FAO GTAP related activities, any issues related to GTAP, and cooperation between GTAP and ESC/FAO

GTAP related activities

Activities have been linked to using GTAP data base versions 6, and also related to a study on "The Impact of Multilateral Trade Liberalization on Food Security in Sub-Saharan Africa and South Asia"

1) Updated the database to new version 6.
2) Aggregated the countries and commodities based on our needs
3) Calculated the reductions in tariffs, export subsidies, and domestic support
4) Run simulation by using WINGEM program
5) Calculated the new number of undernourished people for Sub-Sahara Africa and South Asia

Key Issues related to GTAP

1) Improve data products and analysis for Doha Scenarios
Currently, it is impossible for a small project to do this kind of analysis due to data problem and aggregation problem. Suggest:

    a) Make bound rate of tariffs for Doha Round Analysis available
    b) Enable the aggregation automatically during the aggregation process by GTAP software

2) Improve household disaggregated analysis for poverty and food security
    a) Make household-data available
    b) Enable household-disaggregated analysis within the GTAP framework

3) Validate the GTAP results in crop productivity, crop production pattern with the constrains in land and agro-ecological conditions.

4) validate the market linkage between domestic market and international market
5) Increase the country coverage in Sub-Sahara Africa and South Asia in order to do poverty and food security analysis

Proposed Cooperation between GTAP and ESC/FAO

Develop a model for poverty and food security analysis for some LDC countries in GTAP

Produce joint papers on the distributional impacts of agricultural policies on households in developing countries

Validate the GTAP model in crop and livestock sectors by using COSIMO

Work on terms of trade, price transmission issues, and food security