



# EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS 2024 ESTORIL - PORTUGAL



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QUALITY IN OFFICIAL STATISTICS  
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# Introducing a NACE classification index to enhance transparency, user-friendliness, and foster uniformity in its application across the European Statistical System

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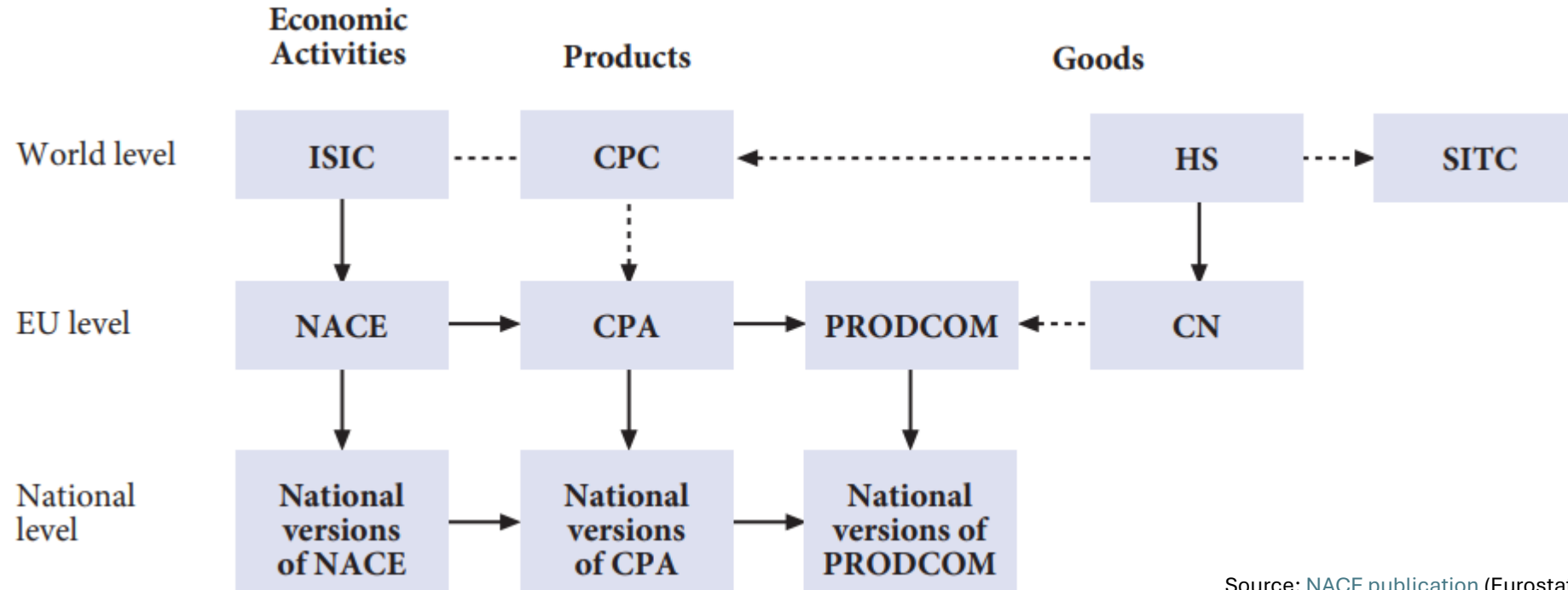
# The NACE classification index

- NACE is the ‘Statistical Classifications of **economic activities**’, it is a hierarchical classifications with four levels, the most detailed level has 651 positions
- NACE is one of the most used classifications in the European Statistical System in over 40 statistical products; e.g. European business statistics, national and satellite accounts
- The NACE index breaks down the content of each NACE class into granular entries (currently over 8500 draft entries):
  - Improved transparency, standardisation of coding practices
  - More machine-processable content which can boost the performance of the search function of the online platform for visualising classifications and the performance of automatic coding approaches
  - Facilitates the revision work (formulation of explanatory notes and creation of correspondence tables)
- Scalable to other classifications of the integrated system of classifications



## Development of a dynamic online platform

- User-friendly interface will enable users to input specific search terms to find correct categories in the relevant classifications
- Shows correspondences and linkages between the classifications in the integrated system of statistical activity and product classifications:





# Eurostat and the Publications Office

Publication of reference data assets

Usage of open source vocabular management tools

Collaborative platforms

Internal  
sharing

– Publications  
Office teams  
and projects

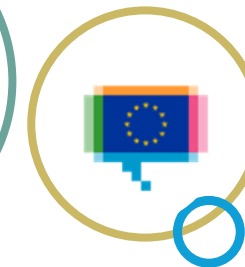
Additional  
sharing

– EU Institutions and bodies  
– EU Member States  
– International organisations  
– Private sector  
– Academia

