



GTAP Related Activities

The Thünen Institute is a German Federal Research Institute for Rural Areas, Forestry and Fisheries under the auspices of the German Ministry of Food and Agriculture. The headquarters is in Braunschweig. The Thünen Institute comprises 15 specialized institutes that carry out research and provide policy advice in the fields of economy, ecology and technology.

Below is a short summary on GTAP related research activities of the Thünen Institute of Market Analysis in 2022/2023.

Staff

Currently nine researchers are involved in CGE related activities: Martin Banse, Tatjana Döbeling, Florian Freund, Julio G. Fournier Gabela, Inna Geibel, Janine Pelikan, Viktoriya Sturm, Verena Laquai, Omid Zamani.

Publications – Journals

- Döbeling T (2022) The access to CETA quotas: Extending CGE models with a market for quota licenses. **Q Open** 2(2):qoac019, [DOI:10.1093/qopen/qoac019](https://doi.org/10.1093/qopen/qoac019)
- Fournier Gabela, J.G & Freund, F. (2023) Potential carbon leakage risk: a cross-sector cross-country assessment in the OECD area. Forthcoming in **Climatic Change**.
- Springmann M, Freund F (2022) Options for reforming agricultural subsidies from health, climate, and economic perspectives. **Nature Comm** 13:82, DOI:10.1038/s41467-021-27645-2 813 KB
- Rieger, J., Freund, F., Offermann, F., Geibel, I. & Gocht, A.. (2023) From fork to farm: Impacts of more sustainable diets in the EU-27 on the agricultural sector. **Journal of Agricultural Economics**, 00, 1- 21. Available from: <https://doi.org/10.1111/1477-9552.12530>
- Zamani O, Chibanda C, Pelikan J (2022) Impacts of import restrictions on poultry producers in Ghana. **Q Open** 2(1):qoac007, [DOI:10.1093/qopen/qoac007](https://doi.org/10.1093/qopen/qoac007)

Publications and Conference Papers

- Döbeling T (2023) Modeling interacting tariff-rate quotas in the CGEbox, Conference paper will be presented during the 26th Annual Conference on Global Economic Analysis (Bordeaux, France)
- Fournier Gabela, J.G., Freund, F. (2023) Potential carbon leakage risk in agriculture under future EU-ETS scenarios. Conference Paper, 26th Annual Conference on Global Economic Analysis, Bordeaux
- Freund F, Springmann M (2023) Re-designing agricultural subsidies in sub-Saharan Africa, Conference Paper, 26th Annual Conference on Global Economic Analysis, Bordeaux
- Haß M, Deblitz C, Freund F, Kreins P, Laquai V, Offermann F, Pelikan J, Sturm V, Wegmann J, Witte T de, Wüstemann F, Zinnbauer M (2022) Thünen-Baseline 2022 - 2032: Agrarökonomische Projektionen für Deutschland. Braunschweig: Johann Heinrich von Thünen-Institut, 126 p, Thünen Rep 100, [DOI:10.3220/REP1667811151000](https://doi.org/10.3220/REP1667811151000)
- Laquai V (2023), Long-term challenges in cereal and oilseed markets - case studies analyzed with model systems. Göttingen: Georg-August-Univ, xxiii, 279 p, Göttingen, Univ, Fakultät für Agrarwissenschaften, Diss, 2022, <http://dx.doi.org/10.53846/goediss-9711>
- Pelikan J, Deblitz C, Assante-Addo C, Almadani I, Behrendt L, Boimah M, Chibanda C, Gunarathne A, Schott J, Thobe P, Weible D, Zamani O (2023) IMMPEX: Impact of meat and dairy exports on developing countries. Braunschweig:

IMMPEX-Team Thünen Institute of Market Analysis and Thünen Institute of Farm Economics, 64 p, [DOI:10.3220/MX1676369293000](https://doi.org/10.3220/MX1676369293000)

Pelikan J, Döbeling T (2022) Handelsabkommen zwischen der EU und Neuseeland: Folgen für den Agrar- und Ernährungssektor. Braunschweig: Thünen-Institut für Marktanalyse, 2 p, Project Brief Thünen Inst 2022/35, [DOI:10.3220/PB1664351814000](https://doi.org/10.3220/PB1664351814000)

Springmann M, Freund F (2023) Aligning value-added taxes on food with health and environmental considerations – two case studies for the UK and Germany, Conference Paper, 26th Annual Conference on Global Economic Analysis, Bordeaux

Zamani O, Chibanda C, Pelikan J (2023) Analyse der Handels- und Agrarpolitik: Die Geflügelsektoren von Senegal und Ghana. Braunschweig: Thünen-Institut für Marktanalyse, 2 p, Project Brief Thünen Inst 2023/11, [DOI:10.3220/PB1673258013000](https://doi.org/10.3220/PB1673258013000)

Zamani O, Chibanda C, Pelikan J (2022), Investigating Poultry Interventions in Ghana and Senegal, In: 25th Annual conference on global economic analysis, Virtual Conference, June 8-10, 2022.

Zamani O, Döbeling T, Pelikan J (2022), Selecting Sensitive Products Groups at the Tariff Line: Implications for the African Continental Free Trade Area, In: Africa's regional and global integration, International Conference, Bonn, November 17-18, 2022

Zamani O, Döbeling T, Pelikan J (2023), A Computational Framework to Select Sensitive Products at HS Level: Tariff Line: Implications for the African Continental Free Trade Area, Conference Paper will be presented during the 26th Annual Conference on Global Economic Analysis (Bordeaux, France)

Projects

1. BMEL (Federal Ministry of Food and Agriculture) project to analyze the effects of already decided regional trade agreements on the German and European agricultural sector.
2. BLE (Federal Office for Food and Agriculture) funded project (IMMPEX): Impact of European meat and dairy exports on developing countries. The focus is on Ghana and Senegal.
3. PhD project to include tariff-rate quotas (TRQs) into MAGNET and to compare the effects of various approaches (e.g. differently calculated tariff equivalents).
4. SoyImp is a BLE (Federal Office for Food and Agriculture) funded project to analyze the effectiveness of different possibilities to reduce soy imports and the resulting impacts on German and European actors in the agro-food value chain.
5. Impact of changing dietary patterns on German agriculture. PhD project.
6. Project about long-term mitigation policies for the agri-food sector (AGRILOP)
7. Project on agri-food policy options in Armenia (jointly with the team at the IAMO Institute, Halle (Saale), Germany)
8. MACSUR SciPol (Modelling European Agriculture with Climate Change for Food Security) is a project launched by the Joint Programming Initiative for Agriculture, Food Security and Climate Change (FACCE-JPI).

Other Activities

Cooperation with Wageningen Economic Research and DG JRC-Seville to further develop MAGNET (GTAP based model with extensions added in a modular structure).

Regular data update of the TASTE-software to analyze import tariffs at the detailed tariff line level (HS6 level).