



**An
Phríomh-Oifig
Staidrimh**

Central
Statistics
Office

Standard SIMS Report: Global Value Chains Survey



Single Integrated Metadata Structure (SIMS) Report

For

Global Value Chains Survey

This documentation applies to the reporting period:
2021-2023

Last edited: 10/11/2025



1. Table of Contents

1.	Table of Contents.....	3
2.	Introduction	5
3.	Contact.....	5
4.	Metadata Update	5
4.1.	Metadata last certified.....	5
4.2.	Metadata last posted	5
4.3.	Metadata last update.....	5
5.	Statistical Presentation.....	6
5.1.	Data Description	6
5.2.	Classification System	6
5.3.	Sector Coverage	7
5.4.	Statistical Concepts and definitions	7
5.5.	Statistical Unit	7
5.6.	Statistical Population.....	7
5.7.	Reference Area.....	7
5.8.	Time Coverage	7
5.9.	Base period	7
6.	Unit of Measure	7
7.	Reference Period.....	8
8.	Institutional Mandate.....	8
8.1.	Legal Acts and other agreements	8
8.2.	Data Sharing	8
9.	Confidentiality	8
9.1.	Confidentiality – policy	8
9.2.	Confidentiality – data treatment	8
10.	Release Policy.....	8
10.1.	Release Calendar	8
10.2.	Release calendar access.....	8
10.3.	User access.....	8
11.	Frequency of Dissemination	9
12.	Accessibility and clarity.....	9
12.1.	News release.....	9
12.2.	Publications	9
12.3.	On-line database.....	9
12.4.	Micro-data Access	9
12.5.	Other.....	9
12.5.1.	AC2. Metadata consultations	9
12.6.	Documentation on Methodology.....	9
12.6.1.	AC3 – Metadata completeness – rate	9
12.7.	Quality Documentation	10
13.	Quality Management.....	10
13.1.	Quality Assurance.....	10
13.2.	Quality Assessment.....	10
14.	Relevance.....	10
14.1.	User Needs.....	10
14.1.1.	Main National Users	10
14.1.2.	Principal External Users.....	10
14.2.	User Satisfaction	10
14.3.	Data Completeness	10
14.3.1.	Data Completeness rate	10
15.	Accuracy and reliability.....	11
15.1.	Overall accuracy.....	11
15.2.	Sampling Error.....	11
15.2.1.	A1. Sampling error indicator	11
15.3.	Non-sampling Error	11



15.3.1.	Coverage error.....	11
15.3.2.	Measurement error.....	11
15.3.3.	Non-Response Error.....	11
15.3.4.	Processing error	12
15.3.5.	Model assumption error	12
16.	Timeliness and punctuality	12
16.1.	Timeliness.....	12
16.1.1.	TP1. Time lag – First results.....	12
16.1.2.	TP2. Time lag – Final results.....	12
16.2.	Punctuality.....	13
16.2.1.	TP3. Punctuality – Punctuality - delivery and publication	13
17.	Comparability	13
17.1.	Comparability – Geographical	13
17.2.	Comparability over time	13
17.2.1.	Length of Comparable Time series	13
17.3.	Coherence – cross domain.....	13
17.3.1.	Coherence – Sub annual and annual statistics	13
17.3.2.	Coherence with National Accounts	13
17.4.	Coherence – internal	13
18.	Cost and Burden.....	14
19.	Data Revision	14
19.1.	Data Revision Policy.....	14
19.2.	Data Revision Practice.....	14
19.2.1.	Data Revision – Average size.....	14
20.	Statistical processing	14
20.1.	Source Data.....	14
20.1.1.	Population and sampling frame	14
20.1.2.	Sampling design.....	14
20.1.3.	Survey size	14
20.1.4.	Survey technique	14
20.2.	Frequency of data collection	15
20.3.	Data Collection	15
20.3.1.	Type of Survey/Process	15
20.3.2.	Questionnaire (including explanations).....	15
20.3.3.	Survey Participation	15
20.3.4.	Data Capture	15
20.4.	Data Validation	15
20.5.	Data Compilation.....	15
20.5.1.	Imputation (for Non-Response or Incomplete Data Sets)	16
20.5.2.	Grossing and Weighting.....	16
20.6.	Adjustment.....	16
20.6.1.	Seasonal Adjustment.....	16
21.	Comment.....	16



2. Introduction

The Global Value Chains Survey's overall objective is to monitor enterprises' economic globalisation by developing and providing indicators and new statistical evidence. Policymakers at the national and EU-level and other stakeholders need information about the increasingly globalised enterprises and economic globalisation impacts.

