

Bioethanol Science and Technology Center



Research Program on Sustainability of Bioethanol: Socio Economic Impacts

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The main goals



- The short term priority of this project is to focus on the local impacts in the areas where the sugar cane and ethanol production is taking place and on the social groups directly involved with the production.

On the short term, there are four main research lines:

- a) Identification of the socio economic impacts – positives and negatives – of the sugarcane and ethanol production activities: evaluation will be based on the quality of life and income distribution indicators in the counties where the production is taking place.
- b) The same, but with the evaluation based on input-output matrix model.
- c) Identification of the impacts of the sugarcane and ethanol production on a new area (no past production).
- d) Assessment of the working conditions in the sugarcane and ethanol production.

Who will do the work



- Two first topics (a and b): CTBE group.
- Two last topics (c and d): CTBE partners.

Questions to be answered: Topic a



- Among the counties where sugarcane is an important there are some that have better quality of life than the others; which are the factors that explain these differences?
- What are the impacts of the degree of production chain integration (higher or lower concentration of the cane production) on the quality of life indicators?
- What are the impacts on the quality of life indicators from diversification of the economic activities in the area (degree of importance of sugarcane as an economic activity)?

Questions to be answered: Topic b



- Can input – output matrix models provide reliable results in the evaluation of sugarcane activities local impacts? What is the highest level of space detailing that can be used?
- Is it possible to reproduce what happened in a certain period of time? If yes, can the models be used to predict the future expansions, with the displacement of other agriculture activities?
- Can future changes in the production process be introduced and simulated in the model?

Topics c and d



The partnerships to cover these topics are still being discussed and some details may be presented during the workshop by the potential partners.

First year results



- Topic a results for the States of São Paulo, Goiás and Alagoas.
- Some preliminary results from the input – output matrix model results.

Following presentations



- Semida Silveira (KTH Sweden): Socio economic aspects of biofuels production: what are the concerns in Europe?
- Marcel Gomes: NGO Reporter Brasil's experience on monitoring social impacts of ethanol
- Marcia Azanha: Social externalities of different fuels in Brazil
- Gerd Sparovek: Sugarcane integration to other agricultural activities



Thanks for your attention!!
Questions?