GTAP activity report OECD, 2014

Trade: OECD trade model
We are developing the OECD Trade Model based on a GTAP-related model (GLOBE) and utilising the GTAP dataset. We have modified the GTAP database using the OECD ICIO data which itself was used to derive the OECD-WTO TiVA statistics. We have modified the model to incorporate trade by end-user and imports by activity for intermediate goods trade. We have also incorporated an 'LCR' module which models Local Content Requirements as behind-the-border quantity restrictions.

These developments will be fully documented in forthcoming OECD Trade Policy Papers. The LCR work has been used to estimated impacts for the WTO-OECD-UNCTAD report on Trade and Investment Measures for the G20.
Two papers o te OECD trade model will be presented at the 2014 GTAP conference.

Agriculture: long term projections
OECD/TAD staff has been involved in the Agricultural Model Intercomparison and Improvement Program (AgMIP), in particular in coordinating the comparison of global economic models of agriculture. Many of the participating models rely on GTAP data.

Ongoing work on long term scenarios for food and agriculture is partially building on this. It aims at desiginging and, where possible, quantifying a few long-term scenarios for global food and agriculture. This work feeds into discusisons at the OECD Committee for Agriculture.

Environment: ENV-Linkages
The OECD ENV-Directorate relies on the GTAP database for its modelling on environmental and energy issues.

On energy issues we have linked the OECD CGE model ENV-Linkage to the IEA world energy model in order to asses economic and competiveness impact of IEA energy scenarios for the World Energy outlook 2013 (chap 8 + chap 2 of the special issue/report "redrawing the climate map").

We have refined our model of long run economic projection in order to provide macro-economic baselines; in last years we used this tool to give GDP number for the SSP baselines. These have been used for example by teams in AGMIP projects or by various IAM modelling Teams. If wanted we could propose to put these baselines on the GTAP website, once we will have aggregated the zone, for the moment they are hosted on IIASA server
(https://secure.iiasa.ac.at/webapps/ene/SspDb/dsd?Action=htmlpage&page=welcome).

From collaboration with a Team of FEEM we have started to include in our CGE some climate change feedback inside the model.

Recently with the Trade and Agriculture Department we have started to format OECD data on support and tax expenditures for fossil fuels energy into a more GTAP user format of the type Producer Consumer Subsidy Equivalent (PSE). Only OECD countries are considered for now.

At last in another project about distributional consequences of phasing out fossil fuel subsidies in Indonesia (presented at the conference this year) we have linked, through our model, the macro GTAP data with micro data from Indonesian survey.