

Ameco Online User Manual

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Document History

Version	Date	Comment	
0.1	16/02/2021	Document created	
0.5	13/04/2021	Final draft revision	
1.0	15/04/2021	Final version	
1.01	19/04/2021	Correction in annex due to visualisation issue	
1.03	01/04/2022	Adaptation to inclusion of vintages and extended variable labels	

1. Introduction

AMECO Online is the publicly available annual macro-economic database of the European Commission's Directorate General for Economic and Financial Affairs.

The database contains data for the EU, the euro area, EU Member States, candidate countries and other OECD countries, for a total of over 40 countries. Data is organized in eighteen chapters, from population and employment via main national accounts aggregates such as gross domestic product to sector accounts and the cyclical adjustment of public finance variables. Each chapter is organised in a number of subchapters, which in turn contain a different number of variables.

2. AMECO ONLINE DATA VISUALISATION

This section explains how to visualise data in a Web browser and make it available for subsequent download. Please consult section 3 – Downloading AMECO Data for more detailed information on the possibilities for download.

2.1. Initial selection screen

The initial selection screen of AMECO Online allows to select one or more chapters, sub-chapters and variables. It corresponds to a tree view that allows the free selection of chapters, subchapters and, ultimately, variables. In addition, it is also possible to select vintage AMECO data.

• Start with the selection of either the current version of AMECO Online – the default selection – or the vintage version of an earlier release, via the button

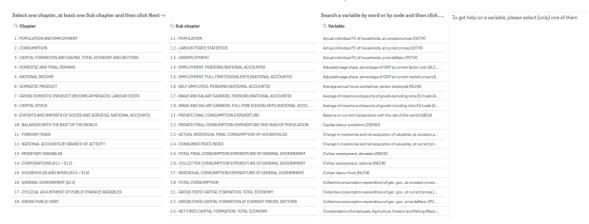


Only one current or vintage version can be selected at any given moment. The selected version is indicated in blue letters at the top of the page.

IMPORTANT: at least one chapter or one variable should be selected to proceed.

- Continue with the selection of chapters. Selected chapters will be marked in green and with a "marked" sign. Selection of chapters will automatically adapt the list of sub-chapters and variables available for further selection.
- To validate your selections, use or select a value in another list.
- The values on a green background are the selected values, the values on a white background are the values associated with your selections and the values on a grey background are the values not associated with your selections.
- Continue with the selection of subchapters. If no subchapters are selected, all variables in
 the chapter will be available when passing to the next screen. Once subchapters have been
 selected, only those chapters from which at least one subchapter has been chosen will retain
 the green marking. The list of variables available for further selection will be adapted.

• Continue then with the selection of variables. Only subchapters from which at least one variable has been chosen will remain marked in green.



Please note that the variable labels have been changed in March 2022 to include additional information so far included only in the chapter and sub-chapter titles. This change only applies to the current (and future) versions, not to vintages.

Following the selection of one or more variables, the button will leave the initial selection screen and enter the Main selection screen.

It is possible to make multiple selections by clicking individual items separately or by **holding the mouse button and scrolling over the desired selections.**

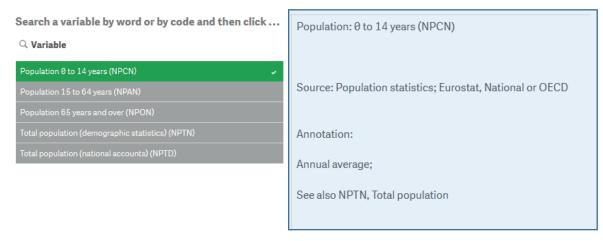
Selections made can be **cleared individually** prior to switching to the Main selection screen



Clear all selections

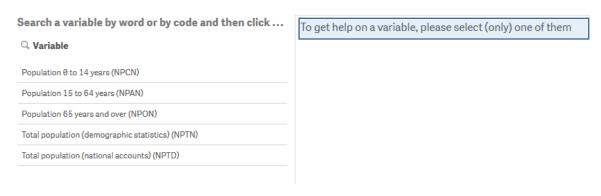
The initial selection screen also foresees the possibility to obtain detailed information about individual variables.

If a (single) variable is selected, the description of the variable will be displayed:



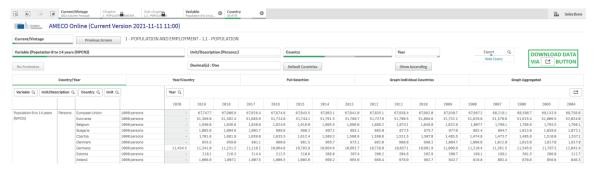
If no help is available for the variable, the text "No help available" is displayed.

