

GTAP-related activities ongoing within the US EPA include:

National Center for Environmental Economics, Office of Policy, Economics, and Innovation

- A global CGE model calibrated to GTAP data is being used to explore issues surrounding the coordination of trade and environmental policies in a second best setting. An international tax database more representative of actual government revenue sources is being constructed for this purpose. Model simulations include both regional and worldwide trade liberalization and will examine the efficient replacement of lost tariff revenues, taking pre-existing distortions into account.
- A separate effort has been made to interface EPA's Trade and Environmental Assessment Model (TEAM) with a general equilibrium model, including GTAP. TEAM converts aggregate economic results into changes at the U.S. county level for almost 1,200 sectors, and reports environmental outcomes for over 900 chemicals in water, air, agriculture, and hazardous waste categories. Model simulations include the removal of domestic subsidies and assorted trade liberalization scenarios.

Methane and Sequestration Branch, Office of Atmospheric Programs

- The Methane and Sequestration Branch continues to sponsor a special three-year project with GTAP. The objective of the project is to develop 1) a global land use database by agro-ecological zone, 2) an associated greenhouse gas emissions database, and 3) a simple, comparative static model to illustrate how these databases can be incorporated into a CGE framework for integrated assessment modeling.