Digital Europe  
Programme (DIGITAL)  
European Commission



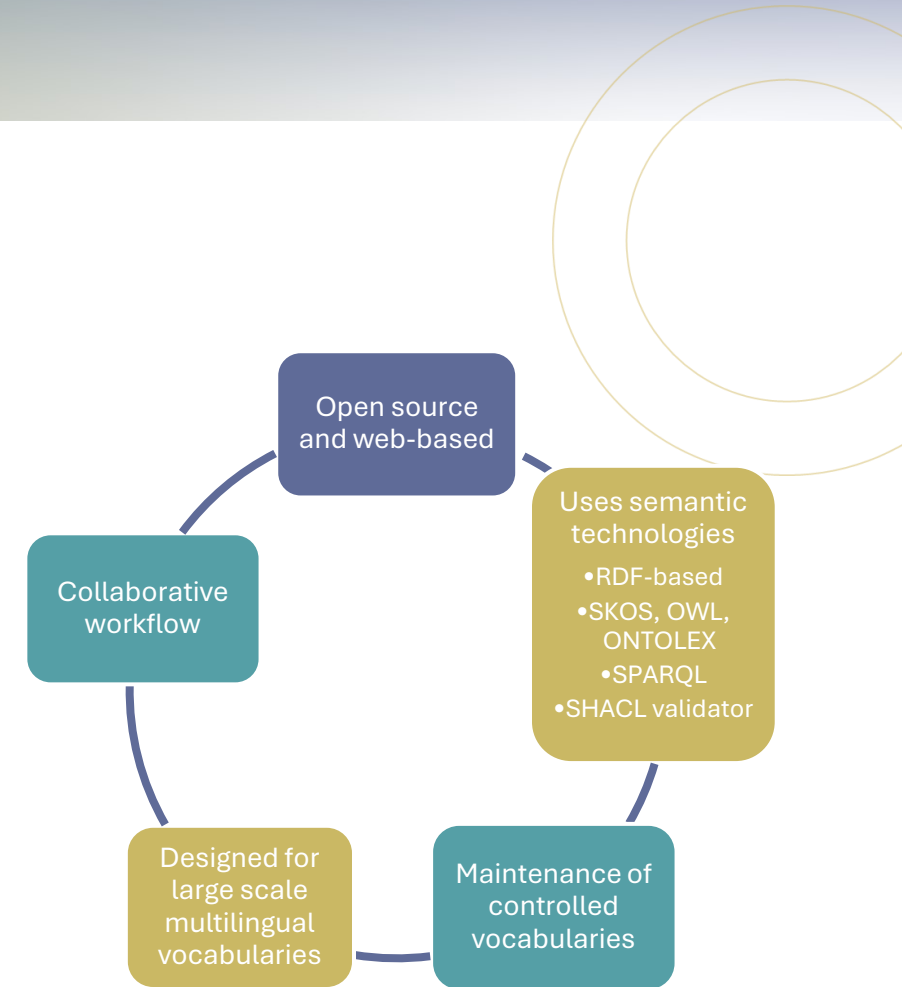
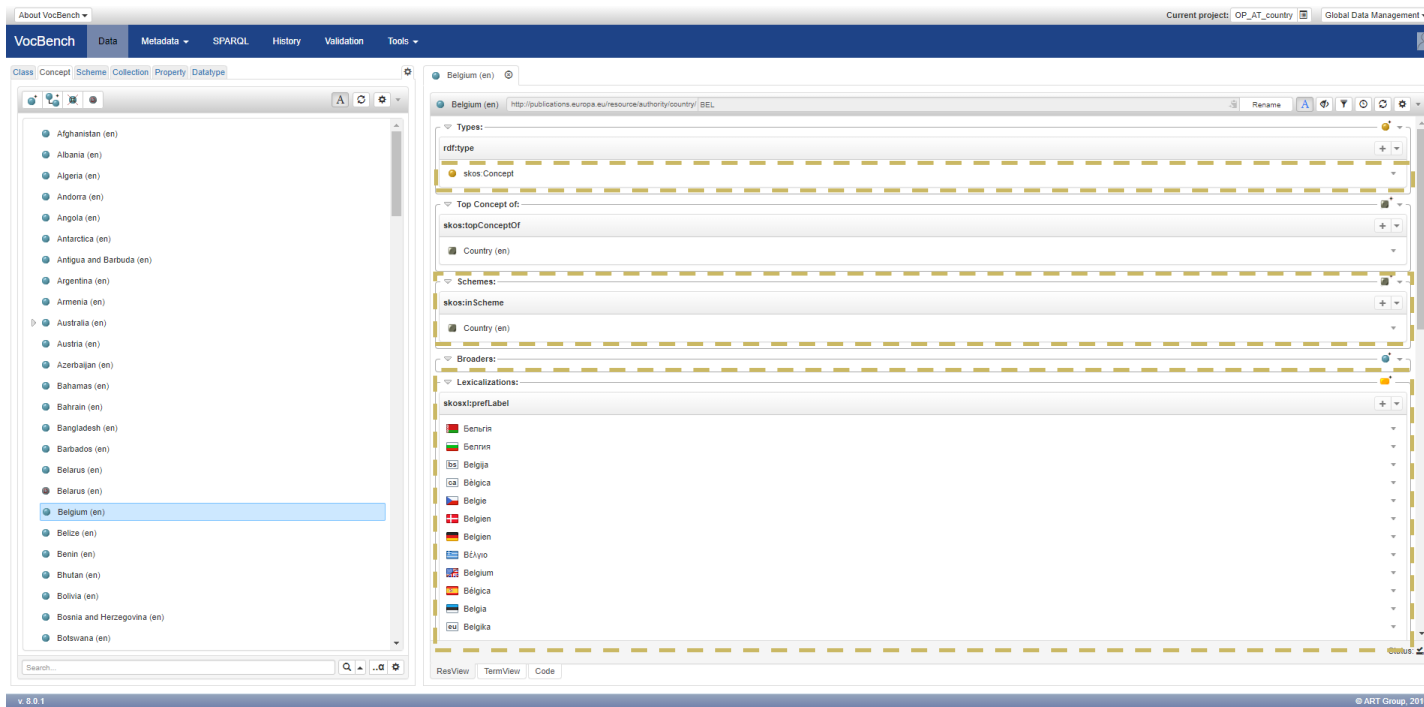
University of  
Rome Tor Vergata



