

AGRODEP Data Component

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DATA COMPONENT: GOALS

A Common Database Platform

AGRODEP will bring together various types of data in a central clearinghouse with a Web data portal

Main Goals:

- To bring together dispersed and disparate statistical, economic, and geospatial data in Africa;
- To provide links to existing key data sources;
- To develop shared standards, formats, and exchange protocols;

THREE TYPES OF ACTIVITIES

○ **Set-up Activities (year 1, 2)**

- establishment of the component
 - data stocktaking, identification of data experts, development of standards and protocols
- **data portal development**
- posting of available data
- linking up with other data initiatives
- priority-setting

○ **Data Warehousing (throughout project life)**

- routine activities through project life
 - acquisition, catalogue\metadata, quality checking, data expert consultations, dissemination and maintenance

○ **Data Construction Projects (throughout project life)**

- data to address and support AGRODEP models

STOCKTAKING OF SOURCES AND DATA

- DATABASE of Data Sources and Available Data
 - Institutions – URL, address, contact emails
 - national, regional, Africa-wide, international
 - other data initiatives
 - Available data, identified by:
 - Types, e.g.:
 - household surveys, social accounting matrices
 - national agricultural statistics (e.g. CountrySTAT data)
 - international datasets (trade, tariffs)
 - socio-economic indicators
 - Coverage – time period, geographic (sub-national, national, regional, global)
 - Format – e.g. excel, stata, pdf, documentation
- Began in 2011, updated and maintained

SOCIAL ACCOUNTING MATRICES

Ghana ('05), Kenya ('03), Malawi ('98), Mozambique ('95), Nigeria ('06), Rwanda ('06), Senegal ('05), South Africa ('00), Tanzania ('98-01), Uganda ('99), Zambia ('01), Zimbabwe ('91)

Mostly from IFPRI's collection

SAMs are used with CGE models, multiplier analysis, economic impact analysis.



HOUSEHOLDS SURVEY DATA



- Types of data
 - Multi-topic (LSMS)
 - Demographic and Health Surveys
 - Expenditure and Income Survey

Top 5 most viewed datasets in AGRODEP portal

1. [NIGERIA 2010-2011 GENERAL HOUSEHOLD PANEL SURVEY DATA](#)
2. NIGERIA AGRICULTURAL MARKET INFORMATION SYSTEM (AMIS) STATISTICS
3. [UGANDA 2009/10 NATIONAL PANEL SURVEY DATA](#)
4. [NIGERIA 2010-2011 GENERAL HOUSEHOLD SURVEY-PANEL](#)
5. [TANZANIA 2008-2009 NATIONAL PANEL SURVEY DATA](#)

