

# **GTAP Advisory Board Meeting: Overview**

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Center for Global Trade Analysis  
Purdue University

# Outline

- **Board Representatives and GTAP Staff**
- **Board Meeting Agenda**
- **2007 Goals and Activities**
- **Strategic Plan 2008-2012**

# Representatives

- **Antoine Bouët, International Food Policy Research Institute (IFPRI)**
- **Martina Brockmeier, Johann Heinrich von Thünen Institute (vTI)**
- **Gaspar Frontini, European Commission (EC)**
- **Richard Garbaccio, US Environmental Protection Agency (US-EPA)**
- **Sebastien Jean, CEPII**
- **Patrick Jomini - Productivity Commission**
- **Robert Koopman, US International Trade Commission (US-ITC)**
- **Hiroaki Kuwahara, UNCTAD**
- **Will Martin, The World Bank**
- **Alexander Sarris, FAO**
- **Utpal Vasavada, ERS/USDA**
- **Paul Veenendaal, CPB**
- **Richard Tol , Economic and Social Research Institute (Member at Large)**

# **New Representatives**

- **Hodaka Nakanishi – RIETI, Japan**
- **Abdoulahi Mahamat – UNECA, Ethiopia**
- **Hans Grinsted Jensen – FOI, Denmark**
- **Juzhong Zhuang – ADB , the Philippines**

# 2008 Alternate Representatives

- **Fan Zhai – ADB for Juzhong Zhuang**
- **Mantaro Matsuya – ESRI for Fumikazu Hida**
- **Martin Banse – LEI for Hans van Meijl**
- **Peter Minor – Nathan Associates for John Beyer**
- **Jean Chateau – OECD for Philip Bagnoli**
- **Ken Kawasaki – RIETI for Hodaka Nakanishi**
- **Stephen Karingi – UNECA for Abdoulahi Mahamat**
- **Masakazu Watanuki – IDB for Paolo Giordano**

# **ABSENT**

- **Hom Pant – ABARE, Australia**
- **John Reilly – MIT, USA**
- **Patrick Low – World Trade Organization,  
Switzerland**

# GTAP Center Staff

- **Thomas Hertel – Executive Director**
- **Terrie Walmsley – Director**
- **Robert McDougall – Deputy Director**
- **Badri Narayanan – Research Economist and Data Specialist**
- **Ginger Batta – Information Technology Specialist**
- **Meghan Alexander – Program & Administration Manager**
- **Angel Aguiar – Research Economist and Data Specialist**
- **Alla Golub – Post-Doctoral Researcher**
- **Ana Rios – Post-Doctoral Researcher**
- **Wallace Tyner – Senior Policy Advisor**

# Board Meeting Agenda: Monday

- **Morning:**
  - **Top Data Base Issues**
    - **Data Base Goal and Regional data**
- **Afternoon:**
  - **Top Data Base Issues**
    - **Energy, Comparison programs and Africa Project**
  - **Research:**
    - **Research Goal: Global Environmental Issues**
    - **Reports from Board members**
- **Dinner SASSO Fish Market**

# Dinner Tonight

- **SASSO Fish Market**
  - Pohjoisesplandai 17
  - 00170 Helsinki
- **2 Restaurants North Italian Kitchen**  
**Upstairs and Fish Market is downstairs**

# Board Meeting Agenda: Tuesday

- **Morning – start 8:30am:**
  - **Finances: Budgets, staffing and going global**
  - **Education Goal**
  - **Protection Data**
  - **Discussion of Other Data Base and Research Priority Issues**
- **Afternoon:**
  - **Network**
    - **Research Fellows**
    - **Conferences**
  - **Revisit priorities**
- **Dinner Raintolapääallikkö, Sokos Hotel**

# Dinner Tuesday

- **Raintolapääallikkö, Sokos Hotel (10<sup>th</sup> floor)**
  - **Ravintola Loiste**
  - **Kaivokatu 3, 00100 Helsinki**
- **Near main train station**

# 2007 Goals and Activities

- **Core Goals**
  - Hire a new Data Base Administrator
  - GTAP 7 Data Base Release
  - Regional I-O tables
  - Services data
  - Taxes
  - Energy
- **Other Data Activities**
- **Research Activities**
- **Network and Education**

# Core Goals: 2007

- **Hire a new Data Base Administrator**
- **Badri Narayanan - employed as a post doctoral fellow to work on the GTAP Africa Data Base, however has become proficient at working with contributors of the macro datasets and running the construction programs and has taken over most of Betina's responsibilities.**
- **Employed a graduate student, Angel Aguiar, to assist with the macro datasets.**
- **Advertised a post-doctoral position to work primarily on I-O data and assist with the Africa Data Base Project, with some research and teaching at courses.**

