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TITLE: SECTORAL FORECAST AND IMPACTS IN THE ELECTRICAL ENERGY CONSUMPTION IN BRAZIL: AN INTEGRATED APPROACH (ECONOMETRIC + INPUT-OUTPUT) FOR 2009 - 2014

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ABSTRACT:

This paper proposes a new approach to study electrical energy in Brazil that consists on an integration of econometric models (EC) and input-output models (IO). The integration is through the macroeconomic aggregates. The first step is the estimation of three macroeconomic aggregates (household consumption, exports and imports) for 12 sectors. The second step is using this estimative to verify the impacts of macroeconomic aggregates in the input-output structure. This step will enable us to have sectoral estimations for the final demand components for the period 2009 - 2014. We can highlight that exports is the final demand component that cause more pressure in the sectors in terms of electrical energy consumption for the period. On the other hand, we verify that imports are a slow down in the pressure of the Brazilian electrical energy sector.