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EEX Group DataSource File Cloud - User Guide

Market Data Services
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1. Changelog

Version	Description	Date	Author
001	Initial Draft	09.03.2026	Thomas Haupt/ Vincent Engel
002	Review	23.04.2026	Gabriel Pasquet

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2. Introduction

2.1 About this documentation

This guide offers a structured introduction to the EEX Group DataSource File Cloud, explaining its organization, user authentication process, and how to download data.

The EEX Group DataSource File Cloud uses consistent, machine-readable CSV files, structured in a viable data model and accessible via HTTP GET requests. While this guide outlines the general usage principles, more information is provided in additional excel files. These files are accessible on our EEX Group DataSource Hub.

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3. EEX Group DataSource File Cloud - Overview

The EEX Group DataSource File Cloud is designed to provide comprehensive End-of-Day access to EEX Market Data and Indices. You can find a detailed structure of the EEX Group DataSource File Cloud in the file EEX Group DataSource File Cloud - Structure File. If you have been a previous user of our EEX Group DataSource SFTP, you will find helpful mapping instructions in our mapping file EEX Group DataSource File Cloud - File Path Mapping. Both files are accessible on our EEX Group DataSource Hub.

The backend of the EEX Group DataSource File Cloud is directly connected to source systems. New data sets are made available at 10pm CE(S)T with a few exceptions like the Japanese Power markets. Details on the publication schedule are available in the EEX Group DataSource File Cloud - Structure File. The publication time will ensure that all End-of-Day processes and possible same day corrections are completed.

Access to the data is available via any Internet Browser, or you can request the data directly with HTTP GET requests (e.g. with the help of Windows Powershell). More details will be available under section 4.4 of this document.

3.1 General structure

Feature	Commodity	ContractType	Area/IndexClass	Date 1	Date 2
Reference Data				YYYY	MM
Settlement	AGRICULTURALS	Derivative	marketarea	YYYY	MM
	ENVIRONMENTALS	Derivative	marketarea	YYYY	MM
	FREIGHT	Derivative	marketarea	YYYY	MM
	GO	Derivative	marketarea	YYYY	MM
	NATGAS	Derivative	marketarea	YYYY	MM
	NATGAS	Spot	marketarea	YYYY	MM
	POWER	Derivative	marketarea	YYYY	MM
Statistics	AGRICULTURALS	Derivative	marketarea	YYYY	MM
	ENVIRONMENTALS	Derivative	marketarea	YYYY	MM
	FREIGHT	Derivative	marketarea	YYYY	MM
	GO	Derivative	marketarea	YYYY	MM
	NATGAS	Derivative	marketarea	YYYY	MM
	NATGAS	Spot	marketarea	YYYY	MM
	POWER	Derivative	marketarea	YYYY	MM
Index Class	AGRICULTURALS	Indexname		YYYY	
	ENVIRONMENTALS	Indexname		YYYY	
	HYDROGEN	Indexname		YYYY	
	NATGAS	Indexname		YYYY	
Result	ENVIRONMENTALS	Auction	marketarea	YYYY	MM
Revenue	ENVIRONMENTALS	Auction	marketarea	YYYY	MM

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3.2 CSV Templates and CSV Structure

All data is provided in CSV files. A detailed technical specification on the available files and the fields they contain is provided in the accompanying document EEX Group DataSource File Cloud - Structure File.

3.2.1 Template Reference 1

Template Reference 1 contains all Reference Data that is disseminated for the Derivatives (Futures and Options) as well as Environmentals and Spot products traded at EEX. Please note that the Instrument ISIN will not be published for Options due to the high number of strike prices available. For Options, you will find the Instrument ISIN for each strike in the Statistics and Settlement files.
The Instrument ISIN is not available for the Environmentals Spot contracts.

3.2.2 Template Reference 2

Template Reference 2 contains Reference Data that is disseminated for EEX Auctions.

3.2.3 Template Reference 3

Template Reference 3 contains Reference Data that is disseminated for the Gas Spot products traded at EEX.

3.2.4 Template Statistics 1

Template Statistics 1 provides Statistics Data on Futures and Environmental Spot. Statistics Data provide information on the open, high, low, last prices and trading volumes.