Otherwise the following message is displayed:



2.2. Main selection screen

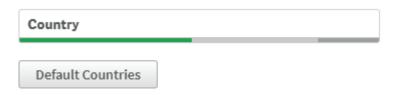
Once one or a set of variables of interest have been selected on the initial selection screen, the main selection screen allows for further refinement, in particular regarding countries, years, variables (based on the initial selection), units and decimals to be used. It also allows initially selected variables to be excluded from display.



Regarding the selection possibilities, please note that:

- selections made can be **mutually exclusive** as they are based on associative model
- boxes **marked with a green** bar indicate that a subset of values is selected. The length of the bar indicates the relative size of the current selection. A green bar covering the entire button indicates that all available values have been selected.
- the available variables depend on the initial selection screen
- to reset the initial selection please use the "Previous screen" button

2.2.1. Country selection



The country button allows to select different countries whilst the default country button resets the list to the standard selection.

The **default country** selection includes:

- the 27 individual European Union Member States
- the European Union
- and the Euro Area.

2.2.2. Time selection



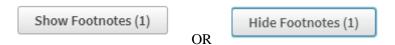
The Year selection gives the possibility to select one or more specific years, by default **all data since 1960 is selected**. (When you click on Year, you can type >= 2000 in the search area to select all years greater than or equal to 2000)

The button "Show Ascending" or "Show Descending" enables toggling the sort order of the years.

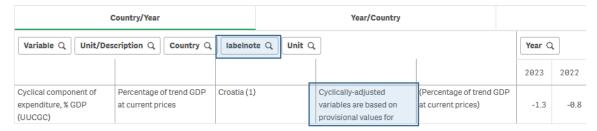
2.2.3. Footnotes button



The button will be inactive if there are no Footnotes in your selection.

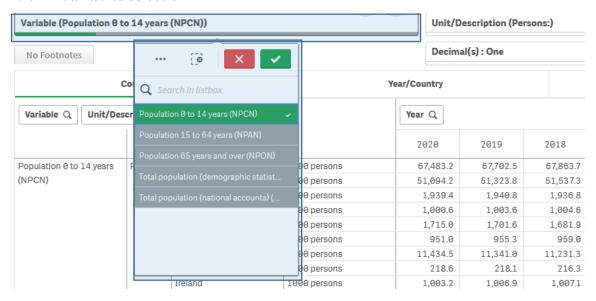


In case footnotes are available, the same button will allow you to hide or show them.



Please note that only some particular data sets have footnotes, in case none are present in the selection, the button layout is "No footnotes" and becomes inactive.

2.2.4 Variables selection



This selection box allows you to further restrict the subset of variables of the initial selection. It does not allow to go beyond the scope of the initial selection set of chapters and subchapters. For

this, the "previous screen" button can be used. Note that you will lose selections made on this screen when going back.

Within this selection window, the entire initial selection is shown in grey, and actively selected variables in green.

Changing the selection will change the order of entries, in that selected (green) entries automatically move upwards

2.2.5 Unit/Description selection



This selection permits the choice of units (e.g. currency) or presentations (e.g. percentage of GDP), depending on which are available for the variables selected.

If a unit is displayed in the title, (e.g. "Persons:"), it means that this unit has been selected or that this is the only unit available for the variables selected.

2.2.6 Decimals selection



This selection permits the choice of decimal precision via the number of decimals. Available options are "one", "two" or "all".

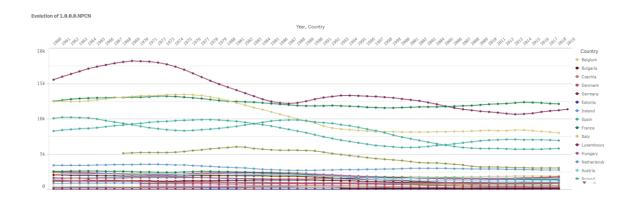
2.3. Data representations & Graphs

Country/Year Year/Country Pull Selection Graph Individual Countries Graph Aggregated

In addition to the default tabular Country vs. Year visualisation, other data representations are:

- Year vs. Country which essentially transposes the Country and Years axis
- Full selection which includes also the names of Chapters and Sub-Chapters (selected earlier)
- **Graph individual countries** which displays a graphical overview of countries selected excluding the aggregated values at EU member or Euro area level
- **Graph Aggregated** which displays the aggregated values at EU member or Euro area level only

Graphs are only displayed if only one variable and one unit are selected.



