



Global Trade Analysis Project

GTAP Advisory Board Report

June 2024 – May 2025

Prepared by:

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Message from the Director

Dear GTAP Advisory Board Members,

Thanks to all Advisory Board Members for the warm welcome I have received as the new Director. At GTAP-Central, we are looking forward to the meeting in Kigali. There is a lot to discuss. Before proceeding, I would like to thank Stephen Karingi, Andrew Mold, and Simon Mevel of UNECA for their partnership in pulling together the 28th Annual GTAP Conference. I would also like to take this opportunity to highlight that the new leadership team at GTAP also includes Erwin Corong, who took on the role of Associate Director of the Project in 2024.

The year 2025 has already ushered in enormous changes to the global economic environment with strong implications for all members of the GTAP Consortium and for the Project itself. On 1 January 2025, when I formally began as Director of GTAP, there was certainly the expectation that 2025 would be a year of substantial change. On the one hand, a great deal has been revealed over the course of the past four months. On the other hand, uncertainty levels have, if anything, increased. The nature, scope, and force of change in the New Year went well beyond the levels anticipated by many. As the expectation of large-scale change has been strongly reinforced, the universe of potential landing points has also expanded.

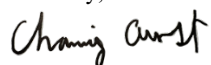
Concurrently over the past three and a half months, I have reached out to all consortium members and have benefited from in-depth conversations with nearly all of you related to (i) the objectives of each individual consortium member and how GTAP could play a more constructive role as consortium members pursue their own institution's objectives and (ii) GTAP's wider mission and role in the world. These conversations with consortium members complemented a series of in-depth interactions with other key stakeholders. The implications of the new international environment has also colored these conversations.

For the purposes of this letter, it is perhaps most useful to summarize some key common elements of these conversations. The intent here is to advance discussions regarding the core directions for GTAP. Kigali offers an important opportunity to coalesce around a series of guidelines in the context of a new global economic environment and a new leadership team.

1. The guiding philosophy of GTAP has always been to focus on collaborations in areas of common interest, such as data development, combined with an open marketplace for ideas in analytics. This philosophy remains as relevant today as 30 years ago. At the same time, the expression of this guiding philosophy has evolved with the times and should continue to do so.
2. With the objective of stating clearly and succinctly where the project sits today, the "About GTAP" page on the website has been updated (reproduced on next page). The new page provides both an 'elevator pitch' and an organizing principle that relates the activities of GTAP to its goals/mission. Comments are most welcome.
3. While GTAP activities in the coming year will be characterized by continuity, consolidation, and optimization, changes are in process or being actively contemplated in five areas. These are:
 - a. *The data build stream.* GTAP data team has already made considerable progress in updating the process of building the standard GTAP dataset. The new build stream relies on modern software allowing for much more rapid data processing.
 - b. *Data strategy.* The new data build stream is expected to open a series of possibilities that include: (i) more rapid release of datasets, (ii) greater ease in customizing datasets to respond to particular issues, (iii) increased depth of interface with consortium members and existing data collaborators as reliance on broadly used programming languages facilitates collaboration, (iv) increases in the size of the community contributing to the development of datasets, and more. These possibilities merit careful consideration as they relate to the role of GTAP in flexibly supporting the modeling structures of the future. They also are expected to have implications for the mode of operation of GTAP.
 - c. *Training.* An increased level of effort devoted to training with emphasis, but not unique focus, on creating a high-quality and reasonably comprehensive pathway to developing producers of applied general equilibrium research and policy analysis.
 - d. *Comparative advantage of GTAP in research.* GTAP research staff now represents one of the largest concentrations in the world of researchers with skills in economywide modeling. In recognition of this, GTAP has established a Scientific Council to provide advice on research priorities.
 - e. *Policy-oriented seminars.* As a complement to the ongoing technically oriented GTAP quarterly seminar series, GTAP is exploring the possibility of a policy-oriented seminar series under a Chatham House rules format. The idea is to draw upon the GTAP Network to identify speakers who would seed ideas on current topics and leave ample room for moderated discussion. Attendance at these events will be restricted to GTAP Consortium members and selected invited guests.

As you review the meeting agenda, you will note that Day 1 has been structured to focus on proximate priorities, such as progress relative to goals set at the 2024 Advisory Board Meeting, while Day 2 will be more strategic and forward-looking. We look forward to discussing your priorities and to your advice as we set the direction of GTAP in a new international environment.

Sincerely,



Channing Arndt, Director
Global Trade Analysis Project

About GTAP



Improving the quality of quantitative analysis of global economic issues within an economy-wide framework



What is GTAP?

Founded in 1992 and based at [Purdue University](#), the [Global Trade Analysis Project](#) (GTAP) supports a network of more than 32,000 individuals engaged in quantitative analysis of 21st century global challenges. A [consortium](#) of 31 leading national, international, and private institutions provides baseline financial support and strategic advice. Guided by a philosophy of collaboration in data development combined with an open marketplace for ideas in analytics, GTAP aims to advance high-quality quantitative analysis of global issues and facilitate deliberate decision-making. To this end, GTAP:

1. **Lowens barriers** to the conduct of high-quality analysis of global issues.

[Data](#) - GTAP assembles, documents, and makes publicly available a suite of databases that are widely regarded as the gold standard for global economywide analysis.

[Models, tools, and software](#) - GTAP develops and makes publicly available a suite of cutting-edge and fully documented models and tools and collaborates with leading analytical software providers and the open-source programming community in the application of those models.

[Training](#) - GTAP offers regular training courses, ranging from introductory to advanced, to scaffold network members in the application of the data, models, and software.

2. **Conducts research** on pressing issues with global ramifications.

While the bulk of GTAP-related research is conducted by network members, the Project itself houses one of the largest groups of top-flight economywide modelers in the world. This unique concentration of skill is buttressed by sector expertise, notably in energy and food systems. Guided by a distinguished [Scientific Council](#), GTAP researchers, often in collaboration with network members, address a range of issues including trade and industrial policy, energy transitions, climatic change, economic development, biodiversity preservation, pollution abatement, and circular economy.

3. **Serves as a platform** for discussion and dissemination of novel approaches and new ideas.

GTAP brings together thought leaders at the [Annual Conference on Global Economic Analysis](#), fosters innovation through the peer-reviewed [Journal of Global Economic Analysis](#), hosts a [Virtual Seminar Series](#), and maintains an active presence on [social media](#).

GTAP-related analytics are a regular feature in the world's most prestigious scientific journals and inform a vast array of decision-making processes by governments, international organizations, and private entities around the world.

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Executive Summary



Key Accomplishments

The list below highlights key accomplishments by the Center for Global Trade Analysis towards goals established during last year's GTAP Advisory Board Meeting.

Data Goal

- GTAP 11 Data Base
 - Public releases
 - June 2024 - GTAP 11c, GTAP Power, GTAP-E, GDyn, Land Use and Land Cover
 - January 2025 - Circular Economy, Migration
 - Board releases
 - February 2025 - GTAP 11.1 (interim release), GTAP Power, GTAP-E
- GTAP 12 Data Base
 - Wage and employment data updated for 2019
 - Income and factor tax data updated for 2019
 - Services trade data retrieved from TiSMoS and BaTiS are used in GTAP 12 pre-release 2
 - Complementary greenhouse gas emissions and air pollutants data developed for GTAP 12 pre-release 1
- Other
 - New build system development

Research Goal

- *Journal of Global Economic Analysis* two releases in 2024, two expected in 2025
- GTAP Scientific Council formed and first meeting held
- Center's research project portfolio remains active and diverse

Model Goal

- GEMPACK version of GTAP-SR model and documentation expected in late 2025
- GTAP-HS-TRQ implemented in the GTAP v7 Model code

Education Goal

- GTAP 101 Courses (2 offerings, 47 graduates)
- GTAP Short Course (1 offering, 26 graduates)
- GTAP Dynamic Short Course (1 offering, 16 graduates, curriculum update completed)
- GTAP PTA Course (1 offering, 8 graduates, curriculum update completed)
- GTAP-HET Course (curriculum update underway, next offering to be determined)
- New course development (GTAP-E-Power, SIMPLE, GTAP for Non-Economists, GTAPinR)
- Ongoing curriculum review and updates

Staffing Goal

- Channing Arndt hired as Research Professor/Director
- GTAP European office still under review for approval at Purdue University

Collaboration Goal

- 2025 GTAP Advisory Board Meeting and Conference (Kigali, Rwanda)
- 2026 GTAP Advisory Board Meeting and Conference (Kyoto, Japan)
- 2027 GTAP Advisory Board Meeting and Conference (West Lafayette, Indiana, USA)
- GTAP Virtual Seminar Series (5 seminars, 308 attendees)

Communication Goal

- New "elevator pitch" for GTAP developed

GTAP Advisory Board Meeting Agenda



Monday, June 23: Proximate Priorities

Radisson Blu Hotel & Convention Centre (Room: AD 10)
KG 2 Roundabout, Kigali, Rwanda