NATIONAL AGRICULTURAL STATISTICS

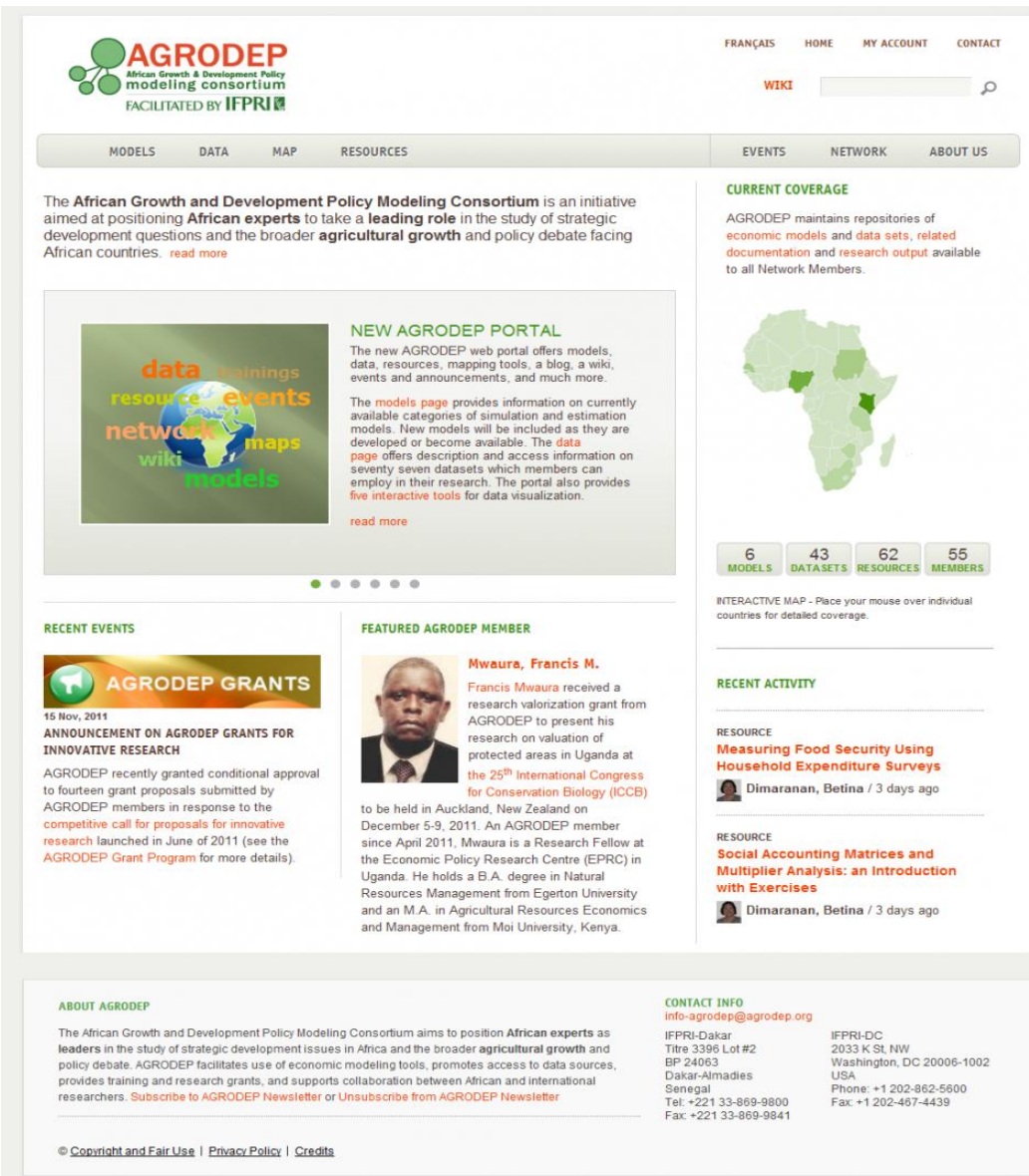
Includes:

- Indicators from Food Security Portal (FSP)
- CountrySTAT data (from FAOSTAT)
- Agricultural Market Information System (AMIS) Statistics



www.agrodep.org

- Portal for economic MODELS
- Portal for DATA
- data visualization tools (MAP)
- Collaborative WIKI spaces
- RESOURCES library
- upcoming and past EVENTS
- NETWORK directories



The screenshot shows the AGRODEP website homepage. At the top left is the AGRODEP logo and name. To the right are navigation links: FRANÇAIS, HOME, MY ACCOUNT, CONTACT. Below these is a search bar labeled 'WIKI'. A horizontal menu contains: MODELS, DATA, MAP, RESOURCES, EVENTS, NETWORK, ABOUT US.

The main content area features a large introductory paragraph: "The African Growth and Development Policy Modeling Consortium is an initiative aimed at positioning African experts to take a leading role in the study of strategic development questions and the broader agricultural growth and policy debate facing African countries. [read more](#)"

Below this is a section titled "NEW AGRODEP PORTAL" with a graphic showing a globe and the words "data", "trainings", "resource", "events", "network", "wiki", "maps", "models". The text describes the new portal's offerings: "The new AGRODEP web portal offers models, data, resources, mapping tools, a blog, a wiki, events and announcements, and much more. The models page provides information on currently available categories of simulation and estimation models. New models will be included as they are developed or become available. The data page offers description and access information on seventy seven datasets which members can employ in their research. The portal also provides five interactive tools for data visualization. [read more](#)"

To the right of this section is a "CURRENT COVERAGE" section with a map of Africa and statistics: 6 MODELS, 43 DATASETS, 62 RESOURCES, 55 MEMBERS. Below the map is the text: "INTERACTIVE MAP - Place your mouse over individual countries for detailed coverage."

Below the main content are two columns: "RECENT EVENTS" featuring "AGRODEP GRANTS" (15 Nov, 2011) with an announcement on grants for innovative research, and "FEATURED AGRODEP MEMBER" featuring Francis M. Mwaura, a research valorization grant recipient.

