

GTAP Related Activities

Below is a short summary on GTAP related research activities by Thünen Institute in 2014/2015.

Staff

Currently eight researchers are involved in CGE related activities: Martin Banse, Aida Gonzalez, Franziska Junker, Sandra Marquardt, Janine Pelikan, Andrea Rothe, Petra Salamon, Verena Wolf.

Publications

JUNKER F, WOLF V, MARQUARDT S, VON LEDEBUR O (2015) Changes to EU Biofuel Policy – Turmoil on Feedstock Markets?. ICEA 2015 contribution.

JUNKER F, GOCHT A, MARQUARDT S, OSTERBURG B, STICHNOTHE H (2015) Biofuel sustainability requirements – the case of German rapeseed biodiesel. (submitted to *German Journal of Agricultural Economics* in April 2015; Status: pending)

PELIKAN, J , BRITZ W. and HERTEL, T. (2014): Green Light for Green Agricultural Policies? An Analysis at Regional and Global Scales. *Journal of Agricultural Economics* 66(1) pages 1-19.

ROTHE A, BANSE M (2014) "Effects of the changing Energy Policy on the German Economy". 17th Annual Conference on Global Economic Analysis, *New Challenges in Food Policy, Trade and Economic Vulnerability*, June 18-20, 2014 / Dakar, Senegal.

THRÄN D, PFEIFFER EM, ARENDT O, POINITKA J, BRAUN J, MILLINGER M, WOLF V, BANSE M, SCHALDACH R, SCHÜNGEL J, GÄRTNER S, RETTENMAIER N, HÜNECKE K, HENNENBERG K, WERN B, BAUR F, FRITSCH U, GRESS HW (2015) Meilensteine 2030 : Elemente und Meilensteine für die Entwicklung einer tragfähigen und nachhaltigen Bioenergiestrategie ; Endbericht zu FKZ03KB065, FKZ 03MAP230. Berlin: Bundesministerium für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB), SchrR Förderprogr Energ Biomassenutzung 18

Projects

1. BMEL (Federal Ministry of Food and Agriculture) project to analyze the effects of regional trade agreements on the German and European agricultural sector.
2. MACSUR („Modeling European Agriculture with Climate Change for Food Security”). The project is a JPI (Joint Programming Initiative) by the EU but is funded at the national level. It consists of more than 60 working groups from 14 European countries with the Thünen Institute being its main coordinator. www.macsur.eu
3. Project analyzing the impact of different assumptions on the development of macroeconomic, agronomic and policy indicators on global agricultural markets. To this end, further disaggregation of the cereal and oilseed sectors have been carried out.
4. Ph.D. project: The project focuses on the development of a detailed single country CGE model for Germany based on the STAGE model. One of the main challenges is the development and disaggregation of a Social Accounting Matrix (SAM) for Germany. The distinctive features of the model derive from the focus of the analyses being on the impact of agricultural and energy policies on all parts of the economy: in particular the agricultural, food and energy sectors will be modeled at a more disaggregated level than in the standard national accounts database.
5. Analysis of impacts of bioenergy production on land markets, trade and food security in a global context within the BMWi (German Federal Ministry for Economic Affairs and Energy) financed project “development of elements and milestones of a sustainable bioenergy strategy”.
6. AGRICISTRATE (Agriculture and trade development in EU’s Eastern Neighbors) is a FP7 project. Within the project MAGNET will be linked to a partial equilibrium model and trade analysis between the EU and its Eastern Neighbors will be carried out.

Other Activities

Cooperation with the LEI and IPTS to further develop MAGNET (GTAP based model with extensions added in a modular structure).