Integrated Sector Accounts of Turkey

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Background and Motivation

• Following the global financial crisis, G-20 countries endorsed the “Data Gaps Initiative” (DGI) in 2009 for reliable and timely statistics for policy use.

• 20 recommendations were identified; and one of them is compilation of integrated sectoral accounts in order to identify vulnerabilities, interconnections and spillovers in the economic sectors.

• At European level, the ECB compiles integrated sector accounts consisting of financial and non-financial accounts of euro area.

• Eurostat, Statistical Office for the European Communities, defines the consistency between nonfinancial and financial accounts indicating the need for integrated accounts.
What is Integrated Sectoral Accounts?

Integrated Sectoral Accounts link both financial and non-financial accounts, thereby allowing for an integrated analysis of non-financial economic activities (such as gross fixed capital formation) and financial transactions (such as the issuance of debt).
Sequence of Accounts in the System of National Accounts (SNA)

- Goods and services produced
- Goods and services consumed
- Acquisition of financial assets
- Incurrence of liabilities

Non Financial Accounts

Financial Accounts
Sequence of Accounts in the System of National Accounts (SNA)
## Horizontal Consistency: Balanced Transactions / Instruments

### Integrated Economic Accounts

<table>
<thead>
<tr>
<th>IEA</th>
<th>Uses</th>
<th>Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS, S1, S1N, S11, S12, S13, S14, S2, S2S, S2x</td>
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- **P1**: Output
- **P2**: Intermediate Cons.
- **D21, D31**: Net taxes on products
- **D1**: Compensation of Employees
- **D21**: Taxes on Products
- **D29**: Other taxes on production
- **D31**: Subs. on products
- **D39**: Oth. subsidies on production
- **D41**: Interest
- **D4N**: Other property income
- **D5**: Taxes on income and wealth
- **D61**: Social security contr.
- **D62**: Social security benefits
- **D71**: Net non-life premiums
- **D72**: Actual non-life claims
- **D7N**: Other current transfers
- **D8**: Equity attr. to policy holders
- **D91**: Capital taxes
- **D9N**: Other capital transfers
- **K1**: Consumption offixed capital
- **K2**: accp.-disp. of non-prod non-fin assets
- **P1**: Individual consumption
- **P32**: collective consumption
- **P51**: gross fixed capital formation
- **P5N**: changes in inventories
- **P6**: exports
- **P7**: imports
- **F1**: SDR+forex
- **F2**: Loans and deposits
- **F3**: Securities oth. Than shares
- **F5**: Shares
- **F6**: Insurance technical res.
- **F7**: Oth. accs receivable/payable

### Transaction Balances

\[ \Sigma \text{ uses} = \Sigma \text{ resources} \]

\[ \Sigma \text{ changes in assets} = \Sigma \text{ changes in liabilities} \]
### Vertical Consistency: Balanced Sectors

![Table and Diagram]

#### Integrated Economic Accounts (IEA)

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**Source:** ECB
Integrated Sector Accounts for Turkey

Integrated Accounts Working Group:
- Since 2017

SFA by CBRT:
- Sector-wise approach
- Since 2012

ANFISA by TURKSTAT:
- Since 2016
## Data Sources for SFA

### General Categories

- **Non Financial Corporations**
- **Financial Corporations**
- **General Govt.**
- **Households**
- **NPISH**
- **Rest of the World**

### Sources by Sector

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### Additional Sources

- **Monetary Gold & SDR**: Administrative Data
- **Currency & Deposits**: Money and Banking Statistics
- **Debt Securities**: Securities Statistics
- **Loans**: Money and Banking Statistics
- **Shares and Other Equity**: Administrative Data
- **Insurance Technical Reserves**: Administrative Data
- **Other Accounts Rec. / Pay.**: Administrative Data

- National Accounts
- Money and Banking Statistics
- Securities Statistics
- Government Finance Statistics
- Balance of Payments Statistics
- International Investment Position Statistics
Integrated Accounts Working Group

- More use of same administrative data
- Missing sub sector data is integrated
- Data warehouse for insurance companies
- Bridge tables for BOP-FA
- Bridge table from tax data
Comparison of Data and Coherence Indicator (billion TRY, % of GDP)
Conclusion

Different data source
Different coverage
Time lag in revisions

Fully adopted BOP & IIP for SFA

Improved sector coverage in financial corporations

Simultaneous Revisions

INTEGRATED SECTOR ACCOUNTS OF TURKEY

Source: ECB