest: <https://www.pinterest.com.au/pin/8514686778044688/>