



Global Trade Analysis Project

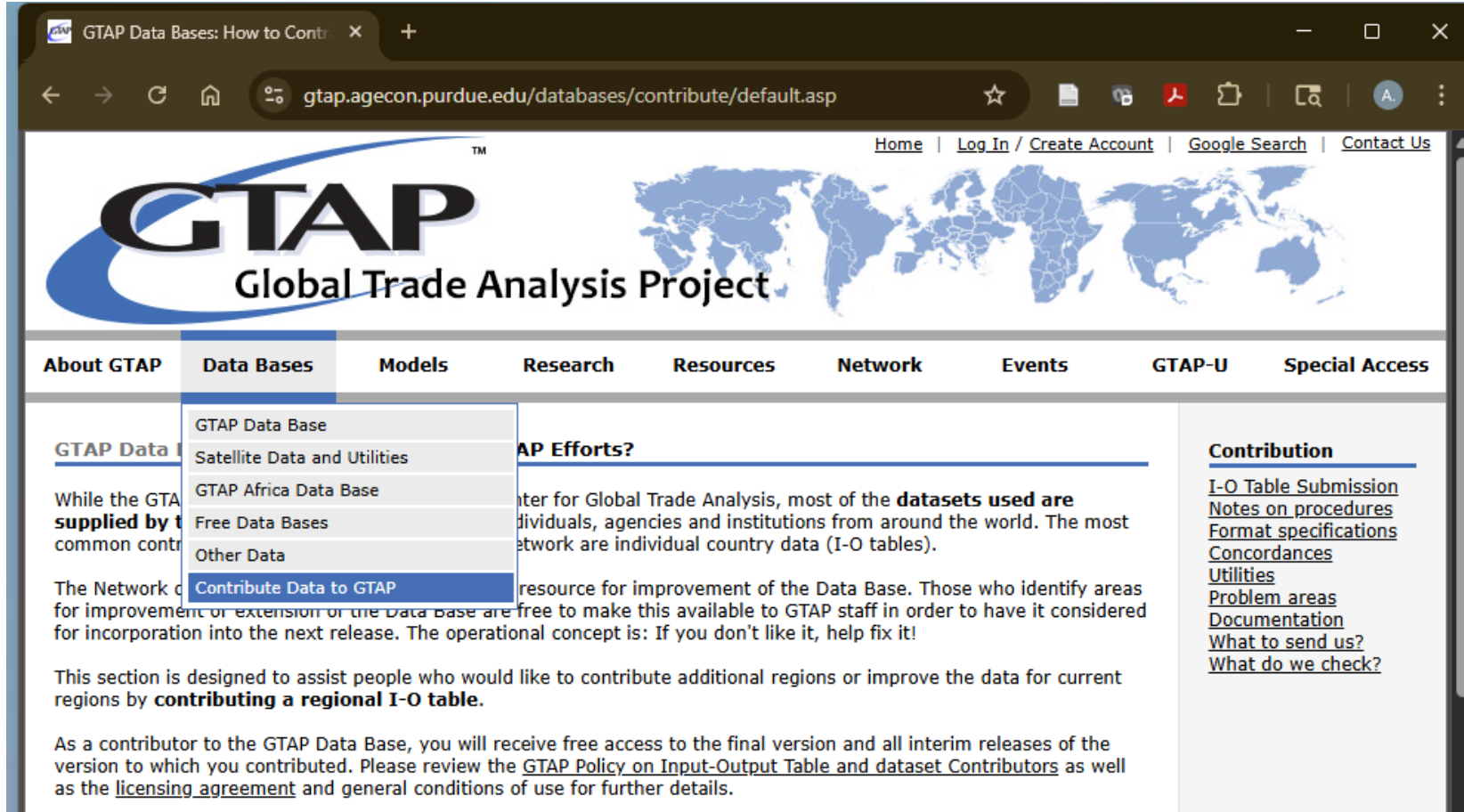
From compiled data to the release of a new version of GTAP Data Base

Angel Aguiar

Center for Global Trade Analysis, Purdue University

28th Annual Conference on Global Economic Analysis
“Accelerating Economic Transformation, Resilience, Diversification, and Job Creation”

How to contribute to GTAP Efforts?



The screenshot shows a web browser window with the address bar displaying `gtap.agecon.purdue.edu/databases/contribute/default.asp`. The page features the GTAP logo and a world map. A navigation menu includes links for Home, Log In / Create Account, Google Search, and Contact Us. The main content area is titled "GTAP Data Bases" and includes a dropdown menu with options: GTAP Data Base, Satellite Data and Utilities, GTAP Africa Data Base, Free Data Bases, Other Data, and Contribute Data to GTAP. The "Contribute Data to GTAP" option is selected. The page text explains that while the GTAP Data Base is primarily composed of data supplied by individuals, agencies, and institutions from around the world, the most common contributors are individual country data (I-O tables). It encourages users to contribute data for improvement or extension of the Data Base, noting that contributors will receive free access to the final version and all interim releases of the version to which they contributed. The page also mentions the GTAP Policy on Input-Output Table and dataset Contributors, as well as the licensing agreement and general conditions of use for further details. A sidebar on the right lists various contribution-related links under the heading "Contribution".

