

LEI

GTAP activities LEI, 2000

The Agricultural Economic Research Institute (LEI) has been a member of the GTAP consortium since November 1996. We use GTAP for a variety of research related to international trade in agri-food products. A summary of our activities over 2000:

Consortium related

- Finalization of EU DG VI and DG XI funded concerted action project: "Assessment of the GTAP modelling framework for policy analyses from a European perspective". This project had 10 European partners who (potentially) use GTAP. Besides LEI, there are 3 more consortium members involved (SJFI, FAL and Joe Francois). LEI has coordinated this effort. We started February 1, 1999 and the project is officially finished January 2001. The project has resulted in a number of research papers, some of which have been presented at conferences and some have made it into the Journals. Two workshops have been held, one in Copenhagen and one in Rotterdam, which each attracted some 40 participants. The Copenhagen proceedings have been edited by SJFI (Soren Frandsen & Michael Staehr), and the Rotterdam proceedings are edited by LEI (Frank van Tongeren and Hans van Meijl). We are now planning to publish a book based on the results of the project: Preliminary title: Global Trade Analysis: European Policy Issues
- Construction of disaggregated IO tables for the EU15 for version 5 of the GTAP dataset. This is co-funded by EU DG XII (energy & environment) the Dutch Ministry of Agriculture and LEI. These tables are now used in GTAP version 5.3 (pre-release). We also delivered EU energy-IO tables to the funding agency. This table has been constructed using GTAP-E data.
- Hans van Meijl and Frank van Tongeren served as instructors on the 2000 GTAP short course. One LEI researcher (Frank Bunte) has attended the 2000 course, another one (Andrzej Tabeau) is planning to attend the 2001 edition. Frank van Tongeren has served on the conference organization board in 2000 and 2001.

Research involving GTAP in 2000

- WTO and developing countries: Policy research Dutch Ministry of Agriculture, focusing on North-South relations and food processing industries.
- China's food economy in the early 21st century (financed by Dutch Ministry of Agriculture). Partner: CCAP of Chinese Academy of Sciences (Jikun Huang). This project started in October 1999 and will continue until fall 2002. The project is preparing an 'Outlook' of the Chinese food economy until 2020 (another magic year). The GTAP contribution lies in providing an international trade dimension to the national projections. We are linking the CAPSIM model of CCAP to GTAP projections.
- Modelling the EU CAP. In the context of the GTAP-EU concerted action, we developed a number of extensions to the standard GTAP model, including the representation of intervention prices and production quota.
- EU enlargement: Policy Research Dutch Ministry of Finance and Ministry of Agriculture. Cost of EU enlargement under alternative WTO scenarios.
- Effects of further policy liberalisation on EU and Dutch agriculture. Dutch Ministry of Agriculture.
- WTO trade liberalisation and food security. Joint work with the OECD secretariat (directorare food, agriculture and fisheries). Effects of OECD trade liberalisation on food security in developing countries. The project employs OECD AGKLINK and GTAP as analytical tools.
- TRADEFLOW. This project seeks to develop new methods to visually present complex (trade) data and to help users in the analysis of data and simulation results. This work combines IT specialists, statisticians, GIS specialists and modellers. It is funded from Wageningen UR and GTAP. First results will be presented at the board meeting.

New and upcoming research

- Joint work with FAL Germany on modelling the EU CAP. (see board report by FAL)

- EU dairy policy reform. Policy research Dutch Ministry of Agriculture.
- WTO and Bangladesh. Joint work with IFPRI. Funded by Dutch Ministry of Foreign affairs and DIFID (UK).
- PROFETAS: A large multi-disciplinary project that studies the possibilities of protein crops as substitute for animal proteins in the human diet. Our part in this project is to look into the international trade implications. This project is funded by the Dutch Organisation for the advancement of Research (NWO).

GTAP papers 2000

Hans van Meijl and Frank van Tongeren (2001), Multilateral trade liberalisation and developing countries: A North-South perspective on agriculture and processing sectors. LEI report 60107.

Frank van Tongeren and Hans van Meijl, eds. (2001), European Policy issues in a global trade analysis framework, (proceedings GTAP-EU workshop held in Rotterdam, September 2000), LEI report 60106.

Frank van Tongeren, Hans van Meijl, Yves Surry, (2000) "Global models of trade in agriculture: a review and assessment", forthcoming as invited paper in *Agricultural Economics*.

Frank van Tongeren, Hans van Meijl, Paul Veenendaal, Søren Frandsen, Chantal Pohl Nielsen, Michael Stæhr, Martina Brockmeier, Dirk Manegold, Joseph Francois, Machiel Rambout, Yves Surry, Risto Vaittinen, Leena Kerkela, Thomas Ratinger, Kenneth Thomson, Bruno Henry de Frahan, Akka Ait El Mekki, Luca Salvatici (2000), "Review of agricultural trade models: an assessment of models with EU policy relevance", In: Heckeley, Witzke and Henrichsmeyer (eds.) , "Agricultural sector modelling and policy information systems", Kiel: Wissenschaftsverlag Vauk, (2001). (Proceedings of the 65th EAAE seminar, "Agricultural Policy Information Systems, Bonn, March 29-31 2000).

Brockmeier, M. Y. Surry and F.W. van Tongeren (2000) , Assessment of the usefulness of GTAP for analysing environmental issues in a multi-region context, in: S.E. Frandsen and M. Staehr, Assessment of the GTAP modelling framework for policy analyses from a European perspective, Copenhagen: SJFI report nr. 116.

Hans van Meijl, Frank van Tongeren (2000), "The Agenda 2000 CAP reform, World Prices and URAA GATT-WTO export constraints", Plenary paper presented at 3rd Annual Conference on Global Economic Analysis, June 27-30 2000, Melbourne Australia. (revised version submitted to Journal)

Tongeren, F.W. van, J. van Meijl, P. Veenendaal (2000), "Global effects of EU agenda 2000. Implications for the WTO negotiations and developing countries", The Hague: LEI, report no. 5.00.05.

Commissioned reports

Frank van Tongeren, Hans van Meijl, Ton de Kleijn (2000), Aanvullende berekeningen EU-landbouwuitgaven bij verschillende toetredingsscenario's. Commissioned report, Dutch Ministry of Finance.

Hans van Meijl, Frank van Tongeren, (2000), Verkenning van de effecten van een meer liberale omgeving voor agrarische markten: de wereld, de EU en Nederland. Commissioned report Dutch Ministry of Agriculture.

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