

The energy consumption and the CO₂ emissions in different income class in Sao Paulo state and rest of Brazil: The IRIO approach

Topic: Environmental Input-Output Modeling

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The main propose of this study is to analyze the consumption of different types of energies and the level of CO₂-eq emission per different income class in Sao Paulo State and the Rest of Brazil. We distinguish household in twelve classes of income for year of 2008, with estimated levels of energy consumption and emissions through the construction of interregional input–output model reconciliation of the National Energy Balance. We found that classes with higher income tend to consume more of the sectors that have the highest rate of efficiency of energy and carbon emission. The Household in Sao Paulo state have the major impact in the energy demand and CO₂-eq emission. But the energy demand and the CO₂-eq emissions by monetary unit are biggest in the smaller income class.