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TITLE: SPATIAL INTERACTIONS BETWEEN ENERGY AND ENERGY-INTENSIVE SECTORS IN THE BRAZILIAN ECONOMY: AN INTERREGIONAL INPUT-OUTPUT ANALYZES

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ABSTRACT:

The objective of this paper is to analyze the spatial interactions between the energy and the energy-intensive sectors in the Brazilian economy in an interregional input-output perspective. Energy sectors in Brazil have been under reform in the recent years and are strongly regulated by the government. Apart from the fact that energy is primary input to economic activity, energy-intensive sectors historically play an important role in the Brazilian economy. In this context, energy dependence relations are important to evaluate the impacts of energy policy. In addition, the spatial structure of the Brazilian economy is considerable heterogeneous. All these elements make the knowledge about the spatial interactions between energy sectors and energy-intensive sectors fundamental information to evaluate the regional impacts of energy policies. These interactions will be extracted through the standard multiplier analyses and linkage indices using a 30 sectors interregional input-out matrix for the Brazilian economy.