Presentation

This note relates to the follow-up compilation of the Gross Fixed Capital Formation metadata. Thus, it describes the definition, range, sources, and methodology used in preparing the Gross Fixed Capital Formation item.

Definition and Scope

Definition

It includes expenses added by new durable goods to fixed assets inventory, less net sales of similar second-hand and waste goods, performed by industries, public administrations, and non-profit private services rendered to households.

What is measured / What is excluded

It measures the gross fixed capital formation mainly in construction and other works, machinery and equipment. It excludes investment in own consumption software, and literary works, artistic works, and valuable objects.

Source Data

Administrative Records


Economic Surveys

• Source Name: FECU reporting form (Uniform Coded Statistical Record).
Reporting Institution: Superintendence of Securities and Insurance (SSI).
Data used: Data processed by the party in charge of preparing integrated accounts of the institutional sector non-financial companies, regarding gross fixed capital formation.
Frequency: Quarterly.

• Source Name: Annual Reports and Balance Sheets of leading companies in the industry.
Reporting Institution: Companies engaged in every economic industry (Mining, Energy, Transportation, Telecommunications, etc).
Data used: Accounting data on fixed assets of construction works.
Frequency: Annual.

Other Statistics

• Source Name: Price records.
Data used: Consumer Price Index (CPI), Wholesale Price Index (WPI), and Unit Value Index (IVU) by product group, prices of construction materials.
Frequency: Monthly and quarterly.

Compilation method

The compilation method to transform source data for determining the Gross Fixed Capital Formation consists of the following stages:

Aggregation, imputation and validation

Validation and Imputation

Information resulting from surveys is validated with record data from financial statements and administrative records.

Classification

Gross Fixed Capital Formation is classified in terms of the Central Product Classification (CPC).

Estimation Procedure

Generally, the procedures used for estimating the follow-up Gross Fixed Capital Formation depend on the information sources available:

• In the benchmark compilation, every five years, there is often more complete information available, such as a fixed capital formation matrix (product / industry). It is then possible to determine the “best level” for the Gross Fixed Capital Formation. The Engineering Works component is a case of more complete follow-up information in its version at current prices. The record at constant prices of this component is obtained by deflation.

• However, there is often less complete information available for the follow-up compilation, since there is no fixed capital formation matrix (product / industry) with timing and disaggregation similar to those of the benchmark compilation. Building, other works (investment in agricultural-forestry products), and machinery and equipment components have less complete information. Therefore, the “best change” of prices, quantities, and values from the source data above detailed is applied to gross fixed capital formation levels of the 2003 benchmark compilation, by using extrapolation, deflation and inflactation, as
follows:

i) Building, other works, and domestic machinery and equipment components at constant prices are determined by extrapolation, using quantity index. And at current prices, by inflation of values at constant prices.

ii) Imported machinery and equipment component at current prices is determined by extrapolation, using value index. And at constant prices, by deflation of records at current prices.

Data Reconciliation

Pre-compatibilized records of gross formation of domestic fixed capital are first reconciliated with the output of economic industries. Then, all components are balanced within the supply-use table, particularly machinery and equipment in product flow.

Data Access

Period: 2003 through 2007, Base 2003
Link: [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01e.htm)

Link: [http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm](http://www.bcentral.cl/publicaciones/estadisticas/actividad-economica-gasto/aeg01b.htm)

Period: 1986 through 1998, Base 1986