Publications  
Office of the EU



# VocBench





# ShowVoc



## Browse ShowVoc datasets

Dataset type	Datasets
<input checked="" type="checkbox"/> KOS <input checked="" type="checkbox"/> Ontologies <input checked="" type="checkbox"/> Lexicons	<p><b>CHEBI</b> Model: <b>OWL</b> Lexicalization: <b>RDFS</b> <a href="http://purl.obolibrary.org/obo/chebi.owl#">http://purl.obolibrary.org/obo/chebi.owl#</a> ChEBI Release version 196 Author: ChEBI curation team</p>
<input checked="" type="checkbox"/> Only open datasets	<p><b>Classification_of_Business_Functions_(CBF_1.0)</b> Model: <b>SKOS</b> Lexicalization: <b>SKOS</b> <a href="http://data.europa.eu/38u/cbf1.0/">http://data.europa.eu/38u/cbf1.0/</a> <a href="https://unstats.un.org/UNSDWebsite/statcom/session_53/documents/BG-3v-doc_CBF-E.pdf">https://unstats.un.org/UNSDWebsite/statcom/session_53/documents/BG-3v-doc_CBF-E.pdf</a></p>
	<p><b>Classification_of_Resource_Management_Activities_2008_(CReMA_2008)</b> Model: <b>SKOS</b> Lexicalization: <b>SKOS</b> <a href="http://data.europa.eu/os/crema2008/">http://data.europa.eu/os/crema2008/</a></p>
	<p><b>Countries_and_territories</b> Model: <b>SKOS</b> Lexicalization: <b>SKOSXL</b> <a href="http://publications.europa.eu/resource/authority/country/">http://publications.europa.eu/resource/authority/country/</a> Additional information available on EU Vocabularies space on code.europa.eu (<a href="https://code.europa.eu/eu-vocabularies/countries-and-territories">https://code.europa.eu/eu-vocabularies/countries-and-territories</a>)</p>
	<p><b>DCAT-AP_Shapes</b> Model: <b>RDFS</b> Lexicalization: <b>RDFS</b> <a href="http://data.europa.eu/r5r">http://data.europa.eu/r5r</a> The DCAT Application profile for data portals in Europe (DCAT-AP) is a specification based on the Data Catalog vocabulary (DCAT) for describing public sector datasets in Europe. Its basic use case is to enable a cross-data portal search for data sets and make public sector data better searchable across borders and sectors. This can be achieved by the exchange of descriptions of data sets among data portals.</p>
	<p><b>DIGIT_CloudProcurement</b> Model: <b>SKOS</b> Lexicalization: <b>SKOS</b> <a href="http://dev.data.europa.eu/z8y/">http://dev.data.europa.eu/z8y/</a></p>
	<p><b>EDDA_TermMapping</b> Model: <b>OWL</b> Lexicalization: <b>RDFS</b></p>
	Filter <input type="text"/>



