Definition and Scope

Definition

The Production Account of the Capture Fishery industry considers capture fishery of naturally bred fish and seafood, algae gathering, and aquaculture centers.

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

Sub-industries / Sub-accounts

Capture fishery encompasses five sub-industries: Industrial fishing, offshore fishing, factory ships, algae gathering, and aquaculture centers. Industrial fishing is done by boats over 18 meters in length or over 50 gross registered tonnages (GRT). Generally, offshore fishing consists mainly of self-employed fishers working on boats up to 18 meters long with a storage capacity of up to 50 gross registered tonnages (GRT). Factory ships work in two integrated areas: Capturing and industrially processing fish.

Algae gathering involve exploitation of natural and artificial algae areas. Aquaculture centers are engaged in the exploitation of artificial nurseries of fish and seafood.

Source Data

Economic Surveys


- Source Name: Survey on Salmon Industry. Reporting Institution: Companies. Data gathered by the Central Bank of Chile. Data used: Record data of income and expenditure from salmon companies. Frequency: Annual.


Balance Sheets and/or Financial Statements
• Source Name: Balance sheets, financial statements and annual reports of companies.
  Reporting Institution: Companies.
  Data used: Operating Income and Expenditure. Information provided directly to the BCCH by companies.
  Frequency: Annual.

Statistical Forms & Reports

• Source Name: Fishery Statistical Yearbook of the National Fisheries Service (SERNAPESCA).
  Reporting Institution: SERNAPESCA.
  Data used: Information on physical volumes of fish and seafood shipments and output of the main production lines of industrial manufacture.
  Frequency: Annual.

• Source Name: Exports Records.
  Reporting Institution: Customs.
  Data used: Volume and FOB price of exports of fish, seafood, and algae.
  Frequency: Monthly.

Other Statistics

• Source Name: Physical production and sales index (IPVF).
  Data used: Output record data of Fisheries industry.
  Frequency: Monthly.

• Source Name: Price records.
  Reporting Institution: Fisheries Institute (IFOP), SERNAPESCA.
  Data used: Prices by species and destination.
  Frequency: Monthly.

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
The first stage comprises the process of validation of internal surveys, reviewing consistency and integrity of data. Secondly, volumes of shipments unloaded and harvested, with transformation rates by product and exports.

Classification
The information used for preparing the Production Account of the Capture Fishery 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,
infactation, and identities.

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

i) Gross Output (GO). Value at constant prices is determined by extrapolation, using
quantity indexes for industrial fishing, offshore fishing, algae gathering, and factory
ships. For aquaculture, value at constant prices is determined by deflation of value at
current prices. Value at current prices is determined by infactation of GO at constant
prices (industrial fishing, offshore fishing, algae gathering, and factory ships). For
aquaculture, value at current prices is extrapolated by using value indexes.

ii) Intermediate consumption (IC). Value at constant prices is extrapolated by quantity
indexes (industrial fishing and aquaculture centers) and by GO (offshore fishing, algae
gathering, and factory ships). Value at current prices is determined by infactation of
records at constant prices.

iii) Value Added. Value at constant prices is determined by the double-indicator
method (industrial fishing and aquaculture centers) and extrapolated by GO (offshore
fishing, algae gathering, and factory ships). Value at current prices is obtained as the
difference between the GO (at basic prices) and the IC (at purchaser prices).

Data Reconciliation

The results of the production account of this industry are compared with the
results of the account pertinent to the Fisheries Industry sub-industry.

The results obtained from this Capture Fishery industry account are analyzed
in terms of temporal consistency. This means that consistency of figures is
examined with respect to record data as to shipments, harvests,
transformation rates, industrial demand, and exports.

The aggregate Livestock account is submitted to the balancing processes within
supply-use table framework.

Data Access

Publication

This industry is disseminated for follow-up compilation and for benchmark compilation
with the same disaggregation level.

Production Account

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