**Social Accounting Matrix: A General Equilibrium Data Set**

Prepared for ESCAP/UNDP/ARTNeT Workshop on Trade and Gender Linkages

Selim Raihan
Executive Director
South Asian Network on Economic Modeling (SANEM)

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**Introduction**

- An essential requirement for quantitative analyses is data
- Usually data are recorded in the following formats:
  1. Time Series
  2. Cross-Section (Survey Based)
  3. Consistency Frameworks
     - Input-Output Matrix
     - Social Accounting Matrix

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**Structure of Accounts**

<table>
<thead>
<tr>
<th>Activity</th>
<th>INPUT</th>
<th>ACT</th>
<th>COM</th>
<th>Cp</th>
<th>Cg</th>
<th>Experts</th>
<th>INV</th>
<th>Demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodity</td>
<td>Output</td>
<td>ACT SS</td>
<td>Private Consumption</td>
<td>Public Con</td>
<td>Experts</td>
<td>INV</td>
<td>Demand</td>
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<td>Factor Labour</td>
<td>Vs. Lab</td>
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<td>Factor Land</td>
<td>Vs. Land</td>
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<tr>
<td>Factor Capital</td>
<td>Vs. Cap</td>
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<td>Indirect Tax</td>
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<td>Import Duty</td>
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</tr>
<tr>
<td>Supply</td>
<td>ACT SS</td>
<td>COM SS</td>
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</tr>
</tbody>
</table>

- Derivation of SS. Derivation of DD. Equality SS=DD
- Captures Technology Structures/Inter-Industry Transaction

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**Institutional Account**

- Linkage with Factors
- Linkages between Sectors, Factors and Institutions
- Interdependence between Institutions

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**SAM**

- Institutional Account
- Income: Factor Income, Capital Income
- Expenditure: Consumption, Savings
- Transfer Inflows
- Transfer Outflows
- National Accounts: Production, Distribution, Savings

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**Notes**

- An Essential Requirement for Quantitative Analyses is Data
- Usually Data are Recorded in Following Formats:
  1. Time Series
  2. Cross-Section (Survey Based)
  3. Consistency Frameworks
     - Input-Output Matrix
     - Social Accounting Matrix
SAM Accounts
1. Production Activity Account (Activity and Commodity)
2. Factor of Production Account.
3. Current Account Transaction between 4 institutional Agents:
   A. Household Account
   B. Corporation Account
   C. Government Account
   D. Rest of the World account (ROW)
4. One Consolidated Capital Account to Capture the flow of Saving and Investments by Institutions and Sectors Respectively.

Data Sets
1. A Balanced Input-Output Table for the Year Selected for SAM
   A. Inter-industry Transactions between Activities/Commodities
   B. Supply by Activities/Commodities (Domestic Output + Imports)
   C. Activity/Commodity Demand by Components
      • Consumption, Exports, Investment
2. Labour Force Survey
3. Household Income and Expenditure Survey
4. Government Accounts
5. National Accounts

Some Conventions
• Entries in the corresponding columns represents outlays or the expenditure side of the account.
• Entries in the rows are to be read as receipts or revenue for that account.
• Totals of corresponding Rows and Columns are equal and there is no leakage.
• The SAM is a square matrix.
• The matrix presentation allows each transaction to be represented by a single sell in the matrix.

Thank You