IRON MINING

Presentation
This note relates to the metadata of the follow-up production account. Thus, it describes the definition, range, sources, and methodology used in preparing follow-up production accounts.

Definition
The production account of the Iron Mining industry comprises the extraction and processing of iron minerals, and the resulting production of pellets. It excludes ferrous metallurgy industries.

The following variables are measured: Gross Output (GO), Intermediate Consumption, and Value Added for the Iron Mining industry.

Source Data
Economic Surveys
• Source Name: Survey of Mining Companies.
  Reporting Institution: Iron Mining Companies. Data gathered by the Central Bank.
  Data used: Output, physical sales and valuated sales of iron minerals.
  Frequency: Annual.

Balance Sheets and/or Financial Statements
• Source Name: Financial statements, balance sheets, and annual reports.
  Reporting Institution: Iron Mining Companies.
  Data used: Mainly, Operating Income and Expenditure.
  Frequency: Annual.

Statistical Forms & Reports
• Source Name: Chilean Mining Yearbook.
  Reporting Institution: National Mining and Geology Service (Sernageomin).
  Data used: Physical Output by region.
  Publication Frequency: Annual.

Compilation method
The compilation method to transform source data into the production account consists of the following stages:

Aggregation, imputation and validation
Validations and Imputations
Information resulting from surveys is validated with the financial background information reported by companies in their balance sheets and annual reports.

The response rate for these surveys is high; therefore, imputation processes involved are minimal. When necessary, they are prepared based on financial information on income, operating costs, and record data on value added, disseminated by the Superintendency of Securities and Insurance (SSI).
Classification:
The information used for preparing the Production Account of the Iron Mining industry is classified as per the International Standard Industrial Classification Rev. 3 (ISIC Rev.3). Products associated to this industry are classified in terms of the Central Product Classification (CPC).

Estimation Procedures

Generally, the procedures used for estimating the follow-up production account depend on the information sources available:

- In the benchmark compilation, every five years, there is often more complete information available; it is then possible, with the source data, to determine the "best level" for the production account components.
- There is generally less complete information for follow-up compilation. So, in order to obtain the "best-change", prices, quantities, and values from the source data above detailed are used as indicators, whose changes are applied to the levels of the 2003 benchmark production account, by extrapolation, deflation, inflaction, and identities.

The key aspects of the calculation procedure for the main aggregate transactions or variables of the Iron Mining follow-up production account are shown below.

i) Gross Output (GO). Value at constant prices is calculated by extrapolation, using quantity indexes. Value at current prices is determined by extrapolation, using a value index.

ii) Intermediate consumption (IC). Value at constant prices is obtained by extrapolation, using GO at constant prices as an indicator. Value at current prices is determined by inflaction of records at current prices.

iii) Value Added. Value at constant prices is determined by extrapolation, using GO as a single indicator. Value at current prices is obtained as the difference between the GO (at basic prices) and the IC (at purchaser prices).

Data Reconciliation

Record information on output from surveys is confronted with the aggregate information from Sernageomin.

The results obtained from this account industry are analyzed in terms of temporal consistency. That is, they are contrasted in real and nominal terms, with the cross- and intra-industry information available.

The aggregate Iron Mining account is submitted to the balancing processes within the supply and use tables’ framework.

Data Access

Publication

This industry is a component of the Rest of Mining Industry group (together with extraction of oil and natural gas, coal extraction, and other mining activities) of the CBCH’s publications, except for benchmark compilation years disseminated for 73 industries.

Production Account

Period: 2003 through 2007, Base 2003
Link:  http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-
Tables: 1.37 through 1.41
Link: http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm
Tables: 1.30 through 1.47
Period: 1986 through 1998, Base 1986
Link: http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg16a.htm
Tables: 1.29 through 1.56

Value Added and GDP

Period: 1960 through 1985, Base 1977