

GTAP Africa Data Base

Presented by

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Outline of the Presentation

- **Overview of GTAP Africa Project**
- **Overview of GTAP Africa Data Base**
- **I-O Tables**
- **International Trade Data**
- **GTAP Africa Project Phase II: Proposal**

Overview of GTAP Africa Project

- **Funding: Bank Netherlands Partnership Program via European Commission & World Bank**
- **Identifying 5 African economists: scholarships to contribute data and conduct research**
- **Training: GTAP short course and IO Table contribution course (August 2007)**
- **Collecting data on IO tables and international trade to build GTAP Africa Data Base**

Overview of GTAP Africa Project

- **Seeking comments on the data from:**
 - **Representatives of GTAP consortium Board Members**
 - **Reviewers for individual IO tables (2 for each region) and for the whole database**
- **Research on African issues by the selected economists**
- **2 Special sessions at 11th Annual GTAP Conference, Helsinki (June 2008)**
- **Public Release of GTAP Africa Data Base after incorporating all comments (December 2008)**

Overview of GTAP Africa Data Base

- **39 Regions: 30 African and 9 other regions**
- **New African regions:**
 - **Cameroon**
 - **Cote d'Ivoire**
 - **Democratic Republic of Congo**
 - **Ethiopia**
 - **Ghana**
 - **Kenya**
 - **Sudan.**
- **Other I-O tables and protection data: from GTAP v6.2 Data Base**
- **Improvements in international trade data**

Contribution of IO Tables

<i>Region</i>	<i>Base Year</i>	<i>No of Contrib. Sectors</i>	<i>Source</i>	<i>Contributor</i>
Cameroon (CMR)	2003	57	NIS, CMR	Christian Emini
Cote d'Ivoire (CIV)	1998	31	INS, CIV	Yousuf Kone
D. R. of Congo	1987	27	INS, Congo	Guyslain Ngeleza
Ethiopia	2002	39	IDS, UK & EDRI, Ethiopia	Dirk Willenbockel & Sherman Robinson
Ghana	2005	41	IFPRI, USA	Charles Adjasi
Kenya	2001	29	IFPRI, USA	IFPRI
Sudan	2004	34	Statistical Sources, Government of Sudan	Khalid Siddig

Most of the new tables are very recent and detailed!

International Trade

- **There are numerous potentially non-zero intra-African bi-lateral trade flows missing due to the poor quality of trade data in many African countries: About 55% of the total number of transactions are missing!**
- **Nelson Villoria and Thomas Hertel have estimated these missing trade flows using gravity model and sample selection.**

GTAP Africa Project Phase II: A Proposal

- **Identify mentors from the GTAP network and African economists for data, modeling and research that are specific to African regions**
- **Capacity Building: Two Africa short courses**
- **Data improvements: new regions (Algeria, Angola, Libya, Niger, etc.), poverty data, improvements in protection data, factor shares, skill shares, etc.**
- **Greater focus on modeling and research issues.**

Thank you!

Questions and/or Comments

about

**GTAP Africa Data Base and/or the proposal for
its Stage II?**