



INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE
sustainable solutions for ending hunger and poverty

African Growth and Development Policy (AGRODEP) Modeling Consortium

Training Course on Building and Updating a Social Accounting Matrix

March 13 – 15, 2012
Dakar, Senegal

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Overview of the Program

	Morning: 9:00 -13:00	Afternoon: 14:00-18:00
Tuesday, March 13	Session 1: Reconciling the National Accounts Tables	Session 2: Reconciling the National Accounts Tables
Wednesday, March 14	Session 3: Disaggregating the Factors and Households Accounts	Session 4: Disaggregating the Factors and Households Accounts
Thursday, March 15	Session 5: Updating a Social Accounting Matrix	Session 6: Converting Social Accounting Matrix into an Input-Output Table

1. Introduction and Discussion on SAMs

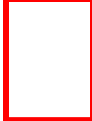
What is a SAM?

A Social Accounting Matrix (SAM) is an **input-output table** that tracks consistently **transaction flows** that occur in a **real economy** over a **given period of time**, in general one year

1. Introduction and Discussion on SAMs

Structure of a Standard SAM

	Product	Activity	Factors	Institutional Sectors	Capital	Total
Product		Intermediate Consumption		Final Consumption & Exports	GFCF & Changes in Inventories	Total Supply at Purchasing Price
Activity	Local Supply at Basic Price					Local Supply at Basic Price
Factors		Factor Payments				Total Factor Payments
Institutional Sectors	Imports at Basic Price Margin, Taxes, & Subsidies	Taxes & Subsidies	Total Factor Payments	Transfers		Total Income
Capital				Saving		Total Saving
Total	Total Supply at Purchasing Price	Local Supply at Basic Price	Total Factor Payments	Total Expenses	Total Investment	

 **Supply of Products**

 **Value Added (Supply)**

 **Uses of Products**

 **Income Distribution**

1. Introduction and Discussion on SAMs

Supply and Use Table (SUT)

= **Supply of Products**

- Domestic supply of Products (Basic Price)
- Imports of Products (CIF Price)
- Indirect Taxes (VAT, Tariff, Sale tax, Excise taxes, etc.)
- Trade Margins

Supply and Use Table (SUT)
Expenditure Survey

= Use of Products

- Final Consumption
 - Disaggregation among representative categories of households
- Exports of products
- Intermediate Consumption
- Gross Fixed Capital Formation
- Changes in Inventories

1. Introduction and Discussion on SAMs

Supply and Use Table (SUT)
Income or Labor Force Survey

= Value Added

- Payments of Salary and Wage Workers
- Gross Operating Surplus (GOS) and Mixed Income (MI)
 - Sectoral Disaggregation of GOS and MI between GOS and MI
 - Sectoral Disaggregation of MI between Self-employed Workers and Owned Capital
 - Breakdown of Salary/Wage and Self-employed Workers

Integrated Economic Accounts

- *Government Budget and Public Account*
- *Balance of Payment*

Income and Expenditure Survey

= Income Distribution

- Salaries and Wages
- GOS and MI
 - Distribution of Primary Income (Labor and capital) among Institutional Sectors
 - Secondary Distribution of Income

1. Introduction and Discussion on SAMs

2004 Aggregate SAM of Senegal (2005 Million \$US)

	Products	Activities	Factors	Institutional Sectors	Capital	Total
Products		9,121		10,665	1,893	21,679
Activities	20,263					20,263
Factors		7,568				7567551
Institutional Sectors	1,416	3,574	7,568	4,664		17,222
Capital				1,893		1,893
Total	21,679	20,263	7,568	17,222	1,893	

2. Reconciling the National Accounts Tables (Sessions 1 & 2)