Accessing IEA products and services

.Stat Suite

The IEA offers an integrated platform for data dissemination, with access based on www.iea.org account. All users can access using with the e-mail address on their IEA account. We have migrated from our previous tool (WDS and Beyond2020) to use the .Stat Suite platform, and specifically the .Stat Data Explorer.

Contents
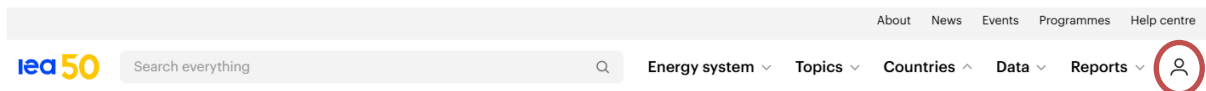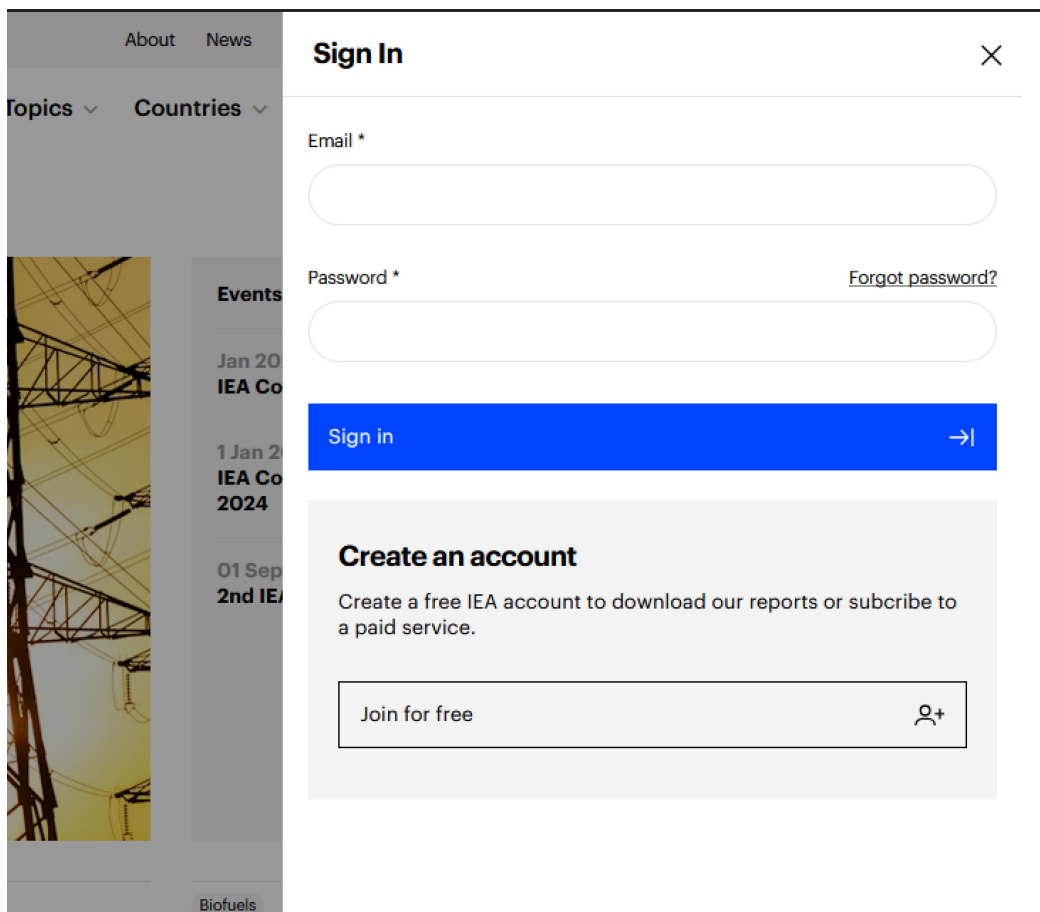
How to access data products

Login to iea.org

Log into your IEA account by clicking on the profile button on the top of the page:

This will open a side pane to login:

You will be able to login with your email and password.

If you are accessing from a location with data licenses provided via IP recognition, you will be able to connect using the yellow banner.

