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 2005/06:

**Consortium related**
- Frank van Tongeren served as instructor on the 2005 GTAP short course. John Helming attended the 2005 course.

**People**
Unfortunately Frank van Tongeren left LEI for a position at OECD. Martin Banse, who delivered the IO data for Central and Eastern European countries to the GTAP database, from the University of Gottingen joined LEI. We now have five researchers actively involved in GTAP: Martin Banse, John Helming, Marijke Kuiper, Hans van Meijl and Andrzej Tabeau.

**Research involving GTAP in 2005/06**
- Policy research for The Netherlands: We have continued our work for the Dutch Ministry of Agriculture, Nature and Fisheries Management. GTAP input continues to be requested in CAP-WTO related projects, e.g. on EU sugar reforms. A large scale project at special request of minister Veerman used GTAP (and many other inputs) to develop a ‘vision on Dutch agriculture in 2020’. For development of spatial scenarios for food production and nature management, the model funnel was build consisting of GTAP, land allocation model for the Netherlands (Land Use Scanner) and the Dutch Regionalized Agricultural Model (DRAM).
- As part of the work for LNV LEI is working on a ‘tariff tool’, an easy to use interface for creating GTAP compatible scenarios using detailed tariff-line data (MacMap as well as other more detailed sources).
- LEI is one of the partners in the SCENAR2020 project. In this project the future of EU agriculture and rural development is central. GTAP will be used in combination with two EU agricultural models (ESIM and CAPRI).
- A new avenue has been opened over the past 3 years with joint work with RIVM and now expanded to include other collaborating institutions. This multidisciplinary work sets out to make scenario projections leading amongst other things to spatially explicit land use projections for EU 25 countries. In GTAP we applied among others a land supply curve and the AIDADS demand function. The EURURALIS project is widely considered to be a great success and has been presented to senior EU officials during meetings in the context of the Dutch EU presidency. This year EURURALIS II started. In this project CAP policies and biofuels will be central.
- LEI is contributing in 2005/2006 together with MNP (RIVM) to the development of OECD environmental Outlook.
- LEI has contributed to the Global Biodiversity Outlook in combination with MNP (RIVM).
- In 2005/2006 work on model linkages between GTAP and DRAM, a detailed partial equilibrium agricultural sector model was continued.
• One methodologically related large-scale project has started. The SEAMLESS project is funded through the EU FP6 as a so-called ‘integrated project’. GTAP will be used in several parts of this project: The GTAP model will be linked to the CAPRI model of EU agriculture. GTAP is providing the GE impacts.

• Adjusting GTAP model to better reflect developing country features. This work intends to use the new AEZ data of the Land use project to capture differences in production potential, especially water and temperature limitations. Next to AEZ data we are planning to work on unemployment, and limited supply responses (for example due to limited infrastructure hampering price transmission and availability of inputs)

• GTAP will be linked to national level CGE models of developing countries for poverty and sustainability analyses.

• The methodological work in SEAMLESS for developing countries will also provide the starting point for a second large-scale EU FP6 integrated project (LUPIS) which is expected to start in the fall of 2006. Here the focus will be on applying the methodology in various developing countries, with a strong focus on local capacity building.

• We continued work on EUROMED agreements using GTAP, in the framework of an EU thematic network led by Jo Swinnen.

• In 2003 we started a project with the OECD secretariat on the issue of agricultural liberalization and non-member countries. The development of GTAPEM benefited enormously from work done by Tom Hertel and Roman Keeney on modeling agriculture. Although the project has finished, work on GTAPEM is still ongoing. We currently focus on small trade shares (combing gravity models with GTAPEM). A paper with the first results will be presented in Addis.

• Indonesia: we are working with various institutions (government and university) to build WTO capacity. This work is funded through a bilateral fund with the Dutch government. Two researchers from Indonesia have attended the 2005. The work has been well received in Indonesia and we hope to obtain funding for a follow-up.

• New and upcoming: there is a revival of attention for ‘biomass for energy’ in all of Europe. We are working with Royal Dutch Shell and technical institutes to develop global scenarios on bioenergy potential. We expect to use GTAP-E and plan to enrich the database with bioenergy information.

Some publications:


