

Energy transition tanzania

The nation's switch to sustainable energy might stop the rise in temperatures, which is primarily due to fuel combustion

Dar es Salaam. Experts identified the primary driver of climate change as human activity. The majority of these activities involve the combustion of fossil fuels and the conversion of land for deforestation, farming and other land-use modifications like settlement.

The "Theme Report on Energy Transition towards the Achievement of SDC 7 and Net-Zero Emissions of 2021" noted that burning fossil fuels produces carbon dioxide, a greenhouse gas.

The earth becomes warmer due to the greenhouse effects of carbon dioxide, much like a greenhouse is warmer than its surrounds.

The primary contributor to climate change caused by humans is carbon dioxide. It hangs around in the air for a very long period.

The atmosphere retains other greenhouse gases, such nitrous oxide, for a very long time. Only temporary effects are produced by other substances.

The Intergovernmental Panel on Climate Change (IPCC) has found in yet another study that emissions from fossil fuels are the primary driver of global warming. Fossil fuels (coal, oil, and natural gas) and industry accounted for 89 percent of the world's carbon emissions in 2018.

A fossil fuel, coal is the dirtiest of them all, contributing more than 0.3 degrees Celsius (C) to the 1C rise in average world temperatures.

This makes it the main contributor to the rise in global temperatures.

The IPCC also noted that burning oil results in significant carbon emissions, accounting for around one-third of global carbon emissions.

As opposed to coal and oil, natural gas is frequently touted as a cleaner energy source. Natural gas, which contributes about one-fifth of all global carbon emissions, is still a fossil fuel.

For this reason, the emphasis is shifting away from using fossil fuels or mitigation resources to slow down the rapid rise in global temperature (climate change).



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