FTA
FOI has and is working actively with tralac (Trade Law Centre for Southern Africa), modelling regional FTA between South Africa and a number of countries using the GTAP database. This work has resulted in the publication of a book in 2007 “South Africa’s way ahead: trade policy options” and a tralac working “Trade Policy options for Nigeria: a GTAP simulation analysis”. Further work is on going with tralac which should result in a second book being published some time in 2008.

WTO Doha
Work has also been commissioned by the Danish Agricultural ministry in quantifying the possible effects of a WTO Doha round agreement on Agriculture and NAMA (Non Agricultural Market Access).

Domestic support
Work is ongoing modelling changes to agricultural domestic support in China using the GTAP version 7 database. Working paper forth coming.

Endogenous technology spillovers through trade
Work has also been undertaken modelling endogenous technology spillovers through trade using the GTAP database and a working paper is also forth coming.

Incorporation of land supply curves in the standard GTAP model
In collaboration with the Danish Technical University, FOI is working on a modification of the standard GTAP model to allow for flexible (but limited) supply of land. We subdivide land rent from the GTAP database into two types of land, cultivable land, which may be used by both crop and livestock sectors, and pastureland, which is only suitable for livestock production. Subsequently, we construct region-specific land supply curves for both land types, similar to those introduced by van Meijl et. al. (2006), using data supplied by Professor Navin Ramankutty of McGill University, Montreal. To test the modifications, we simulate a shift in demand (towards wheat) in different countries and analyse the consequences for supply of new land. Apart from general methodological development, results are intended for use within the field of Life Cycle Analysis. This work has resulted in the publication of one working paper in 2008 and one submitted journal article.
GTAP related publications/presentations by FOI

Book

Working papers


Submitted journal article

Kløverpris, Jesper, Kenneth Baltzer and Per H. Nielsen, *Land Use in LCA: Life Cycle Inventory Modelling of Land Use Induced by Crop Consumption. Part II: Example of wheat consumption in Brazil, China, Denmark and the USA*, *International Journal of Life Cycle Assessment* (submitted)

For further information contact

Hans G Jensen  
Division of International Economics and Policy  
Rolighedsvej 25  
1958 Frederiksberg C  
Denmark

Hans@foi.dk

TEL. + 45 35 28 68 58