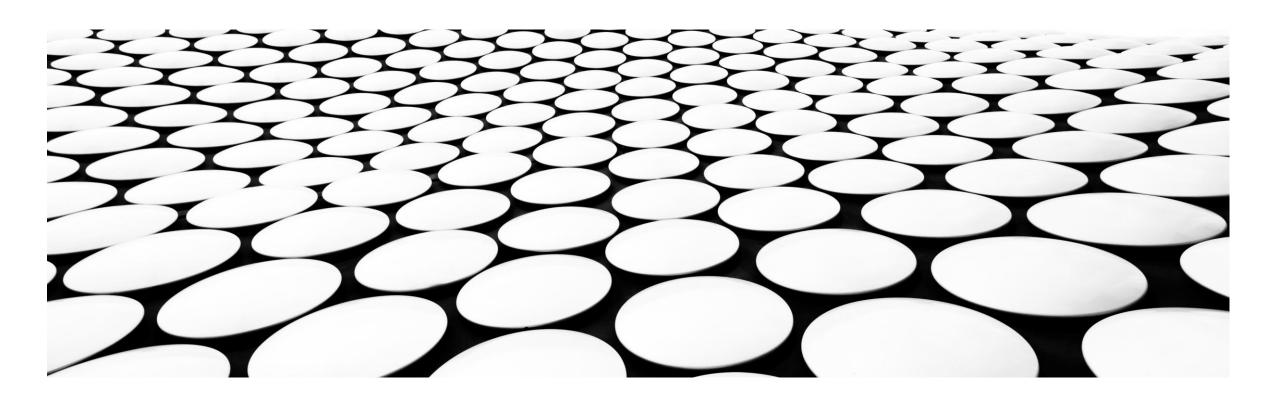
ENERGIZING ECONOMIES: THE IMPACT OF RENEWABLE ENERGY ADOPTION ON NATIONAL ECONOMIC GROWTH



INTRODUCTION

The paper examines how the transition from traditional fossil fuels to renewable energy sources influences the economic growth job creation and prices in various countries.

Significance- of this research lies in its potential to inform policy decisions and investment strategies in the energy sectors

LITERATURE REVIEW STUDY OF RENEWABLE AND NON RENEWABLE ENERGY IN ASIAN COUNTRIES

Renewable energy

 Green bonds, reduction of green house gas emissions, and green economic development as crucial factors driving the development of green finance and renewable energy production Non-renewable and Renewable energy environmental implications

Environmental pollution.

Renewable energy, economic growth and CO2 emissions in African oil-producing countries,.

-This research underscores the potential of renewable energy in driving economic growth while mitigating environmental impacts in these economies.

-The study's focus on the unique context of African oil- producing countries adds valuable insights to the literature on renewable energy and sustainable development.

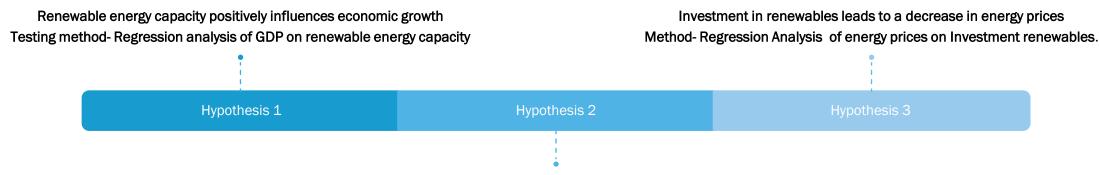
DATA SOURCES

- International Renewable Agency –includes detailed information on renewable energy capacity and use worldwide covering 2013-2021 for actual power generation across over 150 countries and areas.
- DATA LIMITATIONS- Variations in data collection methods across different countries and sources may affect the uniformity of data.
- The data set does not capture the latest developments in the rapidly evolving renewable energy sector, given the lag in data reporting.
- The exclusion of certain renewable energy resources, such as pumped storage in total renewable calculations, may impact the comprehensiveness of the data representation.

METHODOLOGY

- Primary Method regression analysis
- Model specification
- Variable selection: Independent variables include renewable energy capacity (MW) renwable energy generation(
 GWH) and investments in renewables(USD)
- Data source Data for these variable are sourced form the IRENA datasets and world bank statistics

METHOD TESTING



Description Increased Renewable energy generation leads to job creation in the sector

Regression Analysis -of Job Creation on Renewable energy Generation on Renewable Energy Creation.

JUSTIFICATION FOR METHODOLOGY

- Hypothesis 1:Positive relationship between renewable energy capacity and economic growth
- Hypothesis 2- Positive correlation between renewable energy generation and job creation
- Hypothesis 3- Impact of investment in renewable energy on prices
- Detailed regression Analysis
- Model specification
- Model fit
- Coefficient
- Statistical significance: All coefficients were statistically significant reinforcing the reliability of the findings.

INTERPRETATION OF FINDINGS

- The Findings from the regression analysis and hypothesis testing provide compelling evidence of positive economic impact of renewable energy adoption.
- The positive correlation between renewable energy capacity and economic growth suggest that investments in renewable energy can stimulate economic activity
- The significant relationship between renewable energy and job creation underscores the role of renewable energy in fostering employment opportunities

OVERALL CONCLUSIONS

- IMPLICATIONS OF FINDINGS
- LIMITAITONS AND FUTURE RESEARCH