

## Guide to accessing international macro data using Beyond 20/20 Web Data Server: Eurostat New Cronos

ESDS International at Mimas, University of Manchester provides support for and access to the key international datasets produced by Inter-Governmental organisations such as Eurostat (the Statistical Office of the European Communities). The data is accessed via the delivery software Beyond 20/20 Web Data Server (WDS) and is freely available to UK FE and HE.

This guide is intended to introduce you to Beyond 20/20 WDS by carrying out a simple research task. The task is: to visualise and download air pollutant figures for a number of Eurostat member countries from 1990 to 2006 using the Eurostat New Cronos.

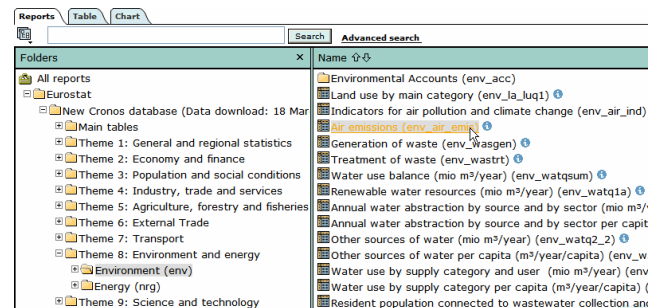
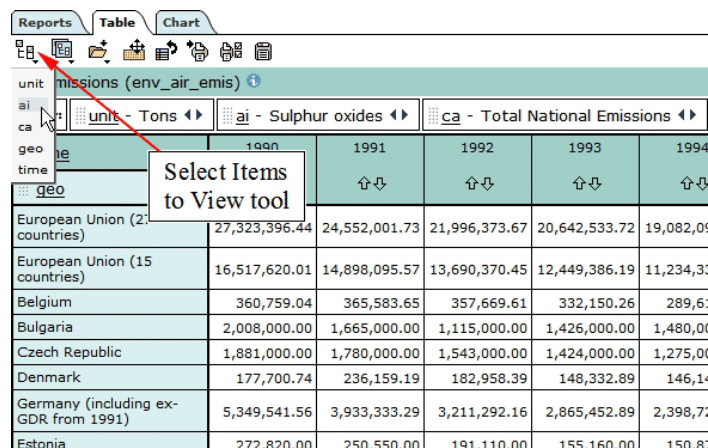
### Stage 1: Finding and selecting your data

Choose Eurostat data from the Direct Links to macro data drop down list on the ESDS International website.

Alternatively use <http://esds.mcc.ac.uk/wds/eurostat/>

Input UK HE/FE Institutional username and password in the login window. (Note: You will be re-directed to online ESDS registration and special conditions if not yet completed).

In the opening Reports screen click on the New Cronos database folder > Theme 8: Environment and Energy > Environment (env) > Air pollution-climate change (env-air) > Air emissions (env\_air\_emis) table.

unit	1990	1991	1992	1993	1994
ai					
ca					
geo					
time					
geo					
European Union (27 countries)	27,323,396.44	24,552,001.73	21,996,373.67	20,642,533.72	19,082,000.00
European Union (15 countries)	16,517,620.01	14,898,095.57	13,690,370.45	12,449,386.19	11,234,300.00
Belgium	360,759.04	365,583.65	357,669.61	332,150.26	289,600.00
Bulgaria	2,008,000.00	1,665,000.00	1,115,000.00	1,426,000.00	1,480,000.00
Czech Republic	1,881,000.00	1,780,000.00	1,543,000.00	1,424,000.00	1,275,000.00
Denmark	177,700.74	236,159.19	182,958.39	148,332.89	146,100.00
Germany (including ex-GDR from 1991)	5,349,541.56	3,933,333.29	3,211,292.16	2,865,452.89	2,398,700.00
Estonia	277,820.00	250,550.00	191,110.00	155,160.00	150,800.00

Use the Select Items to View tool to view the 'ai' dimension. Use the Clear All [x] tool and then select Carbon Monoxide, Carbon Dioxide, Methane and Nitrous Oxide by placing a tick in the tick boxes next to each of them.

Use the Select items to view tool to move onto the 'ca' dimension or alternatively click on the ca dimension name under the heading other.

Clear all and select Total National Emissions from the ca dimension by placing a tick in the appropriate tick box.

Now Select items to view and select 'geo'.

**Tip:** You can also move between dimensions by clicking directly on the relevant dimension's name within the interface

In the geo dimension clear all and then select the following countries: Belgium, Czech Republic, Germany, Spain, France, Italy, Lithuania, Netherlands, Portugal, Slovenia, Finland, United Kingdom and Malta.

Finally click Select items to view and choose time. Leave all year items ticked.

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

## Stage 2: Visualising the data

Use the **Show Table** tool at the top of the screen to view the report in table format.

Drag and drop dimension headings to alter the format of the report and display dimension headings as follows:

**Columns:** time  
**Rows :** ca, ai

**Tip:** Alternatively, to alter the format of the report, simply select the **Set Dimension Order...** tool from the top left of the interface and use the arrows to reorder the dimensions

time		1990	1991	1992
Belgium	Carbon monoxide			
	Methane			
	Nitrous oxide	34,754.00	34,401.00	33,240.00
Czech Republic	Carbon dioxide	118,817,429.00	121,886,734.00	118,835,128.00
	Carbon monoxide	1,062,739.00	1,151,527.00	1,157,022.00
	Methane	879,117.00	800,194.00	752,232.00
	Nitrous oxide	38,196.00	32,298.00	28,875.00

To re-organise the order of the dimensions, either drag and drop the dimension headings or use the **Set Dimension Order tool**

Use the **Chart** tab at the top of the screen to view the report in chart format. It should look like this chart.

Use the **Chart icons** in the top left of the screen to change the dimensions, chart type and to view a printable version of the chart. Use the **Set Dimension Order** tool to ensure that under **Columns** is time, under **Rows** is ca and ai, and under **Other** is unit and geo.

Use **Alt + Print Screen** to save the chart image as right clicking to 'Save picture as...' only saves the chart itself and not the chart key or heading.

**Tip:** The layout i.e. row, column configuration and content is downloaded exactly as it appears on screen.

## Stage 3: Downloading the data

The report must be in table format to download to your computer. Select the **Table** tab to return to table view.

Use the **Download icon** located at the top of the screen and select your desired download format: \*.vt, \*.csv, or \*.xls.

**Congratulations!** You have completed the ESDS International introductory worksheet for Beyond 20/20 WDS using Eurostat New Cronos. Now you are ready to further explore the functionality of Beyond 20/20 WDS for extracting, manipulating and visualising international data. If you have any queries or feedback, please contact us on [international@esds.ac.uk](mailto:international@esds.ac.uk)

For further information on the topical and geographical coverage of Eurostat New Cronos -please view our comprehensive dataset user guide on the ESDS International website under **Support > User Guides**

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