The survey starts with questions on business functions distribution in the enterprise. Further, as a vital part of the survey, it includes questions on global value chains activities and international sourcing of business functions, including questions about the motivations for and barriers against international sourcing. Finally, there is a set of questions to help measure the impact of "external" factors on international sourcing and global value chains activities.

3. Contact

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4. Metadata Update

4.1. Metadata last certified

11/11/2025

4.2. Metadata last posted

11/11/2025

4.3. Metadata last update

11/11/2025



5. Statistical Presentation

5.1. Data Description

The data is collected through an online questionnaire sent to all enterprises in the Irish business economy with 50 or more persons engaged. The survey has questions on business functions distribution in the enterprise, global value chain activities, international sourcing of business functions as well as motivations for and barriers against international sourcing. The survey also has questions on the impact of external factors global value chains.

The data is used to disseminate statistics on the persons engaged in each business function, the number of enterprises participating in global value chain activities, the number of firms that have moved a business function abroad, what business functions they have moved and the destination. The disseminated data also includes the motivation for and barriers to international sourcing as well as effects of external constraints on global value chains. The data also give information on the characteristic of the enterprises such as the sector.

5.2. Classification System

Geographical areas

The following geographical breakdown will be used in the survey:

EU-27 (not including Ireland)

European Countries outside the EU

Non-European Countries

Non-EU countries

Sector

The NACE Rev 2 sections (NACE is the EU classification of Economic Activity):

Section B: Mining and quarrying

Section C: Manufacturing

Section D: Electricity, gas, steam and air conditioning supply

Section E: Water supply; sewerage, waste management and remediation activities

Section F: Construction

Section G: Wholesale and retail trade; Repair of motor vehicles and motorcycles

Section H: Transportation and storage

Section I: Accommodation and food service activities

Section J: Information and communication

Section K: Financial and insurance activities

Section L: Real estate activities

Section M: Professional, scientific and technical activities

Section N: Administrative and support service activities

NACE sections O (Public administration and Defence), P (Education), Q (Human Health and social work activities), R (Arts, entertainment and recreation), S (Other service activities) were not included in the survey.

The results in the publication are grouped as follows:

NACE Rev. 2 groupings	NACE Rev. 2 Codes
Industry and Construction	B - F
Business Services	G - N



5.3. Sector Coverage

NACE Rev. 2 sectors B-N.

5.4. Statistical Concepts and definitions

Persons employed by business function - contains only questions on the distribution of persons engaged per business functions in the enterprise's structure. Business functions are common tasks carried out by an enterprise in order to bring goods and services to market, examples of business functions include Production of goods, Information Technology, Management and administration, Marketing, sales and after-sales etc.

GVC arrangements - focuses on the purchasing and supplying aspects of international trade in goods and services and tries to measure the GVC trade and some of its characteristics.

International sourcing - contains statistics on international sourcing within and outside of the enterprise group, business functions being internationally sourced, locations of international sourcing and the jobs lost or created as a result of international sourcing activity, per business function.

Motivation and barriers for international sourcing - focuses on two key aspects: 1) why are enterprises motivated to internationally source and 2) what are the barriers encountered that stop them from sourcing or make it more difficult.

5.5. Statistical Unit

Information is collected from enterprises.

5.6. Statistical Population

The survey population is made up of all large and medium sized enterprises with 50 or more persons engaged in the Irish business economy (NACE Rev. 2 sectors B-N). This population is identified on the CSO's Central Business Register.

5.7. Reference Area

Ireland.

5.8. Time Coverage

The International Sourcing Survey was conducted on a voluntary basis in 2007 and 2012 covering the reference period 2001-2006 and 2009-2011 respectively. The GVC survey was first conducted in on a pilot basis for 2019-2021. This survey was conducted in 2024 and covers the reference period 2021-2023.

