

Guide to accessing international macro data using Beyond 20/20 Web Data Server: International Energy Agency Coal Information Statistics

ESDS International at Mimas, University of Manchester provides support for and access to the key international datasets produced by Inter-Governmental organisations such as the International Energy Agency (IEA). 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: Visualise and download hard coal production figures for the People's Republic of China, United States, United Kingdom, India and Africa from 1980 onwards using the International Energy Agency Coal Information database.

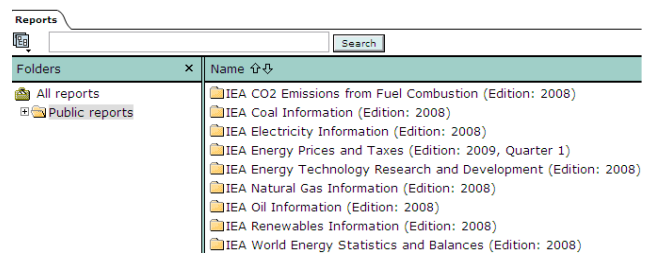
Stage 1: Finding and Selecting your data

Choose **IEA data** from the **Direct Links to data** drop down list on the ESDS International website. Alternatively use http://esds.mcc.ac.uk/wds_iea/

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 **Coal Information**.

A list of coal related reports will appear. Select the report, **World, Coal Supply and Consumption**.



TIME (Y)	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Production	6,439	6,125	5,843	6,299	6,442	6,207	5,912	5,888	5,234	4,951	5,042	6,712	11,351	12,337	12,541	15,786	14,389
From Other Sources - coal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
From Other Sources - oil products	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
From Other Sources - renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
From Other Sources - non-specified	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	11,149	11,096	11,178	13,372	13,371	14,740	14,811	14,345	15,715	15,991	17,557	16,176	16,836	15,995	12,763	15,054	14,224
Exports	-772	-850	-809	-954	-1,165	-1,106	-1,108	-1,284	-1,303	-1,326	-1,973	-7,008	-7,714	-10,943	-10,734	-11,697	-11,762
International Mercantile Bankers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock Changes	-158	140	129	250	336	147	323	36	390	-14	-825	-53	-1,444	1,427	2,640	-2,100	797
Domestic Supply	16,654	16,421	16,251	18,947	18,983	20,008	19,940	19,065	20,046	19,286	20,011	18,827	18,431	17,056	16,778	17,793	17,606
Transfers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

From the **Select Items to View** option in the toolbar, click on **Flow**.

Use the **clear all [x]** button to remove any existing selections and place a tick next to **Production** to select this dimension item.

Move onto next dimension **Product** using the **Select items to view** option from the toolbar.

Use the **clear all** button to remove any existing selections and select **Hard Coal**.

Move onto next dimension **Country** using the **Select items to view** option from the toolbar.

Use the **clear all** button to remove any existing selections and select **People's Republic of China, United States, United Kingdom, India and Africa**.

Move onto next dimension **Time** using the **Select items to view** option from the toolbar.

Use the **clear all** tool to remove the existing selections.

Use the **Select Range** tool to select **1980 - 2005**.

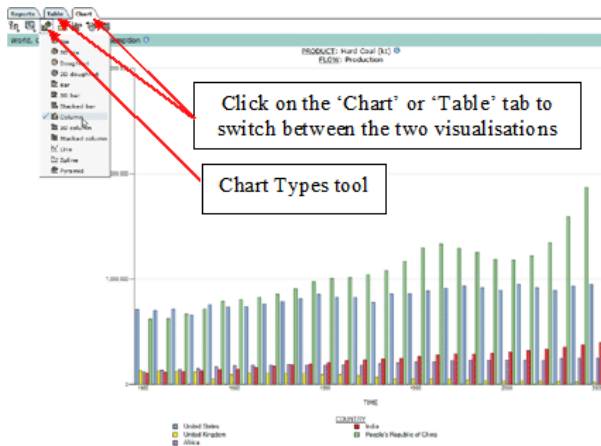
Stage 2: Visualising the data

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

In the default view of the table which appears, only the **row** and **column** dimensions will be displayed - all other dimensions will be listed at the top of the screen as 'OTHER'.

Change the format of the table by dragging and dropping the dimension headings as shown. Alternatively, use the Set Dimension Order option from the toolbar

TIME	1980	1981	1982	1983	1984	1985	1986	1987
COUNTRY								
United States	710,178	701,346	712,381	656,579	755,562	735,935	738,426	
United Kingdom	128,209	125,301	121,427	116,448	49,549	90,858	104,641	
Africa	119,859	132,650	143,455	150,302	167,908	178,978	182,682	183,704
India	105,115	114,191	121,532	128,309	138,431	144,437	158,356	170,503
People's Republic of China	620,150	621,640	666,330	714,530	789,230	803,854	824,174	855,813



View the report in chart format by clicking on the **Chart** tab at the top of the screen.

Use the **Chart Types** option from the toolbar to change the chart type and chart size.

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.

Stage 3: Downloading the data

The report must be in table format to download to your pc. Click on the **Table** tab at the top of the screen to return to the tabular view.

Use **Download** option from the toolbar and select your desired download format - ***ivt**, ***csv**, or ***xls**.

Tip: The layout i.e. row, column configuration and content is downloaded exactly as it appears on screen so manipulate the data prior to download

Use the Download tool to download report data

TIME	1984	1985	1986
COUNTRY			
United States	710,178	701,346	712,381
United Kingdom	128,209	125,301	121,427
Africa	119,859	132,650	143,455
India	105,115	114,191	121,532
People's Republic of China	620,150	621,640	666,330

Congratulations! You have completed the ESDS International introductory worksheet for Beyond 20/20 WDS using Inte Energy Agency data. Now you are ready to further explore the functionality of the software for extracting, manipulating and visualising international data. If you have any queries or feedback, please contact us on international@esds.ac.uk

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