GTAP Data Bases: How to Contribute

Home | Log In / Create Account | Google Search | Contact Us

GTAP Global Trade Analysis Project

About GTAP | Data Bases | Models | Research | Resources | Network | Events | GTAP-U | Special Access

GTAP Data Bases

- GTAP Data Base
- Satellite Data and Utilities
- GTAP Africa Data Base
- Free Data Bases
- Other Data
- Contribute Data to GTAP**

How to Contribute to GTAP Efforts?

While the GTAP Data Base is primarily composed of data **supplied by** individuals, agencies and institutions from around the world. The most common contributors are individual country data (I-O tables).

The Network of GTAP Data Bases is a resource for improvement of the Data Base. Those who identify areas for improvement or extension of the Data Base are free to make this available to GTAP staff in order to have it considered for incorporation into the next release. The operational concept is: If you don't like it, help fix it!

This section is designed to assist people who would like to contribute additional regions or improve the data for current regions by **contributing a regional I-O table**.

As a contributor to the GTAP Data Base, you will receive free access to the final version and all interim releases of the version to which you contributed. Please review the [GTAP Policy on Input-Output Table and dataset Contributors](#) as well as the [licensing agreement](#) and general conditions of use for further details.

Contribution

- [I-O Table Submission](#)
- [Notes on procedures](#)
- [Format specifications](#)
- [Concordances](#)
- [Utilities](#)
- [Problem areas](#)
- [Documentation](#)
- [What to send us?](#)
- [What do we check?](#)

