



AGGM

Austrian Gas Grid Management AG

2024 Manual

AGGM Data Monitor & API-Token

AGGM Platform



Data Publication

General information

- ▶ The [AGGM Data Map](#) provides a quick overview of the current situation in the Austrian gas market.
- ▶ The [AGGM Data Monitor](#) offers comprehensive and detailed data relating to the natural gas market in Austria, including H2 production data and storage information of neighboring countries.
- ▶ AGGM provides an API for the retrieval of Market Area Data (MA-Data) and Balance Group Data (BG-Data) (GMMO-VO 2020 §34 (2)).

[Market Data](#)

[One-Stop-Shop](#)

[AGGM Data Map](#)

[AGGM Data Monitor](#)










[Market Participants](#) ▶

[EI Codes](#)

Data Publication

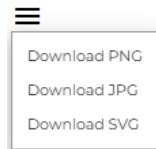
AGGM Data Map

- ▶ Period: the current hour is set per default
- ▶ Time series groups: Allocation, booked / nomination / renomination / technical capacity, physical flow

- ▶ Icons
 -  Entry & Exit
 -  Exit
 -  Entry
 -  Supply of Consumers
 -  Biomethan Production
 -  Production System Operator
 -  Storage System Operator
 -  Virtual Trading Point
 -  Hydrogenproduction

- ▶ The names of the storage and production operators are the respective company names

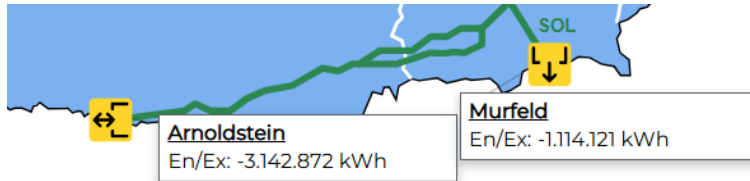
- ▶ Download options in different file formats



Data Publication

Physical Flow

- Physical flows consistently in both directions - entry and exit on the same time series. Minus values are exits from the market area and plus values are entries into the market area.



Data Publication

AGGM Data Monitor

The screenshot shows the AGGM Data Monitor interface. A central message reads "No Filters Set" with a sub-message: "You have not selected any time series yet! Please provide at least one time series and a date range." To the right, a "Filters" panel is open, containing several sections:

- Granularity:** A row of buttons for "Hours", "Days", "Months", and "Years".
- Date range:** A dropdown menu for "Range type" set to "Custom range".
- Start date:** A date input field with "05/12/2023" and a calendar icon, and a "Time" dropdown set to "06:00".
- End date:** A date input field with "06/03/2024" and a calendar icon, and a "Time" dropdown set to "06:00".
- Choose timeseries:** A text input field with the placeholder "Choose timeseries *".
- Filter timeseries:** A dropdown menu for "ArchiveFunction" set to "Current".
- Buttons:** "Apply" and "Reset" buttons at the bottom of the panel.

Numbered callouts (1-6) are placed over the interface:

- 1:** Points to the "Data Monitor" header.
- 2:** Points to the "Select favorite" button.
- 3:** Points to the "Range type" dropdown in the "Date range" section.
- 4:** Points to the "Choose timeseries *" input field.
- 5:** Points to the "ArchiveFunction" dropdown in the "Filter timeseries" section.
- 6:** Points to the "No Filters Set" message.

On the next slides you will find instructions on how to use the AGGM Data Monitor!

Data Publication




1

AGGM Data Monitor

- ▶ Choose between chart and table
- ▶ Table: The values can be exported as csv

Export all

Export selected (2)

- ▶ Diagram: line / bar 
- ▶ Possibility of enlargement 
- ▶ Zoom levels: depict the timeline as specified
- ▶ Download chart (PNG, JPG, SVG, PDF) 
 - Download PNG
 - Download JPG
 - Download SVG
 - Download PDF
- ▶ Detailed information via Mouse-over

Data Monitor

Chart



Zoom 1 D 1 W 1 M 6 M All

Data Publication

2 Granularity & 3 Date range

- ▶ Granularity
 - ▶ the original values apply in every single hour
 - ▶ Granularity: Hours, Days, Months, Years
 - ▶ For units with [/h], the average value per hour in the selected period is given.
 - ▶ For other units, the hourly values are totaled over the selected period.
- ▶ Date range
 - ▶ Standard: range type „custom range“, 3 months, basis gas day
 - ▶ Range type: dropdown opens with predefined time ranges (last, current, next time period/further).
 - ▶ When clicking on “Further”, a selection box with a large number of predefined time ranges opens
 - ▶ Individual input of start and end date

2

Granularity

Hours

Days

Months

Years

3

Date range

Range type

Current year

Start date

01/01/2024



End date

01/01/2025



Data Publication

4

Select time series

Choose timeseries *

This field is required.