## Browse ShowVoc datasets

Dataset type	Datasets
<input checked="" type="checkbox"/> KOS <input checked="" type="checkbox"/> Ontologies <input checked="" type="checkbox"/> Lexicons	<p><b>Countries_and_territories</b> Model: <b>SKOS</b> Lexicalization: <b>SKOSXL</b> <a href="http://publications.europa.eu/resource/authority/country/">http://publications.europa.eu/resource/authority/country/</a> Additional information available on EU Vocabularies space on code.europa.eu (<a href="https://code.europa.eu/eu-vocabularies/countries-and-territories">https://code.europa.eu/eu-vocabularies/countries-and-territories</a>)</p>
<input checked="" type="checkbox"/> Only open datasets	<p><b>OP_EuroVoc</b> Model: <b>SKOS</b> Lexicalization: <b>SKOS</b> <a href="http://eurovoc.europa.eu/100141/">http://eurovoc.europa.eu/100141/</a> EuroVoc is a multilingual, multidisciplinary thesaurus covering the activities of the EU. It contains terms in 24 EU languages (Bulgarian, Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Irish, Italian, Latvian, Lithuanian, Maltese, Polish, Portuguese, Romanian, Slovak, Slovenian, Spanish and Swedish), plus in three languages of countries which are candidate for EU accession: Albanian, Macedonian and Serbian.</p>
	<p>Countries <input type="text"/></p>







# ShowVoc

Publications Office website / EU Vocabularies  
<https://op.europa.eu/en/web/eu-vocabularies>

The screenshot shows the top navigation bar of the EU Vocabularies website. It includes the European Union logo, a search bar, and a dropdown menu for 'EU Vocabularies'. Below the navigation bar, there are links for 'Home', 'EU law', 'European data', 'EU tenders', 'EU research results', 'EU Whoiswho', and 'EU publications'. A 'Permanent link' button is also visible.

This screenshot shows the 'Countries and territories' dataset page. It includes a 'Dataset URI' field, a 'Dataset type' of 'Name authority list', and an 'Author' of 'Eurostat'. The 'Publisher' is 'Publications Office of the European Union' and the 'Subject' is 'geography'. A detailed description follows, explaining that the dataset is a controlled vocabulary for geographical entities. A 'Version' dropdown is set to '20240321-0' with a 'LATEST' badge. A magnifying glass icon highlights the 'Advanced view' link in the navigation menu. Below the description, there are several download links for different file formats like RDF, XSD, and XML.

For the names of countries and territories, the corporate list synchronises with the Interinstitutional Style Guide (ISG, Section 7.1 and Annexes A5 and A6) and with the IATE terminology database.

Membership and classification properties provide possibilities to group concepts, e.g., UN, EU, EEA, EFTA, Schengen area, Euro area, NATO, OECD, UCPM, ENP-EAST, ENP-SOUTH, EU candidate countries and potential candidates.

The corporate list 'Countries and territories' is maintained by the Publications Office of the European Union and disseminated on the EU Vocabularies website. Regular updates are foreseen based on its stakeholders' needs.

[Downloads in human-readable formats](#) (.csv, .html) are also available.

This screenshot shows the 'Countries\_and\_territories' dataset page in the ShowVoc interface. The version is '20240321-0' with a 'LATEST' badge. The 'Advanced view' link is highlighted with a dashed green box. The page displays a list of countries and territories under the 'Alignments' section, with 'Portugal (en)' selected. A magnifying glass icon highlights the search bar and navigation icons at the bottom. On the right, a table shows properties for the selected concept, including 'Type', 'Top Concept Of', 'In Scheme', 'Preferred Label', 'Alternative Label', 'Change Note', 'Sf Within', 'Version Info', and 'Notation'.