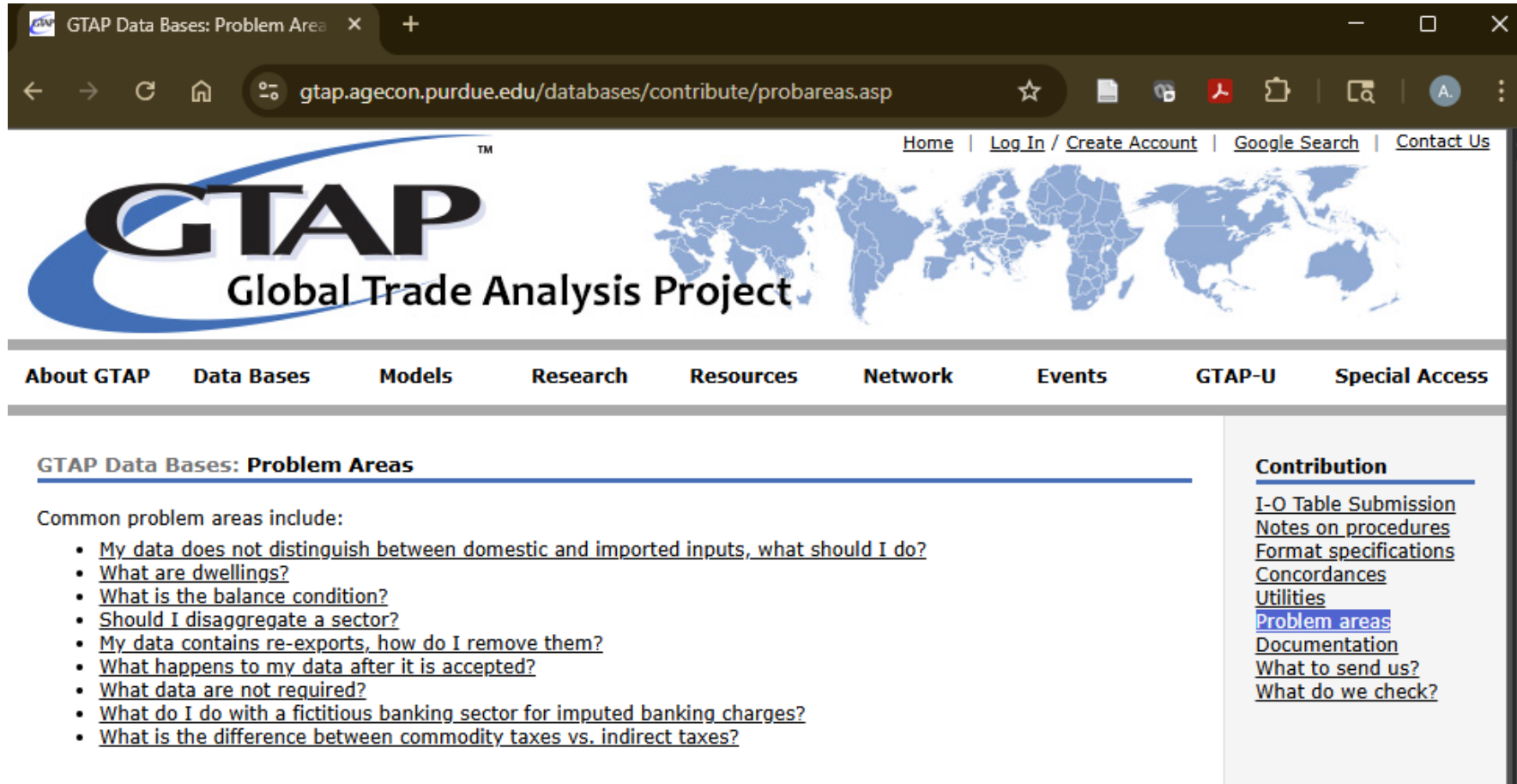
Contributor perk

- As a contributor to the GTAP Data Base, you will receive free access to the final version
 - Including all interim releases of the version to which you contributed.
 - This is preferential access (as a Board Member) before subscribers.
- GTAP models being open source
 - you could be in your way to run important analyses.
 - Relevant to your country of interest.

I-O Tables Requirements

- **Format expects an import matrix**
 - Specific order of final demands and value added (no land is okay)
- **Sectoral classification:**
 - Full 65 sectors not required; mandatory splits on agriculture, energy, other
- **Sign conditions: no negative flows except in changes in stocks**
 - Pre- and post- tax format
- **No ridiculous tax rates**
 - No tax information is okay
- **Sectoral balance condition**
 - Total sales = Total costs

What happens to my data after it is accepted?



The screenshot shows a web browser window with the address bar displaying `gtap.agecon.purdue.edu/databases/contribute/probareas.asp`. The page header features the GTAP logo (Global Trade Analysis Project) and a world map. Navigation links include Home, Log In / Create Account, Google Search, and Contact Us. A horizontal menu bar contains links for About GTAP, Data Bases, Models, Research, Resources, Network, Events, GTAP-U, and Special Access. The main content area is titled "GTAP Data Bases: Problem Areas" and lists common problem areas. A sidebar on the right titled "Contribution" lists various submission-related links.

GTAP Data Bases: Problem Areas

Common problem areas include:

- [My data does not distinguish between domestic and imported inputs, what should I do?](#)
- [What are dwellings?](#)
- [What is the balance condition?](#)
- [Should I disaggregate a sector?](#)
- [My data contains re-exports, how do I remove them?](#)
- [What happens to my data after it is accepted?](#)
- [What data are not required?](#)
- [What do I do with a fictitious banking sector for imputed banking charges?](#)
- [What is the difference between commodity taxes vs. indirect taxes?](#)

Contribution

- [I-O Table Submission](#)
- [Notes on procedures](#)
- [Format specifications](#)
- [Concordances](#)
- [Utilities](#)
- [Problem areas](#)
- [Documentation](#)
- [What to send us?](#)
- [What do we check?](#)

What happens to my data after it is accepted?

- Cleaning-your table is first clean of any small negatives or balancing differences.
- Disaggregation-any tables not disaggregated are disaggregated.
 - Agricultural data is obtained from the FAO to disaggregate agriculture, while the representative (average) table is used to disaggregate other sectors.
- Your table is then combined with macro, trade and protection data collected elsewhere.
 - Your I-O table provides the structure (shares) and the other data provide the values.

Sectoral Disaggregation

pdr	wht	gro	v_f	osd	c_b	pfb	ocr	ctl	oap	rmk	wol
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

SWZ



mus



cmr



Selected International Data Sources

Agricultural Data

FAO (www.fao.org/faostat)

Macro Data

WB (<http://wdi.worldbank.org/tables>), IMF

Trade Data

UN Comtrade (<https://comtradeplus.un.org>)

Protection Data

ITC (Tariff), OECD (PSE), WTO (Export subsidies)