Time	Agenda
8:30-9:00am	Welcome Coffee (Foyer 1B, outside AD 10)
9:00-10:45am	Meeting and Operational Updates (Chair: Maryla Maliszewska)
	9:00-9:15 Meeting Overview (Channing Arndt)
	9:15-9:25 Discussion
	9:25-9:35 Center Management and Finances (Channing Arndt and Holly McIntire)
	9:35-9:45 Discussion
	9:45-9:55 Upshots of Consultations (Channing Arndt)
	9:55-10:05 Discussion
	10:05-10:15 GTAP Scientific Council Update (Thomas Hertel)
	10:15-10:25 Discussion
	10:25-10:35 GTAP – EU (Dominique van der Mensbrugghe)
	10:35-10:45 Discussion
10:45-11:15am	Break (Foyer 1B, outside AD 10)
11:15am-12:40pm	GTAP Data and Modelling Updates (Chair: Jan Schmitz)
	11:15-11:30 GTAP 12 Data Base and Input-Output Tables (Angel Aguiar)
	11:30-11:40 Discussion
	11:40-11:50 Labor Data and Income & Factor Taxes (Erwin Corong)
	11:50-12:00 Discussion
	12:00-12:10 Energy and Emissions (Maksym Chepeliev)
	12:10-12:20 Discussion
	12:20-12:30 Mainstream Land Use and Cover (Uris Baldos)
	12:30-12:40 Discussion
12:40-2:00pm	Lunch (AD 12)
2:00-3:20pm	GTAP Data and Modelling Updates (Chair: Aikaterini Kavallari)
	2:00-2:10 Build Stream (Erwin Corong)
	2:10-2:20 Discussion
	2:20-2:30 MRIO (Erwin Corong)
	2:30-2:40 Discussion
	2:40-2:50 Circular Economy (Maksym Chepeliev)
	2:50-3:00 Discussion
	3:00-3:10 GTAP Models (Erwin Corong)
	3:10-3:20 Discussion
3:20-3:50pm	Break (Foyer 1B, outside AD 10)
3:50-4:30pm	GTAP-U Updates and GTAP Research Fellows (Chair: Matthias Weitzel)
	3:50-4:00 GTAP-U (Ginger Batta)
	4:00-4:10 Discussion
	4:10-4:20 GTAP Research Fellows (Janine Pelikan)
	4:20-4:30 Discussion, Vote, Establish 2026-2028 Committee
4:30-5:00pm	Parking Lot (Chair: Channing Arndt)
7:00pm	Dinner (La Creola, KG 28 Ave, Kimihurura, Kigali, Rwanda - Walking directions on next page)

GTAP Advisory Board Dinner

Join us for a “Créole African Bush Dinner”, during which the recipient of the Alan A. Powell Award will be announced.

Date: June 23, 2025

Time: 7:00pm

Location: La Creola, KG 28 Ave, Kimihurura, Kigali, Rwanda

Walking directions from the Radisson Blu Hotel (1.8km, approx. 23 minutes)

1. Head west on Convention Ctr Roundabout toward KG 542 St (31m)
2. Slight left onto KG 542 St (130m)
3. Turn right toward KG 542 St (8m)
4. Turn left onto KG 542 St (48m)
5. Turn right (750m)
6. Turn right onto KG 2 Av (200m)
7. Turn left onto KG 4 Ave (270m)
8. Turn left onto KG 28 Ave (350m)
9. Turn right onto KG 662 St
10. Destination will be on the left



GTAP Advisory Board Meeting Agenda



Tuesday, June 24: Looking Further Forward

Radisson Blu Hotel & Convention Centre (Room: AD 10)
KG 2 Roundabout, Kigali, Rwanda

Time	Agenda
8:30-9:00am	Welcome Coffee (Foyer 1B, outside AD 10)
9:00-10:30am	Vision - Lowering barriers (Chair: Eddy Bekkers)
	9:00-9:10 Future Modeling Infrastructure (Erwin Corong)
	9:10-9:15 Q&A
	9:15-9:25 Data Strategy (Angel Aguiar)
	9:25-9:30 Q&A
	9:30-9:40 Training (Channing Arndt)
	9:40-9:45 Q&A
	9:45-10:30 Open discussion on above three presentations
10:30-11:00am	Break (Foyer 1B, outside AD 10)
11:00am-12:40pm	Visions – Conducting research and serving as a platform (Chair: Janine Pelikan)
	11:00-11:10 Introduction and Research Comparative Advantage (Erwin Corong)
	11:10-11:20 Discussion
	11:20-11:30 Trade and Welfare (Dominique van der Mensbrugghe)
	11:30-11:40 Discussion
	11:40-11:50 Mitigation and Circular Economy (Maksym Chepeliev)
	11:50-12:00 Discussion
	12:00-12:10 Agriculture, Food, and Natural Resources (Alla Golub)
	12:10-12:20 Discussion
	12:20-12:30 Serving as a Platform – Policy Seminars (Channing Arndt)
	12:30-12:40 Discussion
12:40-1:45pm	Lunch (AD 12)
1:45-2:15pm	Center Priorities (Chair: Hugo Rojas-Romagosa)
	1:45-2:00 Forthcoming Year Priorities (Channing Arndt)
	2:00-2:15 Discussion
2:15-2:45pm	Parking Lot (Chair: Channing Arndt)
2:45-3:00pm	Meeting Wrap-Up
	2:45-3:00 Meeting Wrap-Up (Channing Arndt)
3:00-5:00pm	Early Conference Check-in (Outside AD 12) We encourage those registered for the conference to stop by the registration desk during this time to collect conference materials to avoid the line Wednesday morning.

Center Goals: Progress Updates on Previous Year Goals



Data Goal

To improve the quality of data products through improving the quality of contributed I-O data, adding and improving other datasets, monitoring data quality using comparison programs, and versioning control and documentation

Tasks	Responsibility
Primary Priorities	
Maintain GTAP release schedules	Aguiar
<i>Released version 11c to the public that includes capital stock data based on the IMF. Released 11.1 to the Board. Worked on the second pre-release of GTAP 12.</i>	
Update GTAP 12 labor data	Puangchit, Corong
<i>Wage and employment data for GTAP 12 reference year 2019 were updated using 2018 to 2020 ILO data.</i>	
Income and factor taxes	Pereira, Corong
<i>Income and factor tax data were updated for GTAP 12 reference year 2019 using IMF's Global Financial Statistics and the OECD's Global Revenue Statistics Database</i>	
EU domestic support	Boulanger, Philippidis, Aguiar
<i>The OECD did not release information at the member state level. Therefore, 2017 domestic support rates are being used for 2019.</i>	
Services trade	Pereira, Aguiar
<i>Data was retrieved from TiSMoS and BaTiS and used in GTAP 12 pre-release 2.</i>	
Complementary green-house emissions	Chepeliev
<i>Complementary greenhouse gas (GHG) emissions and air pollutants data inputs have been developed for the GTAP 12 pre-release 1 Data Base. In addition, refinements to the representation of the GHG and air pollutant emissions have been introduced to the GTAP-CE Data Base, where additional sectors have been disaggregated (cement and fertilizers), compared to the previous version of the GTAP-CE 10 Data Base.</i>	
Balancing routines to include agricultural production targeting	van der Mensbrugghe
<i>This is work in progress and part of the overall renovation of the entire 'build' stream.</i>	
Input-Output Tables	Contributors, Aguiar
<i>Introduced new countries' IOTs [Angola (2015), Burundi (2016), and Sao Tome & Principe (2019)] and updated Canada (2017, 2019), Cameroon (2019), Korea (2020), Madagascar (2019), Morocco (2019), UK (2018, 2019).</i>	
Update energy data for GTAP 12	Chepeliev
<i>New energy data for GTAP v12 has been developed using a combination of the IEA extended energy balances and UN energy balances, as well as selected other data inputs (e.g. commodity prices, energy taxes, etc.). In addition, new energy subsidy data from IEA have been processed and incorporated into the GTAP data build. All energy-related inputs have been updated to 2019 for consistency with the reference year of the GTAPv12 Data Base.</i>	

Tasks	Responsibility
Mainstream GTAP-BIO	Taheripour, Chepeliev, Aguiar, Sajedinia
<i>Efforts on mainstreaming the GTAP-BIO Data Base have continued including the collection of new data inputs for refining sectoral splits.</i>	
Mainstream land use and land cover into standard GTAP Data Base	Baldos, Corong
<i>Workflow has been developed to automatically download data on national land use and land cover data from FAO and disaggregate data across agro-ecological zones (AEZ). Work is ongoing to integrate AEZ information to the main data build. For GTAP 12 data cycle, a new AEZ database will be generated using the latest land use and land cover datasets.</i>	
Disaggregation of critical minerals and select downstream sectors	Chepeliev
<i>The updated version of the GTAP-CE 11 Data Base, while serves as a core input to further disaggregation of critical minerals has been developed and released to the public during the reported period. This version of the database includes additional splits of cement and fertilizer, in addition to the disaggregation of mining, metals and plastic sectors. In collaboration with colleagues from the WTO, major data collection efforts have been ongoing to represent critical minerals supply chains in the GTAP-CE Data Base, including the disaggregation of mining, refining and selected downstream sectors. The preliminary version of this database is planned to be presented at the GTAP Board Meeting and Conference in Kigali.</i>	
Secondary Priorities	
Manufacturing Production Targeting	Pereira, Aguiar
<i>Data was retrieved from UNIDO and targets constructed, not yet used in GTAP.</i>	
Improve disaggregation routines	Simonato
<i>No progress to report.</i>	
Development of the GTAP Data Base with disaggregated livestock sectors	Chepeliev, Golub, van der Mensbrugghe
<i>A preliminary version of the GTAP 11 Data Base with disaggregated livestock sector has been developed within a joint USDA-sponsored project with colleagues from Cornell University. Five parent sectors of the GTAP-Power 11 Database Base (Other grains, Oil seeds, Cattle, Raw milk and Other animal products) have been disaggregated into 31 sectors. An overview of the database and preliminary results of simulations including impacts of trade and mitigation policies using the developed database will be presented at the GTAP and AAEA conferences. The ongoing efforts in collaboration with the Cornell team include further refinements of the sectoral splits using updated data inputs (currently under development by the Cornell team).</i>	

