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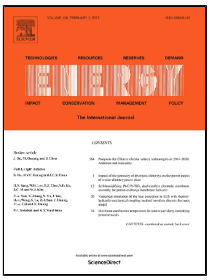

Electricity consumption forecasting in Brazil: A spatial econometrics approach

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Highlights

- The regional electricity consumption in Brazil is spatially correlated.
- A forecasting method that considers the spatiotemporal dynamics is proposed.
- A comparison between ARIMA and Spatial ARIMA (ARIMASp) models was made through forecasting performance.
- Spatial-temporal model improve forecast accuracy of electricity demand in Brazil.
- Spatial models must be used as forecasting tools to the Brazilian Electric Sector.

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