- ▶ Without selecting a filter for one of the available groupings (see next slide), all time series are displayed and can be chosen.
- ▶ The field has a search function that can be used to search for time series names.
- ▶ Multiple time series can be selected. To close the drop down list, click outside the box.
- ▶ **Tip:** Using a filter to narrow down the results, simplifies the search for the desired data

Data Publication

5 Filter

Filter timeseries

ArchiveFunction
Current ▾

Balancing ▾

Capacities ▾

CapacityUtilization ▾

Consumption ▾

EntryExitPoint ▾

MarketArea ▾

- ▶ The ArchiveFunction filter is set to "Current" by default and displays only currently valid data. Expired data has the valid-to date added in the time series name and can be activated via the "Historical" box.
- ▶ When you click into one of the filters, the characteristics open up and can be selected to specify the data results.
- ▶ The time series to be selected in the drop down list change according to the selected filter.

Data Publication


5

Filter overall

ArchiveFunction	Balancing	Capacities	CapacityUtilization	Consumption	EntryExitPoint	MarketArea	Production	Storage
Current	Balancing Energy	AvailableFZK	Allocation	<300MW	Arnoldstein	East	Bio Production East	SEFE Storage
Historical	BG-Status	AvailableUK	Interruption	>300MW	Baumgarten	Tyrol	Bio Production Tyrol	OMV Gas Storage
	Linepack	Booked	Nominated	EndConsumer	BaumgartenGCA	Tyrol&Vorarlberg	Bio Production Vorarlberg	RAG Energy Storage
	Prices	Booked yearly	PhysicalFlow	MarketVolume	BaumgartenTAG	Vorarlberg	OMV Austria Exploration & Production	Storage Facilities Austria
	Clearing	BookedFZK	Renominated	PowerPlant	BaumgartenWAG	Austria	RAG Exploration & Production	Storage Facilities Czech Republic
		BookedUK	UK fulfillment	SLP	E/X TSO-DSO GCA		H2 Production East	Storage Facilities Germany
		Technical capacity			E/X TSO-DSO TAG		H2 Production Tyrol	Storage Facilities Hungary
		Technical capacity yearly			E/X TSO-DSO WAG		H2 Production Vorarlberg	Storage Facilities Italy
					Freilassing			Storage Facilities Slovakia
					Hoechst			Uniper Energy Storage
					Kieifersfelden			
					Laa			
					Lindau			
					Mosonmagyarovar			
					Murfeld			
					Oberkappel			
					Petrzalka			
					Ruggell			
					StorageMAB			
					StoragePentaWest			
					Ueberackern			
					UeberackernABC			
					UeberackernSudal			
					Virtual Trading Point			


Data Publication

5 Explanation Filter Archive Function

Archive Function 	
Current	Current time series
Historical	Historical time series; not applicable due to the last market model change in 2022

Data Publication

5 Explanation Filter Balancing

Balancing 	
Balancing Energy	Balancing Energy (BE) quantities purchase and sale per Market Area (MA)
BG-Status	All data on Balance Group (BG) status / not accessible in the public area
Linepack	Time series on linepack and utilisation (e.g. expected/utilised linepack, maximum/minimum linepack)
Prices	BE prices, Reference price virtual trading point (VTP), Withinday Obligation (WDO), neutrality charge
Clearing	The time series on „Clearing“ are only available for historical values (select „Historical“ in the ArchiveFunction filter). Balancing incentive mark-up account and number of balance groups charged with the balancing incentive mark-up.