Center Goals: Progress Updates on Previous Year Goals



Research Goal

To actively participate in quantitative economic analysis of pressing global concern in the areas of trade and development and global environmental issues

Tasks	Responsibility
Primary Priorities	
Journal of Global Economic Analysis	Hertel
<p><i>The JGEA is entering its tenth year, publishing consistently issues in June and December. In 2024 the JGEA published papers on methodology, modeling and pedagogy, as well as a comment in which the authors replicated, modified, and critiqued results from a prior paper. The requirement that each paper is replicated prior to publication is a high bar. This labor-intensive activity is facilitated by the graduate students working with the Center. This feature distinguishes the JGEA from other economics journals – and from most other scientific journals. It is one reason we publish relatively few papers, but the ones that are published are widely cited and form the foundation for future advances in global economic modeling and analysis.</i></p>	
GTAP Scientific Council	Hertel
<p><i>The GTAP Scientific Council was established in 2024, with the first meeting held in early 2025 to discuss potential new directions for global economic analysis and the scope for meaningful scientific contributions by the GTAP research community. A council of 8 members, plus a representative from the Center for Global Trade Analysis, representing the areas of biodiversity and land use, climate science, international trade and economic development, nutrition, and earth systems science were appointed by the Center for Global Trade Analysis, and will serve for two-year appointments, with the option of renewal for up to three total terms. Recruiting input from a broader range of specialists in these fields will allow the Center for Global Trade Analysis and GTAP Advisory Board to remain abreast of new issues and challenges and chart new paths forward for the Global Trade Analysis Project.</i></p> <p><i>Following the inaugural meeting, the council's designated secretary and chair submitted a meeting report to the Center for Global Trade Analysis leadership for inclusion in this year's GTAP Advisory Board Meeting for review and consideration. Key topics included the need for: (i) monitoring tariffs and other trade-related interventions, (ii) tracking the digital economy, (iii) making the GTAP MRIO data base more widely visible and accessible, (iv) leveraging new developments in artificial intelligence, (v) linking the GTAP framework to domestic data bases and models that offer greater resolution and more information on distributional impacts of policies, (vi) improved data and elasticity estimates related to production in key sectors, (vii) improved modeling of intra-African trade flows and the informal economy, (viii) more model validation and parameter estimation to counter the critique that our work has limited empirical foundations, (ix) analysis of supply chain disruptions, including in the food and critical materials sectors, (x) launching a model inter-comparison exercise, including work from the New Quantitative Trade Models (NQTMs).</i></p> <p>GTAP Scientific Council Members</p> <ul style="list-style-type: none"> • ^{††} Joseph Francois - University of Bern, World Trade Institute • [†] Frank van Tongeren - EconSail • [*] Thomas Hertel - Center for Global Trade Analysis, Purdue University • Emily Blanchard - Dartmouth College / US Department of State • Simeon Ehui - IITA/CGAIR • Lionel Fontagné - Banque de France / Université Paris 1 Panthéon-Sorbonne • Fran Moore - University of California Davis • Aline Mosnier - FABLE Consortium 	

Tasks	Responsibility
<ul style="list-style-type: none"> • Navin Ramankutty - University of British Columbia <p>†† Chair, † Vice-Chair, * Secretary</p>	
Assess the sustainability of the livestock production system with a focus on policies to promote circularity	Chepeliev, Golub, van der Mensbrugghe
<i>The GTAP team continues collaboration with colleagues from Cornell (Mario Herrero, Daniel Mason-D'Croz) under the NIFA USDA sponsored project titled "Meeting 21st Century Objectives in Livestock Sectors: Challenges and Opportunities". The project includes construction of the GTAP Data Base with a disaggregated representation of the livestock sector (see related task under Data Goals), and analysis of the impacts of climate change mitigation, healthy diets, circularity and trade policies on the heterogeneous livestock sectors. Preliminary finding of the project will be presented at the 2025 GTAP and AAEA conferences.</i>	
Documentation of the partial equilibrium global livestock-crop model calibrated to the ERS/USDA international baseline	Golub
<i>Completed</i>	
Analysis of water scarcity in the Middle East using linked hydrological and GTAP-BIO-W models	Haqiqi, Golub, Taheripour
<i>Completed and published in the Environmental Research Communications</i>	

Center Goals: Progress Updates on Previous Year Goals



Model Goal

To promote further development of GTAP-based models

Tasks	Responsibility
<i>Primary Priorities</i>	
GEMPACK version of GTAP-SR model and documentation	Corong, Golub, van der Mensbrugghe
<i>GEMPACK-based model is being finalized with code and documentation to be made available after project completion in fall 2025.</i>	
GTAP-HS-TRQ- Implementation of TRQs using “ntuples” to limit complementarity to only bilateral trade notes subject to TRQs	Corong, Golub
<i>Implemented in the GTAP v7 Model code.</i>	

Center Goals: Progress Updates on Previous Year Goals



Education Goal

To expand and improve education for global economic analysis worldwide

Tasks	Responsibility
Primary Priorities	
Course Delivery: <ul style="list-style-type: none"> GTAP Short Course (June 3 - August 9, 2024) GTAP 101 Course (September 2 - October 20, 2024) GTAP PTA Course (September 9 - October 18, 2024) GTAP Dynamic Short Course (January 20 - March 14, 2025) GTAP 101 Course (March 17 - May 4, 2025) 	Batta, Akgul, Instructors Keeney, Et al. Countryman Walmsley Aguiar, Et al. Countryman
<p><i>GTAP Short Course – 1 offering, 26 graduates</i> <i>One offering of the GTAP Short Course, under the leadership of Roman Keeney, was held since the last GTAP Advisory Board Meeting. The course was offered in two phases – first online, then followed by a residential, in-person phase at Purdue University.</i></p> <p><i>GTAP 101 Courses – 2 offerings, 47 graduates</i> <i>Two offerings of the GTAP 101 Course, under the leadership of Amanda Countryman, were held since the last GTAP Advisory Board Meeting.</i></p> <p><i>GTAP PTA Course – 1 offering, 8 graduates</i> <i>One offering of the GTAP PTA Course, under the leadership of Terrie Walmsley, was held since the last GTAP Advisory Board Meeting. Prior to the 2024 offering, the GTAP PTA curriculum underwent an overhaul with updates made to bring the content in line with the GTAP Model, v7 and the latest edition of Mary Burfisher's book, Introduction to Computable General Equilibrium Models, 3e, as well as lecture and demonstrative videos added to complement the learning experience. This course continues to suffer from low applicant and enrollment numbers, so the Center is exploring options to increase interest and enrollment for the next offering, which will be held in 2026.</i></p> <p><i>GTAP Dynamic Short Course – 1 offering, 16 graduates</i> <i>One offering of the GTAP Dynamic Short Course, under the leadership of Angel Aguiar, was held since the last GTAP Advisory Board Meeting. The course was offered in two phases – first online, then followed by a residential, in-person phase at Purdue University. Prior to the 2025 offering, the GTAP Dynamic Short Course curriculum underwent an overhaul, with updated lectures and demonstrative videos, as well as hands-on exercises and expanded learner assessments added to the online phase of the course and improved GTAP-E-RD and new GTAP-AEZ-RD model applications for the small group projects during in-person phase.</i></p>	
Curriculum Updates: <ul style="list-style-type: none"> identify materials that require updates propose new course materials to fill any possible gaps in the course develop/review new and updated course materials 	Akgul, Batta, course instructors
<p><i>The GTAP PTA Course has been comprehensively updated to align with GTAP Model v7. The revamped curriculum now features narrated lectures, revised quiz questions, and common module tutorials. Additional updates are planned before the next offering to further enhance interactivity in each module and to introduce</i></p>	

