

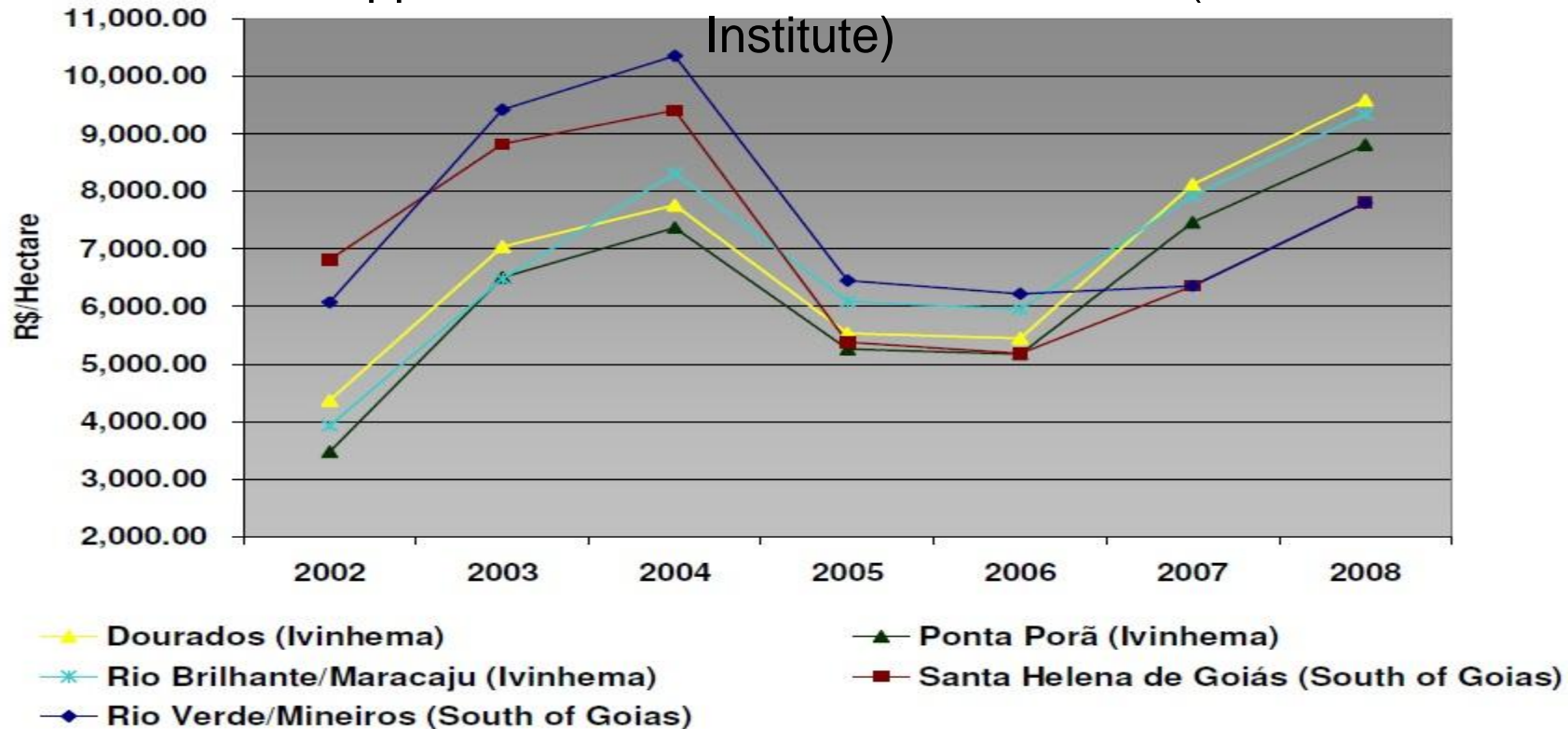
“Food x Fuel: A Debate in Search of Scientific Precision”