Please also note that:

- If no data is available, a "-" sign is displayed instead
- Where a subchapter has only **one key concept (e.g. population)**, the variable names on their own may not be fully illustrative. In this case, the "**Full selection**" visualisation option may be particularly helpful.

2.4. Search function

Using the magnifying glass, a keyword search function allows for text search across the entire data set.

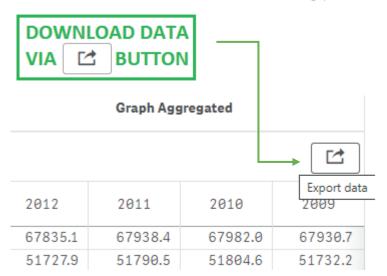
IMPORTANT: the search is limited to the **actual selections made** in the initial and main selection screen, please reset your selections if you want to have a broader search.



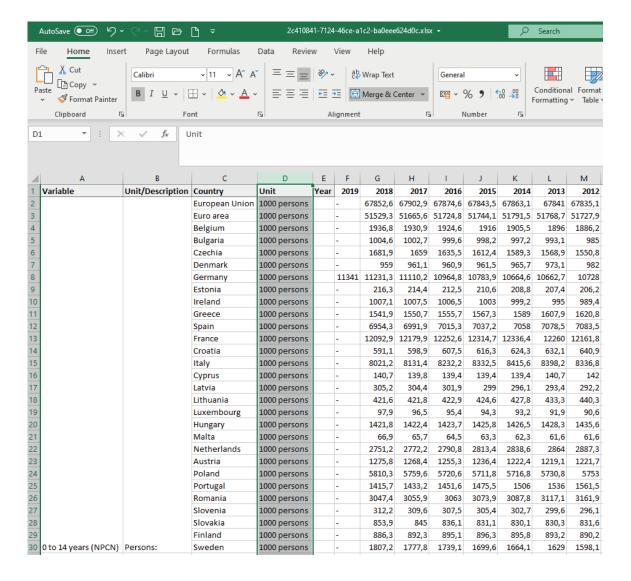
3. DOWNLOADING AMECO ONLINE DATA

3.1. Exporting Ameco Online data in .XLSX format

To download selected data into .XLSX format, simply click on the symbol.



A file with a randomly generated name will be exported containing the same data set displayed in your browser. 92a46e69-2127-4...xlsx

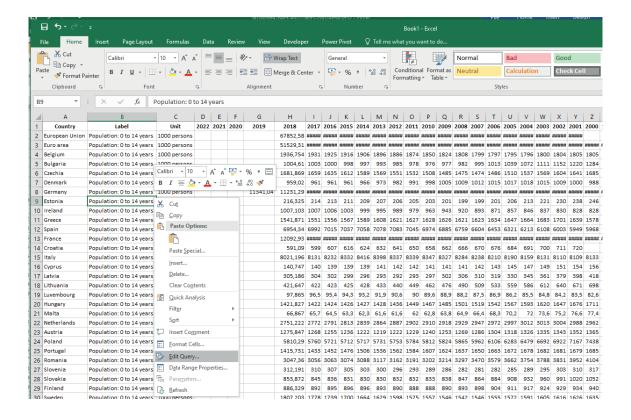


3.2. Accessing Ameco Online data <u>directly</u> from within Excel (Web Query function)

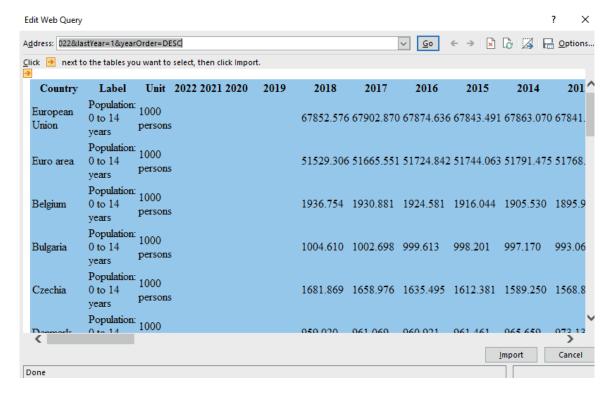
By clicking on the "Export – Web Query" function, it is possible to create an Excel Web Query file (.iqy format) which will allow you to **refresh AMECO Online data without having to use a Web browser interface**¹.