Tasks	Responsibility
<p><i>supplementary lectures—particularly focusing on non-tariff measure applications—to boost participant interest.</i></p> <p><i>The Dynamic Short Course has undergone significant revisions. The updated curriculum includes refreshed lectures, demonstrative videos, and new hands-on exercises in the online phase, along with improved GTAP-E-RD and the new GTAP-AEZ-RD model applications for small group projects during the onsite phase. Future updates are planned to further increase interactivity and provide more practical training online for the next offering.</i></p> <p><i>The SIMPLE-G Course is also undergoing a complete overhaul, evolving into a fully online, self-paced stand-alone module. Utilizing the SIMPLE model within an interdisciplinary economic framework, the course will assess economic responses to factors such as population growth, scarcity, nutrition, and productivity growth. The curriculum integrates insights from climate science, agronomy, and related fields, drawing on elements from Purdue’s AGECE 528 and previous SIMPLE-G course materials. Production is set to commence during Summer 2025.</i></p>	
<p>Complete/Launch:</p> <ul style="list-style-type: none"> • module repository system <ul style="list-style-type: none"> ○ develop instructor guidelines for usage and access ○ new common module content developed (e.g., RunGTAP, FAQ data base, etc.) • systematic documentation of GTAP model extensions (two tracks – for instructors and for non-staff users) 	Akgul
<p><i>The development of a module repository system and model library to systematically organize our course materials and models is underway. This effort will create a searchable, centralized resource for all content, enabling efficient tracking of updates and the creation of standardized common modules.</i></p>	
<p>New Course Development:</p> <ul style="list-style-type: none"> • Meet with instructors, board members, course participants and colleagues in the network to identify demand for core and specialized training in CGE modeling 	Akgul, Batta, course instructors
<p><i>Development is underway for the GTAP for Non-economists Course. This is a fully online, self-paced course aimed at providing policymakers and non-economists with a clear introduction to CGE models and their practical applications in economic and climate policy. The course will cover foundational, non-technical aspects of the GTAP model and database, supported by short lectures, an introductory case study, and expert opinion pieces on key questions. Content development is in progress and is expected to be completed by the end of 2025.</i></p> <p><i>The GTAPinR Course is a new fully online, self-paced course currently under development, designed to equip current GTAP users with practical R-based tools. It introduces the “HARr” package—used for reading and writing header array files—and the “tabloToR” package for running GTAP simulations within R. The course content covers functionality, and data visualization through narrated lectures, hands-on exercises, and assessments, and is currently being implemented on Brightspace, with completion targeted for late 2025.</i></p> <p><i>The SIMPLE Course is a fully online, instructor-led course that uses the SIMPLE model within an interdisciplinary framework to analyze the impacts of population growth, scarcity, nutrition, and productivity growth. The course is planned to span six weeks and to conclude with a group project. The course structure is finalized, with content development set to begin in Summer 2025.</i></p> <p><i>The syllabus for the GTAP-E-Power Course is finalized. This is a fully online, instructor-led course focusing on the static GTAP-E-Power model. This course is planned to span six-weeks incorporating case studies and concluding with a group project. Development will begin in 2026.</i></p>	

Tasks	Responsibility
Quality Assessments: <ul style="list-style-type: none"> Regular review of course content and technical quality Carry out post-mortem meetings with lead course instructors Report the status of courses at staff meetings 	Akgul, course instructors
<i>After each GTAP-U course, we hold post-mortem sessions with our lead instructors to review learner evaluations and plan content updates. This year, we have completed post-mortems for the GTAP PTA, Annual GTAP Short Course, Dynamic Short Course, and GTAP 101 Course. We have planned content updates for the next offerings of both the GTAP PTA and Dynamic Short Course.</i>	
Report on the status and future directions of GTAP-U	Akgul
<p><i>Our future objectives include launching the GTAP for Non-Economists Course, GTAPinR Course, and SIMPLE Course in the near term, while planning to introduce the GTAP-E-Power and other specialized courses over the longer term. We are committed to integrating cutting-edge technologies, such as artificial intelligence, to enhance course interactivity and effectiveness. In addition, we are actively pursuing for potential partnerships with external instructors in other institutions to further broaden the GTAP-U curriculum.</i></p> <p><i>This year, we submitted a proposal to the ASEAN-UK Green Transition Fund (GTF), the flagship programme of the UK's International Climate Finance portfolio, designed to support ASEAN's transition to a clean, climate-resilient economy. Through the UK PACT mechanism, the GTF promotes capacity building, knowledge sharing, and evidence-based climate action across ASEAN Member States and Timor-Leste. Our project proposal, "Strengthening Climate Policy and Institutional Capacity in ASEAN," aligns with these objectives by expanding the pool of qualified analysts skilled in CGE modeling. Our proposal addresses a critical gap in ASEAN institutions' ability to conduct robust economic analyses of climate policies using CGE techniques. We proposed a modular training program that can empower researchers with practical skills while reducing the high costs associated with building multi-person modeling teams. This cost-effective approach has the potential to accelerate skill development and strengthen in-house expertise, that can be implemented not only in ASEAN institutions but also in organizations globally. The structured, modular training program is central to GTAP-U's long-term mission of building human capital, and we will continue to refine and implement it to meet evolving regional needs. Although not successfully funded, this proposal has provided a strong foundation for structuring our longer-term capacity-building plans.</i></p>	

Center Goals: Progress Updates on Previous Year Goals



Staffing Goal

To actively seek and encourage talented staff and graduate students

Tasks	Responsibility
Primary Priorities	
Continue director search	van der Mensbrugghe, Hertel
<i>On January 1, 2025, Channing Arndt joined the Center as a Research Professor and Director of the Center for Global Trade Analysis. Channing brings an outstanding background to this position, having gained experience with the Center as a PhD student, then serving as a faculty member in Department of Agricultural Economics at Purdue University, and spending five years in residence with the Ministry of Planning and Development in Mozambique. Channing continued his focus on development as a Professor at the University of Copenhagen and Senior Research Fellow with the World Institute for Development Economics Research, and in 2017, he joined IFPRI as Senior Research Fellow, quickly moving into a leadership position, becoming Division Director, and then Senior Director, a position he held from 2022-2024. With this background and vast experience in academia, government, and policy research, Channing is well-positioned to lead the Center as it moves into its 34th year.</i>	
GTAP European Office	van der Mensbrugghe, Hertel
<i>The Center has been actively engaged with senior management of Purdue University to obtain approval by the Board of Trustees of the University to open a GTAP European Office. There is overall agreement on the main contours of the proposed European Office—location, legal framework, business model and potential partners—and at this stage it is mostly fine tuning before submitting the final proposal to the Board of Trustees.</i>	

Center Goals: Progress Updates on Previous Year Goals



Collaboration Goal

To actively seek opportunities for fostering collaboration with institutions around the world

Tasks	Responsibility
Primary Priorities	
2025 GTAP Conference (Kigali, Rwanda)	Batta
<p><i>The 2025 GTAP Conference will be held at the Radisson Blu Hotel & Convention Centre in Kigali, Rwanda. The advisory board meeting will be held June 23-24, immediately followed by the conference, June 25-27. Ginger Batta will provide an update on the conference during the board meeting.</i></p>	
2026 GTAP Conference (Kyoto, Japan)	Batta
<p><i>In March 2024, the GTAP Advisory Board approved via an online vote to hold the 2026 GTAP Advisory Board Meeting and Conference at the Kyoto International Conference Center in Kyoto, Japan. The venue contract has been secured and further planning for the events will begin in July 2025.</i></p>	
2027 GTAP Conference (West Lafayette, Indiana, USA)	Batta
<p><i>In September 2024, the GTAP Advisory Board approved via an online vote to hold the 2027 GTAP Advisory Board Meeting and Conference at Purdue University in West Lafayette, Indiana, USA to celebrate the 30th Annual Conference. The venue contract has been secured and further planning for the events will begin in July 2026.</i></p>	
2028 GTAP Conference (Target: United Arab Emirates)	Batta
<p><i>Channing Arndt expressed interest in holding the 2028 GTAP Advisory Board Meeting and Conference in the United Arab Emirates. Ginger Batta has started exploring venues in Dubai and will pursue this further following this year's board meeting and conference.</i></p>	
GTAP Virtual Seminar Series	Batta
<p><i>Five seminars were held since the last GTAP Advisory Board Meeting on the following topics.</i></p> <ul style="list-style-type: none"> • <i>Trade and technology adoption in distorted economies (Farid Farrokhi – September 3, 2024)</i> <ul style="list-style-type: none"> ○ <i>114 registrants / 53 attendees</i> ○ <i>Recording views: 284 (and counting)</i> • <i>SMART Handout: An Innovative Tool to Empower Applied General Equilibrium Teaching (Zhan Wang – October 15, 2024)</i> <ul style="list-style-type: none"> ○ <i>105 registrants / 57 attendees</i> ○ <i>Recording views: 338 (and counting)</i> • <i>SIMPLE-G: A Gridded Economic Approach to Sustainability Analysis of the Earth's Land and Water Resources (Tom Hertel, Iman Haqiqi, Srabashi Ray, Jing Liu, Zhan Wang, Uris Lantz Baldos – December 17, 2024)</i> <ul style="list-style-type: none"> ○ <i>115 registrants / 52 attendees</i> ○ <i>Recording views: 347 (and counting)</i> • <i>Approximating Terms of Trade Effects in Single Country CGE Models (Andrew Schreiber – February 18, 2025)</i> <ul style="list-style-type: none"> ○ <i>105 registrants / 48 attendees</i> 	

Tasks	Responsibility
<ul style="list-style-type: none"> ○ <i>Recording views: 252 (and counting)</i> • <i>GTAP Circular Economy Data Base (Maksym Chepeliev – April 8, 2025)</i> <ul style="list-style-type: none"> ○ <i>161 registrants / 98 attendees</i> ○ <i>Recording views: 269 (and counting)</i> 	

Center Goals: Progress Updates on Previous Year Goals



Communication Goal

To facilitate communication amongst members of the network as well as between the Center and key stakeholders

Tasks	Responsibility
<i>Primary Priorities</i>	
Website updates: design, security, functionality, etc.	Douglas
<i>No update provided</i>	

Center Goals: Forthcoming Year Action Items



Data Goal

To improve the quality of data products through improving the quality of contributed I-O data, adding and improving other datasets, monitoring data quality using comparison programs, and versioning control and documentation