# Core Goals: 2007

- **GTAP 7 Data Base Release**
  - **Priority: Pre-release 3: October, 2007. Gather updates: trade, protection, macro etc**
  - **Secondary priority: Agricultural production targeting, incorporating new agricultural protection work**
  - **Longer term goal: documentation**
- **May 2008 7p6 (Ag production targeting, Protection, trade, services, energy, consumer elasticities of demand , new I-O tables)**
- **July 2008 7rc1 (taxes, EU I-O tables, protection, time series)**
- **Public: Beginning of November 2008**
- **Comparison programs and Data Issues**

# Core Goals: 2007

- **Regional I-O tables**
  - **Priority: Implement peer review process and incorporate the 27 new EU I-O tables being funded by the European Commission.**
  - **Longer term: Pursue other ideas for updating older I-O tables**
- **Pre-release 5 contains 106 countries and at least 10 more countries to be updated in 7p6 and 7rc1.**
- **Main concern at present is the European I-O tables.**
- **The peer review process is currently being run on a trial basis with a number of contributors.**
- **Presentation later today examining the country data in the GTAP Data Base.**

# Core Goals: 2007

- **Services Data**
  - **Priority: finalize and build into Data Base construction program and document**
  - **Long term priorities: Travelers' expenditures more bilateral detail (Non-OECD)**
- **The bilateral services trade data was first included in pre-release 2. Robert McDougall is currently re-examining the services trade data after receiving detailed comments from the CPB. We hope to include any fixes into 7rc1.**

# Core Goals: 2007

- **Taxes**
  - **Priority: Direct taxes**
  - **Longer term: Commodity taxes**
- **A number of small fixes to the taxes in the GTAP Data Base are expected in 7rc1.**
- **Unfortunately efforts to secure an outside consultant have been unsuccessful. For the time being substantial new work in this area is on hold.**

# Core Goals: 2007

- **Energy Data**
  - **Priority: Finalize improvements and include in v7**
  - **Other possible: Linking up with MIT and EPA possible small project on margins**
- **Energy data is now finalized and included in 7p6. Robert McDougall will discuss the energy data later today.**

# Other Data Activities 2007

- **Africa Data Base: Cameroon, Cote d'Ivoire, Democratic Republic of Congo, Ghana, Kenya and Sudan. Need Algeria, Libya and Ethiopia.**
- **Methodology to fill in missing African Trade data**
- **Examine Labor skill splits for v8**
- **Improved primary factor shares in agriculture and domestic support.**
- **Production of TASTE**
- **Revised Global Land use data base released, along with chapters from forthcoming book on this topic**

# Research Activities 2007

- **Work with African Scholars on Research Papers**
- **Paper on South Asian regional integration**
- **Paper on impacts of China's growth in Southern Africa**
- **Develop a module for poverty analysis in GTAP**
- **Paper on the nutritional impacts of globalization**
- **Develop Dynamic land use model and published paper on determinants of the long run demand for land**
- **Revised version of GTAP-E model**
- **Book: Economic Analysis of Land Use in Global Climate Change Policy.**
- **Incorporate bio-fuels into a special version of GTAP note that this data set is now publicly available**
- **Technical paper on the GMig2 Model**
- **Paper on Asian Migration for ADB**

# **Network and Education 2007**

- **Fifteenth Annual GTAP Short Course at Purdue in August, 2007**
- **2-day course on contributing regional data to the GTAP Data Base.**
- **Continue to Refine the Dynamic GTAP Model, course materials and software. New web course.**
- **Eleventh Annual Conference on Global Economic Analysis to be held in Helsinki, Finland, June 2008**
- **Proposals for the 2010 and 2011 Conference on Global Economic Analysis**
- **Hired a new Program Manager**

# **Strategic Plan 2008-2012**

- **Focus groups and SWOT analysis**
- **Network Survey**
- **One-day strategic planning session**

# SWOT analysis to identify three key areas to be addressed during strategic plan

**1. Define a compelling mission for GTAP**

**2. Multitude of problems that could be investigated – define prioritization so that main issues can be addressed with available resource**

## **Strengths**

- Database “brand” strength
- Broad network and access to leading economists
  - Relationships with policy makers e.g. EPA, World Bank
  - Strong academic and private sector contacts
- Strong team at CGTA
- High demand for GTAP courses

