

# Joint Eurostat/OECD 2019 questionnaire on the methodology underlying capital stocks data in national accounts

Country: Iceland

Date: August 2019

## *Information regarding Gross Fixed Capital Formation (GFCF) compilation*

This information sheet presents metadata provided by the country for publication by Eurostat. It informs on the methods and sources used to compile GFCF under the [European System of Accounts 2010](#) (ESA 2010). While the questionnaire has a common structure, the level of detail of replies differs from one country to another and, therefore, only available country replies are shown here.

For easier cross-country comparison, users of GFCF data are invited to consult the tabular presentation of metadata on estimation of capital stocks by asset type, industry and institutional sector:

[Capital Stock Metadata in Tabular Format](#)

### **N111. Dwellings**

**Question 1. What is/are the main source/s to estimate GFCF in dwellings in your country, and which are the products or assets included under this asset category? Please specify if sources differ across industries and/or institutional sectors.**

The main data source is the Registers Iceland

**Question 2. What is the length of the GFCF series for dwellings? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across industries and institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 3. Are costs of ownership transfer included in GFCF? How do you define them and treat them in the estimation of capital stocks of dwellings (e.g. treated equally to GFCF, or specific average service life/depreciation profile for these costs)?**

Ownership transfers are included in GFCF. It is estimated as 1.6% of the turnover of all housing sales in Iceland. 1.6% is regarded the average sales % cut for real estate agents in Iceland.

**Question 4. What price indices do you use to deflate GFCF in dwellings, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

Building cost index from Statistics Iceland is used for deflation of dwellings.

### **N1121. Buildings other than dwellings**

**Question 1. Do you have specific GFCF series for detailed asset categories (e.g. office buildings, industrial buildings, public buildings, etc.)? Are your GFCF series broken down by industry and/or institutional sector? If your answer is yes to any of these questions, please describe and provide the link to available data and relevant documents.**

In general business sector buildings other than dwellings/residential buildings are grouped together. However a special asset category is for

- airport, seaport and power plant buildings and structures:

[https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur\\_thjodhagsreikningar\\_fjarmunamyndun\\_fjarmunaeign\\_fjarmunamyndun/THJ03106.px/table/tableViewLayout1/?rxid=1c0d71fb-b845-4829-b953-14c081a287eb](https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur_thjodhagsreikningar_fjarmunamyndun_fjarmunaeign_fjarmunamyndun/THJ03106.px/table/tableViewLayout1/?rxid=1c0d71fb-b845-4829-b953-14c081a287eb).

-also a special asset category is for public buildings:

[https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur\\_thjodhagsreikningar\\_fjarmunamyndun\\_fjarmunaeign\\_fjarmunamyndun/THJ03105.px/table/tableViewLayout1/?rxid=2b484488-5563-42c5-9bd9-be84af50b4e4](https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur_thjodhagsreikningar_fjarmunamyndun_fjarmunaeign_fjarmunamyndun/THJ03105.px/table/tableViewLayout1/?rxid=2b484488-5563-42c5-9bd9-be84af50b4e4).

**Question 2. What is/are the main source/s to estimate GFCF in buildings other than dwellings in your country? Please specify if sources differ across industries and/or institutional sectors.**

The main data source is the Enterprise Accounts Register as well as direct survey information from individual firms.

**Question 3. What is the length of the GFCF series? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differs across assets within this asset category, industries and institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 4. Are costs of ownership transfer of buildings other than dwellings included in this GFCF series? How do you define them and treat them in the estimation of net capital stocks of buildings other than dwellings (e.g. treated equally to GFCF, or specific average service life/depreciation profile for these costs)?**

Yes, total purchased cost are capitalised in Enterprise Accounts Register and is part of our GFCF.

**Question 5. What price indices do you use to deflate GFCF in buildings other than dwellings, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries/institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

Building cost index from Statistics Iceland is used for deflation for buildings other than dwellings.

## **N1122. Other structures**

**Question 1. Do you have specific GFCF series for detailed asset categories (e.g. roads, railways, bridges, etc.)? Are your GFCF series broken down by industry and/or institutional sector? If your answer is yes to any of these questions, please describe and provide the link to available data and relevant documents.**

A specific GFCF series is for:

- Roads and bridges
- Streets and sewers

[https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur\\_thjodhagsreikningar\\_fjarmunamyndun\\_fjarmunaeign\\_fjarmunamyndun/THJ03105.px/table/tableViewLayout1/?rxid=226dbe71-03e0-4a60-88fe-0bdd7f399737](https://px.hagstofa.is/pxen/pxweb/en/Efnahagur/Efnahagur_thjodhagsreikningar_fjarmunamyndun_fjarmunaeign_fjarmunamyndun/THJ03105.px/table/tableViewLayout1/?rxid=226dbe71-03e0-4a60-88fe-0bdd7f399737).

**Question 2. What is/are the main source/s to estimate GFCF in other structures in your country? Please specify if sources differ across industries and/or institutional sectors.**

The main data source is The Financial Management Authority as well as direct data from local city authorities

**Question 3. What is the length of this GFCF series? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differs across assets within this asset category, industries and institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 4. Are costs of ownership transfer of other structures included in this GFCF series? How do you define them and treat them in the estimation of net capital stocks of other structures (e.g. treated equally to GFCF, or specific average service life/depreciation profile for these costs)?**

Cost of ownership is not included, since ownership transfer does hardly ever happen in Iceland

**Question 5. What price indices do you use to deflate GFCF in other structures, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

Building cost index from Statistics Iceland is used for deflation of other structures.