5.9. Base period

Not applicable.

6. Unit of Measure

The final results are expressed in terms of number of persons engaged in business functions, number and percentage of enterprises engaged in Global Value arrangements.



7. Reference Period

2021-2023.

8. Institutional Mandate

8.1. Legal Acts and other agreements

Statistics (Global Value Chains) Order 2021 (S.I. No. 166/2021).

8.2. Data Sharing

Not applicable.

9. Confidentiality

9.1. Confidentiality – policy

All information supplied to the CSO is treated as strictly confidential. The Statistics Act, 1993 sets stringent confidentiality standards: Information collected may be used only for statistical purposes, and no details that might be related to an identifiable person or business undertaking may be divulged to any other government department or body.

These national statistical confidentiality provisions are reinforced by the following EU legislation: Council Regulation (EC) No 223/2009 on European statistics for data collected for EU statistical purposes. Further details are outlined in the CSO's Code of Practice on Statistical Confidentiality.

For more information on the CSO confidentiality policy please visit:

<https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/statisticalconfidentiality/>

9.2. Confidentiality – data treatment

All data are treated as strictly confidential in accordance with Part V of the Statistics Act, 1993. In order to ensure confidentiality, NACE Groups are amalgamated where individuals and/or companies are identifiable.

10. Release Policy

10.1. Release Calendar

The date of dissemination of all statistics released by CSO can be found in the Release Calendar published in CSO.ie. This calendar is regularly updated.

10.2. Release calendar access

The release calendar can be accessed via the CSO website, www.cso.ie, or directly from this link:

<https://www.cso.ie/en/csolatestnews/releasecalendar/>

10.3. User access

In accordance with Principle 6 of the European Statistics Code of Practice all users of CSO statistics have equal access via the CSO website at the same time of 11 am. Any privileged pre-release access to any outside user is limited, controlled and publicised. In the event that leaks occur, pre-release arrangements are revised so as to ensure impartiality.



The CSO recognises that in very limited circumstances a business need for pre-release access may be substantiated. Any form of pre-release access is a privilege and a strict CSO pre-release access policy is adhered to for these special requests. The full pre-release access policy can be accessed at <https://www.cso.ie/en/aboutus/lqdp/csodatapolicies/csopolicyonpre-releaseaccess/>

The various results are published nationally in statistical release format as well as on the CSO website (www.cso.ie) Selected extracts from the results are posted on the CSO's data dissemination database, PxStat.

11. Frequency of Dissemination

Triennial.

12. Accessibility and clarity

12.1. News release

<https://www.cso.ie/en/csolatestnews/pressreleases/>

12.2. Publications

The published release can be found in the CSO website or directly from this link <https://www.cso.ie/en/statistics/internationalenterprises/globalvaluechains/>

12.3. On-line database

The data tables associated to this release can be found in the CSO's dissemination database PxStat. They are available directly from this link <https://data.cso.ie/product/GVC>

12.4. Micro-data Access

Anonymised survey information may be provided to other government departments, approved organisations and approved researchers for statistical purposes only subject to confidentiality requirements expressed in section 9.

12.5. Other

No special analyses.

12.5.1. AC2. Metadata consultations

Not calculated.

12.6. Documentation on Methodology

Documentation on methodology can be found on the methods page of the latest Global Value Chains <https://www.cso.ie/en/methods/internationalenterprises/globalvaluechains/>

Eurostat has published guidelines (<https://ec.europa.eu/eurostat/en/web/products-manuals-and-guidelines/w/ks-gq-23-017>) to assist countries and to ensure that there is a consistent methodology followed in all member states.

12.6.1. AC3 – Metadata completeness – rate

Not calculated.



12.7. Quality Documentation

Further information on the documentation associated with this output can be found in the Methods page in [cso.ie](https://www.cso.ie/en/methods/internationalenterprises/globalvaluechains/)

<https://www.cso.ie/en/methods/internationalenterprises/globalvaluechains/>

13. Quality Management

13.1. Quality Assurance

Quality Management Framework

The CSO avails of an office wide Quality Management Framework (QMF). This framework allows all CSO processes and outputs to meet the required standard as set out in the European Statistics Code of Practice (ESCOP). The QMF foundations are based on establishing the UNECE's Generic Statistical Business Process Model (GSBPM) as the operating statistical production model to achieve a standardised approach to Quality Management. All and any changes implemented to CSO processes and outputs require adherence to the QMF.