Data Publication

5 Explanation Filter Capacities

Capacities	
AvailableFZK	Available freely allocable capacities
AvailableUK	Available interruptible capacities
Booked	Sold capacities
Booked yearly	Annual sold capacities
BookedFZK	Sold freely allocable capacities
BookedUK	Sold interruptible capacities
Technical capacity	Technical capacity (TC) - reduced capacities, e.g. due to maintenance work, are published here
Technical capacity yearly	Annual technical capacity (TKY)

Data Publication

5 Explanation Filter CapacityUtilization

CapacityUtilization 	
Allocation	A detailed explanation can be found here
Interruption	Difference of the actual and nominated quantity
Nominated	Quantity at Entry/Exit transmission system operator (TSO) or virtual trading point (VTP)
Renominated	Quantity correction of renomination cycles
PhysicalFlow	Actual measured physical flow
UK fulfillment	Degree of fulfillment of Interruptible capacities (UK) in percent

Data Publication

5 Explanation Filter Consumption

Consumption	
<300MW	Total of load profile-measured customers with a connected load of less than 300 MW
>300MW	Total of load profile-measured customers with connected load greater than 300 MW
EndConsumer	Data of the calculated end consumer (improved quality over time); allocations end consumer
MarketVolume	Allocations at all Entry/Exit without the virtual trading point (VTP)
PowerPlant	Gas-fuelled power plants
SLP	Total of end consumers with a standardised load profile

Data Publication

5 Explanation Filter EntryExitPoint

EntryExitPoint	
Arnoldstein	<ul style="list-style-type: none"> Technical Capacity En/Ex nominated in all possible qualities inc. Sums En/Ex renominated in all possible qualities inc. Sums Fulfillment of nominations Interruptions Available Capacities Booked Capacities En/Ex Allocations Physical Flow (En/Ex on the same time series) Gross Calorific Value Wobbe Yearly technical capacities Yearly booked capacities
Baumgarten	
BaumgartenCCA	
BaumgartenTAG	
BaumgartenWAG	
Ueberackern	
UeberackernABG	
UeberackernSudal	
Freilassing	
Hoechst	
Kiefersfelden	
Laa	
Lindau	
Mosonmagyarovar	
Murfeld	
Oberkappel	
Petrzalka	
Ruggell	
StorageMAB	
StoragePentaWest	Grid to 7Fields storage facility (Uniper & RAG)
E/X TSO-DSO GCA	Transfer point from transmission line (TL) to distribution area (DA) at the respective TSO
E/X TSO-DSO TAG	
E/X TSO-DSO WAG	
Virtual Trading Point	Allocations at virtual trading point (VTP)

Data Publication


5 Explanation Filter MarketArea

MarketArea
East
Tyrol
Tyrol&Vorarlberg
Vorarlberg
Austria



Data Publication

5 Explanation Filter Production

Production 	
Bio Production East	Time series of the biomethan production
Bio Production Tyrol	
Bio Production Vorarlberg	
OMV Austria Exploration & Production	Time series of the gas production facilities
RAG Exploration & Produktion	
H2 Production East	Time series of the hydrogen production
H2 Production Tyrol	
H2 Production Vorarlberg	

Data Publication

5

Explanation Filter Storage

Storage	
SEFE Storage	Time series of the Austrian gas storage facilities
OMV Gas Storage	
RAG Energy Storage	
Storage Facilities Austria	
Uniper Energy Storage	
Wiener Erdgasspeicher	
Storage Facilities Czech Republic	Time series of the gas storage facilities of AGSI for neighboring countries
Storage Facilities Germany	
Storage Facilities Hungary	
Storage Facilities Italy	
Storage Facilities Slovakia	

