

GTAP Related Activities



The Johann Heinrich von Thünen-Institut (vTI) was founded in January 2008. It evolved from the German Federal Research Centre for Fisheries, the German Federal Research Centre for Forestry and Forest Products and parts of the German Federal Agricultural Research Centre (FAL). The vTI (FAL) has been a member of the GTAP consortium since 1999 and uses GTAP for a range of research activities including issues related to EU agricultural policy and international trade in agricultural and food products and environmental issues.

Below is a short summary of GTAP related research activities of the vTI (FAL) in 2008/2009.

Publications:

BROCKMEIER, M. and PELIKAN, J. (2008): Agricultural Market Access: A Moving Target in the WTO Negotiations, *Food Policy* 33: 250-259.

BROCKMEIER, M., KLEINHANß, W. and OFFERMANN, F. (2008): The challenges of model based policy advice. *Agrarwirtschaft* 57 (1). 386-390.

BROCKMEIER, M. und URBAN, K. (2008): Assessing the Impacts of Agricultural Policies on the Global, National and Farm Level - A Survey of Model Systems Paper presented at the 11th Annual Conference on Global Economic Analysis, 2008, Helsinki, Finland

JENSEN, H. G., URBAN, K. and BROCKMEIER, M. (2009): OTDS Reductions in the GTAP Database/Model: What can be done and how? Paper to be presented at the 12th Annual Conference on Global Economic Analysis, 2009, Santiago, Chile

PELIKAN, J. and BROCKMEIER, M. (2008): Methods to Aggregate Import Tariffs and their Impacts on Modeling Results, *Journal of Economic Integration* 23(3): 685-708.

PELIKAN, J. and BROCKMEIER, M. (2008): Tariff Aggregation and Market Access: An Empirical Assessment for Canada and the EU, *Canadian Journal of Agricultural Economics* 56: 413-427.

PELIKAN, J. and BROCKMEIER, M. (2008): Wohlfahrtswirkungen einer Handelsliberalisierung: Welchen Einfluss hat die Zollaggregation auf die Modellergebnisse? Welfare effects of trade liberalization: How does the method to aggregate tariffs influence the results of a model? GeWiSoLa, September 2008, Bonn.

OFFERMANN, F., BROCKMEIER, M., GÖMANN, H., KLEINHANß, W., KREINS, P., VON LEDEBUR, O. OSTERBURG, B., PELIKAN, J. and SALAMON, P. (2009): vTI-Baseline 2008, *Landbauforschung vTI Agricultural and Forestry Research*, Special Issue 325.

Projects:

1. BMELV (Ministry of Food, Agriculture and Consumer Protection) project to implement tariff cuts at the negotiation level. Main activities:
 - Develop a SAS based tool for a flexible calculation of WTO tariff cuts in the tariff data base at the 6-digit HS level.
 - Analyze the impacts of different tariff aggregation methods (import weighting, TRI, MTRI) and includes these options in the SAS tool.
 - Project to analyze the effects of sensitive products in the WTO negotiations using the TASTE programme.

2. DFG (German Research Community; Deutsche Forschungsgemeinschaft) Research Group project: Effects of the WTO Negotiation on Global, National and Farm Level. Main activities:
 - Extensions of the GTAP to improve the modeling of domestic support, particularly AMS.
 - Extensions of FARMIS (Farm Modeling Information System; a sector model which is highly differentiated at the farm level) to better capture structural change (termination and acquisition of farms)
 - Development of a consistent interface between GTAP and FARMIS including a further disaggregation of the GTAP data base.

3. BMELV (Ministry of Food, Agriculture and Consumer Protection) project to implement Bioenergy in GTAP. Main activities:
 - Disaggregation of commodity markets employed in bioenergy production and corresponding adaptation of the GTAP model
 - Implementation of national, EU and international bioenergy policies

4. DAAD (German Academic Exchange Service) and CONACYT (Mexican National Science and Technology Council) Ph.D.-Project: Trade Liberalization, Poverty and Household Analysis. The Case of Mexico. Main activities:
 - Extension of GTAP to disaggregate private household demand into different household categories for Mexico
 - Development of a module for the assessment of changes in poverty levels in developing countries

Lectures:

- BROCKMEIER, M. (2009), vTI, Braunschweig: Promotionskolleg Agrarökonomik, November 24th to 28th
- PELIKAN, J. (2009), Justus Liebig University of Giessen, Module: EU-Agricultural and Food Policy, Lecture: The GTAP Model and Applications, January, 27th.
- PELIKAN, J. (2009), vTI, Braunschweig: Promotionskolleg Agrarökonomik, November 24th to 28th.

Presentations:

- BROCKMEIER, M. (2008), The challenges of model based policy advice. XII EAAE Conference in Ghent, Belgien, August 26th to 29th, 2008.
- BROCKMEIER, M. (2008), Global Economic Analysis: An Application of the GTAP Model to Assess the WTO Negotiations. Workshop zum Projekt Modern Agriculture in Central and Eastern Europe (MACE), Warschau, Polen, Juli, 22th to 24th, 2008.
- GONZALEZ-MELLADO, A. (2008) "Analysing household expenditure with an extended version of the GTAP model: The case of Mexico". Presented at the 11th Annual Conference on Global Economic Analysis, June, 2008 in Helsinki, Finland.
- GONZALEZ-MELLADO, A. (2008), Free trade agreements and households in Mexico – A comprehensive welfare analysis". Presented at the II Regional Meeting on Computable General Equilibrium (CGE) Modeling in Latin America, November, in Alajuela Costa Rica.

- PELIKAN, J. (2008): Wohlfahrtswirkungen einer Handelsliberalisierung: Welchen Einfluss hat die Zollaggregation auf die Modellergebnisse? Welfare effects of trade liberalization: How does the method to aggregate tariffs influence the results of a model? GeWiSoLa, September 2008, Bonn.
- PELIKAN, J. (2009): Quantitative Analysen zu den WTO-Agrarverhandlungen der Doha-Runde, Quantitative impact analyses of the WTO agricultural negotiations in the Doha Round, Disputation, May, 25th.
- URBAN, K. (2008): Assessing the Impacts of Agricultural Policies on the Global, National and Farm Level - A Survey of Model Systems, July 3rd.
- URBAN, K. (2009): Aggregate Measurement of Support versus Producer Support Estimate: How to model domestic support in GTAP? January, 29th.