Property	Value
Type	skos:Concept
Top Concept Of	Countries and territories (en) Current EU members (en) List of current countries (en)
In Scheme	Countries and territories (en) Current EU members (en) List of current countries (en)
Preferred Label	Portugal (en)
Alternative Label	Portuguese Republic (en)
Preferred Label	Portugal (en)
Alternative Label	Portuguese (en) Portuguese Republic (en)
Change Note	Portugal is 'related to' Azores and Madeira, 2 outermost regions OMR which have no ISO code. (en)
Sf Within	<a href="http://publications.europa.eu/resource/authority/continent/EUROPE">http://publications.europa.eu/resource/authority/continent/EUROPE</a>
Version Info	20230915-0
Notation	.pt {PRT} 148 351 620 620 P P P P P



# ShowVoc

Publications Office website / EU Vocabularies  
<https://op.europa.eu/en/web/eu-vocabularies>



European Union

Log in

## EU Vocabularies

Search  nace2

Home | EU law | European data | EU tenders | EU research results | EU Whoiswho | EU publications

Home > EU Vocabularies > Controlled vocabularies > Dataset

Home | Controlled vocabularies | Models | Business collections | Online tools | Releases | Help

Permanent link | Add to my lists | Create alert



Asset

### Statistical Classification of Economic Activities in the European Community Rev. 2

Go to asset list

Browse content

**Dataset URI:** <http://publications.europa.eu/resource/dataset/nace2>

**Dataset type:** Taxonomy

**Author:** [Eurostat](#)

**Publisher:** [Publications Office of the European Union](#)

**Description:** NACE Rev. 2 (Statistical Classification of Economic Activities in the European Community) is the classification of economic activities in the European (EU). It is the European version of [ISIC](#) (International Standard Industrial Classification of All Economic Activities), Rev. 4, which is a global classification of economic activities maintained by the United Nations.

Legal basis: [Regulation \(EC\) No 1893/2006](#) of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2 and amending Council Regulation (EEC) No 3037/90 as well as certain EC Regulations on specific statistical domains, OJ L 393, 30.12.2006, p. 1-39.

Eurostat website: [NACE Rev. 2 - Overview](#)

NACE Rev. 2 is maintained by Eurostat and published by the Publications Office of the European Union on the EU Vocabularies website.

Version: 2 **LATEST**

[Downloads](#) | [Documentation](#) | [Alignments](#) | [Release notes](#) | [Diff files](#) | [Advanced view](#)

Published: 2024-04-25

Downloads

[SDMX\\_NACE\\_REV2.xml](#)

[ESTAT-NACE2.rdf](#)

[ESTAT-NACE2-skos-ap-eu.rdf](#)

Legal basis: [Regulation \(EC\) No 1893/2006](#) of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2 and amending Council Regulation (EEC) No 3037/90 as well as certain EC Regulations on specific statistical domains, OJ L 393, 30.12.2006, p. 1-39.

Eurostat website: [NACE Rev. 2 - Overview](#)

NACE Rev. 2 is maintained by Eurostat and published by the Publications Office of the European Union on the EU Vocabularies website.

Version: 2 **LATEST**

[Downloads](#) | [Documentation](#) | [Alignments](#) | [Release notes](#) | [Diff files](#) | [Advanced view](#)

## ESTAT\_Statistical\_Classification\_of\_Economic\_Activities\_in\_the\_European\_...

Data | Sparql | Metadata

Concept | Collection | Scheme | Property

10.11 Processing and preserving o... <http://data.europa.eu/ux2/nace2/1011>

Alignments

- ▶ A AGRICULTURE, FORESTRY AND FISHING (en)
- ▶ B MINING AND QUARRYING (en)
- ▶ C MANUFACTURING (en)
  - ▶ 10 Manufacture of food products (en)
    - ▶ 10.1 Processing and preserving of meat and production of meat products (en)
      - ▶ 10.11 Processing and preserving of meat (en)
      - ▶ 10.12 Processing and preserving of poultry meat (en)
      - ▶ 10.13 Production of meat and poultry meat products (en)
    - ▶ 10.2 Processing and preserving of fish, crustaceans and molluscs (en)
    - ▶ 10.3 Processing and preserving of fruit and vegetables (en)
    - ▶ 10.4 Manufacture of vegetable and animal oils and fats (en)
    - ▶ 10.5 Manufacture of dairy products (en)
    - ▶ 10.6 Manufacture of grain mill products, starches and starch products (en)
    - ▶ 10.7 Manufacture of bakery and farinaceous products (en)
    - ▶ 10.8 Manufacture of other food products (en)
    - ▶ 10.9 Manufacture of prepared animal feeds (en)
    - ▶ 11 Manufacture of beverages (en)
    - ▶ 12 Manufacture of tobacco products (en)
    - ▶ 13 Manufacture of textiles (en)
    - ▶ 14 Manufacture of wearing apparel (en)
    - ▶ 15 Manufacture of leather and related products (en)
    - ▶ 16 Manufacture of wood and of products of