Please note that if you are subscribed to products under your account, signing in via IP recognition your licenses will not be available to you. However, if you are signed in with your account, any license available under IP recognition will be available to you as long as you are connected with that IP.

Accessing subscription data products through iea.org account

Once you have logged in you need to click on your profile button and go to Products to access the data of the products you are subscribed to.

This will show all products for which you have a licence.

Data subscription

Coal Information

Expires: 18 Oct 2025

Released 25 Jul 2024

Download ⊕ | View data sets | ...

Data subscription

Electricity Information

Expires: 18 Oct 2025

Released 22 Jul 2024

Download ⊕ | View data sets | ...
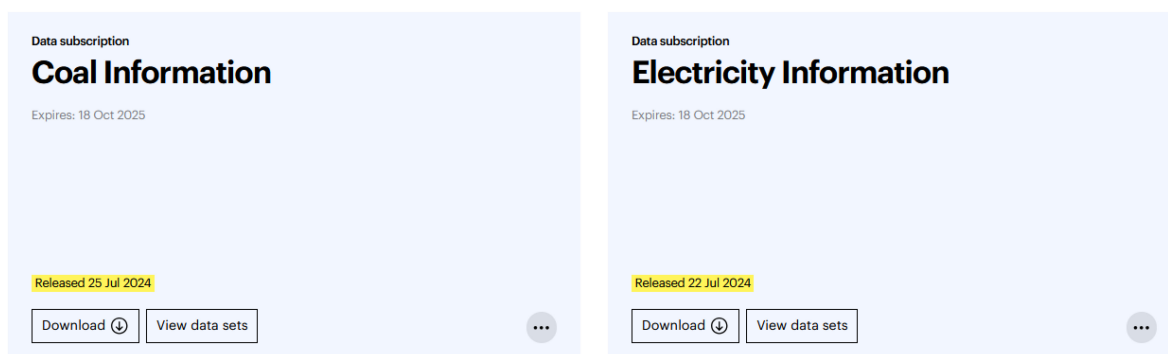
There are 2 ways to access the data:

1. Clicking the **Download** button (for datasets that have this enabled), will start a download of all files for the product in one zip file[1].
2. Clicking on **View data sets** a side pane will open, with all the datasets available for this product. This includes download links for each data set, in specific formats, and an access link to .Stat

Coal Information   ✕

Coal statistics, OECD and selected countries

File	Updated	Download	.Stat Suite
Coal statistics, OECD and selected countries	25/07/2024	IVT TXT	Access

Coal imports and exports, OECD and selected countries

| File	Updated	Download	.Stat Suite
Coal imports by origin, OECD and selected countries	25/07/2024	IVT TXT	Access
Coal exports by destination, OECD and selected countries	25/07/2024	IVT TXT	Access

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[1] This is controlled by each team responsible for the data product.

Accessing free data products, and subscription data products through IP recognition

Free data products are not available under Products in the profile menu, and IP recognition accounts don't have access to the profile options. In these cases, the downloads can be accessed directly from the product pages.
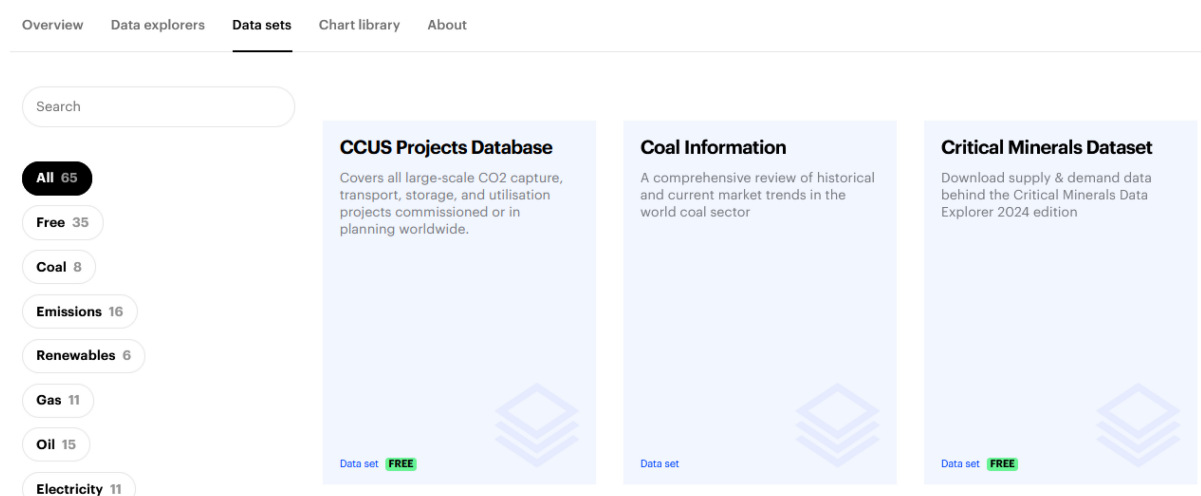
Navigate to the data sets by using the top menu:

Data > Data sets
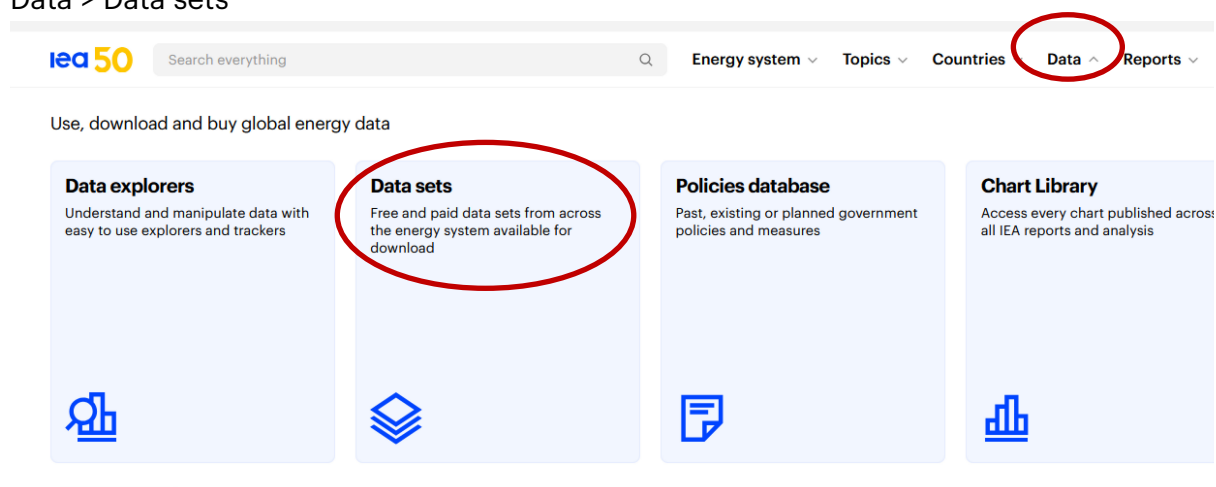
You will be able to browse and search the list of all IEA data products

Clicking on the desired product and scroll down to each dataset you will have the same options as if accessing through the Products pane, with the download links for each data set, in specific formats, and an access link to .Stat

Using .Stat Suite

When accessing .Stat through a link in the www.iea.org page, you will land in the overview page of the dataset you selected to view.

General layout and features

The page has 3 main areas:
- **Header:** This contains options to toggle accessibility functions of .Stat, login/logout[2], contact form and localization options[3].

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[2] Login is done through www.iea.org website, and a pop-up window will appear to login.
[3] Currently only in English

- **Filters**: Filters to be applied to the data visualization and some of the data extractions

- **Main data container**: This section is where the data will be displayed in table mode.
This is further divided into the top section which displays all current filters, a toolbar, and the display area.

The toolbar includes the following view modes:
  o **Overview:** Shows the main information about the dataset
  o **Table:** Shows the data table

We have set our tables to display a subset of the dataset, in a meaningful way. The platform allows you to change the filter and layout settings to customize the view to suit your needs.

Filtering data

There is a limit on the number of cells displayed on the table online, so we advise to use the filters to select the data. These are found on the left side of the page, with a section for each dimension available.

Time filters

For datasets with only one frequency, the Time filter section displays only the start and end period and the option to select the last N time periods:

The 'Last N time periods' option will determine the start and end time period, based on the data availability.

For datasets that combine multiple frequencies, a selection for the frequency is also present:

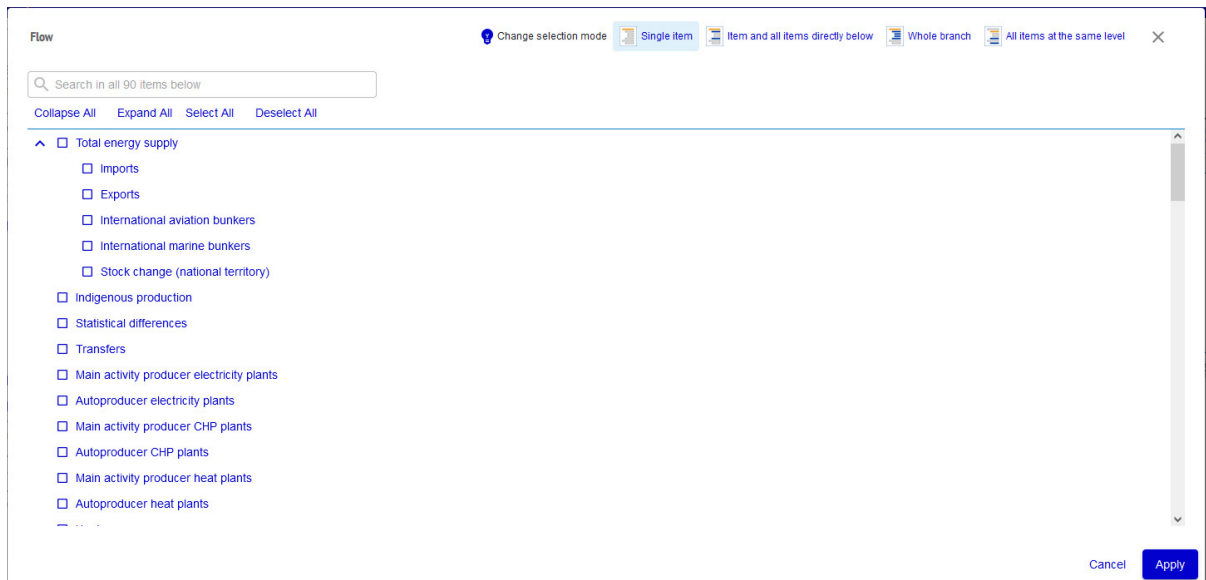Currently it is not possible to display multiple frequencies at the same time.

Advanced selection pop-up

Dimensions with large number of elements also have an extended selection mode:

In the pop-up pane you will be able to make all selections without constant reload of the table view. These will only be applied once clicking apply.

There are also several selection modes to control the way selection is applied:
- **Single item**: default mode, selects only one element
- **Item and all items directly below**: selects the element, and all direct children
- **Whole branch**: selects element, and all children
- **All items at the same level**: selects element, and all other elements at the same level of hierarchy (including different branches)

Keyboard shortcuts

There are also keyboard shortcuts that can be used in the filters and in the advanced selection pop-up to ease multiple selections.
- *Using the Shift key*:
  If you first press Shift and select an item of a list, then selecting another item while still holding Shift will result in selecting all intermediate items (between those 2 selections) of the list. The same principle will apply in de-selection mode. As long as the Shift key is held, the data table is not updated.
- *Using the Ctrl key*:
  If you first press Ctrl and select an item of a list, then selecting another item while still holding Ctrl will result in selecting this second item too. You can keep on selecting new items as long as Ctrl is held.
  As long as the Ctrl key is held, the data table is not updated.
  Remark: The combination of Ctrl and Shift keys is not possible.

- *Holding mouse click*:
  If you click on one item and hold the mouse button without releasing it, then moving the mouse cursor down/up to another item of the same list will select both items and all intermediate ones.
  As long as the mouse button is held, the data table is not updated.

Note that these keyboard selection options are not compatible with the web content accessibility support.

Customizing layout

When in table view, it is possible to customize the layout of the table. There are two main sections that affect the layout:

Labels controls how the table displays the different dimension values (this also applies to the filters and downloads):
- **Name**: the display name is shown
- **Identifier**: the unique IDs/short codes are shown
- **Both**: both are shown, in the pattern (ID) Name

Layout controls how each dimension is displayed on the table:

Dimensions with more than one element available/selected can be dragged and dropped to:

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- Move any dimension from one axis to another
- Move any dimension from one position to another in the same axis (moving its position up or down)

Dimensions can be positioned in:
- Columns
- Row sections
- Rows

However, the rows axis **cannot** be empty, otherwise the application cannot construct a data table grid. Thus, when there is only one dimension set to Rows, a **Forbidden** icon is displayed instead of the usual "hand" mouse icon.

The layout is only applied when clicking Apply Layout.

Reverse time period order

The default representation of the Time Period is:
- When Time Period is displayed in Column, it shows the oldest value on the left side, and the latest value on the right side
- When Time Period is displayed in Row or Row Section, it shows the oldest value on the top of the table, and the latest value on the bottom of the table.

It is possible to change that representation in order to display the time period in **reverse mode**, so that the latest value comes first in any layout option.

This option is managed by a selection box always embedded to the Time Period dimension in the "Layout" option:

Attributes display

Our datasets include some attributes tied to the data. These include units (and other related attributes) and qualifiers.

Generally, qualifiers are shown as a letter next to the value, with the exception of observation values (we hide this qualifier in the table view but will be present in the data download). Hovering on the letter will display the qualifier information:

Units we have chosen to combine them with one dimension for display:

Combined energy balance flow and unit
Indigenous production, TJ
International aviation bunkers, TJ
Electric boilers (Transformation), TJ
Mining and Quarrying (excluding energy products), TJ

Any other attribute will be shown with a large i circle ( ), similar to how metadata is shown.

There is a table layout option that allows displaying (non-hidden) observation-level attribute values in separate table cells next to the corresponding observation value cell (instead of how qualifiers and other attributes are shown).

Only if there are any non-hidden observation-level attributes that are not already included in the combined display (like units in most cases), then a checkbox is shown in the table "Layout" configuration titled "**Show values and related characteristics in separate table cells**".

This will change the layout to include these attributes in columns instead:

Values and related characteristics		Value	Qualifier
Combined energy balance flow and unit			
Imports, GWh		494 406.568	..
Exports, GWh		492 754.207	..
Total gross production, GWh		11 192 025.769	..
Power plant own use, GWh		458 778.020	..
Total net production, GWh		10 733 247.749	Imputed Value
Distribution losses, GWh		644 886.660	..
Energy industry own use, GWh		313 726.645	Imputed Value

Viewing metadata

Our datasets include metadata – this is still being harmonized and improved for .Stat.

Whenever a metadata record is available, a blue icon is shown:

The metadata records can apply to a table, an element in a dimension, or a specific record.

Clicking on the blue icon, a side pane will open and show every metadata record that applies to that level, including higher levels (i.e., metadata for an element of a dimension will also show the metadata for the table):

Metadata can be downloaded in csv format from this pane.

Downloading data

There is an option to **download** data in specific formats and content according to the current data view, and accessible from both table and overview views.

Data can be downloaded as:
- Filtered data:
    - In Excel format (only available in table view)
    - In CSV format
- Unfiltered data in CSV format

Filtered data corresponds to the data currently displayed/filtered.

The downloaded content is contextualised by applying the **Label** option as follow:
- If set to 'Identifier', then the data in the downloaded file is presented with the related SDMX artefact IDs.
- If set to 'Name' or 'then the data in the downloaded file is presented with the related SDMX artefact IDs and Names

In Excel format, as much as possible, the preview table's layout, styles, cell and text formatting, and attributes presented as flags and notes are maintained in the downloaded file and presented in its first and default sheet.

Data downloaded in `.csv` file format, is presented in a flat tabular text format. This format does not contain the preview table header or footer. The downloaded file includes the *SDMX* dataflow identification.

Information on downloading unfiltered data

Downloading the entire dataset unfiltered is subject to your browser and network limitations. We recommend tailoring your selection to reduce the size of the download file, by:
1. downloading the data filtered to your needs,
2. setting the labels to identifier to reduce the number of columns.

Alternatively, we recommend using the downloads available in the product page at www.iea.org.

Other downloads

Beyond the data downloads, under the same menu there might be link to other files of interest for the dataset. These will typically lead to documentation and mapping tables for .Stat, hosted in the product page at www.iea.org.

Final notes

This access is intended for internal use only and the data must **not** be disseminated. Please note that you should not give out the username and password to anyone else unless they are working directly with you.

All IEA data is subject to the following Terms and Conditions found on the IEA website at the following link: https://www.iea.org/terms.