GTAP-related activities, 2013

The MIT Joint Program on the Science and Policy of Global Change made extensive use of the GTAP data set for research and analysis conducted in the program over the past year (see the following publication list). GTAP data serves as the principal economic data for the Program’s Emissions Prediction and Policy Analysis (EPPA) Model, a global CGE model of the world economy with details on the energy sector and on emissions of greenhouse gases and other air pollutants. The EPPA model was used for variety of applications.

The MIT Joint Program has also helped GTAP to develop a proposal to disaggregate electricity in the GTAP database. The relevance of electricity generation technologies is becoming increasingly important in a variety of research applications. The current treatment in the GTAP database as an aggregate sector is proving to be insufficient. This greatly limits the ability to conduct adequate policy analysis concerning many emerging global issues (e.g., energy consumption, greenhouse gas emissions). As a result of this, many GTAP contributors and users, perhaps even you or your organization, have pursued greater technological detail in the GTAP database independently. We are hoping that the GTAP board members would be able to contribute toward meeting the financial requirements to move this proposal forward.

2013 AND 2014 PUBLICATIONS BY MIT JOINT PROGRAM USING GTAP (AS OF MAY 2014)


http://globalchange.mit.edu


Nam, K.-M., C. Waugh, S. Paltsev, J. Reilly, and V. Karplus, 2013, "Carbon co-benefits of tighter SO2 and NOx regulations in China," *Global Environmental Change*, 23(6), 1648-1661.