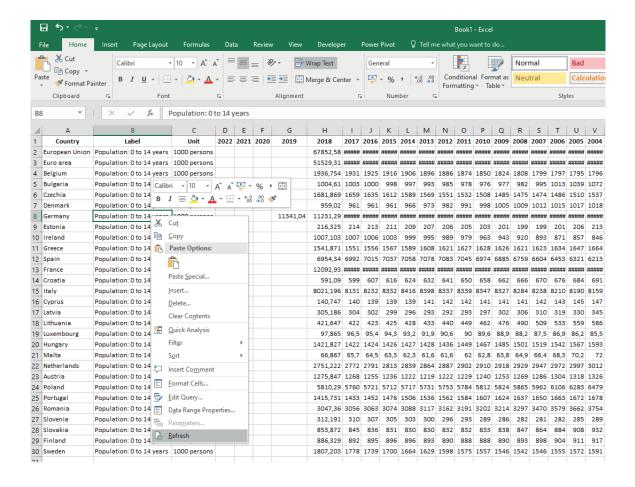
¹ Please note that new variables will not be added automatically to the Web Query file.



The query can be edited in Excel directly using the « **Edit Query** » function by right-clicking in the sheet on any field.



It is possible to refresh to data, making it unnecessary to perform the selections described under point 2 again.



This **Excel Web Query file** is in fact a **text file** containing the query corresponding to your selection and can be edited in any text editor:

3.3. Accessing AMECO data via a Web API

AMECO Data can be queried through a Web API, the parameters which can be used are the following:

Base URL: https://ec.europa.eu/economy_finance/ameco/wq/series?

Parameter description	Parameter name	Value (example)
Indicator codes (these can be	fullVariable	1.0.0.0.NPTD, 1.0.319.0.UTCGC
found a.o. in the initial selection		
screen)		
Countries	countries	BEL,BGR
Default Countries	defaultCountries	1
Years	years	2018,2017,2016
Include the last year or not	Lastyear = 0 or 1	0 or 1
Ordering of the years (descending or ascending)	Yearorder	ASC or DESC

This example would give the following as a URL:

 $https://ec.europa.eu/economy_finance/ameco/wq/series?fullVariable=1.0.0.0.NPTD, \\ 1.0.319.0.UTCGC\&countries=BEL,BGR\&defaultCountries=1\&years=2018,2017,2016\&Lastyear=0\&Yearorder=ASC$

3.4. Downloading annual Ameco data sets in CSV format

It is also possible to download annual AMECO data sets per Chapter in CSV format. These data sets are stored in a .zip format and available under the following URL:

 $https://ec.europa.eu/info/business-economy-euro/indicators-statistics/economic-databases/macro-economic-database-ameco/download-annual-data-set-macro-economic-database-ameco_en$

Last update : Autumn 2021 Economic Forecast (11/11/2021)

All Files

Population and Employment
Consumption

Capital Formation and Saving,
Total Economy And Sectors

Domestic and Final Demand
National Income

Domestic Product

Note on data coding : Ameco Online data files numerical coding

All Files

AMECO - All zipped text files

Population and Employment

• population

• labour force statistics

Gross Domestic Product

• unemployment

(Income Approach), Labour

• employment, persons (national accounts)

Costs

• employment, full-time equivalents (national accounts)

self-employed, persons (national accounts)

• wage and salary earners, persons (national accounts)

• wage and salary earners, full-time equivalents (national accounts)

AMECO - Population and Employment

PAGE CONTENTS

Capital Stock

Accounts

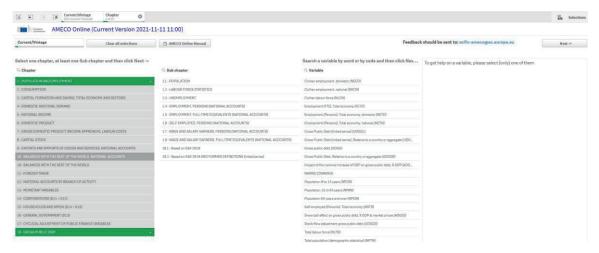
Exports and Imports of Goods

And Services, National

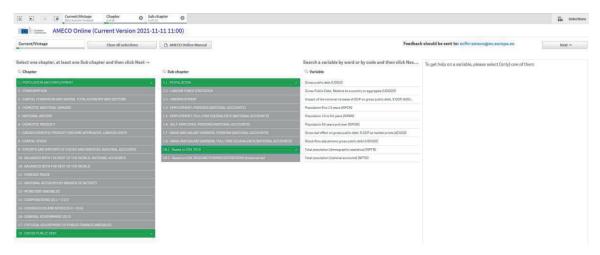
Annex A

Example of how to retrieve data for calculating general government debt per head of population from AMECO Online

