

Assessment of the Relationship Between Energy Price Dynamics and Green Growth in Sub-Saharan Africa

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Abstract : The paper examines the relationship between energy price dynamics and green growth in Sub Sahara African Countries. The quest for adopting green energy in order to improve the green growth that can engender sustainability, and stability has received more attention from researchers in recent times. This study uses a panel Autoregressive distributed lag approach to investigate this relationship. Findings from the result showed that energy price dynamics and exchange rate have more short-run significant impacts on green growth in individual countries rather than the pooled result. Furthermore, the long-run result confirmed that inflation and capital have a significant long-run relationship with green growth. The causality test result revealed the existence of a bi-directional relationship between green growth and energy price dynamics. The study recommends caution in a currency devaluation and improvement in renewable energy production in the Sub Sahara Africa in order to achieve sustainable green growth.

Keywords : green growth, energy price dynamics, Sub Sahara Africa., sustainability

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