Type

skos:Concept

In Scheme

Statistical Classification of Economic Activities in the European Community, Rev. 2 (NACE Rev. 2) (en)

Preferred Label

- 10.11 Производство и преработка на месо, без месо от домашни птици (bg)
- 10.11 Zpracování a konzervování masa (cs)
- 10.11 Forarbejdning og konservering af kød (da)
- 10.11 Schlachten (ohne Schlachten von Geflügel) (de)
- 10.11 Επεξεργασία και συντήρηση κρέατος (el)
- 10.11 Processing and preserving of meat (en)
- 10.11 Procesado y conservación de carne (es)
- 10.11 Liha töötlemine ja säilitamine (et)
- 10.11 Teurastus ja lihan säilyvyyskäsittely (pl. siipikarja) (fi)
- 10.11 Transformation et conservation de la viande de boucherie (fr)
- 10.11 Prerada i konzerviranje mesa (hr)
- 10.11 Húsfeldolgozás, -tartósítás (hu)
- 10.11 Lavorazione e conservazione di carne (it)
- 10.11 Mésos perdírbimas ir konservavimas (lt)
- 10.11 Gaļas pārstrāde un konservēšana (lv)
- 10.11 Ipproccessar u preservar ta' laham (mt)
- 10.11 Verwerking en conservering van vlees (nl)
- 10.11 Bearbeiding og konservering av kjøtt (no)
- 10.11 Przetwarzanie i konserwowanie mięsa, z wyłączeniem mięsa z drobiu (pl)
- 10.11 Abate de gado (produção de carne) (pt)
- 10.11 Prelucrarea și conservarea cărnii (ro)
- 10.11 Переработка и консервирование мяса (ru)
- 10.11 Spracovanie a konzervovanie mäsa (sk)
- 10.11 Proizvodnja mesa. razen perutninskega (sl)



# ShowVoc customisation for NACE



## EU Vocabularies

[Home](#) | [EU law](#) | [European data](#) | [EU tenders](#) | [EU research results](#) | [EU Whoiswho](#) | [EU publications](#)

### NACE Rev. 2.1

[Data](#) [Downloads](#)

**10 Manufacture of food products ...**

**Preferred Label** 10 Manufacture of food products (en)

**Broader** C MANUFACTURING (en)

**This class includes**

This division includes the processing of the products of agriculture, forestry and fishing into food for humans or animals, and includes the production of various intermediate products that are not directly food products. The activity often generates associated products of greater or lesser value (for example, hides from slaughtering, or oilcake from oil production).

This division is organised by activities dealing with different kinds of products: meat, fish, fruit and vegetables, fats and oils, milk products, grain mill products, animal feeds and other food products. Production can be carried out for own account, as well as for third parties, as in custom slaughtering.

Some activities are considered manufacturing (for example, those performed in bakeries, pastry shops, and prepared meat shops etc., which sell their own production) even though there is retail sale of the products in the producers' own shop. However, where the processing is minimal and does not lead to a real transformation, the unit is classified to section G. This division includes the processing of the products of agriculture, forestry and fishing into food for humans or animals, and includes the production of various intermediate products that are not directly food products. The activity often generates associated products of greater or lesser value (for example, hides from slaughtering, or oilcake from oil production).

This division is organised by activities dealing with different kinds of products: meat, fish, fruit and vegetables, fats and oils, milk products, grain mill products, animal feeds and other food products. Production can be carried out for own account, as well as for third parties, as in custom slaughtering.

Some activities are considered manufacturing (for example, those performed in bakeries, pastry shops, and prepared meat shops etc., which sell their own production) even though there is retail sale of the products in the producers' own shop. However, where the processing is minimal



## Expected benefits

- The NACE index serves as an *additional information layer* for NACE in a keyword-type, more machine-processable format
- *user-friendly interface* tailored terminologically for statisticians and non-technical users, straightforward text definitions, easy to use search and download capabilities, targeted inclusion or exclusion of descriptions, a simplified two-tab menu for data and downloads, a customisable landing page
- conversion of NACE classification into *linked data, facilitating the ongoing exchange and integration of data between various platforms and applications*
- encourages collaboration among stakeholders, fostering continuous innovation and the refinement of classification systems



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