

Joseph Francois (at large board member) activities

World Trade Institute:

I am the managing director of the World Trade Institute (www.wti.org). WTI is a multidisciplinary research center at the University of Bern. Its focus is on trade and investment regulation and management of globalization and sustainability. It offers a Masters in International Law and Economics (MILE), an LLM in international economic law, and various certificate and diploma programs. On the research side, the WTI is the coordinator for a long-term Swiss National Funds project on trade regulation (the WTI is the Swiss national center for competence, or NCCR, for trade regulation), several EC projects, including the PRONTO project on NTMs (<http://www.prontonetwork.org/>) and a new H2020 project on climate induced migration (<http://www.clisel.eu/>), and comparative projects on trade and investment treaties (<https://www.designoftradeagreements.org/> and http://www.snis.ch/project_diffusion-international-law-textual-analysis-international-investment-agreements). It was also the coordinating institution for the recent SNF 4rd (research for development) project on trade and labor market interactions. In the past year, the WTI has organized the annual World Trade Forum, jointly with the European University Institute (<https://www.wti.org/outreach/events/world-trade-forum-2017/>).

In the last year we introduced a new LLM program and CAS/DAS program, as well as doctoral school courses in international economics and international economic law.

My own research, data projects, etc:

Projection Analysis of Global Structural Change: I was in charge of a team conducting projection-based computational analysis of medium term structural changes to the global economy, and the mix of socio-economic and resource challenges this poses. (Global-IQ <http://www.global-iq.eu/>). Scientific output from this project included the impact of polar ice retreat on patterns of global trade and production (Bekkers, Francois, and Rojas-Romagosa 2017a,b), linkages between GVCs and cross-border carbon flows (Fernández-Amador, Francois, Oberdabernig, & Tomberger, 2017; Fernández, Francois, & Tomberger, 2016a,b), and linking local food security and international markets (Bekkers, Brockmeier, Francois, and Yang 2015, 2017).

European Trade Study Group: I continue as managing director of the European Trade Study Group. We organize the annual conference of European-based international trade economists. The conference typically has around 300 paper presentations, and is a major point for scientific networking and exchange of ideas. <http://www.etsg.org>.

Non-Tariff Measures: I am scientific director for the FP7 project PRONTO (productivity, non-tariff barriers, and openness) – www.prontonetwork.org. The PRONTO project is in the end stage of its first phase. We have been working with international agencies (the WTO, UNCTAD, UNITC, World Bank) and are stress-testing a number of datasets that characterize NTMs: levels of NTMs; types of NTMs; special provisions for NTMs in trade and investment agreements; time profiles for NTMs. These data will provide a new opportunity for applied research in this area for years to come. With the end of the FP7 funded stage, we are moving to a collaborative model for data updates and dissemination. This will include NTM estimates for goods and services mapped to GTAP sectors and regions, as well as more detailed HS6-level regulatory barrier indicators. These will be updated regularly.

Other open research databases: I have led teams developing MRIO-based data on value added content of trade, and employment linkages through GVCs, as well as a database on world trade in services. These data are distributed by the World Bank through the World Development Indicators Database.

<http://data.worldbank.org/data-catalog/export-value-added>

<http://data.worldbank.org/data-catalog/lacex> <http://data.worldbank.org/data-catalog/trade-in-services>

The Trade in Services database is currently being updated to reflect BOPM6 changes and to extend to 2014.

Recent publications using the GTAP database:

Bekkers, E.,M Brockmeier, JF Francois, F Yang (2017). "Local Food Prices and International Price Transmission," World Development, Volume 96, August 2017, Pages 216–230.
<http://www.sciencedirect.com/science/article/pii/S0305750X15308214>

Octavio Fernández-Amador, Joseph F. Francois, Doris A. Oberdabernig, Patrick Tomberger, 2017. "Carbon Dioxide Emissions and Economic Growth: An Assessment Based on Production and Consumption Emission Inventories."
Ecological Economics 135 (2017) 269–279.
<http://dx.doi.org/10.1016/j.ecolecon.2017.01.004>

Octavio Fernández-Amador, Joseph F. Francois and Patrick Tomberger, 2017.
"MRIO linkages and Switzerland's CO2 profile."
Aussenwirtschaft 67.3, 1-17.

Eddy Bekkers, Martina Brockmeier, Joseph Francois, Fan Yang 2017, "Local Food Prices and International Price Transmission," World Development (forthcoming).
<https://doi.org/10.1016/j.worlddev.2017.03.008>

Eddy Bekkers, Joseph Francois and Hugo Rojas-Romagosa 2017. "Melting Ice Caps and the Economic Impact of Opening the Northern Sea Route."
Economic Journal (forthcoming).
<http://10.1111/eoj.12460>

Octavio Fernández-Amador, Joseph F. Francois, Patrick Tomberger, 2016.
"Carbon dioxide emissions and international trade at the turn of the millennium."
Ecological Economics 125 (2016) 14–26.
<http://dx.doi.org/10.1016/j.ecolecon.2016.01.005>

Francois, Joseph, Amanda Leister, and Hugo Rojas-Romagosa. 2016. "Melting Ice Caps: Implications for Asia-North America Linkages and the Panama Canal." International Journal of Trade and Global Markets. Vol. 9, No.4 pp. 325 - 369.
<http://10.1504/IJTG.2016.10002005>

Yang, Fan, Eddy Bekkers, Martina Brockmeier, and Joseph Francois. 2015.

"Food price passthrough and the role of domestic margin services." *Journal of Agricultural Economics* 66, no. 3 (2015): 796-811.

<http://10.1111/1477-9552.12110>

Francois, J., M. Manchin and P. Tomberger (2015), "Services Linkages and the Value Added Content of Trade," *World Economy*, Volume 38, Issue 11 (November 2015): 1631–1649.

<http://onlinelibrary.wiley.com/doi/10.1111/twec.12307/full>

Egger, P, J Francois, M Manchin, D Nelson (2015), "Non-Tariff Barriers, Integration, and the Transatlantic Economy," *Economic Policy* 30 (83: 2015): 539-584.

<https://doi.org/10.1093/epolic/eiv008>

Reports/studies 2015-2017 with the GTAP database

EU-China Trade: Pelkmans, J., Hu, W., Mustilli, F., Di Salvo, M., Francois, J. F., Bekkers, E., ... & Tomberger, P. (2016). *Tomorrow's Silk Road: Assessing an EU-China Free Trade Agreement*, CEPS (Brussels)

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2782319

TTIP: J Francois, K Berden, J Pelkmans, P Messerlin (2016), TTIP and the EU Member States: An assessment of the economic impact of an ambitious Transatlantic Trade and Investment Partnership at EU Member State Level, WTI/CEPS (2016).

<http://boris.unibe.ch/83763/>

Bekkers, E. and J Francois (2016), "Calibrating a CGE model with NTBs that Incorporates Standard Models of Modern Trade Theory," Deliverable No. 2.3, Pronto FP7 project deliverable.

http://pronto.wti.org/media/filer_public/24/c5/24c5c467-88b1-4cfc-b72b-ec34f48f77ef/d23v02092015forwit_wps.pdf