Services Trade Data

by
Robert McDougall

Center for Global Trade Analysis
Purdue University
West Lafayette, Indiana, USA

GTAP 6

- Unilateral trade data: IMF, *Balance of Payments Statistics*
- Fill in missing values.
- Bilateralize on *pro rata* basis.

GTAP 7

- Bilateral trade data, CPB/OECD.
- Combine bilateral and unilateral trade data.
- Bilateral data:
  - for 2003 not 2004
  - 11 sectors not 21
  - 30 countries not 167

CBP Contribution

- 30 countries $\times$ 30 countries $\times$ 11 (or 12) sectors, complete, reconciled
- 30 reporters $\times$ 264 partners $\times$ 11 (or 13) sectors $\times$ 2 directions, incomplete, unreconciled

Margin Services

- margin *v* non-margin transport services
- reconciliation between margin services data and merchandise trade data
- apportionment of margin services across freight commodity, origin, and destination

Travelers' Expenditures

- a commodity or a mode of trade?
- allocate across the GTAP commodities
- no data on commodity composition
- source of unexpected flows
- confuses comparisons
- problematic interactions with other data

Procedure

- Fill in gaps in unilateral services trade data.
- Reconcile bilateral services trade data with unilateral.
- Apportion travelers' expenditures across commodities.
- Expand all services trade data to 226 countries.
- Reconcile margin services with merchandise trade.
- Apportion margin services across merchandise flows.

Reconciliation

- IMF:
  - trade between non-reporters
  - trade between reporters and non-reporters
  - total exports of reporters to all reporters
  - total imports of reporters to all reporters
- OECD:
  - pattern of trade between reporters

Selected Changes

			Unilat.	Bilat.
USA	DEU	Travel	12861	4546
CAN	USA	Travel	1777	7213
USA	CAN	Travel	2850	8901
CAN	USA	Proffess.	1595	6335
TUR	RUS	Travel	396	3366