Energy Data

IEA (www.iea.org/data-and-statistics), UN-EB

Government sector

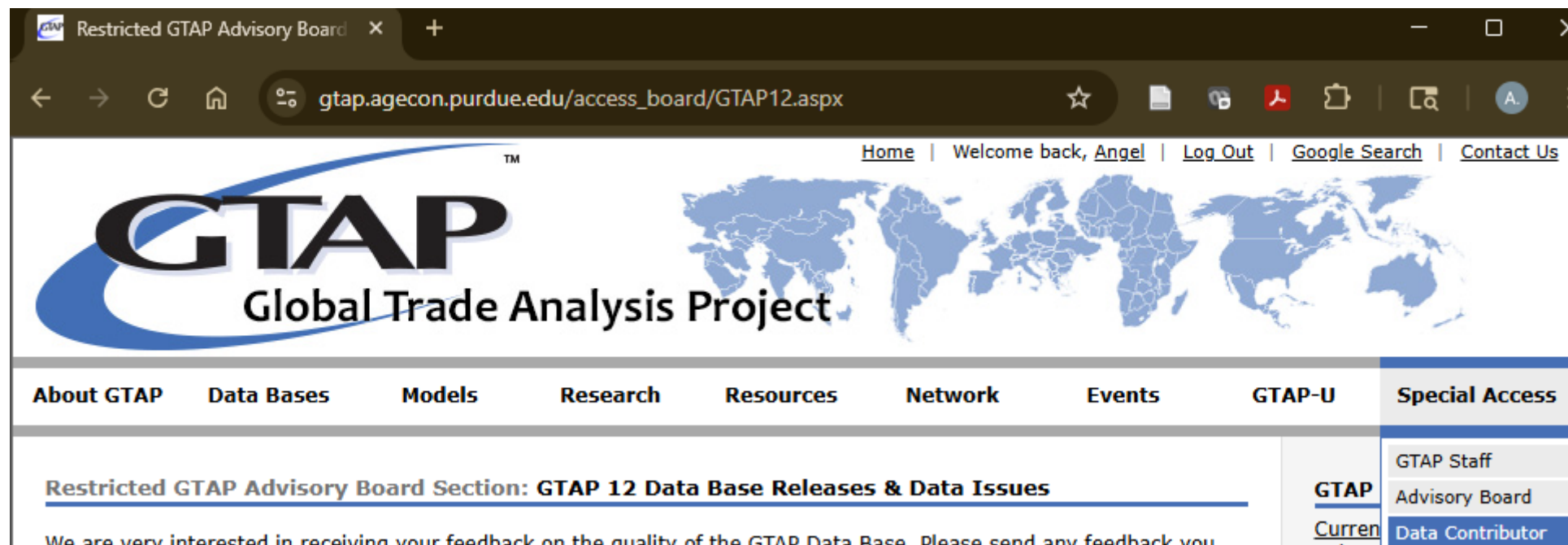
- Checked
 - Government purchases primarily from the government services sector
- Government consumption as a share of GDP?

REPORT	1 macro	2 IO	3 reject
110 cmr	0.121	0.121	0
122 tcd	0.042	0.096	1
128 bdi	0.235	0.103	1
134 mus	0.141	0.123	0
143 swz	0.249	0.212	0

Other changes

- Target the value of agricultural production
- Eliminate changes in stock
- **GDP = C + I + G + X – M, where trade is balanced**
- Protection data overrides: I-O tables
- Energy data overrides trade and I-O data
- Total labor payments are split by skill level
- The value added shares for agricultural and resource commodities are adjusted and replaced

Early Access to GTAP Releases



The screenshot shows a web browser window with the address bar displaying `gtap.agecon.purdue.edu/access_board/GTAP12.aspx`. The page header includes the GTAP logo (Global Trade Analysis Project) and a world map. The navigation menu contains links for Home, Welcome back, Angel, Log Out, Google Search, and Contact Us. The main content area is titled "Restricted GTAP Advisory Board Section: GTAP 12 Data Base Releases & Data Issues" and contains the text: "We are very interested in receiving your feedback on the quality of the GTAP Data Base. Please send any feedback you". A sidebar on the right lists links for GTAP Staff, Advisory Board, and Data Contributor.

Restricted GTAP Advisory Board

Home | Welcome back, Angel | Log Out | Google Search | Contact Us

GTAP
Global Trade Analysis Project

About GTAP | Data Bases | Models | Research | Resources | Network | Events | GTAP-U | **Special Access**

Restricted GTAP Advisory Board Section: GTAP 12 Data Base Releases & Data Issues

We are very interested in receiving your feedback on the quality of the GTAP Data Base. Please send any feedback you

GTAP
Current
Data Contributor

Contributor perk

- As a contributor to the GTAP Data Base, you will receive free access to the final version
 - Including all interim releases of the version to which you contributed.
 - This is preferential access (as a Board Member) before subscribers.
- GTAP models being open source
 - you could be in your way to run important analyses.
 - Relevant to your country of interest.

Data extensions and utilities

- Power database (GTAP-E)
- Int. Migration / Remittances
- International profit flows
- Land Use and Cover (AEZ)
- Multi-region Input Output
- Circular Economy
- Domestic Margins
- Energy volumes
- GHG emissions (CO2 & Non-CO2)
- Air pollution
- Bilateral Time Series Trade
- TASTE tool
- SSP aggregator
- Nutrition database