

cpb

Bilateral Services Trade Data

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Contribution to GTAP-7 database,

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History

- Services markets in Europe, new policies
- GTAP ≤ 6 , bilateral data constructed
- New: bilateral services trade from OECD/Eurostat by (some) sector(s)
- Last year presented our modifications of GTAP 6
- Focus now: contribution to GTAP7
- Feedback
 - ▶ meeting last year
 - ▶ services committee.

- Bilateral trade flows not based on observations
- 11 sectors for non-margin flows
- Export of margins in transport sectors
- All GTAP countries / regions
- IMF balance of payments statistics
- RAS procedure to rebalance exports and imports

New OECD database

- Bilateral flows from 28 reporters and 55 partner countries
 - ▶ mix Iceland, Belgium-Luxembourg combined
- covers 78% cross-border exports and 74% imports, 2001
- Both for exports and imports
- Four sectors publicly available
- plus break out of commercial services into 8 sectors
- Using IMF with information from country experts and EUROSTAT

OECD – GTAP concordance

OECD	GTAP
Transportation	WTP, ATP and OTP
Travel	
*Communication	CMN
*Construction	CNS
*Insurance	ISR
*Financial services	OFI
*Computer.+ information	part OBS
*Royalties and licenses	
*Other business	TRD and OBS
*Personal, cultural + recre.	ROS
Government, nec.	OGS

Data procedure

- Gathering data reported exports and imports
- Determine most reliable reporter for two observations per flow: Gehlhar method
 - ▶ reliability indices by sector
 - ▶ used also regression method
- If one observation per flow: that observation
- If no observation for a flow: estimation
- If observation < zero: then zero

- Result: full matrix by sector (24 countries)
 - ▶ not turkey, Mexico New Zealand, Korea

Decisions to be taken

- Base year 2003 or 2004
- Number of sectors
 - ▶ include non published ones.
- Number of countries
 - ▶ OECD 24 by 24, complete matrix (inc. estimations)
 - ▶ Other OECD and partner countries (55 minus 24) only available data
- CPB responsible for delivering data
- GTAP Center integrates these data in data base
- When?

Adjustments: regression

- example: other commercial services
- FRA (=reporter) -- > GBR (partner) = 4.4
- FRA (=partner) -- > GBR (reporter) = 3.1

$$\ln(\text{imp}_{ij}) = \alpha + \beta \ln(\text{exp}_{ij}) + \sum_r \gamma_r D_r^O + \sum_r \delta_r D_r^D + \varepsilon_{ij}$$

- Under- or over reporting?
- Ranking based on dummy coefficients
- Rank FRA export reporter = 25
- Rank GBR import reporter = 19
- Flow from FRA to GBR = 3.1