13.2. Quality Assessment

As this is a new release quality has not been assessed.

14. Relevance

14.1. User Needs

Measuring global value chains (GVC) and international sourcing as an element of these chains has been a longstanding priority for policymakers, international organisations and researchers. Consequently, the European Business Statistics (EBS) regulation (Regulation (EU) 2019/2152) now includes GVCs as dynamic statistics.

14.1.1. Main National Users

Government, Economic analysts, Professional bodies, General public

14.1.2. Principal External Users

Eurostat

14.2. User Satisfaction

Not measured.

14.3. Data Completeness

Not measured.

14.3.1. Data Completeness rate

Not calculated.



15. Accuracy and reliability

15.1. Overall accuracy

When a survey e-questionnaire is returned to the CSO, the e-questionnaire is scrutinised to catch any errors. If there are errors, the enterprise is contacted to confirm and/or correct the data.

There may be some multiple listings (duplicates) when the census is first taken. These are removed from the census when discovered.

15.2. Sampling Error

A census of enterprises with 50 or more employees was taken therefore there are no specific sampling errors in the survey.

15.2.1. A1. Sampling error indicator

Not applicable

15.3. Non-sampling Error

The main sources of non-sampling errors analysed are detailed further in the sub-concepts listed below.

15.3.1. Coverage error

The survey was a census of all enterprises in Ireland with 50 or more employees in the Irish business economy (NACE Rev. 2 sectors B to N). there may be some multiple listings (duplicates) when the census is first taken. These are removed from the census when discovered.

15.3.1.1. A2. Over coverage rate

Not calculated.

15.3.1.2. A3. Common units – proportion

Not calculated.

15.3.2. Measurement error

Measurement Error is not formally calculated for the survey. The following should be noted:

1. Questionnaire – the questionnaire is clear with definitions provided where necessary. The design of the questionnaire is monitored, and changes made if necessary.
2. Data collection method – the collection method is by eQuestionnaire. This method is unlikely of itself to be a source of measurement error.
3. Respondent - survey data can contain sensitive and confidential information. The survey publishes aggregated results at NACE sector level; no information on individual people or companies is disclosed in the results.

15.3.3. Non-Response Error

All enterprises with 50 or more persons engaged operating in NACE Rev. 2 sectors B-N were included in the survey. More than 4,000 enterprises were surveyed and the response rate to the survey was 40.9%. Returned survey forms were verified and edited before the data was weighted up to the frame population.



To counteract potential bias and make the final distribution representative of the population the following process was developed. First, logistic regression was conducted to generate a response propensity score. This was based on the following characteristics:

NACE sector, Persons engaged, Turnover, Foreign ownership,, Exports, Imports

From this, non-response adjustments were calculated and applied to each respondent. These non-response adjustments were then calibrated to ensure the totals matched to the key characteristics of NACE and size class of the survey population on the Business Register.

15.3.3.1. Unit non response rate

	Response Rate
NACE Rev. 2 Sector	
Business Services	37.6
Industry and Construction	42.0
All NACE Sectors	40.9

15.3.3.2. Item non-response rate

Item non-response is treated by contacting the respondent and trying to obtain the missing data. In the few cases where the data was not obtained, hot-deck donor imputation was used to address item non-response.

15.3.4. Processing error

All possible measures are taken to avoid processing errors. The use of the CSO eForm reduces processing errors as the data is transferred electronically and there is no scanning of postal forms etc.

Where mistakes relating to programming or publishing have occurred, corrective measures taken as well as actions for avoiding them in the future should be reported.

15.3.5. Model assumption error

Stepwise logistic regression was conducted to generate a response propensity score. This was based on the following characteristics:

NACE sector, Persons engaged, Turnover, Foreign ownership, Foreign affiliates, Exports, Imports

From this, non-response adjustments were calculated and applied to each respondent. These non-response adjustments were then calibrated using CALMAR to ensure the totals matched to the key characteristics of NACE and size class of the survey population on the Business Register.