Tasks	Responsibility
Primary Priorities	
Maintain GTAP release schedule	Aguiar
Work with IO table contributors	Aguiar
GTAP-Migration for version 12	Aguiar
GTAP-MRIO and WIOD like format	Corong
Forward looking tariffs and NTMs	Corong
GDyn for version 12	Golub
GTAP-POWER for version 12	Chepeliev
GTAP-Circular Economy for version 12	Chepeliev
Data-program separation	Simonato
Improve disaggregation module	Simonato
GTAP New build system development	Simonato
Secondary Priorities	
Prepare plan for GTAP 13 development	Aguiar
Domestic Margins	Corong
Labor data by Education	Corong
Nutritional Accounts	Chepeliev
Complementary GHG emissions (includes air pollution)	Chepeliev
IO multipliers or Emission factors	Chepeliev
GTAP-SSP integration tools (R package)	Simonato
Development of the GTAP Data Base with disaggregated livestock sectors	Chepeliev, Golub, van der Mensbrugghe
Finalize and test the updated 'FIT' procedure, which is at the core of the database 'build' workflow	van der Mensbrugghe
Development of the GTAP Critical Minerals Data Base	Chepeliev

Center Goals: Forthcoming Year Action Items



Research Goal

To actively participate in quantitative economic analysis of pressing global concern in the areas of trade and development and global environmental issues

Tasks	Responsibility
Primary Priorities	
<i>Journal of Global Economic Analysis</i>	Hertel, Winchester
Sustainable transition of the livestock sector: climate change mitigation, healthy diets and policies promoting circularity.	Chepeliev, Golub, van der Mensbrugghe
Exploration of Brazil and U.S. land use scenarios focusing on multi-cropping activities	Baldos, Corong, Golub, van der Mensbrugghe, Wang
Impacts of climate change on forest and agricultural systems, and role of adaptation in the supply of forest carbon sequestration	Golub
Assess the nexus of trade and climate change—climate impacts, mitigation policies, and factors facilitating the green transition. This work is being funded by a European Commission Horizon project and includes multiple partners in Europe.	Chepeliev, van der Mensbrugghe
Assessment of the global and US dietary transition and policies	Chepeliev, van der Mensbrugghe
GTAP-SIMPLE-G model to facilitate analyses of land use and multi-cropping activities	Corong, Wang
Alternative land use specification in the GTAP-AEZ model	Corong, Baldos
Secondary Priorities	
Assess the economic impacts of climate change. This project is being managed by the National Center for Environmental Economics (NCEE) at the U.S. Environmental Protection Agency	Chepeliev, van der Mensbrugghe, Vandyck
Participate in “Green Macroeconomic Modeling Initiative” (GMMI) sponsored by the Bezos Earth Fund. One of the key objectives of this initiative is to sensitize Central Banks and Finance/Economic Ministries to economics of climate change	Chepeliev, van der Mensbrugghe, Vandyck
Analysis of the global food loss and waste historical trends and future scenarios	Chepeliev
Analyzing Domestic Resource Mobilization issues	Arndt, Corong

Center Goals: Forthcoming Year Action Items



Model Goal

To promote further development of GTAP-based models

Tasks	Responsibility
Primary Priorities	
GTAP-Migration (GMig) version 7 model	Corong, Aguiar
GTAP-AEZ version 7 model with alternative land use specification	Corong, Baldos
Secondary Priorities	
Assess different investment specifications in the recursive dynamic version of the GTAP model	van der Mensbrugghe
GTAP version 7 model with segmented labor	Corong
GTAP version 7 model with flexible nesting specification	Corong, van der Mensbrugghe

Center Goals: Forthcoming Year Action Items



Education Goal

To expand and improve education for global economic analysis worldwide

Tasks	Responsibility
Primary Priorities	
Course Delivery: <ul style="list-style-type: none"> • GTAP Short Course (June 2 - August 8, 2025) • GTAP 101 Course (September 1 - October 19, 2025) • SIMPLE Course (dates tbd) • GTAP-E-Power Course (dates tbd) • GTAP 101 Course (early 2026 - tbd) • SIMPLE-G Short Course (early 2026 - tbd) • GTAPinR Course (open enrollment) • GTAP for Non-Economists Course (open enrollment) 	Batta, Akgul, Instructors Keeney, Et al. Countryman Baldos/Liu (tbd) Golub Countryman Liu, Et al. Baldos, Simonato Akgul, Et al.
Curriculum Updates: <ul style="list-style-type: none"> • identify materials that require updates • propose new course materials to fill any possible gaps in the course • develop/review new and updated course materials 	Akgul, Batta
Complete/Launch: <ul style="list-style-type: none"> • module repository system <ul style="list-style-type: none"> ◦ develop instructor guidelines for usage and access ◦ new common module content developed (e.g., RunGTAP, FAQ data base, etc.) • systematic documentation of GTAP model extensions (two tracks – for instructors and for non-staff users) 	Akgul
New Course Development: <ul style="list-style-type: none"> • Meet with instructors, board members, course participants and colleagues in the network to identify demand for core and specialized training in CGE modeling 	Akgul, Batta, course instructors
Quality Assessments: <ul style="list-style-type: none"> • Regular review of course content and technical quality • Carry out post-mortem meetings with lead course instructors • Report the status of courses at staff meetings 	Akgul, course instructors
Report on the status and future directions of GTAP-U	Akgul

Center Goals: Forthcoming Year Action Items



Staffing Goal

To actively seek and encourage talented staff and graduate students

Tasks	Responsibility
<i>Primary Priorities</i>	
GTAP European Office	Arndt, Hertel, van der Mensbrugghe

Center Goals: Forthcoming Year Action Items



Collaboration Goal

To actively seek opportunities for fostering collaboration with institutions around the world

Tasks	Responsibility
<i>Primary Priorities</i>	
2026 GTAP Conference (Kyoto, Japan)	Batta
2027 GTAP Conference (West Lafayette, Indiana, USA)	Batta
2028 GTAP Conference (Target: United Arab Emirates)	Batta
GTAP Virtual Seminar Series	Batta
GTAP Policy Seminar Series	Arndt, Batta

Center Goals: Forthcoming Year Action Items



Communication Goal

To facilitate communication amongst members of the network as well as between the Center and key stakeholders

Tasks	Responsibility
<i>Primary Priorities</i>	
Website updates: design, security, functionality, etc.	Douglas



GTAP Data Base

The centerpiece of the Global Trade Analysis Project is a global data base describing bilateral trade patterns, production, consumption and intermediate use of commodities and services.

There have been two special releases of the GTAP 11 Data Base since the last Advisory Board Meeting. The first, GTAP11c, is a bug-fix release that replaced data from Penn World Tables with those from the IMF to address issues associated with capital stock, depreciation and savings. The second, GTAP 11.1, disaggregated three new African countries: Angola, Sao Tome and Principe, and Burundi. This special release was only made available to Advisory Board Members and data contributors. In addition, we have released the Land Use and Cover, GDyn, GMig, and Circular Economy datasets. We also expect the imminent release of the MRIO prior to the Board Meeting.

The second and potentially final pre-release of GTAP 12 will be circulated prior to the board meeting. This release will include the 4 new countries (Chad and the 3 countries introduced in GTAP 11.1) and 12 countries with updated IO tables. Other input datasets have also been updated, namely: services trade data, income and factor taxes, labor splits and energy subsidies. Due to data restrictions, it is not possible to update EU domestic support for agriculture, resulting in the use of 2017 rates for 2019 reference year.

In addition, improvements have been made to the GTAP Data Base build process for Version 12, including enhanced automation, parallelization of key procedures, and removal of legacy dependencies such as Cygwin. The Fit procedure runtime was reduced from 2–3 hours to approximately 25 minutes, and the APT procedure from about 2 hours to just 7 minutes. These advancements contribute toward a faster, more robust, and reproducible pipeline.



GTAP Models

The Center for Global Trade Analysis oversees the development of two global general equilibrium models - the standard GTAP Model and its dynamic counterpart, GTAP-RD.

The GTAP Model webpage (<https://www.gtap.agecon.purdue.edu/models/current.asp>) is continually being updated to make available the latest versions of the GTAP version 7 suite of models in both stand-alone and RunGTAP formats. For year 2025/2026, the zip files of GTAP-RD (Recursive Dynamic) suite of models will also be posted.

GTAP Models: Current GTAP Model

Standard Model

The standard GTAP Model is a multiregion, multisector, computable general equilibrium model, with perfect competition and constant returns to scale. Innovative aspects of this model include:

- The treatment of private household preferences using the non-homothetic CDE functional form.
- The explicit treatment of international trade and transport margins. Bilateral trade is handled via the Armington assumption.
- A global banking sector which intermediates between global savings and consumption.

The GTAP Model also gives users a wide range of closure options, including unemployment, tax revenue replacement and fixed trade balance closures, and a selection of partial equilibrium closures (which facilitate comparison of results to studies based on partial equilibrium assumptions).

