



User guide

Accessing Eurostat New Cronos

This guide is intended to introduce you to the Beyond 20/20 Web Data Server interface by carrying out a simple and hopefully typical research task using the Eurostat New Cronos.

Task: Visualise and download air pollutant figures for a number of Eurostat member countries from 1990 to present day.

It is divided into three stages:

1. Finding and selecting the data
2. Visualising the data
3. Downloading the data

Approx. time to complete: 20 minutes.

1. Finding and selecting the data

Find Eurostat New Cronos on the UK Data Service website or via the following url:
<http://esds80.mcc.ac.uk>

Input UK HE/FE institutional username and password in the login window.

If you have not already registered with the UK Data Service you will then be automatically redirected to complete an online registration after which you will need to agree to the Eurostat New Cronos special conditions prior to being able to access the data using only your UK HE/FE institutional username and password.

On entering the Beyond 20/20 Web Data Server site for the Eurostat New Cronos, you should see a folder labelled 'New Cronos database'. Within this folder you will find three folders labelled:

- Database by Themes: contains the full range of public data available at Eurostat. They are presented in multi-dimensional tables with multiple selection features and export formats.
- Tables by Themes: contains most important Eurostat data in simple tables. All data are presented in simple 2 or 3-dimensional tables.
- Tables on EU Policy: provides various sets of data which track EU policies. The indicators presented are relatively stable and can be used to assess progress towards the policy goals.

Name 
 Database by themes. Contains full range of public data.
 Tables by themes. Contains most important Eurostat data in simple tables.
 Tables on EU policy. Provides data to track EU policies.

Click on the **'Tables by themes' folder** and you will see a folder for each of the 9 statistical themes of the New Cronos:

- General and Regional Statistics
- Theme 1: Economy and finance
- Theme 2: Population and social conditions
- Theme 3: Industry, trade and services
- Theme 4: Agriculture, forestry and fisheries
- Theme 5: External trade
- Theme 6: Transport
- Theme 7: Environment and energy
- Theme 8: Science and technology

Expand the 'Theme 7: Environment and energy' folder to display its contents and choose 'Environment (t_env)' and then 'Greenhouse Gases-Air Pollution (t_env_air)' followed by 'Total Greenhouse Gas Emissions (source: EEA) (ten00072)'.

A table should appear with two dimensions: Time (displaying the years available) and Geo (displaying the countries). You are currently in the Table view and can see two other tabs for 'Reports' view and 'Chart' view.

- Reports: returns to the list of Eurostat datasets
- Table: displays the tabular view of the selected data (current view)
- Chart: displays the diagrammatic view of the selected data

Use the **'Select items to view' tool**  in order to refine your search by selecting items from each of the available dimensions.



Select items to view tool

Reports **Table** Chart

Total Greenhouse Gas Emissions (source: EEA) (ten00072) i

Other:

time	1997	1998
geo	↑↓	↑↓
Austria	82,489.00	81,877.00
Belgium	145,089.00	150,722.00
Bulgaria	83,794.00	74,725.00

Click on 'Select items to view' and choose the first dimension option, 'geo'.

On the left-hand side of the screen, you will see the available dimensions under 'Columns', 'Rows', and 'Other' headings. The current dimension is highlighted in grey. For example, in the next screenshot the 'geo' dimension is highlighted and the countries available for selection within that dimension are shown on the righthand side of the page. The dimensions in Eurostat New Cronos Total Greenhouse Gas Emissions (source: EEA) (ten00072) table are as follows:

Columns: Time, (Years).

Rows: Geo (Countries/Geopolitical entities).

Others: Unit.

Use the 'Clear all' tool to deselect all of the selected tick boxes against each country and choose the following ten countries by placing a tick next to each:

- Belgium
- Switzerland
- Spain
- France
- Ireland
- Liechtenstein
- Lithuania
- Malta
- Sweden
- Turkey

Move onto the next dimension, 'time', by either by clicking on the 'Select items to view' icon and then selecting 'time' or by clicking directly on the dimension's name under the 'Columns' heading.

All years will already be selected giving you annual data from 1998 onwards.

Note: In some tables in Eurostat New Cronos, the period of time is represented as follows:

a = annual,

s = biannual

q = quarterly,

m = monthly,

d = daily,

c = cumulated from January.

For example, 1985a00 = Annual data from 1985,

1970q01 = First quarter data from 1970,

1990m08 = Monthly data from August 1990.

Item selection

The screenshot shows the 'Item selection' interface for 'Total Greenhouse Gas Emissions (source: EEA) (ten00072)'. The table size is 10 rows by 12 columns. Under 'COLUMNS:', 'time' is selected. Under 'ROWS:', 'geo' is selected. On the right, a list of years from 1997 to 2008 is shown, all with checked boxes. A 'Search' button and a 'Select range' checkbox are also visible.