At the bottom are "ABOUT AGRODEP" and "CONTACT INFO" sections. The contact info includes: IFPRI-Dakar (3395 Lot #2, BP 24063, Dakar-Almadies, Senegal) and IFPRI-DC (2033 K St, NW, Washington, DC 20006-1002, USA). Phone: +1 202-862-5600, Fax: +1 202-467-4439.

At the very bottom, there is a footer: "© Copyright and Fair Use | Privacy Policy | Credits"

DATA CATALOG

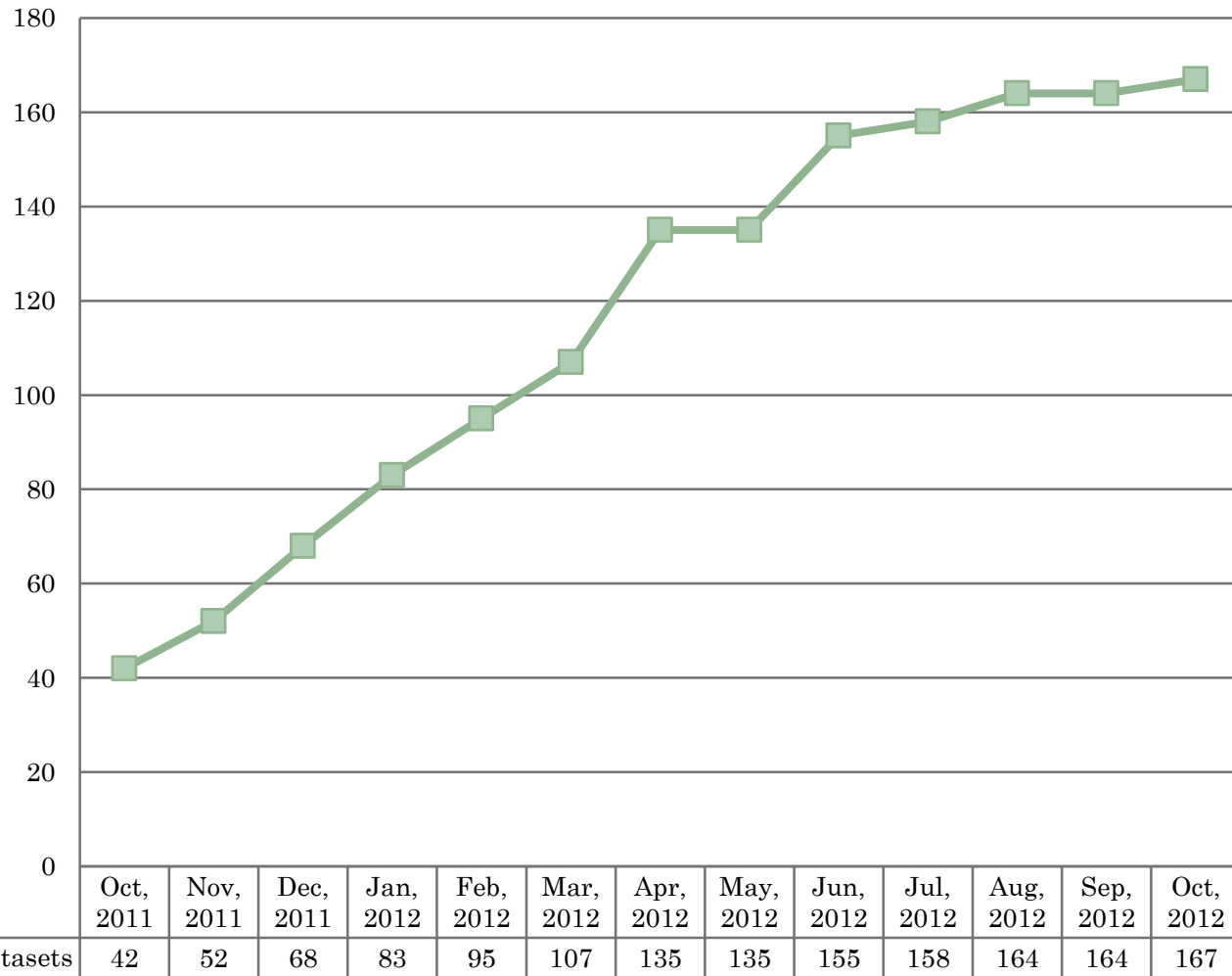
Sort by: Order:

Title	Category	Geographic Coverage
Regional Strategic Analysis and Knowledge Support System (ReSAKSS) Growth Indicators	Socio-economic Development Indicators	
SAM_SAF_1999	Social Accounting Matrix	South Africa
SAM_RWA_2006	Social Accounting Matrix	Rwanda
SAM_ZMB_2001	Social Accounting Matrix	Zambia
Agricultural Module, Piggy-Backed Onto the Population and Housing Census (PHC) of Uganda, 2002	Household Survey	Uganda
2004 Botswana Agricultural Census Report Data	Household Survey	Botswana
World Bank Africa Development Indicators		
GAFSP Agriculture Growth Interactive Map of Ethiopia	Agricultural Science & Technology Indicators	Ethiopia
WHO/UNICEF water and sanitation data	Agricultural Science & Technology Indicators	
World Economic Forum - The Global Information Technology Report (GITR) 2012 Data	Agricultural Science & Technology Indicators	
WRI Climate Analysis Indicators Tool (CAIT)	Model Output	
BILAT_TRADE	Bilateral Trade Statistics	
CTRYSTAT_MLI	National Agricultural Statistics	Mali
Tanzania National Sample Census of Agriculture 2002/2003: Volume IV: Gender Profile of Smallholder Rural Agriculture Population in Tanzania Mainland	Household Survey	Tanzania
Tanzania National Sample Census of Agriculture 2002/2003: Large Scale Farms	Household Survey	Tanzania