The GTAP Model was initially documented in the GTAP Book. Recent changes in the structure can be found below:

- [The Standard GTAP Model, Version 7](#), by Corong et al., Journal of Global Economic Analysis, 2017



[Standard GTAP Model v7 - Quick Reference Card](#)

- [Global Trade Analysis: Modeling and Applications](#), by T.W. Hertel (ed.)
- [A Graphical Exposition of the GTAP Model](#) by Brockmeier, Martina
- [A Note On Changes Since GTAP Book Model](#) by Itakura, K. and T. Hertel, 2000
- [A New Regional Household Demand System for GTAP](#) by McDougall, R., GTAP Working Paper No. 14, 2000
- [A General Welfare Decomposition for CGE Models](#) by Hanslow, K., GTAP Technical Paper No. 19, 2000
- [Decomposing Welfare Changes in GTAP](#) by Huff, K. and T. Hertel, GTAP Technical Paper No. 05, 2001
- [Two Small Extensions to SALTER](#) by McDougall, R., SALTER Working Paper Number 12, 1993
- [A Note on the CES Functional Form and Its Use in the GTAP Model](#) by Gohin, A. and T. Hertel
- [Notes on Final Demand in the Presence of Non-homothetic, Weak Separability](#) by Hertel, T.
- [References for GTAP Data Base and Model](#)

The model code is also available for download:

Model (version 7)	Current version		Documentation
	RunGTAP	Stand-alone	
Standard GTAP	download	download	view
GTAP-AEZ	download	download	view
GTAP-E	download	download	view
GTAP-Power	download	download	view

Center Research Portfolio



Research Projects

Center for Global Trade Analysis faculty/staff undertook the following research projects during the past year.

Project Title:	Framework Data: HDR – Extensible Geospatial Data Framework towards FAIR Science
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Sponsor:	NSF
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Staff Involved:	Uris Baldos
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Project Title:	AccelNet: GLASSNET – Networking Global to Local Analyses to Inform Sustainable Investments in Land and Water Recourses
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Sponsor:	NSF
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Staff Involved:	Tom Hertel, Dominique van der Mensbrugghe,
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Project Title:	HDR Institute: Geospatial Institute for Digital Innovation to Enhance Resilience and Sustainability
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Sponsor:	UIUC/NSF
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Staff Involved:	Tom Hertel, Iman Haqiqi
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Project Title:	PCHEs – Understanding Multi-Stressor and Multi-Scale Drivers of Feedbacks, Cascading Failures, and Risk Management Pathways within Complex MSD Systems
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Sponsor:	Pennsylvania State University
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Staff Involved:	Iman Haqiqi, Jing Liu, Alfredo Cisneros Pineda
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Project Title:	GTAP Modeling of Indirect Effects for Sustainable Aviation Fuels
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Sponsor:	Argonne National Laboratory
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Staff Involved:	Dominique van der Mensbrugghe, Maksym Chepeliev, Lauren Benavidez
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Project Title:	Techno-economic and lifestyle analysis of alternative aviation biofuels supply chains
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Sponsor:	FAA
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Staff Involved:	Dominique van der Mensbrugghe, Maksym Chepeliev, Erwin Corong
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Project Title:	Climate Impact on Agricultural Markets: Enhancing Environmental Modeling Capabilities
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Sponsor:	ERS
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Staff Involved:	Dominique van der Mensbrugghe, Uris Baldos, Erwin Corong, Alla Golub
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Project Title:	Assessing the effects of environmental policy changes and agricultural resiliency on climate indicators and global food security: Converting the GTAP Model into an Integrated Assessment Model
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Sponsor: ERS
Staff Involved: Dominique van der Mensbrugghe, Erwin Corong, Alla Golub

Project Title: AFRI: Labor Markets and the Impacts of Environmental Stresses and Conservation Policies on US Agriculture

Sponsor: NIFA
Staff Involved: Tom Hertel, Srabashi Ray

Project Title: Meeting 21st Century Objectives in Livestock Sectors: Challenges and Opportunities

Sponsor: NIFA, USDA
Staff Involved: Dominique van der Mensbrugghe, Maksym Chepeliev, Alla Golub

Project Title: Climate Change and the Global Bioeconomy: How Forest and Agricultural Adaptation Influence the Supply of Bioenergy and Carbon Credits

Sponsor: Ohio State University
Staff Involved: Alla Golub

Project Title: GTAP-IAM with Multi-Cropping with Detailed Land Use, and Mainstreaming Biofuel Data Base and Model Specification

Sponsor: Office of the Chief Economist
Staff Involved: Erwin Corong, Dominique van der Mensbrugghe, Uris Baldos, Maksym Chepeliev, Angel Aguiar, Alla Golub, Thiago Simonato, Zhan Wang

Project Title: Enabling Farmer Discovery and Managing Critical Tradeoffs with the Emergence of National Scale Carbon Markets

Sponsor: Ohio State University
Staff Involved: Tom Hertel, Jing Liu

Project Title: CGE Modelling for Azerbaijan Fiscal Policy Note and Global Supply Chain Analysis

Sponsor: World Bank
Staff Involved: Maksym Chepeliev

Project Title: CFDAS Seed Grant-Food Demand Analysis and Sustainability Project

Sponsor: Purdue University
Staff Involved: Maksym Chepeliev

Project Title: Modeling economic implications of the U.S. trade policies

Sponsor: World Bank
Staff Involved: Maksym Chepeliev, Dominique van der Mensbrugghe, Erwin Corong, Pattawee (Bob) Puangchit

Project Title: Trade Policy, Food Security, and Climate Change: A General-Equilibrium Analysis

Sponsor: World Bank

Staff Involved: Maksym Chepeliev, Dominique van der Mensbrugghe, Erwin Corong, Thiago Simonato

Project Title: Improving Food Resilience in the UAE

Sponsor: Aurelius42

Staff Involved: Alla Golub

Project Title: GTAP-RD-TRADE Single Suite Modelling

Sponsor: DG Trade

Staff Involved: Erwin Corong

Project Title: Tauhokohoko: Indigenising trade policy and enabling mana motuhake through Indigenous trade

Sponsor: University of Waikato

Staff Involved: Erwin Corong

Project Title: Impact of Trade Policy on Land Use

Sponsor: European Commission

Staff Involved: Erwin Corong

Project Title: ENTICE- Enhanced Understanding of Trade Impacts on Climate, Industries, and the Environment

Sponsor: E3 – Modelling

Staff Involved: Dominique van der Mensbrugghe, Maksym Chepeliev

Project Title: Biofuel GHG Scenario Modeling

Sponsor: EPA

Staff Involved: Dominique van der Mensbrugghe, Erwin Corong, Angel Aguiar, Maksym Chepeliev

Project Title: INFEWS

Sponsor: NSF

Staff Involved: Tom Hertel, Jing Liu, Zhan Wang, Elizabeth Fraysse



Publications

Center for Global Trade Analysis faculty/staff published the following during the past year.

- Aguiar, A., & Walmsley, T. (2025). GTAP-Migration (GMig2) for GTAP 11 (GTAP Research Memorandum No. 38). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from <https://doi.org/10.21642/GTAP.RM38>
- Aguiar, A. (2024). Chapter 10B: Services Trade Data (). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7410
- Aguiar, A. (2024). Chapter 9B: Disaggregation of Input-Output Tables (Center for Global Trade Analysis). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7119
- Akridge, Jay T. and Thomas W. Hertel, 2024. “Building and Sustaining Successful Complex Research, Education, and Engagement Collaborations”. *Journal of Research Administration*, forthcoming.
- Bajaj, Kushank, Zia Mehrabi, Thomas Kastner, Jonas Jägermeyr, Christoph Müller, Florian Schwarzmüller, Thomas W. Hertel, and Navin Ramankutty. 2025. “Current Food Trade Helps Mitigate Future Climate Change Impacts in Lower-Income Nations.” *PLOS ONE* 20 (1): e0314722. <https://doi.org/10.1371/journal.pone.0314722>.
- Baldos, U.B. and E. Corong (2025). “Development of GTAP version 11 Land Use and Land Cover database for years 2004, 2007, 2011, 2014 and 2017”, GTAP Memorandum No. 39. Center for Global Trade Analysis, Purdue University.
- Baldos, Uris, Keith Fuglie, Alfredo Cisneros-Pineda and Thomas W. Hertel. 2025. “Adoption of improved crop varieties limited biodiversity losses, terrestrial carbon emissions and cropland expansion in the tropics”, *Proceedings of the National Academy of Sciences*, 122(6)e2404839122 <https://doi.org/10.1073/pnas.2404839122>
- Bekkers, E., E. Corong, J. Metivier, and D. Orlov (2024). “How will Trade Patterns Evolve in the Long Run”. *The World Economy* 47:8.
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- Chepeliev, M. 2024. The War in Ukraine, Agricultural Value Chains and EU Policy Responses. Transatlantic Trade Politics Network Policy Brief. Carleton University, Center for Policy Studies. <https://carleton.ca/tradenetwork/wp-content/uploads/Transatlantic-Trade-Politics-Network-Policy-brief-Maksym-Chepeliev-April-2024.pdf>
- Chepeliev, Maksym, Andrea Liverani, Arvind Nair and Dominique van der Mensbrugghe. 2024. “Azerbaijan: Pathways for Decarbonization in a Global Context.” *Climate Policy*, 24(6):723–738. <https://doi.org/10.1080/14693062.2024.2330378>
- Chepeliev, M., Diachuk, O., Podolets, R., Semeniuk, A. and Trypolska, G., 2024. Net-Zero Transition in Ukraine: Implications for Sustainable Development Goal 7. In *Aligning the Energy Transition with the Sustainable Development Goals: Key Insights from Energy System Modelling* (pp. 269-290). Cham: Springer Nature Switzerland.

