Data Base: Progress and Future Directions

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Outline

• GTAP 8 Data Base: Progress
• Quality: Issues and Responses
• Future Directions
  – Skill Splits
  – FIT Program
  – Tariff data
  – Aggregation Programs
  – Other priorities
GTAP 8 Data Base: Progress

• Final Release Candidate 1: November 2011
  – New IO tables: Bahrain, Qatar, Saudi Arabia, Oman, Nepal, Mongolia, Israel, Namibia, Honduras and El Salvador
  – Updated IO tables: Australia, Brazil, India, Malaysia, Mexico, Switzerland, Thailand and Uganda.
  – Revised 2007 tariff and export subsidies data
  – New Services trade data for 2004 and 2007
  – New energy prices & tax data for 2004 and 2007
GTAP 8 Data Base: Progress

• Final Release Candidate 1: November 2011
  – New Behavioral parameters
  – Revised agricultural production and domestic support
  – New Flexagg aggregation package
  – New Headers
    – Tariff Components
    – OECD domestic support rates in detail
    – Metadata on IO table attributes
GTAP 8 Data Base: Progress

- **Final Release Candidate 2: March 2012**
  - Bug fixes in agricultural production, disaggregation and dwellings data
  - Restructured energy volumes dataset and new CO2 emissions dataset for 2004 and 2007
  - Time-series Trade dataset: 1995-2009
  - Further revisions to the new headers
GTAP 8 Data Base: Progress

- GTAP 8a bug-fix version: June 2012
  - Bug fixes and restructuring of the tariff-components header
  - Enable Flexagg program to aggregate CO2 data
  - Reformatted data and program files to ensure backward compatibility with GEMPACK versions older than 10
  - Bug-fixes in Gdyn and GMig2 datasets
## Quality: Issues and Responses

<table>
<thead>
<tr>
<th>Area</th>
<th>Issue</th>
<th>Consulted Contributors</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Production</td>
<td>Huge Cattle sector in Brazil compared to v7 data (Glen Peters).</td>
<td>Examine in-house</td>
<td>None (as the changes came from new I-O table)</td>
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<tr>
<td></td>
<td>Wrong data for several OECD countries and South Africa</td>
<td></td>
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<tr>
<td></td>
<td>Final data does not show actual support rates fed in (Hans Jensen)</td>
<td></td>
<td></td>
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<tr>
<td>Domestic Support</td>
<td></td>
<td>Examined in-house</td>
<td>Fixed in RC2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Hans Jensen</td>
<td>Rates are not targeted (may do in v9); we provide actual support rates/payments in the new headers PYRT/PAYD</td>
</tr>
</tbody>
</table>
## Quality: Issues and Responses

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<tbody>
<tr>
<td>Tariff data components</td>
<td>Confusing definition and bugs in data (Scott McDonald)</td>
<td>Examined in-house</td>
<td>Fixed in v8a</td>
</tr>
<tr>
<td>Tariff data</td>
<td>Small Intra-EU tariff (Hans Jensen)</td>
<td>Guimbard</td>
<td>To be fixed in 8.1</td>
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<td></td>
<td>Tariffs between FTA partner countries (Shenjie Chen)</td>
<td>Guimbard</td>
<td>Data is consistent with FTA texts</td>
</tr>
<tr>
<td>Others</td>
<td>Disaggregation bugs in Argentina and Guatemala; Dwellings defect in Turkey</td>
<td>Examined in-house</td>
<td>Fixed in RC2</td>
</tr>
</tbody>
</table>
Future Directions

• **Skill Splits : USITC data for GTAP 8.1 Data Base**

• **FIT Program (v9)**
  – Target domestic support rates
  – Fix commodity tax issues
  – Include production targeting within the program
Future Directions

• **Margins**
  – Domestic: may be done in GTAP 9/10 Data Base Cycle.
  – International: Hummels Modal Shares data may be incorporated in GTAP 9 DB.

• **Energy data (v9)**
  – OECD subsidies
  – Module fixes/improvements
Future Directions

• Tariff data
  – Intra-EU tariff and other minor fixes (v8.1)
  – Module improvements (v9)
  – TRQ Rents (v9)

• Others
  – Aggregation Programs: Flexible GTAPAgg (v9)
  – Inputs for time-series data: uniform sources and methodologies across the base-years
  – Disaggregation of sectors (v9)
  – Set Labels: Overlap in region & sector names