## **Opportunities**

- Expansion of database to address new problems e.g. energy, environment
- Model expansion to address policy challenges
- Expansion of research effort to become thought leaders
- International expansion

## **Weaknesses**

- Limited staff resources
- Remote location limits attraction of new talent
- Ag. Econ. training does not fully prepare PhD students
- Burdensome university administrative processes
- Database quality needs to be enhanced

## **Threats**

- Funding of Center can be highly variable

**3. Ensuring GTAP operates effectively through:**

- **Hiring high quality staff**
- **Developing its staff**
- **Ensuring a stable funding strategy**

# Network Survey

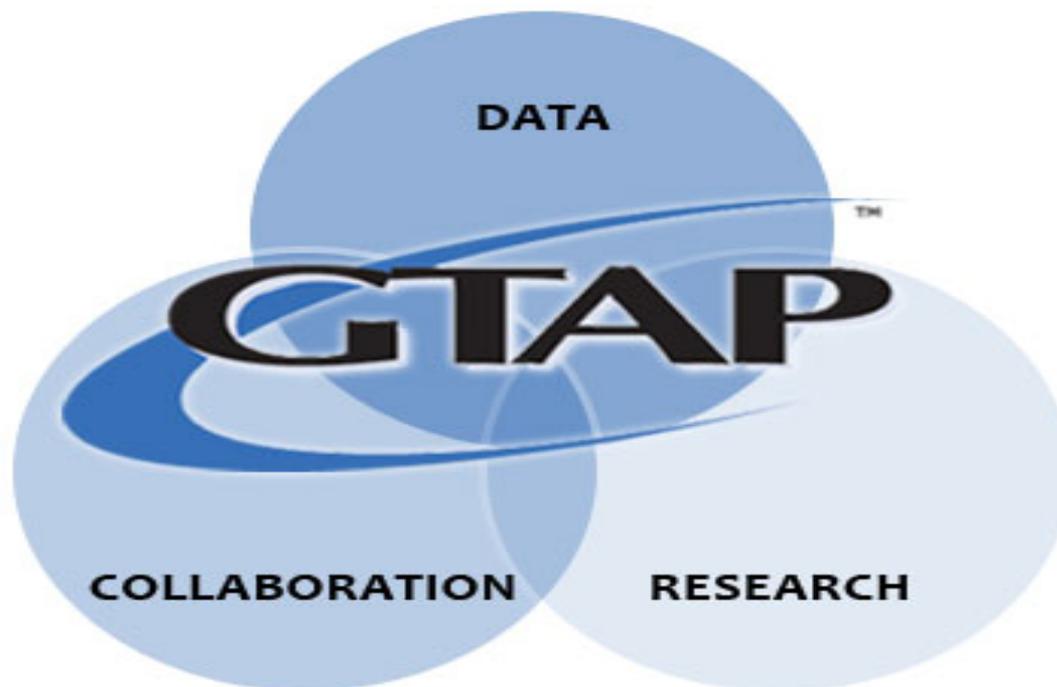
- **Sent to 1200 contributors to network, 200 responded**
- **How would you characterize GTAP?**
  - “provider of high quality of economic data (database)”
  - “focal point for collaboration of GE modelers (network)”
  - “educator of CGE modelers (courses)”
- **Which are the most important GTAP offerings to you?**
  - (1) The GTAP Data Base, (2) The GTAP Model, (3) Technical/Working Paper Series
- **What is your preferred method of developing a deeper understanding of the GTAP Model and Data Base?**
  - (1) Courses, (2) GTAP conference, (3) Research papers

# **One-day strategic planning session**

- **Defining a compelling mission (and vision) for GTAP**
- **Establish prioritization so that main issues can be addressed:**
  - **Data Quality**
  - **Energy and Environment**
  - **The GTAP Model, the Network and Training**
  - **Research Opportunities in Trade, Development and Services**
- **Ensure GTAP operates effectively.**
  - **Attracting new talent, and Training and retaining graduate students and staff**
  - **Going global: EU and Asia-Pacific**
  - **Funding**

# Defining a compelling mission for GTAP

**Our mission is to provide leadership in economic policy analysis through better data, fostering collaboration and research.**



# Goals 2008-2012

- **Data Goal:** To Improve the quality of Data Products.
- **Research Goal:** To actively participate in quantitative economic analysis of pressing global concern in the areas of Trade and Development and Global Environmental issues.
- **Model Goal:** To promote further development of GTAP-based models.
- **Education Goal:** To expand and improve global economic analysis education worldwide.
- **Staffing Goal:** To actively seek and encourage talented staff and graduate students.