## Supply and Use Tables at the Municipal Level for Prospecting Electricity Markets

Topic: Regional input-output modeling VI Author: Paulo de Tarso Gaeta Paixao

Co-Authors: Carlos R Azzoni, Joaquim Jose Martins Guilhoto

The present paper is a report on the results of a research carried out in partnership between a Brazilian company of electricity generation and distribution, CPFL, and the Department of Economics at the University of São Paulo (FEA/USP) in Brazil. The project was financed by ANEEL, the Brazilian regulatory agency for electricity generation and distribution, and had as a result an input-output model which improves the impact assessment of structural economic changes on the consumption of electricity by taking into due account the diversities of regional development. By tailoring the supply and use tables and the results in function of the regional boundaries of the CPFL area of operation, and of its "geoelectrical sub-regions", the identification of direct and indirect changes on electricity consumption accruing from alternative regional development scenarios was made possible, including the effects of changes outside the Company area into its electricity market. An account of the model theoretical structure, which involved the construction of supply and use tables at the Brazilian municipal level, is provided. The model is already part of the market prospecting methodology of the utility company, and some practical examples of its applicability are given in the text.