3.2.5 Template Statistics 2

Template Statistics 2 provides Statistics Data on Options. Statistics Data provide information on the open, high, low, last prices and trading volumes.

3.2.6 Template Statistics 3

Template Statistics 3 provides Statistics Data on Gas Spot Trades. Statistics Data provide information on the open, high, low, last prices and volumes. Please note that for Gas Spot only Day-Ahead contracts are considered and that there will be no data provided for Within-Day and other non-settled products.

3.2.7 Template Settlement 1

Template Settlement 1 provides Settlement Price Data on Futures and Environmental Spot contracts.

3.2.8 Template Settlement 2

Template Settlement 2 provides Settlement Price Data on Options contracts.

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3.2.9 Template Settlement 3

Template Settlement 3 provides the End-of-Day Index (Settlement Price) Data on Gas Spot contracts.

3.2.10 Template Index 1

Template Index 1 is used for the provision of Index Data.

3.2.11 Template Result 1

Template Result 1 is used for the provision of Environmentals Auction Result Data.

3.2.12 Template Revenue 1

Template Revenue 1 is used for the provision of Environmentals Auction country specific Revenue Data.

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3.3 Available fields per CSV template

A detailed technical specification on the available fields in every template is provided in the accompanying document EEX Group DataSource File Cloud - Structure File.

3.4 Technical constraints

To ensure consistent service quality, the EEX Group DataSource File Cloud applies to these technical constraints:

- A maximum of 250 downloads every 30min period per user is permitted. Requests exceeding this threshold will return the HTTP response “429 Too Many Requests: Rate limit exceeded”.
- No whitelisting is required as it is a web-based service.

3.5 Versioning

To ensure stability and compatibility, any breaking changes to the EEX Group DataSource File Cloud will be released in a new version. Breaking changes are modifications that could potentially disrupt existing integrations. You will be informed at least 60 days in advance about any changes. These changes may include:

- Change of functionality
- Change of fields
- Format changes

3.6 New content

The addition of new content as the consequence of adding new tradable products on the EEX trading platforms or new indices will not result in a new version unless structural changes are required for this new content.

3.7 Subscription & registration

3.7.1 Subscription

Users can subscribe through the EEX Group Webshop to access EEX’s comprehensive Market and Index Data. Subscriptions can be tailored to individual use cases and specific market areas, ensuring users receive the most relevant and up-to-date information for their needs.

3.7.2 Sign-up

The Sign-up to the EEX Group DataSource Hub can be done any time after you have received an e-mail confirming the order has been completed. Access to the purchased data will be provided within the next two business days after placing the order. If you sign up before, the creation of an Access Token is not possible. The screen below is accessible by clicking the link from the email or through the EEX Group DataSource Hub by selecting the “Login” button at the top right corner.

