

The GTAP Advisory Board Meeting, June 2001

Danish Institute of Agricultural and Fisheries Economics (SJFI)

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The Danish Institute of Agricultural and Fisheries Economics, Agricultural Policy Research Division, has been a member of the GTAP Consortium since 1995 and has contributed to and utilized the products of the Global Trade Analysis Project since then.

Contributions to the GTAP database the last year

- Discussed and contributed to the representation of the domestic support in Agriculture in the GTAP database (by Hans G. Jensen and Søren E. Frandsen)
- Contributed a new SAM for Vietnam (by Chantal P. Nielsen)
- Earlier contribution of a Danish Input-output table (Lars-Bo Jacobsen)
- Developed a simple procedure to evaluate the intermediate input-output flows in the GTAP database (by Wusheng Yu)
- Quality checking by using the re-release of the database (by Hans G. Jensen, Wusheng Yu, Chantal P. Nielsen and Søren E. Frandsen).

Research topics

SJFI research (with relevance for GTAP) has during the last year focused at:

- European Enlargement and CAP reform: Policy issues, quantitative analysis and modeling aspects.
- The WTO Trade negotiations (Research project with IFPRI), see www.sjfi.dk
- The Economic Impacts of Gene Modified Organisms
- Analysis of the long term prospects for the Danish Food Industry – A global analysis
- Estimating behavioral parameters for CGE-models using econometrically estimated flexible forms.
- Parameterising CGE models: Estimating Danish import demand elasticities using co-integration techniques and sensitivity analyses using bootstrapping.
- Long-run behaviour and uncertainty in World Cereal Markets
- Economic modelling of Organic farming: Data and modelling issues
- Supply-Side Issues in Developing Country Agriculture (Ph.D. thesis)

Besides these activities SJFI has in cooperation with 9 European partners participated in the EU financed FAIR Concerted Action Project: "Assessment of the GTAP modeling framework for policy analysis from a European Perspective". This project has involved a review a number of trade models, including the GTAP model and its database. The policy perspectives of the project are European Enlargement, WTO negotiations, reforms of the Common Agricultural Policy and the Environment.

Recent publications (of GTAP relevance)

Year 2001

Adams, P., L.T. Hansen and L-B. Jacobsen (2001), Does timing and announcement matter? Restricting the production of pigs within a dynamic CGE model, Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Anderson, Kym, Chantal Pohl Nielsen, Sherman Robinson and Karen Thierfelder (forthcoming 2001), Modeling the global market effects of GMOs: the importance of preferences and policy choices in *Market Developments for Genetically Modified Agricultural Products*, edited by V. Santaniello, R.E. Evenson and D. Zilberman, London: CABI.

Anderson, Kym and Chantal Pohl Nielsen (2001), GMOs, the SPS Agreement, and the WTO in *The Economics of Quarantine*, edited by Kym Anderson and C. McRae, Adelaide: Centre for International Economic Studies, and Canberra: Biosecurity Australia.

Anderson, Kym and Chantal Pohl Nielsen (forthcoming 2001), GMOs, Food Safety and the Environment: What Role for Trade Policy and the WTO in *Tomorrow's Agriculture: Incentives Institutions, Infrastructure and Innovations*, edited by G.H. Peters and P. Pingali, Aldershot: Ashgate.

Anderson, Kym and Chantal Pohl Nielsen (forthcoming 2001), Biotechnology, Trade, and Welfare: The Case of GMOs. Chapter 12 in *Trade and Agriculture*, edited by J. McMahon, London: Cameron.