Data Publication

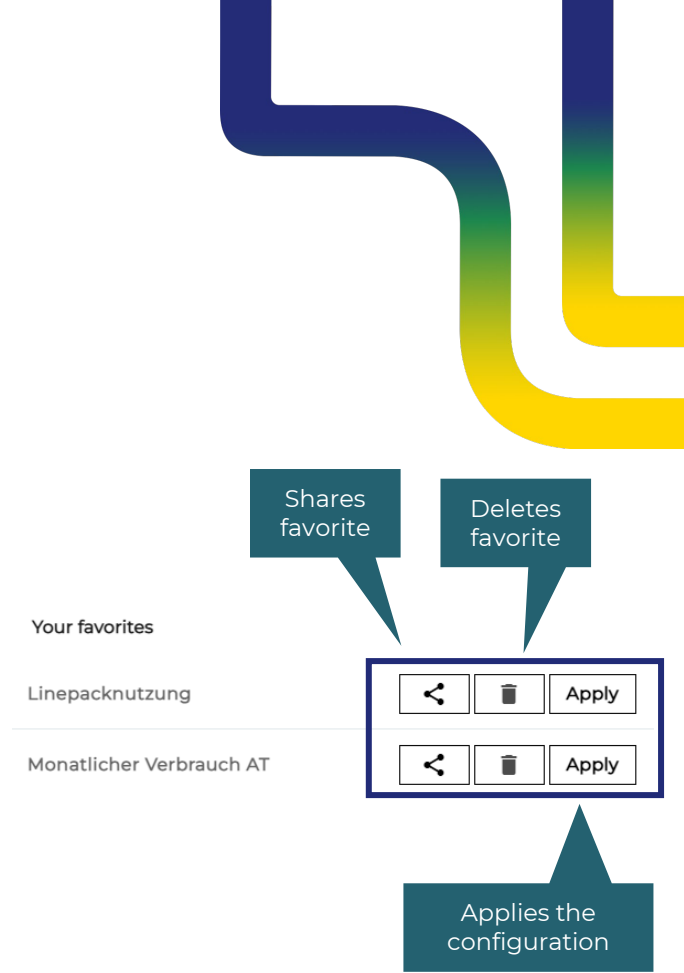
6

Favorites

- ▶ Favorites can be created, named and saved locally.



- ▶ Favorites can be shared
 - ▶ Select favorite opens the dialog box.
 - ▶ With the symbol “share” a link is generated, that is saved in the clipboard and can be shared.



Data Publication

6

Info-Box



- ▶ In the AGGM Data Monitor there is an info box with
 - ▶ Operating instructions for the data publication modules
 - ▶ List of abbreviations

Data Publication

AGGM Data Monitor AGGM-Account

- ▶ Public MA-Data and private BG-Data or supplier account data can be combined in the AGGM-Account when logged in.
- ▶ BG-Status: Filter BG Y-Code for BGRs.

Filter timeseries

ArchiveFunction
Current

BG-EIC-Y

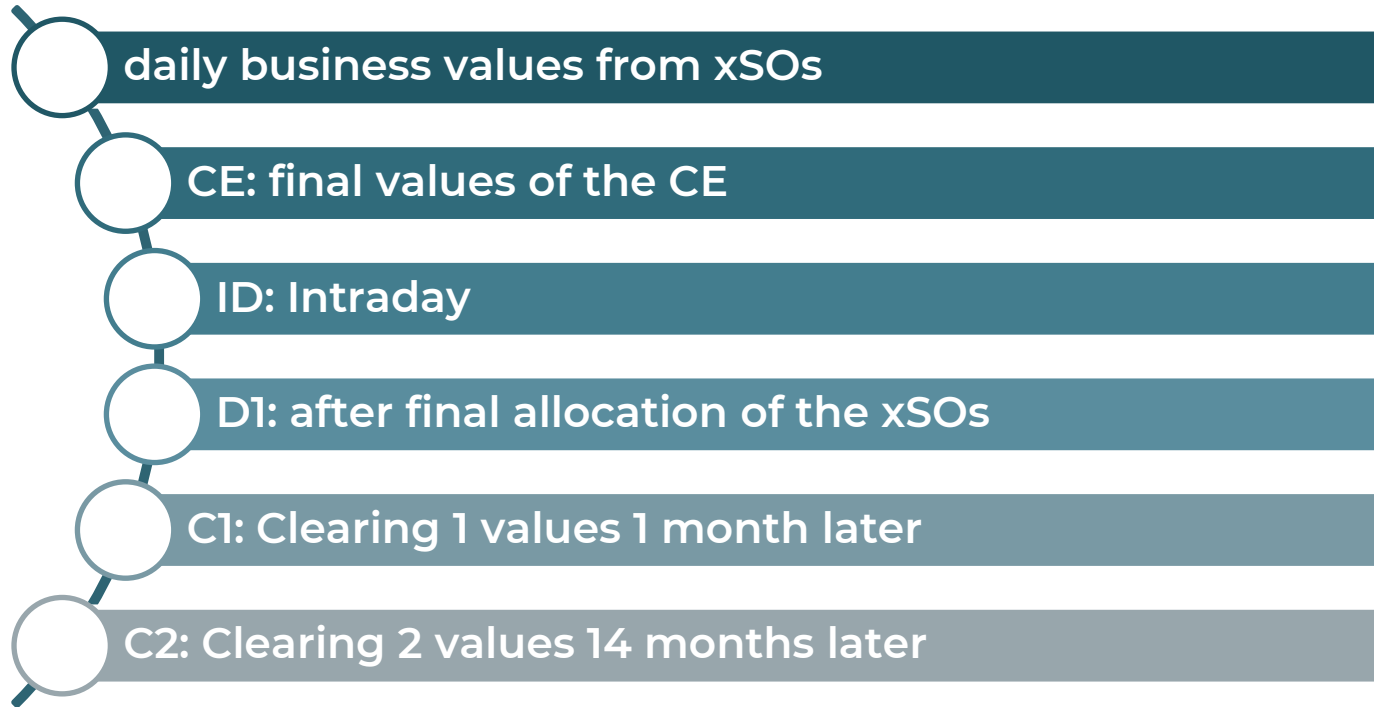
- ▶ Supplier Account Data: put the AT number in the search field or set the filter for the EI X-Code .