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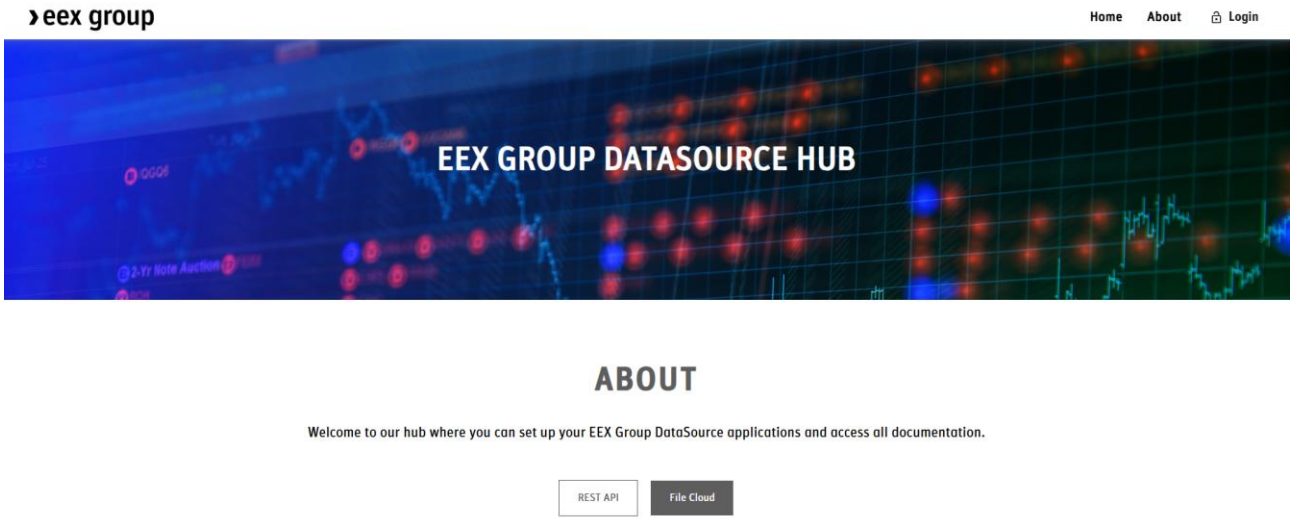
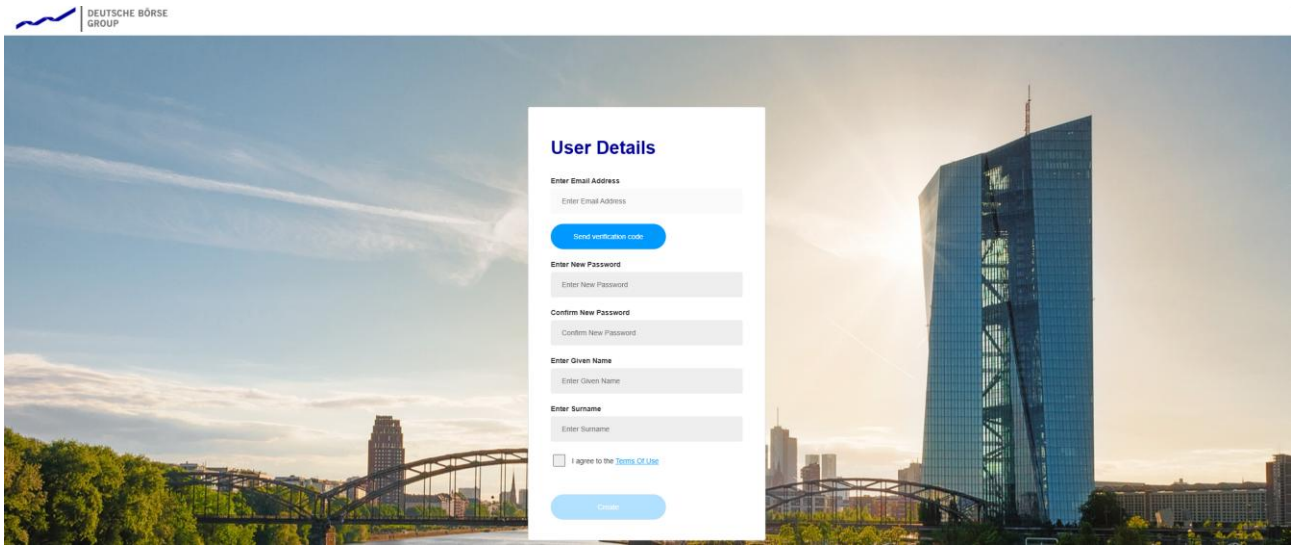
Figure 1: Landing Page EEX Group DataSource Hub



The process begins on the sign-up screen, where the user enters an email address and receives a verification code to confirm it. The code received via email must be verified here. The user must fill in the form and agree to the Terms of Use before clicking “Create”.

Figure 2: EEX Group DataSource Hub Sign-up instructions I



Next, the multi-factor choice will be made on this screen. The code will be sent using the desired choice when signing in.

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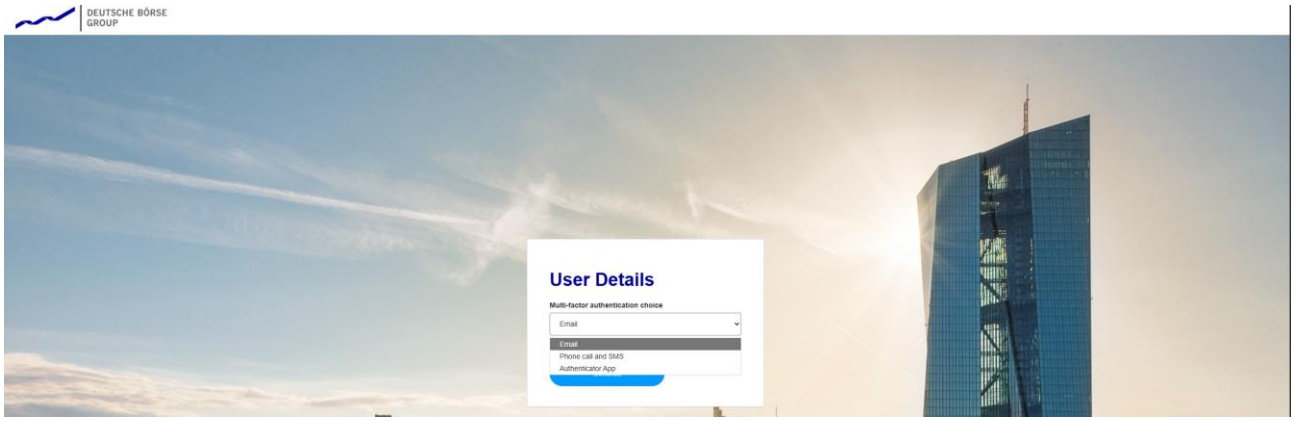
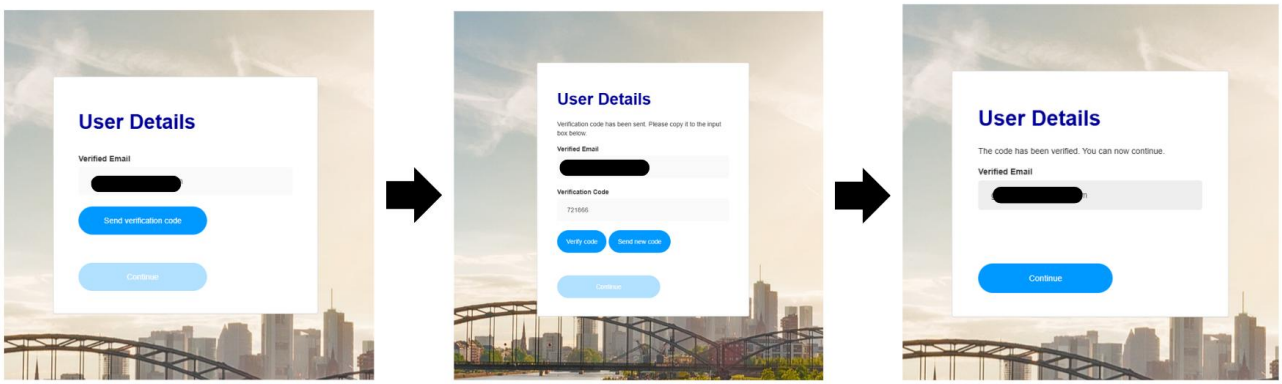
Figure 3: EEX Group DataSource Hub Sign-up instructions II



3.7.3 Sign-in

The Sign-in will ask for extra verification. The user will introduce his email and password and request the verification code to fulfill the multi-factor authentication. The code will be entered here and the Sign-in will be completed once the user clicks “Continue”.

Figure 4: EEX Group DataSource Hub Sign-In instructions



After a successful login, the user’s full name appears at the top right corner of the screen.

Figure 5: EEX Group DataSource Hub Login

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4. Authentication

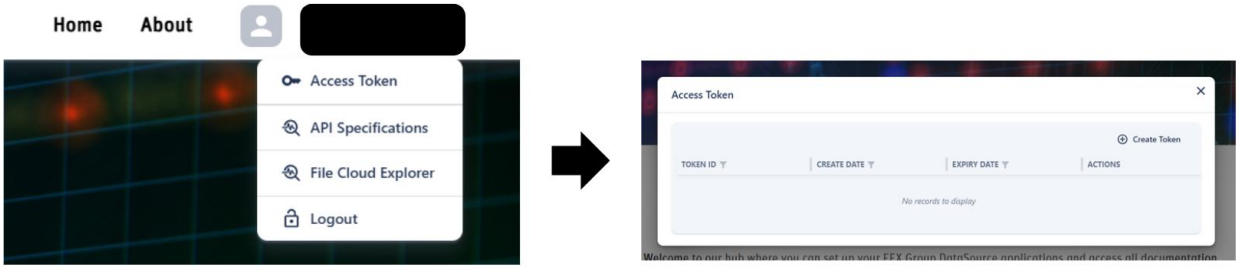
4.1 How authentication works

EEX Group uses Bearer Authentication to ensure secure access to the EEX Group DataSource File Cloud. This method involves using an Access Token, which serves as a unique credential for accessing the EEX Group DataSource File Cloud. The Access Token verifies the user's identity and grants access to the subscribed data. By including the Access Token in each HTTP GET request, the system can securely identify and authorize the user, ensuring that only those with valid an Access Token can access the data.

4.2 Generating an Access Token

1. **Login:** Navigate to the starting page of the EEX Group DataSource Hub, click on the “Login” button at the top right, and enter the credentials.
2. **Access Token menu:** After logging in, click on the name at the top right of the screen and navigate to the "Access Token" section.
3. **Generate an Access Token:** Click on "Create Token" to generate an Access Token. This Token will be displayed only once and should therefore be securely stored (e.g. in a password management tool). Users can have a maximum of four Access Tokens simultaneously.

Figure 6: Access Token creation



4.3 Access Token expiry & renewal

The Access Tokens are valid for one year from the date of creation. This expiration policy is in place to enhance security by ensuring that access credentials are regularly updated. Before the token expires, a new token should be generated to ensure uninterrupted access to the system.

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Responsibility for Access Token renewal

Users are responsible for renewing the Access Token before they expire. Regular renewal of the Access Token helps prevent unauthorized access and mitigates the risk of compromised Access Tokens being used maliciously. Users should monitor token expiration dates and generate a new Access Token as needed to avoid any disruption in service.

Please note that there is no explicit notification when a token expires. If the token is missing, invalid, or expired, the system responds with HTTP status code “401 (Unauthorized)” when using a HTTP GET request. If you use the web-based file explorer in the EEX Group DataSource Hub, you will simply not be able to download data.

The Access Token is not deleted automatically when it has expired. It must be manually removed in the EEX Group DataSource Hub.

4.4 Accessing the EEX Group DataSource File Cloud

4.4.1 Using custom applications

It is possible to connect directly to the EEX DataSource File Cloud using HTTP GET requests. This can be done via various tools such as, for example, Windows Powershell. It requires authentication via a token created within the EEX Group DataSource Hub (see 4.2). This token must be included in the request header using the bearer schema. Please see the examples below.

Example request using Windows Powershell:

We recommend adding “-UseBasicParsing” at the end to avoid any script code executions.

1. Specify the request and the filecloud URL. Also, add your Access Token to the header of the request for authentication.

   e.g.
   *Invoke-WebRequest -Uri “https://filecloud.eex-group.com” -Headers @{“Authorization” = “Bearer **123**”}*

2. Navigate the desired file path and identify the file name. Adjust the URL as needed.
   e.g.
   https://filecloud.eex-group.com/rd/2026/03/ReferenceDataDerivatives_20260302.csv.gz

3. Specify the output folder and file you want the data to be saved in.
   e.g.
   OutFile “C:\User\...\Downloads\ReferenceDataDerivatives_YYYYMM02.csv.gz

Full example request:

*Invoke-WebRequest -Uri “https://filecloud.eex-group.com/rd/2026/03/ReferenceDataDerivatives_20260302.csv.gz “ -Headers @{“Authorization” = “Bearer **123**”} -OutFile “C:\Users**...**\Downloads\ReferenceDataDerivatives_20260302.csv.gz” -UseBasicParsing*

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You can find more information on the file paths and names in section 3.3 as well as the following overview: EEX Group DataSource File Cloud - Structure File.

A bulk download functionality is available, and you can request complete year or month data with the HTTP GET requests.

Bulk download example request:

*Invoke-WebRequest -Uri "https://filecloud.eex-group.com/rd/2026?download" -Headers @{"Authorization" = "Bearer **123**"} -OutFile "C:\Users\...\Downloads\ rd2026.tar" -UseBasicParsing*

4.4.2 Using the EEX Group DataSource Hub

You can also access the EEX Group DataSource File Cloud using a file explorer on the EEX Group DataSource Hub:

1. Open the EEX Group DataSource Hub and log in using the credentials as outlined in section 3.7.2.
2. Make sure you have an active Access Token, which will automatically enable you to use the explorer based on your subscriptions.
3. Click on your name at the top right of the screen and navigate to the "File Cloud Explorer" section.
4. Use the explorer to navigate the EEX Group DataSource File Cloud and download individual files. A basic bulk download is possible by simply clicking the small arrow on the top right. Please note that while you are able to see all available files in the file explorer, you are only able to download the files you are entitled for.

Figure 7: EEX Group DataSource Hub - File Cloud

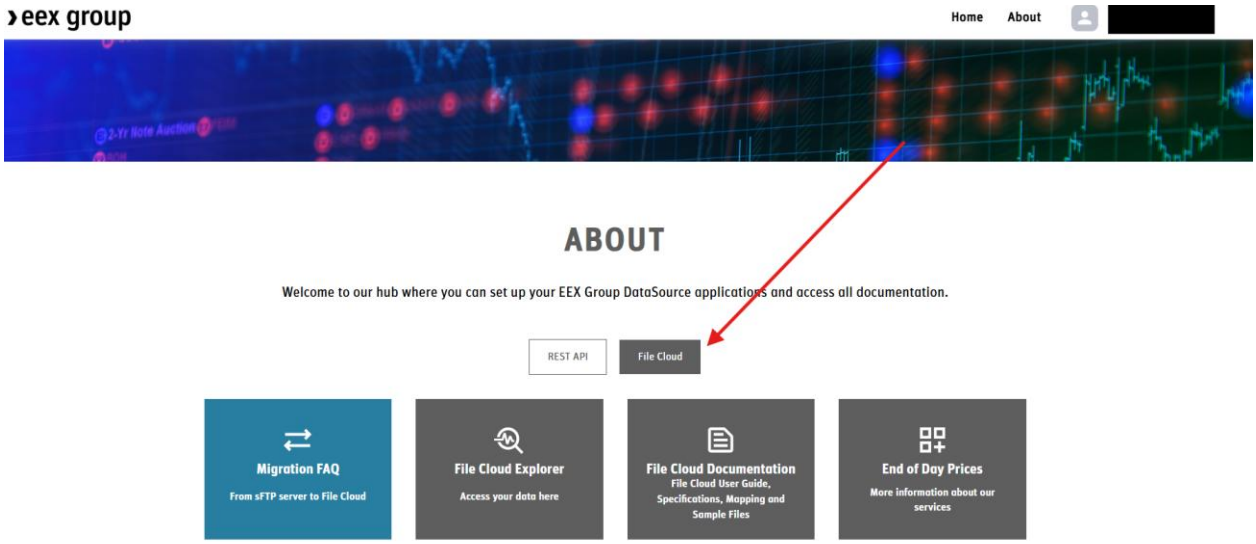

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Figure 8: EEX Group DataSource File Cloud Explorer

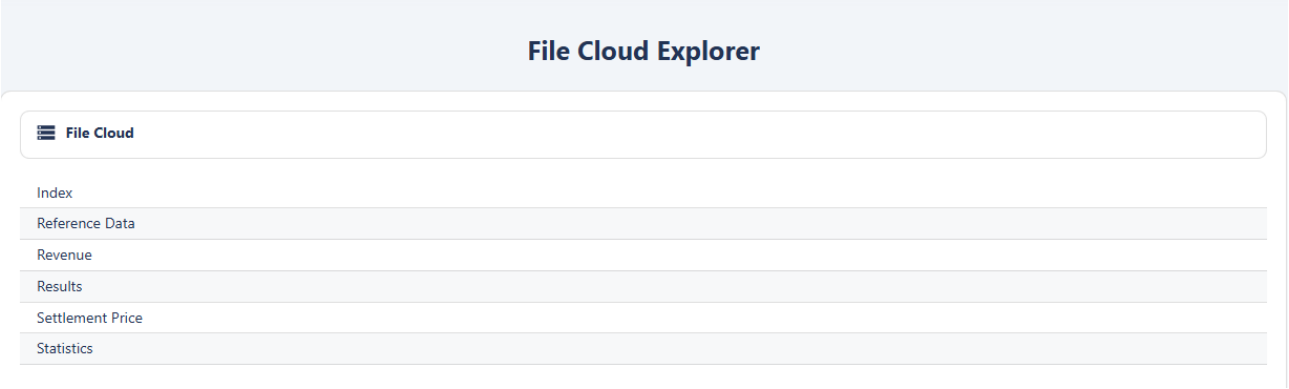

Figure 9: EEX Group DataSource File Cloud - Bulk download

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5. Good to know

5.1 What are .gz and .tar compressions?

A .gz file is a compressed archive created using the standard GNU zip (gzip) compression algorithm. This process reduces the file size, which makes it faster to send it over the internet and saves storage space.

If a bulk download is used, you will receive a .tar file. A .tar file is an archive that consists of multiple files put into one, while GZ is a compressed file format.

For optimal performance and compatibility, the use of specialized third-party software is the recommended best practice. Applications such as 7-Zip and WinRAR are powerful, well-established tools for managing a broad spectrum of compressed file types. They offer seamless integration with the Windows user interface, typically adding commands to the right-click context menu. Users can then extract the archive's contents by simply right-clicking the file and selecting an option like "Extract Here" or "Extract to [folder name]".

Due to its unreliability and potential for malfunctions, we advise against using Windows' native decompression feature.

On macOS and Linux, you can often use the command line; for example, typing *gunzip filename.gz* will extract the .gz file while *.tar -xvf file.tar* will unpack a .tar file. MacOS's built-in Archive Utility also allows you to decompress a .gz and .tar files by simply double-clicking them.

5.2 Agricultural Futures Units

Unit and contract volume for Agricultural Futures are displayed incorrectly.

ShortCode	EEX Contract Specifications (Unit / Contract Volume)	EEX File Cloud (Unit / Contract Volume)
FABT	Tonnes / 5	KG / 5
FALM	Tonnes / 25	KG / 250
FASM	Tonnes / 5	KG / 5
FAWH	Tonnes / 5	KG / 5

5.3 Day 32 / 33 / 34 Futures

EEX offers Day Futures for both Natural Gas and Power in multiple markets. To do so, EEX has set up 34 separate Day Futures ranging from Day 1 to Day 34 in each of these markets. The usage of Day 1 to Day 28 Futures is straightforward, with the number of the Future corresponding with the delivery day. However, there are multiple things to consider when approaching the end of the month. Please find below an explanation of how Day Futures are used at the end of the month and in which cases Day Futures 32, 33 and 34 become relevant.

Example: EEX German Power Base Day Future (DB01 - DB34)

Scenario 1: the last day of the month is an EEX / ECC business day, e.g. 31 July 2025 (Thursday):

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- The number of the Future corresponds with the delivery day → DB31 July 2025 for delivery day 31 July 2025

DeliveryDate	DayOfWeek	German Power Base Day Future	ExpiryDate	Maturity
2025-07-29	Tuesday	DB29	2025-07-29	202507
2025-07-30	Wednesday	DB30	2025-07-30	202507
2025-07-31	Thursday	DB31	2025-07-31	202507

Scenario 2: the last one or two days of the month are not EEX / ECC business days, e.g. 30 August 2025 and 31 August 2025 (Saturday and Sunday):

- Because 30 and 31 August 2025 are Saturday and Sunday respectively, the corresponding Day Futures will only be settled on Monday, 1 September 2025.
- This means that their expiry date is September 1st, resulting in both Futures having maturity 202509 even though they are delivered in August.
- However, there is already a Day 30 Future in place for maturity September that references 30 September 2025.
- Thus, DB32 with maturity 202509 is used for 30 August 2025 instead (and DB33 for 31 August 2025).

DeliveryDate	DayOfWeek	German Power Base Day Future	ExpiryDate	Maturity
2025-08-29	Friday	DB29	2025-08-29	202508
2025-08-30	Saturday	DB32	2025-09-01	202509
2025-08-31	Sunday	DB33	2025-09-01	202509

Scenario 3: the last three days of the month are not EEX / ECC business days, e.g. 29 March 2024 – 31 March 2024 (Good Friday, Saturday and Sunday):

- This works the same as in scenario 2, with the only difference being that there is one more additional day affected due to the holiday.

DeliveryDate	DayOfWeek	German Power Base Day Future	ExpiryDate	Maturity
2024-03-28	Thursday	DB28	2024-03-28	202403
2024-03-29	Good Friday (Public holiday)	DB32	2024-04-02*	202404

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2024-03-30	Saturday	DB33	2024-04-02*	202404
2024-03-31	Sunday	DB34	2024-04-02*	202404

**Please note that in this case the Future expired on 2 April 2024 instead of 1 April 2024 because 1 April 2024, was also a public holiday (Easter Monday).*

Please also note that there is currently no scenario in which more than three additional Day Futures are needed.

5.4 Unit of Volumes for Japanese Power Futures

The data field *UOM* shows MWh for Japanese Power Futures. This is not inherently wrong, as the field *ContractVol* shows the amount of MWh in a traded lot size. However, the price given under the data field *Px* is displayed in Y/kWh and not in Y/MWh.

5.5 Environmentals Spot

The Environmentals Spot contract is set up within the T7 Trading system and works in a technical sense like a derivatives contract with a single maturity. This is the reason why you will find the Environmentals Spot data under the derivative section within the Environmentals structure.

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6. Historical Data

The EEX Group DataSource File Cloud provides access to data starting from 1 November 2020.

6.1 Derivatives

Derivatives data is available from November 2020.

6.1.1 Displaying of Settlement Prices in historical data

Before 2025, not every instrument was assigned with a Settlement Price.

In some cases, instruments without an assigned Settlement Price might be displayed with a placeholder value of 0.01.

For options, however, 0.01 does represent a valid Settlement Price and should therefore not automatically be interpreted as a placeholder.

6.2 Gas Spot

Gas Spot data is available from November 2020. Please note that some market areas have been merged or discontinued over time. For details, refer to the following descriptions provided:

- The separate German market areas of Gaspool (GPL) and NetConnect Germany (NCG) were merged to Trading Hub Europe (THE) as of 1 October 2021. For Gas Spot, the GPL and NCG symbols were discontinued and all tradable products are provided under the new market area code THE from the merge-date on.
- The Belgian market area of ZEE was discontinued as of 1 October 2023.

6.3 Auctions

Auctions Data is available from November 2020.

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6.4 Indices

Index Data is available from November 2020. Please note that some indices are available at a later stage. For details, refer to the descriptions provided below:

Index	Available from	Available until
EEX Environmentals Index – Carbon Border Adjustment Mechanism Reference Price: CBAM	January 2024	Ongoing
EEX Environmentals Index – European Carbon Index: ECarbix	November 2020	Ongoing
EEX Natural Gas Index – European Gas Index: EGIX	November 2020	Ongoing
EEX Natural Gas Index – European Gas Spot Index: EGSI	January 2023	Ongoing
EEX Agriculturals Indices	January 2021	Ongoing
EEX Environmentals Index – Global Carbon Index: GCI	November 2018	Ongoing
EEX Environmentals Index – Hydrogen Index: HYDRIX	May 2023	Ongoing
EEX Natural Gas Index – Monthly Index	November 2020	Ongoing
EEX Natural Gas Index – Within-Day Reference Price: WDRP	February 2021	Ongoing

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7. Support & Contact

Contact:

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8. Useful links

- EEX DataSource Hub: https://eds.eex-group.com/
- EEX Webshop: https://webshop.eex-group.com/
- EEX DataSource Circulars: https://smc-lp.s4hana.ondemand.com/eu/p/smQWC
- EEX Glossary: https://www.eex.com/en/glossary
- EEX Settlement Price Procedure: https://www.eex.com/en/trading-resources/trading-information/trading-forms-and-documentation
- EEX Index: https://www.eex.com/en/market-data/indices-benchmark/indices
- EEX Benchmarks: https://www.eex.com/en/market-data/indices-benchmark/benchmark
- EEX Contract Specifications: https://www.eex.com/en/trading-resources/trading-information/rules-and-regulations#342

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