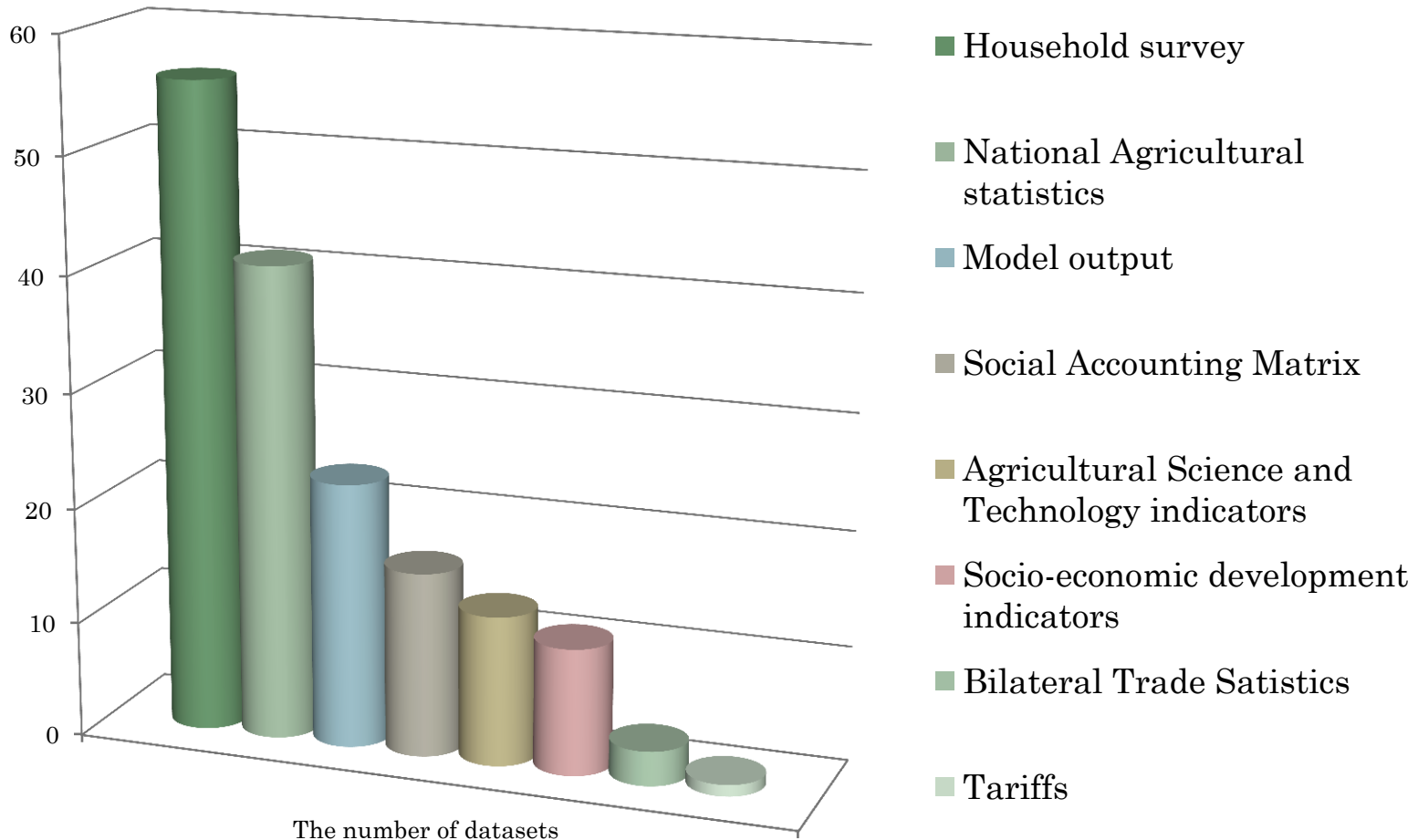
FILTER BY DATA SET CATEGORY

- Household Survey (54)
- National Agricultural Statistics (36)
- Model Output (22)
- Social Accounting Matrix (14)
- Agricultural Science & Technology Indicators (12)
- Socio-economic Development Indicators (11)
- Bilateral Trade Statistics (3)
- Tariffs (1)

NUMBER OF DATASETS IN THE AGRODEP PORTAL



CURRENT NUMBER OF DATASETS BY TYPE



DATA PORTAL – COUNTRY PAGES

ETHIOPIA

ISO Code: ETH



"Food security is a delicate issue in Ethiopia, where 41 percent of a population of 85 million suffers from undernourishment. Although 82 percent of Ethiopians are rural dwellers, and Ethiopia's agricultural labour force stands at 77 percent, malnutrition in both adults and children, as well as poor life expectancy and child mortality rate indicate that food security issues are still being resolved."

Source: FAO Country Briefs: Ethiopia

MODELS

[PEP 1-1 model](#)

[PEP 1-t model](#)

[EMM](#)

DATASETS

[GAFSP Agriculture Growth Interactive Map of Ethiopia](#)

[Ethiopia Food Security Portal \(FSP\) Main Indicators](#)

[ETHIOPIA 2005 DEMOGRAPHIC AND HEALTH SURVEY \(DHS\) DATA](#)

[Ethiopian Rural Household Surveys 1989-2009](#)

[Ethiopia Nile Basin Climate Change Adaptation Dataset](#)

[CTRYSTAT_ETH](#)

RESOURCES

[Structural transformation in Ethiopia: Evidence from cereal markets](#)

[Interplay among credit, insurance and savings for farmers in developing countries](#)

[Integrating livestock in the CAADP framework: Policy analysis using a dynamic computable general equilibrium model for Ethiopia](#)

[Infant and Young Child Feeding \(IYCF\) Practices In Ethiopia and Zambia and Their Association with Child Nutrition: Analysis of Demographic and Health Survey Data](#)

[Variability of rainfall and its current trend in Amhara region, Ethiopia](#)

[Long-term impact of investments in early schooling – Empirical evidence from rural Ethiopia](#)

[Agriculture and Ethiopia's economic transformation](#)

[Perception of and adaptation to climate change by farmers in the Nile basin of Ethiopia](#)

[Determinants of farmers' choice of adaptation methods to climate change in the Nile Basin of Ethiopia](#)

MEMBERS

[Mitik, Lulit](#)

[Birhanu, Dawit](#)

Click the highlighted country to zoom in/out or neighbor countries to navigate.