Note: There is a profile function in Beyond 20/20. Profiles enable you to save your selections from each dimension (for example, country or series) of the database. When you return to the database you can reactivate your previously saved profiles. Selections in each dimension are saved individually so you can save selections in as many or few dimensions as you want.

For example, say you wish to select data for a number of countries. Once you have selected your countries

you can then save this selection as a named profile by clicking on the profile icon  then choosing 'Save current selections as a profile' option: Beyond 20/20 will then remember the countries you have selected and store this selection as a named profile for you to use in future sessions. The procedure can be repeated for any other dimension of the database.

Each time you log on, Beyond 20/20 will recognize who you are and can retrieve your previously saved selections for that database. This means that the next time you wish to run the same query you can click on the profile icon then select 'Activate profile' to reopen your saved selections. The profiles will be saved until you choose to delete them.



You have now completed the 'Finding and selecting data' stage and can move on to visualising your data.

2. Visualising the data

There are two ways of visualising data in Beyond 20/20 WDS - in chart or table format.

View the report in table format by using the 'Show table' button at the top of the screen.

Table tab

Total Greenhouse Gas Emissions (source: EEA) (ten00072) i

Other:

time	1997	1998	1999	2000	2001
geo	↑↓	↑↓	↑↓	↑↓	↑↓
Belgium	145,089.00	150,722.00	144,310.00	144,643.00	144,369.00
Switzerland	51,146.00	52,406.00	52,649.00	51,882.00	52,781.00
Spain	328,280.00	338,741.00	367,322.00	380,797.00	380,500.00
France	564,893.00	578,381.00	561,667.00	557,068.00	559,195.00
Ireland	61,885.00	64,738.00	66,155.00	67,757.00	69,601.00
Liechtenstein	251.00	262.00	261.00	255.00	254.00
Lithuania	22,761.00	23,666.00	20,884.00	19,388.00	20,525.00
Malta	2,487.00	2,497.00	2,584.00	2,598.00	2,709.00
Sweden	73,215.00	73,745.00	70,366.00	68,861.00	69,480.00
Turkey	271,882.00	274,046.00	274,778.00	297,006.00	278,112.00

In the default view of the table that appears, you will see the years (time) displayed in columns and the countries (geo) displayed in rows. The 'units' dimension is listed at the top of the screen under 'other'.

If you wish to rearrange the format of the table, you can do so by dragging and dropping the dimension headings to swap geo and time dimensions. To do this, move your cursor over the 'geo' dimension heading until it changes into a four-pointed arrow, left-click and drag the heading over the 'time' dimension. Drop when in desired position.

Reports Table Chart **Set Dimension Order Tool**

Total Greenhouse Gas Emissions (source: EEA) (ten00072)

Other:

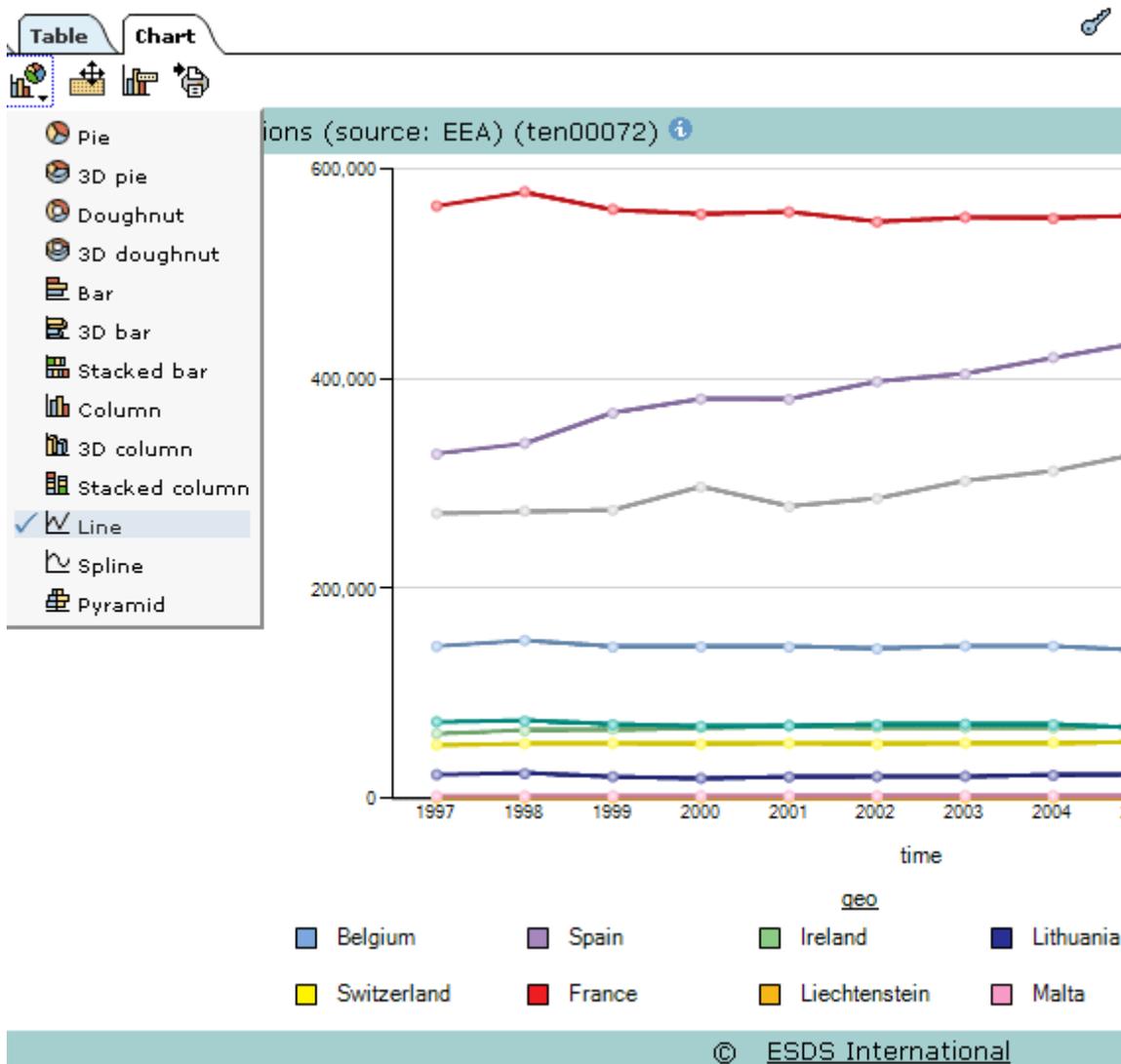
time	1998	1999	2000	20
↑↓	↑↓	↑↓	↑↓	↑
Belgium	145,089.00	150,722.00	144,310.00	144,3
Switzerland	51,146.00	52,406.00	52,649.00	52,7
Spain	328,280			30,5
France	564,893			59,1
Ireland	61,885			59,6
Liechtenstein	251			2
Lithuania	22,761			20,5
Malta	2,487			2,7
Sweden	73,215.00	73,106.00	73,000.00	69,4
Turkey	271,882.00	274,046.00	274,778.00	278,1

To reformat tables, drag and drop the dimension headings or use the 'Set Dimension Order' tool

Alternatively, you can use the 'Set dimension order...'  tool to reorganise the table.

View the report in chart format by selecting the 'Chart' tab at the top of the screen.

In the example screenshot below, the chart shows the selected Eurostat New Cronos data and chart types.



Use the 'Chart types' icon to change chart type and the 'View printable version' icon to print the chart.

To save the chart image, (use Alt + Print Screen and paste into a paint program as right-clicking to 'Save picture as' only saves the chart itself and not the chart key or heading.)

3. Downloading the data

Return to the 'Table' tab to download the data to your PC. Manipulate the table into desired format using the dimension headers as the table layout and the contents are downloaded exactly as they appear on the screen.

Use the 'Download' icon and select your desired download format.

The screenshot shows the Eurostat interface with the 'Table' tab selected. A red arrow points to the 'Download report data' button. Below the button, a dropdown menu is open, showing options for file formats: 'Beyond 20/20 table format (*.ivt)', 'Microsoft Excel format (*.xls)', 'Comma-delimited ASCII format (*.csv)', and 'Semicolon-delimited ASCII format (*.csv)'. The main table displays data for 'Total National Emissions' across four categories: Carbon monoxide, Methane, Nitrous oxide, and Carbon dioxide, with values for the years 1991, 1992, and 1993.

		1991	1992	1993
ca	ai	↑↓	↑↓	↑↓
Total National Emissions	Carbon monoxide	1,528,904.00	1,351,283.00	1,332,969.00
	Methane	495,436.00	485,921.00	478,184.00
	Nitrous oxide	34,754.00	34,401.00	33,240.00
	Carbon dioxide	118,817,429.00	121,886,734.00	118,835,128.00

The rest of the process is the same as downloading any file from the web.

Congratulations! You have successfully completed the Eurostat New Cronos tutorial. Now you are ready to do some serious work with your downloaded data.

If you would like to move to another database you can select the 'Useful links' dropdown box at the top of the page then select the database you require.

Tested on Firefox 17 and Internet Explorer 8.

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