Coordinator of Bioenergy and Sustainability
Program www.4cantosdomundo.org.br

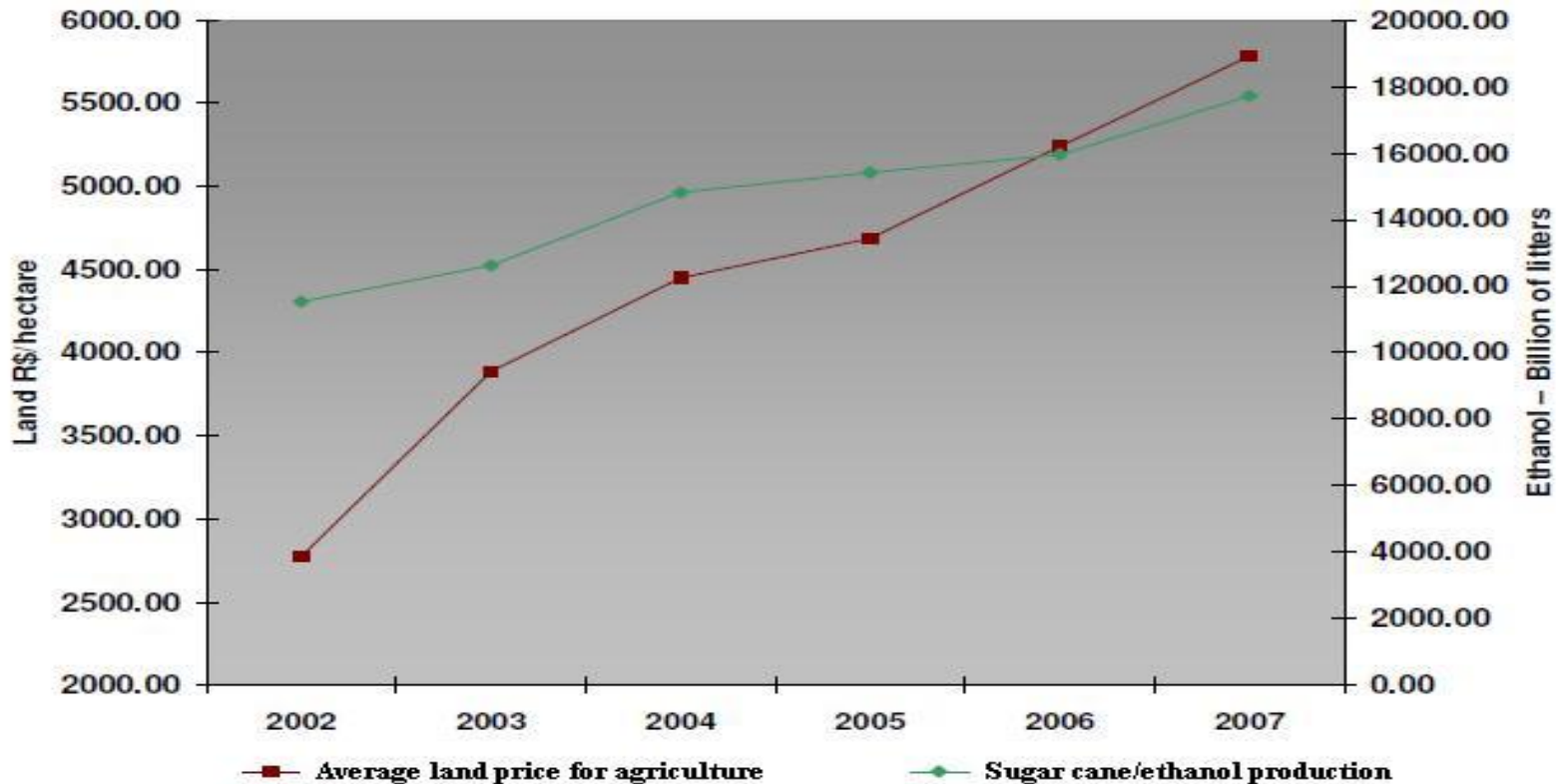
Macroeffects on Biofuels Production in Brazil (2009)

Average land price in major soybean-producing counties of the Ivinhema Upper Basin and South of Goiás State (Source: FNP



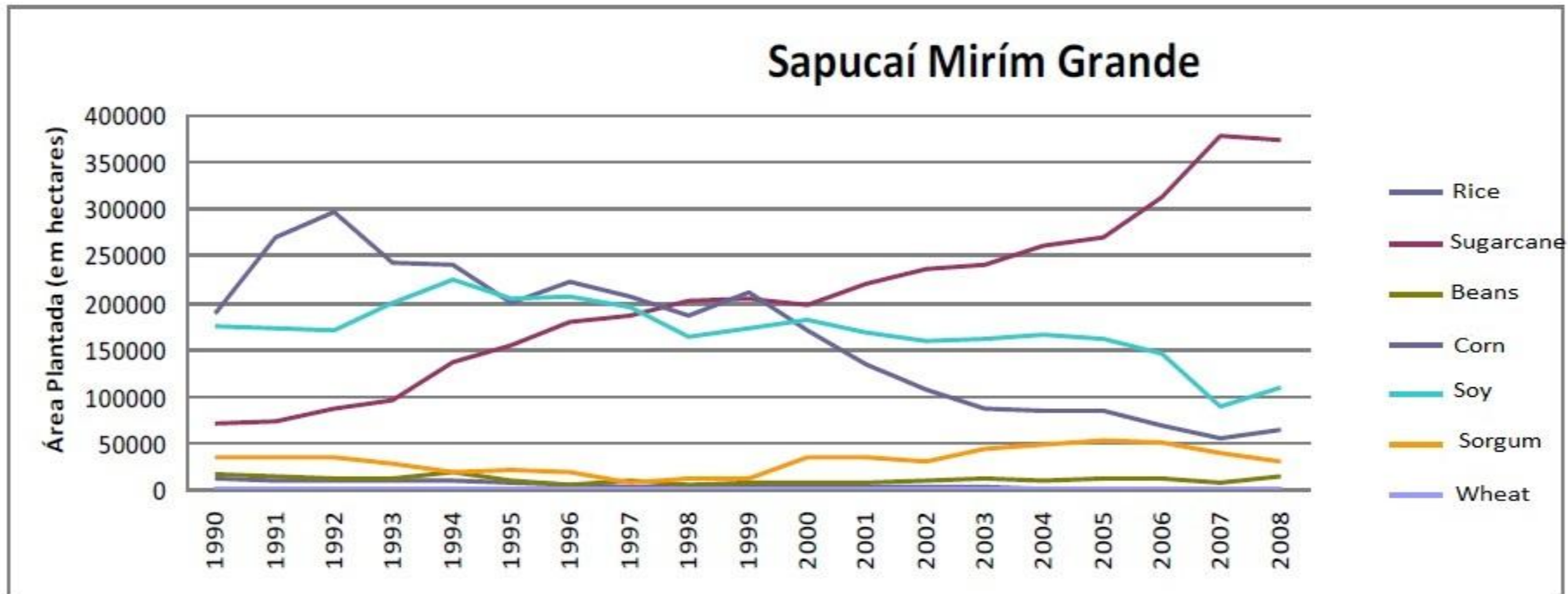
Macroeffects on Biofuels Production in Brazil (2009)

Average land price for farming and for ethanol production
(Source: Ministry of Agriculture and Getúlio Vargas Foundation)



Diagnose of Sugar Cane impacts in Rio Grande River Basin (2010)

Temporary crop acreage from 1990 to 2008 (Source: IBGE)



SABB- Sustainable Aviation Biofuels Brazil (2013)

Main findings from Regional Outreaches

There is a lack or inefficiency of technical assistance to small and medium producers.

There is a need to extend the study to the new availability of regional raw materials.

There is a need of better education in the form of rural outreach and better access to financing resources.

It is important to strength cooperatives and other producers associations (scale up production).

Need of land use optimization ("vertical" growth productivity).

Necessity to explore further the potential of family farming in the production of biofuels.

Biofuels and food security

A report by

The High Level Panel of Experts

on Food Security and Nutrition

June 2013



There is a general agreement on the fact that **biofuels played an important role in the recent food price increase**, even if its extent depends on feedstocks and is still discussed.

Biofuels and more generally bioenergy **compete for land and water with food production.**

As for any agricultural production, the **efficiency of the feed and technology**, the yield, **is crucial to better use land and reduce the need for additional land.**

Competition for land and water has to be appraised and managed at local level. The **issue is not only food availability. It is access** to resources in order to be able to make a living, produce or buy food.

Thank you!



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