Supplier-EIC-X

25X-

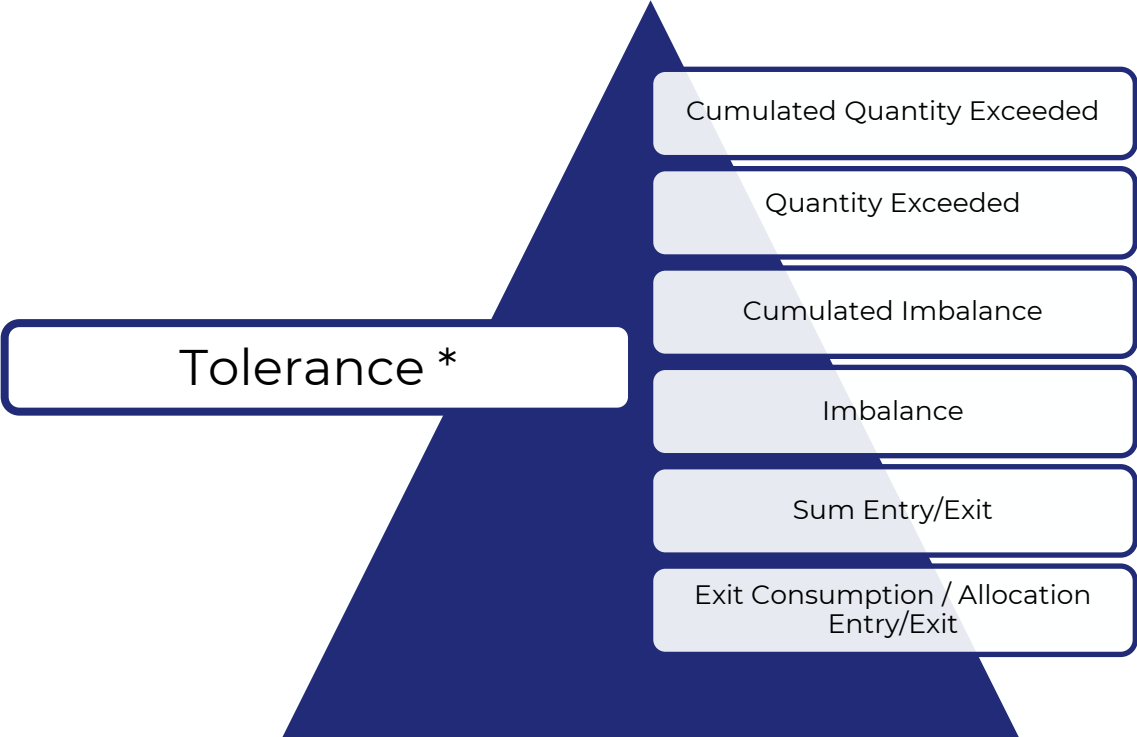
Data Publication

BG-Status Qualities



Data Publication

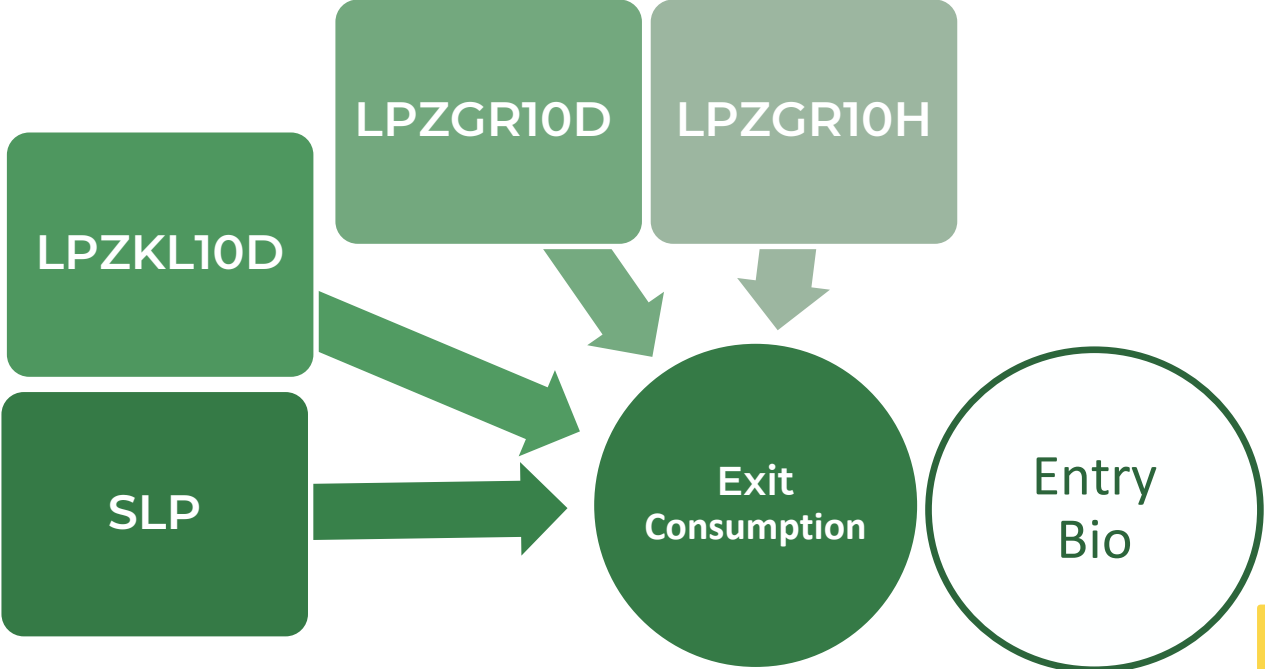
BG-Status time series



* For end consumer

Data Publication

BG-Status time series end consumer



BV – Best value principle

Data Publication

API-Token for MA data

- ▶ To retrieve the MA-Data automatically per XML-API, you can request an API-Token on the [AGGM platform](#) by completing an online form.
- ▶ After the activation of your email address, credentials will be sent to you as well as an instruction on how to use the interface.

API-Access data

Fields with * are mandatory.

For the retrieval of the MA data a token is required. Please complete the registration form and make sure that all information provided is correct. After activating the link sent to the provided email-address, the credentials and a document with the guideline are sent to you.

First name *	Last name *
Organization *	
Email *	Phone mobile
Phone office	Fax

I have read and agree to the information in the [Data Protection Policy](#).*

Submit

Data Publication

API credentials for private data

- ▶ When the credentials are requested from the AGGM-Account, the credentials are for a system email address.
- ▶ After that, the private data can also be retrieved in addition to the MA-data. The functionality of the API will be included in the activation email.
- ▶ This system-API-user can only be applied for and assigned once per organization.



Data Publication

Embed iFrames in external websites

- ▶ Graphs of the AGGM Data Monitor can also be integrated as iFrames on external websites
- ▶ Examples can be viewed on the AGGM website under [Transparency](#) and [security of supply](#)
- ▶ If you are interested in integrating them into your website, please contact us under mgm@aggm.at

Contact

**AGGM Austrian Gas
Grid Management AG**

Peak Vienna
Floridsdorfer Hauptstraße 1
1210 Wien, Österreich

Key Accounting

mgm@aggm.at



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