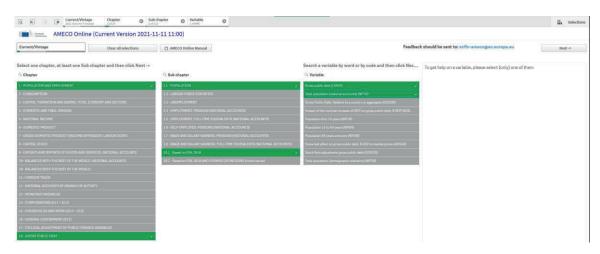
1. On the start screen of AMECO Online at http://ec.europa.eu/economy_finance/ameco select chapters 1 (population and employment) and 18 (gross public debt):



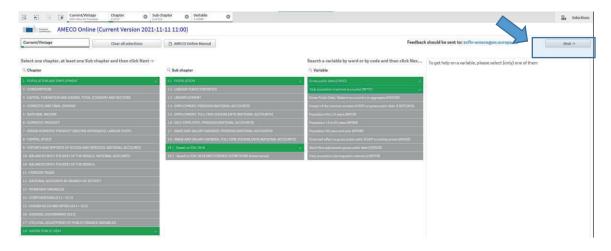
2. Select sub-chapters 1.1 (population) and 18.1 (based on ESA 2010):



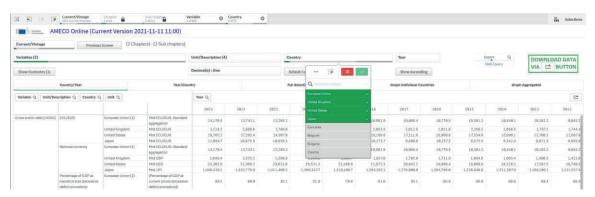
3. Select variables "Total population (national accounts) (NPTD)" and "Gross public debt (UDGG)":



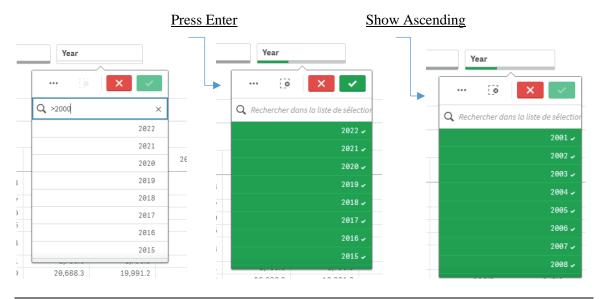
4. Press "Next":



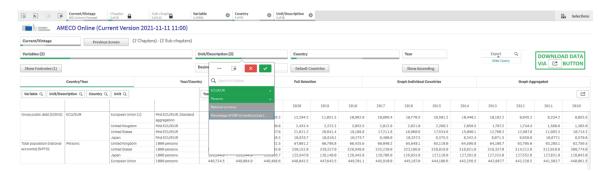
5. In the selection box "Country", select the desired countries (here: European Union, United Kingdom, Japan, United States):



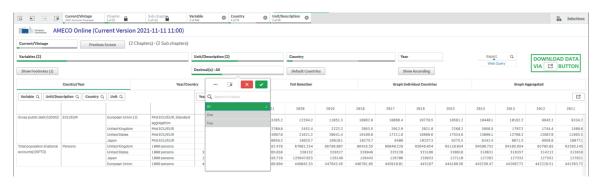
6. In the selection box "Year", select the desired time span (here: >2000). Type ">2000" in the search box and press enter. Click on the button "Show Ascending" next to it to switch to display years in ascending order.:



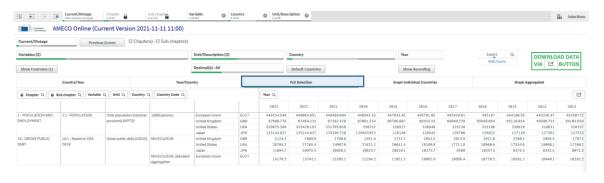
7. In the selection box "Unit/description", select the desired units (here: "ECU/EUR" and "Persons"):



8. In the selection box "Decimals", select the desired precision (here: "all")



9. Click on "Full selection" to show also chapter and sub-chapter titles:



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10.Click on the "Export data" button:

