

# Impact of non-renewable energy on the environment

This study investigates the dynamic impact of non-renewable energy (coal, gas, and oil), renewable energy, economic growth, and capital formation on CO<sub>2</sub> emissions and the ecological footprint in Indonesia spanning from 1965-2022.

The environmental impact of non-renewable energies: climate change and more. The global temperature rise is just one of the environmental impacts of non-renewable energies on the planet. If we want to comply with the Paris Agreement and prevent the global temperature from increasing by more than 2°C this century, it is essential that 60 % of ...

The study findings reveal a positive relationship between non-renewable energy sources and CO<sub>2</sub> emissions, whereas renewable energy sources contribute to economic development and mitigate environmental pollution, as evidenced by their positive relationship

3 &#183; Udeagha MC, Ngepah N. Disaggregating the environmental effects of renewable and non-renewable energy consumption in South Africa: fresh evidence from the novel dynamic ARDL simulations approach. *Econ Change Restruct* 2022; 55: 1767-1814.

The substitution of non-renewable fuels with clean energy sources stands as an efficacious approach to curtailing atmospheric pollution and the concomitant external expenses.

This paper investigates the relationship between carbon emissions (CO<sub>2</sub>) and RE use, considering Non-renewable Energy (NRE) and macroeconomic variables such as Foreign Direct Investment, Gross Domestic Product, and Trade in eight major polluting nations from 1990 to 2019, constrained by data idiosyncratic features.

The current study has taken the electricity production from oil, coal and nuclear as the measurement of energy production, while fossil fuel energy consumption and energy use have been taken as the measurement of energy usage, and energy import has been

In this study, we aimed to examine the impact of renewable and non-renewable energies on carbon neutralisation in China, motivated by China's 14th Five-Year Plan (2021-2025) for implementing "Dual-control" to achieve an energy consumption cap and a decline in energy intensity of GDP.

Highlights. o. Examines the impact of electricity from renewable and non-renewable sources on energy poverty and GHGs in 92 countries. o. GMM and SELPDM dynamic panel data estimators are employed. o. Electricity from coal is an unsustainable option in tackling energy poverty and GHGs. o.

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