16. Timeliness and punctuality

16.1. Timeliness

Final results were produced 15 months from the end of the reference period.

16.1.1. TP1. Time lag – First results

There are no provisional results for the survey.

16.1.2. TP2. Time lag – Final results

15 months from the final day of the reference period.



16.2. Punctuality.

16.2.1. TP3. Punctuality – Punctuality - delivery and publication

The statistics were released in accordance with the dates set out on the CSO Release Calendar. The national release was published on 11 April 2022 – about four months after the conclusion of the survey.

17. Comparability

17.1. Comparability – Geographical

The GVC survey is conducted by Eurostat members.

17.2. Comparability over time

The International Sourcing Survey that was carried out in 2011 covered 2009-2011 while 2007 covered the reference period 2001 to 2006. These surveys are not directly comparable with the 2020 survey as:

- Shorter reference period: 2011 and 2020 both covered 3 years compared to a 6 year period for the 2007 survey it covered a shorter reference period i.e. 6 years versus 3 years. As international sourcing is an activity or flow variable (rather than a stock variable), one might expect a shorter period to produce a lower international sourcing rate.
- The 2020 survey includes enterprises with 50 employees compared to previous surveys which included enterprises with 100 employees
- 2020 survey includes NACE K

The Global Value Chains Survey carried out in 2021 which covers 2018 – 2021 is comparable to this iteration of the Global Value Chains Survey.

17.2.1. Length of Comparable Time series

The Global Value Chains Survey is a continuation of the International Sourcing Survey. The CSO has previously published International Sourcing in 2007 and 2011. This is the first iteration of the Global Values Chains Survey and will be published every three years.

The International Sourcing component of the survey was compared with previous iterations within similar parameters (NACE sectors and size class) and the results were sufficiently comparable.

17.3. Coherence – cross domain

Not applicable.

17.3.1. Coherence – Sub annual and annual statistics

Not applicable.

17.3.2. Coherence with National Accounts

Not applicable.

17.4. Coherence – internal

The International Sourcing component of the survey was compared with previous iterations within similar parameters (NACE sectors and size class) and the results were sufficiently comparable.



18. Cost and Burden

Estimates of Cost and Burden can be obtained from the Response Burden Barometer
<https://www.cso.ie/en/statistics/multisectoral/responseburdenbarometer/>

Survey specific information is available via CSO's dissemination database PxStat.
<https://data.cso.ie/product/GVC>

19. Data Revision

19.1. Data Revision Policy

Revisions refer to changes made to published statistical data when the information used in its production has been updated or corrected. This information includes all data used in compiling the statistic e.g. respondent data, administrative data, weights and factors, methodology, classifications, definitions, modifications to survey questionnaires, survey scope and data collection methods.

The data revision policy that CSO statistics adheres to can be found via the following link:
<https://www.cso.ie/en/methods/quality/treatmentofrevisions/>

19.2. Data Revision Practice

No revisions to the data are carried out.

19.2.1. Data Revision – Average size

Not applicable.

20. Statistical processing

20.1. Source Data

The data was collected via electronic questionnaire between August and December 2021.

20.1.1. Population and sampling frame

Population is all enterprises with 50 or more employees in NACE Rev. 2 sectors B-N active on the business register in 2023.

20.1.2. Sampling design

The census of large and medium sized enterprises is taken from the central Business Register in the CSO. It includes all enterprises with 50 or more persons employed and active in the Republic of Ireland engaged in NACE sectors B-N. The business activity classifications are based on the Statistical Classification of Economic Activities in the European Community (NACE Rev 2.1).

20.1.3. Survey size

Approximately 4,600 enterprises.

20.1.4. Survey technique

The survey is issued electronically to large and medium sized enterprises active in Ireland. An enterprise that has supplied a valid email address will be emailed or if not, the CSO will contact the enterprise to obtain an appropriate email address to which the survey will be sent. When a survey e-questionnaire is



returned to the CSO, the e-questionnaire is scrutinised to catch any errors. If there are errors, the enterprise is contacted to confirm and/or correct the data.

20.2. Frequency of data collection

Triennial.

20.3. Data Collection

The collection method is by eQuestionnaire.

20.3.1. Type of Survey/Process

The collection is classified as a census survey of large and medium enterprises.