## **N1123. Land improvements**

**Question 1. Does GFCF in other buildings and structures (N112) reported in questionnaires 0102 (GDP identity from the expenditure side), 0302 (Capital formation) and 2200 (Cross-classification of gross fixed capital formation (GFCF) by industry and by asset (transactions)) include land improvements (N1123)?**

No

### **N1131. Transport equipment**

**Question 1. What is/are the main source/s to estimate GFCF in transport equipment in your country?**

The Enterprise accounts register.

**Question 2. Do you have specific GFCF series for detailed asset categories (e.g. motor vehicles, ships, railway locomotives, aircrafts, etc.)? Are your GFCF series broken down by industry and/or institutional sector? If your answer is yes to any of these questions, please describe and provide the link to available data and relevant documents.**

GFCF for transport equipment is mainly divided between two categories:

1. Motor vehicles for industrial use
2. Ships, aircrafts and pertaining equipment

**Question 3. What is the length of these GFCF series? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across assets within this category, industries and institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 4. What price indices do you use to deflate GFCF in transport equipment, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries/institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

A special automotive sub-index from consumer price index is used for deflation of Motor vehicles for industrial use. For ships and aircrafts, a special import price deflator is used.

### **ICT equipment (N1132): computer hardware (N11321) + telecommunications equipment (N11322)**

**Question 1. What is/are the main source/s to estimate GFCF in computer hardware (N11321) and telecommunications equipment (N11322) in your country? Do you have specific GFCF series for detailed assets within these categories (e.g. data processing machines, peripheral equipment, storage units, etc.) in different industries and/or institutional sectors?**

Currently no data is provided for ICT equipment, however from September 2020 data will be provided. The main source will be data from Enterprise Accounts Register as well as survey data. Specific series for different categories is not available.

**Question 2. What is the length of GFCF in computer hardware and telecommunications equipment? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across detailed assets within these asset categories, industries and/or institutional sectors.**

In general our data series are from the year 1990

**Question 3. What price indices do you use to deflate GFCF in computer hardware and telecommunications equipment, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

A special import price deflator will be used.

**Other machinery and equipment and weapons systems (N110): Other machinery and equipment (N1139) + weapons systems (N114)**

**Question 1. What is/are the main source/s to estimate GFCF in other machinery and equipment and weapons systems in your country? Do you have specific GFCF series for detailed assets within these categories (e.g. electrical equipment, weapons, etc.) in different industries and/or institutional sectors?**

The main data source is the Enterprise Accounts Register, however there is no GFCF for weapons systems in Iceland.

**Question 2. What is the length of GFCF in other machinery and equipment and weapons systems? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across assets within each asset category, industries and/or institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 3. What price indices do you use to deflate GFCF in other machinery and equipment and weapons systems, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

For other machinery and equipment, a special import price deflator is used. The index is constructed mainly based on data extracted from the Enterprise Accounts Register. No account is taken care for quality improvements.

**Cultivated biological resources (N115)**

**Question 1. What is/are the main source/s to estimate GFCF in cultivated biological resources in your country? Do you have specific GFCF series for detailed assets within these categories (e.g. orchards, crops, dairy cattle, etc.) in different industries and/or institutional sectors?**

Our main data is derived from Business Registers. The data is deflated by consumer price index.

**Question 2. What is the length of GFCF in cultivated biological resources? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across products within this asset category, industries and/or institutional sectors.**

The length of the GFCF series is from the year 1990

**Question 3. What price indices do you use to construct volume measures of cultivated biological resources, and how do you construct these indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

In general the volume measures are based on market prices of cattle, sheep etc., which is data gathered from Business Registers.

### **Research and development (N1171)**

**Question 1. What is/are the main source/s to estimate GFCF in research and development (R&D)? Please describe briefly the architecture of your estimation method and specify if these differ across different R&D assets (if a breakdown is available), industries and/or institutional sectors.**

The primary data stems from a Frascati survey conducted by the department of business statistics of Statistics Iceland. In order to adapt the survey to National Accounts, "Manual on measuring Research and Development in ESA 2010" published spring 2014 is used for supplementary corrections.

**Question 2. What is the length of GFCF in R&D in your country? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across assets within this category, industries and institutional sectors.**

The length of the GFCF series is from the year 1990. The survey was made for the year 2013 and previous years are estimated with regard to changes in GDP.

**Question 3. What price indices do you use to deflate GFCF in R&D and how do you construct these price indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

A special R&D index is used, which is composed of main sections of R&D expenditures shown in R&D survey results, mostly wage index.

### **Mineral exploration and evaluation (N1172)**

**Question 1. Do you estimate GFCF in mineral exploration and evaluation by detailed asset type? If yes, please specify the detailed asset breakdown.**

No

**Question 2. What is the length of GFCF in mineral exploration and evaluation? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if these differ across assets within this category, industries and institutional sectors.**

The length of the GFCF series is from the year 1990

### **Entertainment, literary and artistic originals (N1174)**

**Question 1. Do you estimate GFCF in entertainment, literary and artistic by detailed asset type? If yes, please specify the detailed asset breakdown.**

No

**Question 2. What is/are the main source/s to estimate GFCF in entertainment, literary and artistic originals? Please describe briefly the architecture of your estimation method and specify if these differ across detailed products within this asset category, industries and institutional sectors.**

Enterprise Accounts Registers

**Question 3. What is the length of GFCF in entertainment, literary and artistic originals? If long GFCF series are available (previous to 1995), how do you estimate historical data? Please, describe additional sources and/or methods, and specify if this differ across assets within this category, industries and institutional sectors.**

From 1997

**Question 4. What price indices do you use to deflate GFCF in entertainment, literary and artistic originals and how do you construct these price indices? How do you account for quality improvements? Do you use specific price indices for detailed asset categories? Do these price indices differ across industries / institutional sectors? If they are available, please provide links to and/or relevant documents and metadata on their construction.**

Consumer price index.