- Chepeliev, Maksym, George Giannakidis, Amit Kanudia and Dominique van der Mensbrugghe. 2024. “Implications of the Net Zero Transition Scenarios on SDG Indicators: Linking Global Energy System, CGE and Atmospheric Source-Receptor Models.” In Labriet, Maryse , Kari Espegren, George Giannakidis, Brian Ó Gallachóir, editors, *Aligning the Energy Transition with the Sustainable Development Goals: Key Insights from Energy System Modelling*, Springer Cham pp. 41-66, 2024.
- Chepeliev, M., Liverani, A., Nair, A., and van der Mensbrugghe, D. 2024. How COP29 host Azerbaijan could boost growth through climate action. Carbon Brief Guest Post. <https://www.carbonbrief.org/guest-post-how-cop29-host-azerbaijan-could-boost-growth-through-climate-action/>
- Chepeliev, Maksym, Maryla Maliszewska, Israel Osorio-Rodarte, Maria Filipa Seara e Pereira and Dominique van der Mensbrugghe. 2024. “Lowering trade barriers improves income distribution and economic resiliency.” *Journal of Policy Modeling*. <https://doi.org/10.1016/j.jpolmod.2024.09.004>
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- Haqiqi, Iman and Thomas W. Hertel (editors), 2025. SIMPLE-G: A Gridded Economic Approach to Sustainability Analysis of the Earth’s Land and Water Resources, Switzerland: Springer.
- Hertel, Thomas W. 2025. “Economic Analysis of Global and Local Policies for Respecting Planetary Boundaries” ICAE Elmhirst Lecture, New Delhi, published in *Agricultural Economics*, 01-13 <https://doi.org/10.1111/agec.70008>
- Keys, Pat., Elizabeth A. Barnes, Noah S. Diffenbaugh, Thomas W. Hertel, Uris L.C. Baldos, and Johanna Hedlund. 2025. “Exposure to compound climate hazards transmitted via global agricultural trade networks”, *Environmental Research Letters* <https://iopscience.iop.org/article/10.1088/1748-9326/adb86a>
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- Ray, Srabashi and Thomas Hertel. 2024. “Effectiveness and distributional impacts of conservation policies: The role of labor markets”, *Environmental and Resource Economics*, <https://doi.org/10.1007/s10640-024-00950-2>
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- Taheripour, F., Chepeliev, M., Aquiar, A., Sajedinia, E. (2025). “An Overview of GTAP-BIO model,” in Kwon H., Liu X., Kar S., Cai H., and Wang M. (2025). Expansion of Carbon Calculator for Land Use and Land Management Change from Biofuels Production (CCLUB) to Address Induced Land Use Changes and Other Indirect Effects of Clean Fuel Production for R&D GREET 2024. (No. ANL/ESIA-24/22). Argonne National Laboratory (ANL), Argonne, IL (United States).

- Taheripour, F., Chepeliev, M., Aquiar, A., Sajedinia, E. (2024). “An Overview of GTAP-BIO model,” in Wang, M., Cai, H., Lee, U., Kar, S., Sykora, T., & Liu, X. (2024). Development of R&D GREET 2023 Rev1 to Estimate Greenhouse Gas Emissions of Sustainable Aviation Fuels for 40B Provision of the Inflation Reduction Act (No. ANL/ESIA-24/9). Argonne National Laboratory (ANL), Argonne, IL (United States).
- Taheripour, F., I. Haqiqi, A. Golub, E. Sajedinia, and O. Karami. 2024. “Hydroeconomic insights for transboundary water challenges and potential collaboration in the Tigris-Euphrates river basin.” *Environmental Research Communications*, 6(2024):115030
- van der Mensbrugghe, Dominique, “Flexible nesting using standard GAMS,” presentation at the 27th Annual Conference on Global Economic Analysis, Fort Collins, CO, 5-7 June, 2024.
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- Wang, Zhan, and Thomas Hertel. 2024. “SMART Handout: An Innovative Tool to Empower Applied General Equilibrium Teaching.” *Journal of Global Economic Analysis* 9 (1): 45–61.
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- Zhao, X., Chepeliev, M., Patel, P., Wise, M., Calvin, K., Narayan, K., Vernon, C. 2024. gcamfaostat: An R package to prepare, process, and synthesize FAOSTAT data for global agroeconomic and multisector dynamic modeling. *The Journal of Open Source Software*, April 22, 2024. DOI: 10.21105/joss.06388

Center Research Portfolio



Presentations

Center for Global Trade Analysis faculty/staff presented the following during the past year.

Arndt, Channing. “Trade and the environment in an inter-connected world.” Google modeling community (virtual). May 13, 2025.

Arndt, Channing. “Economywide risk profiles: A novel approach.” The World Bank (virtual). April 11, 2025.

Arndt, Channing. “The new international trade environment and developing countries.” International Food Policy Research Institute, Washington DC. March 21, 2025.

Arndt, Channing. “Climate and growth: Be skeptical of climate damage projections from cross-country panels.” With Tim Thomas. International Food Policy Research Institute, Washington DC. February 25, 2025.

Aguiar, A. (2024). US Trade Policy Stagnation: the effects on US Agriculture (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7327

Akgul, Z., Corong, E., & Antimiani, A. (2024). *GTAP-HET Reloaded: An Integration of Firm Heterogeneity into the GTAP Version 7 Model* (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7274

Chepeliev, M. GTAP Virtual Seminar Series, Vol 6, No 2 (2025). April 8, 2025. Presented: “Global Trade Analysis Project (GTAP) Circular Economy Data Base”.

Chepeliev, M. European Institute on Economics and the Environment (EIEE). April 7, 2025, Milan, Italy. Presented: “Global Trade Analysis Project (GTAP) Circular Economy Data Base: Policy Applications and Future Extension”.

Chepeliev, M., Gatto, A., Jennings, A.D., van der Mensbrugghe, D. Agricultural Model Intercomparison and Improvement Project (AgMIP) 10th annual workshop. CIMMYT, El Batán, Mexico, March 31-April 4, 2025. Presented: “Global transition to healthier diets reduces overall trade in agricultural commodities but increases import dependency”.

Chepeliev, M. and Gatto, A. Agricultural Model Intercomparison and Improvement Project (AgMIP) 10th annual workshop. CIMMYT, El Batán, Mexico, March 31-April 4, 2025. Presented: “Bending the curve of food loss and waste (FLW) generation requires coupling global dietary shifts with targeted FLW reduction policies”.

Chepeliev, M. DECMAR – 1st ICC Workshop on Maritime Decarbonization & International Trade Modeling. Euro-Mediterranean Center on Climate Change (CMCC), Milan, Italy, March 12, 2025. Presented (online): “GTAP Data Base and ENVISAGE CGE model”.

Chepeliev, M., van der Mensbrugghe, D., Simonato, T., Wojtowicz, C., Nihal Yilmaz, A., Bekkers, E. American Geophysical Union (AGU) meeting, 9-13 December, 2024, Washington, D.C., USA. Presented: “Representing critical minerals supply chains in the global energy-economic models”.

- Chepeliev, M. and Taheripour, F. Livable Planet Authors' Workshop organized by the World Bank Group. World Bank, Washington, DC, USA, 9-10 December, 2024. Presented (online): “Drivers of changes in global emissions over time: The role of socio-economic and technological factors”.
- Chepeliev, M., Gatto, A., Hertel, T., Simonato, T. International Agricultural Trade Research Consortium (IATRC) Annual Meeting, Fort Lauderdale, FL, USA, 8-10 December, 2024. Presented: “Policy Solutions for Transitioning to Healthier and Sustainable Diets in the United States”.
- Chepeliev, M., Gatto, A. International Agricultural Trade Research Consortium (IATRC) Annual Meeting, Fort Lauderdale, FL, USA, 8-10 December, 2024. Presented: “Global Dietary Transition and Food Loss and Waste Reduction: Impacts and Interactions”.
- Chepeliev, M., Gatto, A., Jennings, A.D., van der Mensbrugghe, D. International Agricultural Trade Research Consortium (IATRC) Annual Meeting, Fort Lauderdale, FL, USA, 8-10 December, 2024. Presented: “Global Transition to Healthier Diets Reduces Overall Trade in Agricultural Commodities But Increases Import Dependency”.
- Chepeliev, M. and van der Mensbrugghe, D. International Workshop on Integrated Assessment Modeling on Climate Change and Circular Economy, Seoul, South Korea, 8 November, 2024. Presented: “Circular Economy Transition in Europe: Impacts and Interactions”.
- Chepeliev, M., Liverani, A., Nair, A. and van der Mensbrugghe, D. Integrated Assessment Modeling Consortium (IAMC) 17th Annual Meeting, Seoul, South Korea, 4-6 November, 2024. Presented: “Azerbaijan: Pathways for Decarbonization in a Global Context”.
- Chepeliev, M., Gatto, A., Hertel, T., Simonato, T. Integrated Assessment Modeling Consortium (IAMC) 17th Annual Meeting, Seoul, South Korea, 4-6 November, 2024. Presented: “Policy solutions for transitioning to healthier and sustainable diets in the United States”.
- Chepeliev, M., Giannakidis, G., Kanudia, A., and van der Mensbrugghe, D. Integrated Assessment Modeling Consortium (IAMC) 17th Annual Meeting. Online poster session. Presented: “Implications of the Net Zero Transition Scenarios on SDG Indicators: Linking Global Energy System, CGE and Atmospheric Source-receptor Models”.
- Chepeliev, M. and van der Mensbrugghe, D. “Role of Critical Minerals and Materials in the Energy System Transition” workshop. September 19-20, 2024, University of Maryland, College Park, USA. Presented: “Incorporating critical minerals into the GTAP database”.
- Chepeliev, M., Golub, A., Simonato, T., van der Mensbrugghe, D., Cao, P., Gonzalez Fischer, C., Herrero, M., Mason-D’Croz, D. 2024 AAEA Annual Meeting, New Orleans, LA, USA, July 28-30. Presented: “Dietary change impacts on livestock sector in the United States and potential contribution to Methane Pledge”. Selected poster presentation.
- Chepeliev, M., Gatto, A., Hertel, T., Simonato, T. 2024 AAEA Annual Meeting, New Orleans, LA, USA, July 28-30. Presented: “Policy solutions for transitioning to healthier and sustainable diets in the United States”.
- Chepeliev, M. 30th International Input-Output Association Conference, 1st - 5th July 2024, Santiago, Chile. Presented: “Analyzing Critical Minerals Value Chains using the GTAP MRIO Data Base”.
- Chepeliev, M., Gatto, A., Hertel, T., Simonato, T. 30th International Input-Output Association Conference, 1st - 5th July 2024, Santiago, Chile. Presented: “Azerbaijan: Pathways for Decarbonization in a Global Context”.
- Chepeliev, M. 27th Annual Conference on Global Economic Analysis, Fort Collins, CO, USA. June 5-7. Presented: “Incorporating Critical Minerals to the GTAP Circular Economy Data Base.”
- Chepeliev, M. North Carolina State University First Annual Workshop in International Economics “Rethinking The Global Trading System”, May 9-10, 2024, Raleigh, NC, USA. Presented: “Trade policies, food affordability and healthy diets”.