Frandsen, S.E. and H.G. Jensen (2001), Economic Impacts of the Enlargement of the European Union. Analysing the importance of direct payments. Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Frandsen, S.E. and H.G. Jensen (2001), GTAP at Work in Denmark. Quantifying and Qualifying a Political Debate. Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Frandsen, S.E., H.G. Jensen and W. Yu (2001), Domestic Support in Agriculture. Version 5 of the GTAP database. The case of the European Union, Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Frandsen, S.E.; H.G. Jensen, W. Yu and A. Walter-Jørgensen (2001), Modelling the EU Sugar Policy – A preliminary study of policy reform scenarios, Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Nielsen, Chantal Pohl and Kym Anderson (forthcoming 2001), GMOs, Trade Policy, and Welfare in Rich and Poor Countries. Chapter in *Standards, Regulation and Trade*, edited by Keith Maskus and John Wilson, Ann Arbor: University of Michigan Press.

Nielsen, C.P. (2001), Social Accounting Matrix for Vietnam: 1996 and 1997, Danish Institute of Agricultural and Fisheries Economics, Working Paper no. 8/2001.

Walter-Jørgensen, A., and T.V. Jensen (2001), The CAP and the international trade negotiations, Danish Institute of Agricultural and Fisheries Economics, Report no. 123.

Walter-Jørgensen and T.V. Jensen (2001), EU trade with developing countries, Danish Institute of Agricultural and Fisheries Economics, Working Paper 07/2001.

Yu, W. and Bandara (2001), How Desirable is the South Asian Free Trade Area? A Quantitative Assessment, Paper presented to the Fourth Annual Conference on Global Economic Analysis, Purdue University, Indiana, USA, June 27-29, 2001.

Year 2000

Adams, P (2000), Dynamic AAGE, Danish Institute of Agricultural and Fisheries Economics, Report no. 115.

Bach, C. F. S. E. Frandsen and H.G. Jensen (2000), Agricultural and Economy-Wide Effects of European Enlargement: Modelling the Common Agricultural Policy, *Journal of Agricultural Economics*, Volume 51, Number 2, May 2000, pages 162-180.

Frandsen, S.E., H.G. Jensen, and D.M. Vanzetti, (2000), Expanding Fortress Europe, Agricultural Trade and Welfare, Implications of European Enlargement for Non-member Regions, *The World Economy*, Vol. 23, No. 3, March 2000.

Frandsen, S. E. and H.G. Jensen (2000) Economic Impacts of the Enlargement of the European Union Analysing the importance of direct payments, SJFI W.P. no. 15/2000, december 2000.

Frandsen, S.E. and M.H.J. Stæhr (2000), Assessment of the GTAP Modelling Framework for Policy Analysis from a European Perspective, Danish Institute of Agricultural and Fisheries Economics, Report no. 116.

Tongeren et al., Review of Agricultural Trade Models, An Assessment of Models with EU Policy Relevance, In Frandsen and Stæhr (2000), and in Proceedings of the 65th European Seminar of the European Associations of Agricultural Economist (EAAE), Wissenschaftsverlag Vauk, Kiel, 2001.

Frandsen, S.E., C.P. Nielsen, M.H.J. Stæhr, H.G. Jensen, T. Ratering and K. Thomson, Assessment of the Usefulness of GTAP for analysing the EU Enlargement, In Frandsen and Stæhr (2000).

Frandsen, S.E. and L.B. Jacobsen (2000), Economic Effects of a Ban on Pesticides in Danish Agriculture. A CGE Model Analysis. Article presented at the *III International Weed Science Congress, Iguassu Falls, Brazil, 6-11 June 2000*.

Lind, K. M and S.E. Frandsen: Estimating Food Demand Behaviour – The Case of India. Proceeding of *the Third Annual Conference on Global Economic Analysis, Monash University, Australia, June 2000*.

Nielsen, C.P., S.E. Frandsen and M.H.J. Stæhr (2000), co-author of F. van Tongeren and H. van Meijl (eds.), Review of applied models: an assessment of models with EU policy relevance. *Paper prepared for the 65th EAAE Seminar held in Bonn, March 2000 and the Third Annual Conference on Global Economic Analysis, Melbourne, Australia, June 2000*.