



GTAP Consortium Agency Report Template

GTAP Advisory Board Representatives, your annual agency report of GTAP usage at your organization should contain, but not be limited to the types of items listed below. Please include details for activities undertaken since the previous year's advisory board meeting in June. When your report is complete, please email it to Ginger Batta (gbatta@purdue.edu).

1. GTAP Model and Data Base Usage

This section should include a brief summary of how and for what your organization has used the GTAP Model(s) and/or Data Base(s), as well as how this usage has furthered your organization's mission and purpose.

We have done numerous quick internal analyses of the current economic affairs (unable to describe them here for confidentiality reasons). We actively modify the model to answer the questions at hand.

2. Publications

This section should include a list of your organization's publications (of any type) that utilized the GTAP Model(s) and/or Data Base(s).

Sands, R.D., and S.A. Suttles (2022) "World agricultural baseline scenarios through 2050," *Applied Economic Perspectives and Policy*, DOI: 10.1002/aepp.13309

Beckman, J, M Ivanic, J Jelliffe, S Arita, Adopt or not adopt? Mirror clauses and the European Green Deal, *Applied Economic Perspectives and Policy*, 2022

Baquedano, F, J Jelliffe, J Beckman, M Ivanic, Y Zereyesus, M Johnson, Food security implications for low- and middle-income countries under agricultural input reduction: The case of the European Union's farm to fork and biodiversity strategies, *Applied Economic Perspectives and Policy* 44 (4), 1942-1954

Beckman, J, M Ivanic, J Jelliffe, Market impacts of Farm to Fork: Reducing agricultural input usage, *Applied Economic Perspectives and Policy* 44 (4), 1995-2013

Beckman, J., F. Gale, S. Morgan, E. Sabala, D. Ufer, A. Valcu-Lisman, W. Zeng, and S. Arita. 2022. China's Import Potential for Beef, Corn, Pork, and Wheat, ERR-310, U.S. Department of Agriculture, Economic Research Service.

3. Presentations

This section should include a list of your organization's presentations (of any type) that utilized the GTAP Model(s) and/or Data Base(s).

Numerous presentations of Farm to Fork Strategies ERS report through Crop Life Europe

Sands, R.D. "Nutrition Indicators for CGE Models," paper and oral presentation at the Global Trade Analysis Project (GTAP) virtual meeting, June 8-10, 2022.

Sands, R.D. "Nutrient Availability in CGE Models," The 28th Asia-Pacific Integrated Modeling (AIM) International Workshop, September 13-14, 2022, virtual meeting.

Sands, R.D. "Carbon Sinks and Economy-Wide Decarbonization," USDA Carbon Sinks Modeling Workshop, September 22-23, 2022, Atlanta, Georgia.

Sands, R.D. "Agriculture and Deep Decarbonization," Macroeconomic Effects of a Low-Carbon Transition: Workshop on Modeling Challenges and Approaches, November 1-2, 2022, Washington, DC.

Sands, R.D. "Modeling Land Use and Agriculture Emissions and Mitigation," Workshop on Non-CO₂ Greenhouse Gas Emissions in the National Energy Modeling System (NEMS), March 23, 2023, Washington, DC.

Sands, R.D. "Productivity and climate change in long-term scenarios of global agriculture," USDA-ERS, Farm Foundation, Virginia Tech workshop on Agricultural Productivity Growth: Measurement, Drivers, and Climatic Effects, March 29-30, 2023, Arlington, Virginia.

4. Special Reports

This section should include a list of any special reports prepared at your organization that utilized the GTAP Model(s) and/or Data Base(s).

5. Projects

This section should include a list and summary of all projects undertaken at your organization that utilized the GTAP Model(s) and/or Data Base(s).

Development of the Global-to-State Data Framework for Agricultural, through cooperative research agreements with Purdue University and the University of Wisconsin. This project links the GTAP 11 global data base with the Wisconsin National Data Consortium (WiNDC) data base for 50 U.S. States. The WiNDC data set is nested within the U.S. region of GTAP 11, using state-level data from NASS to disaggregate agricultural sectors, and data from BEA to construct five household income groups. The goal is a nested CGE model called GTAP-SR (subregions) using the new data base.

Dynamic GTAP with foresight (in-house)—a project aimed at creating the ability to use GTAP to analyze policies spanning several years.

GTAP in R (coop agreement with Uris Baldos, Purdue). The goal is to allow to run GTAP more easily using R (without having to send staff through a special GEMPACK course and obtain licenses)

6. Other Activities

This section should include any additional GTAP-related activities at your organization that do not fit into the above categories.