- Corong, E. (2024). *Assessing the economy-wide impacts of domestic and international climate policies using the GTAP Integrated Assessment Model (GTAP-IAM)* (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7318
- Golub, A., Grant, J., Arita, S., & Sharon, S. (2024). *Analysis of trade policies with CAT linked livestock-crop model in the context of the ERS USDA International Baseline* (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7219
- Hertel, T.W., “Economic Impacts of Global and Local Policies for Respecting Planetary Boundaries”, UN Human Development Report Office, New York, NY, December 2, 2024.
- Hertel, T.W., “Economic Analysis of Global and Local Policies for Respecting Planetary Boundaries”, Elmhirst Lecture given at the triennial meetings of the International Association of Agricultural Economists, New Delhi, India, August 3, 2024.
- Hertel, T.W. and Iman Haqiqi, “Economic Analysis of Planetary Boundaries: Six Lessons”, presentation at the 27th Conference on Global Economic Analysis, Fort Collins, Colorado.
- Horeh, M.B., Johnson, D.R., Liu, J., Chepeliev, M., Zuidema, S. 2024 AAEA Annual Meeting, New Orleans, LA, USA, July 28-30. Presented: “Co-Benefits of Climate Change Mitigation and Sustainable Agriculture Policies Through Reinvestment of Carbon Pricing Revenues in Best Management Practices”.
- “Meeting a Net Zero target: Global GHG impacts of land-based mitigation in the UK.” Poster presented at the Agricultural and Applied Economics Association Annual Meeting, New Orleans, LA, July 28-30, 2024. Based on working paper (4).
- Pereira, M., Aguiar, A., & Corong, E. (2024). Modeling Savings and International Economic Flows in the GTAP Version 7 Model (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7269
- Puangchit, P., & Corong, E. (2024). *Impact of Non-Tariff Measures on ASEAN Trade: A Panel Data Approach* (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7302
- Taheripour, F., Chepeliev, M., Aguiar, A., & Sajedi-Nia, E. (2024). Assessing induced economic and environmental impacts of biofuels and their consequential life-cycle analyses in a computable general equilibrium framework: An exercise with GTAP-BIO model (Presented during the 27th Annual Conference on Global Economic Analysis (Fort Collins, Colorado, USA)). Purdue University, West Lafayette, IN: Global Trade Analysis Project (GTAP). Retrieved from https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=7262
- van der Mensbrugghe, Dominique, “The Global Trade Analysis Project (GTAP): Core Data and Extensions,” presentation at the International Impact Measurement and Valuation Workshop, DG-Environment, European Commission, Brussels 17-Sep-2024
- van der Mensbrugghe, Dominique, “Future of agri-food systems: business-as-usual vs. sustainability,” presentation at the China Center for Agricultural Policy, Peking University, Beijing, 8-Oct-2024
- van der Mensbrugghe, Dominique, “Future of agri-food systems: business-as-usual vs. sustainability,” presentation at the Academy of Mathematics and System Science (AMSS), Chinese Academy of Sciences (CAS), Beijing, 9-Oct-2024

van der Mensbrugghe, Dominique, “Impacts of anticipated trade policies in a new Trump administration scenario,” presentation at the Institutes of Science and Development, Chinese Academy of Sciences (CAS), Beijing, 10-Oct-2024

van der Mensbrugghe, Dominique, “Future of agri-food systems: business-as-usual vs. sustainability,” presentation at the Forum on Resilience of Agri-food Supply Chains and Rural Revitalization, World AgriFood Innovation (WAFI) Conference, Beijing, 12-Oct-2024

Center Awards and Recognition



Awards

Center for Global Trade Analysis faculty/staff were honored with the following awards during the past year.

- **2024 Purdue University Teaching Excellence Apple Recipient**
 - Zeynep Akgul, Ginger Batta, Amanda Countryman
- **2024 Publication of Enduring Quality Award, Agricultural & Applied Economics Association**
 - Thomas Hertel
- **2025 Purdue University Department of Agricultural Economics, Outstanding Professional Staff Award**
 - Holly McIntire
- **Mentoring Award, Agricultural & Applied Economics Association**
 - Thomas Hertel



GTAP Consortium and Advisory Board

Guidance and base-level support for the Center for Global Trade Analysis is provided by the GTAP Consortium, which unites members from government agencies, international institutions, the private sector, and academia. Members of the consortium are represented on the GTAP Advisory Board, which advises the Center for Global Trade Analysis on matters of policy, research and funding.

Consortium Agency	Board Representative	Meeting Attendee
Asian Development Bank	Jong Woo Kang	Neil Foster-McGregor
Centre d'Etudes Prospectives et d'Information Internationales	Antoine Bouët	<i>Not represented</i>
Department for Business & Trade	Catherine Milot	<i>Not represented</i>
Department for Environment, Food and Rural Affairs	Mike Bourne	Mike Bourne
Economic and Social Research Institute, Cabinet Office	Susumu Suzuki	Susumu Suzuki
Economic Research Institute for ASEAN and East Asia	Lurong Chen	Aladdin D. Rillo
Economic Research Service of the US Department of Agriculture	Utpal Vasavada	<i>Not represented</i>
European Commission - DG Trade	Jan Schmitz	Jan Schmitz
European Commission - Joint Research Centre	Matthias Weitzel	Matthias Weitzel
Food and Agriculture Organization of the United Nations	Aikaterini Kavallari	Aikaterini Kavallari
Global Affairs Canada	Shenjie Chen	Shenjie Chen
Infinite Sum Modelling, LLC	Badri Narayanan	Badri Narayanan
Inter-American Development Bank	Paolo Giordano	<i>Not represented</i>
International Food Policy Research Institute	Fousseini Traore	Fousseini Traore
International Monetary Fund	Hugo Rojas-Romagosa	Hugo Rojas-Romagosa
International Trade Centre	Mondher Mimouni	<i>Not represented</i>
KPMG International Services Limited	Matthew Weston	<i>Not represented</i>
McKinsey & Company, Inc.	Jeffrey Condon	Jeffrey Condon
MIT Center for Sustainability Science and Strategy	Sergey Paltsev	<i>Not represented</i>
Organisation for Economic Co-operation and Development	Przemyslaw Kowalski	Rob Dellink
Pekin University	Wei Xie	Wei Xie
The World Bank	Maryla Maliszewska	Maryla Maliszewska
Thünen Institute of Market Analysis	Janine Pelikan	Janine Pelikan
United Nations Conference on Trade and Development	Ralf Peters	<i>Not represented</i>
United Nations Economic and Social Commission for Western Asia	Mohamed Abdelbasset Chemingui	Mohamed Abdelbasset Chemingui
United Nations Economic Commission for Africa	Stephen Karingi	Stephen Karingi
US Department of Commerce	Chris Rasmussen	<i>Not represented</i>
US Environmental Protection Agency	Andrew Schreiber	<i>Not represented</i>
US International Trade Commission	William Powers	<i>Not represented</i>
Wageningen Economic Research	Hans van Meijl	Hans van Meijl
World Trade Organization	Eddy Bekkers	Eddy Bekkers
Member at Large (Software/Modeling Community)		Michael Jerie
Member at Large (Environment/Sustainability Community)		Ruth Delzeit
Member at Large (Trade/Globalization Community)		Anna Strutt

People



Center for Global Trade Analysis

GTAP is coordinated by the [Center for Global Trade Analysis](#), which was founded in 1992 by Thomas Hertel and is housed in the Department of Agricultural Economics at Purdue University.