External Links:

[African Development Bank Country Page](#)
[ASTI Country Note](#)
[CIA The World Factbook](#)
[FAO Aquastat Country Profiles](#)
[FAO Country Pasture Resource Profiles](#)
[FAO Fishery and Aquaculture Profiles](#)
[FAO Gender and Land Rights](#)
[FAO GIEWS Country Briefs](#)
[FAO Initiative on Soaring Food Prices](#)
[FAO Livestock Sector Briefs](#)
[FAO Nutrition Country Profiles](#)
[Food Security Portal](#)
[IFAD Rural Poverty Country Profiles](#)
[IMF Country Financial Position](#)
[OECD Country Note](#)
[UN Country Trade Profiles](#)
[UNDP Human Development Indicators](#)
[World Bank Country Briefs](#)
[World Food Programme Page](#)
[WTO Trade Profiles](#)
[WTO Tariff Profiles](#)

National organizations and institutions:

[Ministry of Agriculture and Rural Development \(MARD\)](#)

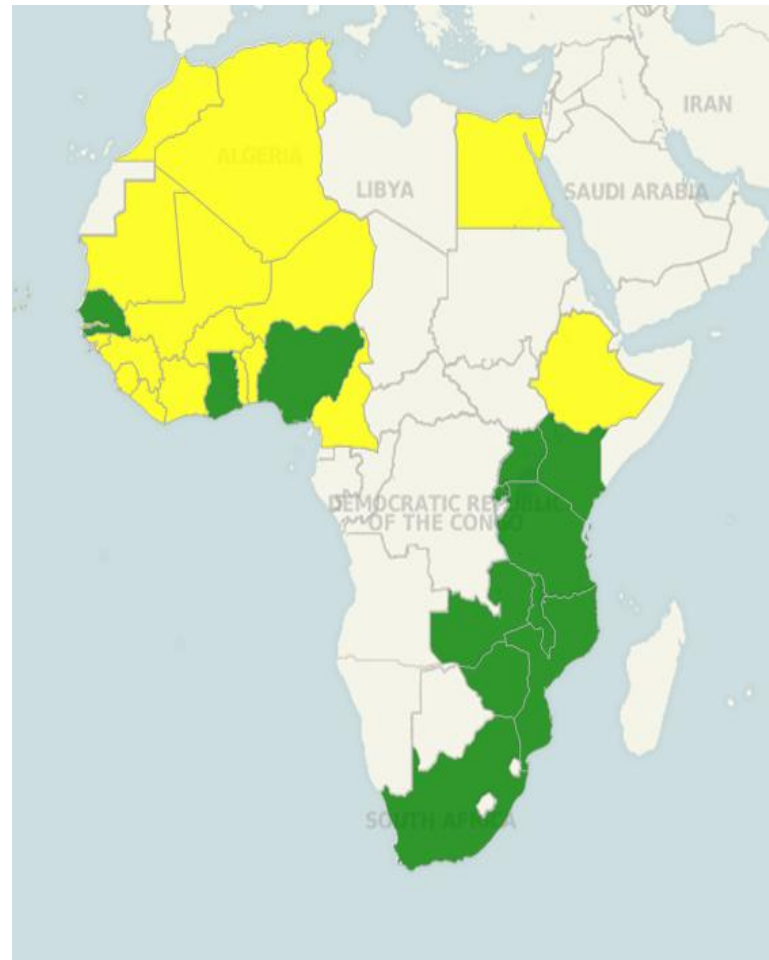
[Ethiopian Institute of Agricultural Research \(EIAR\)](#)

DATA ACTIVITIES IN 2013

DATA WAREHOUSING

- Social Accounting Matrices (Q1-Q4)
 - *data (new or updated) and documentation for 5 African countries each quarter*
 - *provide incentives for documentation*
- Household Survey Data (Q1-Q4)
 - *data (new or updated) and documentation for 3 African countries each quarter*
- National Agricultural Statistics (Q1-Q4)
 - *data (new or updated) and documentation for 3 African countries each quarter*
- International Data Sets (Q1-Q4)
 - *access to 1 international dataset per quarter*

E.G. SOCIAL ACCOUNTING MATRICES



DATA ACTIVITIES IN 2013

DATA CONSTRUCTION PROJECTS

- Develop/document 4 new Social Accounting Matrices (SAMs) (Q1-Q2)
 - Identify countries for which we need a new SAM
 - Identify collaborators from AGRODEP members or outside
 - e.g. AGRODEP members already constructing SAM for Kenya, Togo
 - Provide grants for development of missing SAMs

- Assemble/document 5 complete datasets for specific models (Q3-Q4)
 - gravity models - trade, transport costs, distance, etc.
 - multi-market models - household survey data, prices, parameters
 - Regional models – SAMs, trade, transport, parameters