20.3.2. Questionnaire (including explanations)

The questionnaire is available at: <https://www.cso.ie/en/methods/surveyforms/globalvaluechainssurvey/>

- **Module 1: Business function** - contains questions on the distribution of employees and self-employed persons per business function in the enterprise's structure.
- **Module 2: GVC arrangements** - focuses on the purchasing and supplying aspects of international trade in goods and services and tries to measure the GVC trade and some of its characteristics.
- **Module 3: International sourcing** - contains questions that help measure international sourcing within and outside of the enterprise group, business functions being internationally sourced, locations of international sourcing, and the jobs relocated abroad or created as a result of international sourcing activity per business function.
- **Module 4: Motivation and barriers for international sourcing** - focuses on two key aspects: 1) why are enterprises motivated to source internationally and 2) what are the barriers encountered that stop them from sourcing or make it more difficult.
- **Module 5: Impact of recent events on economic globalisation** - adds a novel module that tests the GVC resilience to recent global events.

20.3.3. Survey Participation

Participation in the survey is compulsory under the Statistics (Global Value Chains Survey) Order 2021 (S.I. No. 166/2021) made under the Statistics Act 1993.

20.3.4. Data Capture

Primary data is collected by means of an eQuestionnaire.

20.4. Data Validation

Returned forms are scrutinised to catch any errors and/or missing data. If there are errors and/or missing data, the enterprise is contacted to confirm and/or correct the data. The business register data on persons engaged is used to validate the data on business functions.

20.5. Data Compilation

Data on persons engaged in business functions was used to derive variables on core and support functions. The core business function represents the revenue-producing activity of the enterprise. In most cases, it will be consistent with the enterprise's main activity as classified by the main activity code entered in the business register. A core business function denotes a set of tasks that produce goods or services intended for the market. A core function may span several activities and include related vertical activities (e.g. production of inputs). While enterprises incur costs from carrying out core business



functions, these functions' outputs can also be directly associated with turnover. An enterprise may have one or more core functions. Typically, the core business function relates to the main and the enterprise's secondary activity.

Support business functions are carried out to permit or facilitate the production of goods or services. They do not directly generate turnover, only costs. However, the cost, efficiency, and quality of support functions, especially management, marketing, logistics, R&D and other innovation-related activities, can make essential contributions to enterprises' competitiveness. Support business functions do not correspond to the main or secondary activities of an enterprise (secondary activities correspond to core business functions) but generally, they correspond to ancillary activities.

The following approach was used to identify the core function of the enterprise:

- a) The production of goods and materials is considered a core function
- b) If the business function with the highest share of persons engaged corresponds to the main (principal) NACE code of the enterprise, that is the core function.
- c) If the business function with the highest share of persons engaged does correspond to the NACE code, then the enterprises should be contacted or will be manually corrected based on knowledge of the enterprises or previous survey experience

Data collected on destinations of global purchasing/supplying and sourcing are used to derive new variables on other destinations. For example, if the respondent indicated that they purchased from Northern Ireland or Great Britain then they would have also purchased from the UK.

20.5.1. Imputation (for Non-Response or Incomplete Data Sets)

For non-response in the business function modules, total persons engaged was obtained from the business register. Hot-deck donor imputation was then used to derive the percentage of persons engaged for each business function and applied to the total persons engaged.

20.5.2. Grossing and Weighting

All enterprises with 50 or more persons engaged operating in NACE Rev. 2 sectors B-N were included in the survey. More than 4,000 enterprises were surveyed and the response rate to the survey was 40.9%. Returned survey forms were verified and edited before the data was weighted up to the frame population.

To counteract potential bias and make the final distribution representative of the population the following process was developed. First, stepwise logistic regression was conducted to generate a response propensity score. This was based on the following characteristics:

NACE sector, Persons engaged, Turnover, Foreign ownership, Foreign affiliates, Exports, Imports

From this, non-response adjustments were calculated and applied to each respondent. These non-response adjustments were then calibrated using CALMAR to ensure the totals matched to the key characteristics of NACE and size class of the survey population on the Business Register.

20.6. Adjustment

Not applicable.

20.6.1. Seasonal Adjustment

Not applicable.

21. Comment