

Central European Gas Hub

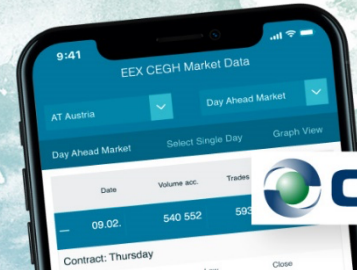


23rd CEGH Feedback Workshop

2 June 2022

**ALWAYS UP TO DATE
ON YOUR SMARTPHONE**

MORE INFORMATION AND
DOWNLOAD AT www.cegh.at/app



23rd CEGH Feedback Workshop



Virtual Meeting Guidelines

- Please mute your microphones and deactivate your cameras.
- We will have a Q&A session at the end of the presentation, please add your questions in the chat window.
- For questions during the presentation, please add them in the chat window, we will answer them at the Q&A session.
- The link to the download of the presentation will be sent in a Newsletter within the next days.

23rd CEGH Feedback Workshop



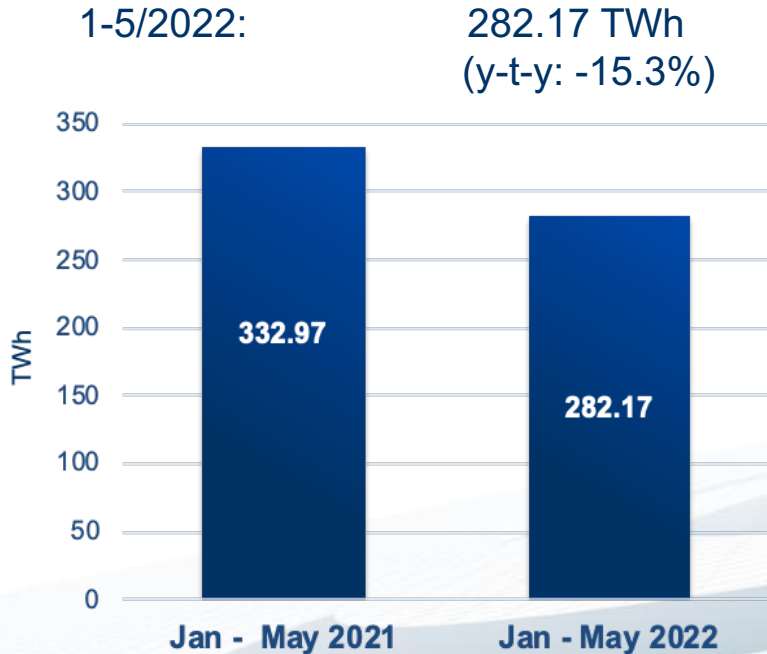
AGENDA

- **Welcome and Opening Words**
- Update on VTP Operations
- Latest Developments at EEX CEGH Gas Exchange
- CEGH Green Gas Platform
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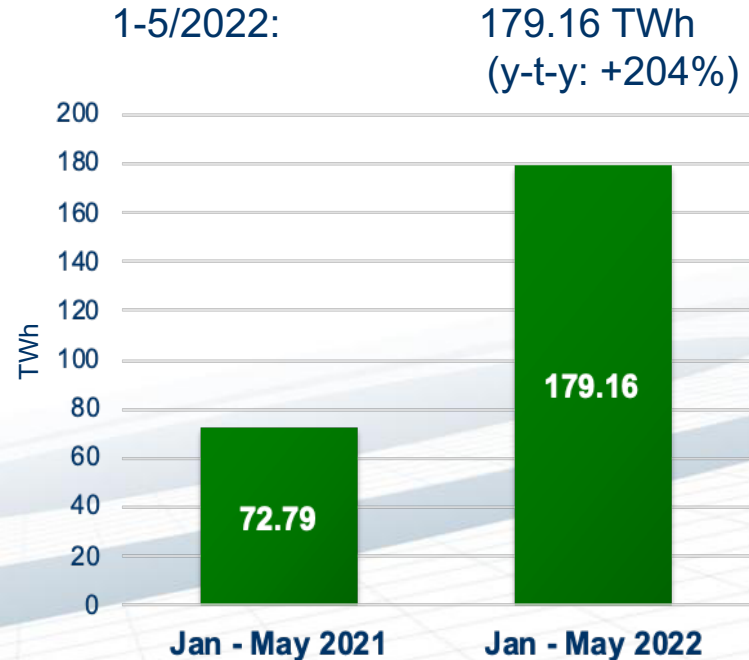
CEGH Volume Development 1-5/2022



CEGH VTP Market:



EEX CEGH Gas Market:



Past weeks: Extreme Price Hikes together with enormous unprecedented Volatility on the Gas Markets



EEX CEGH DA/WE Open-Low-High-Close Prices

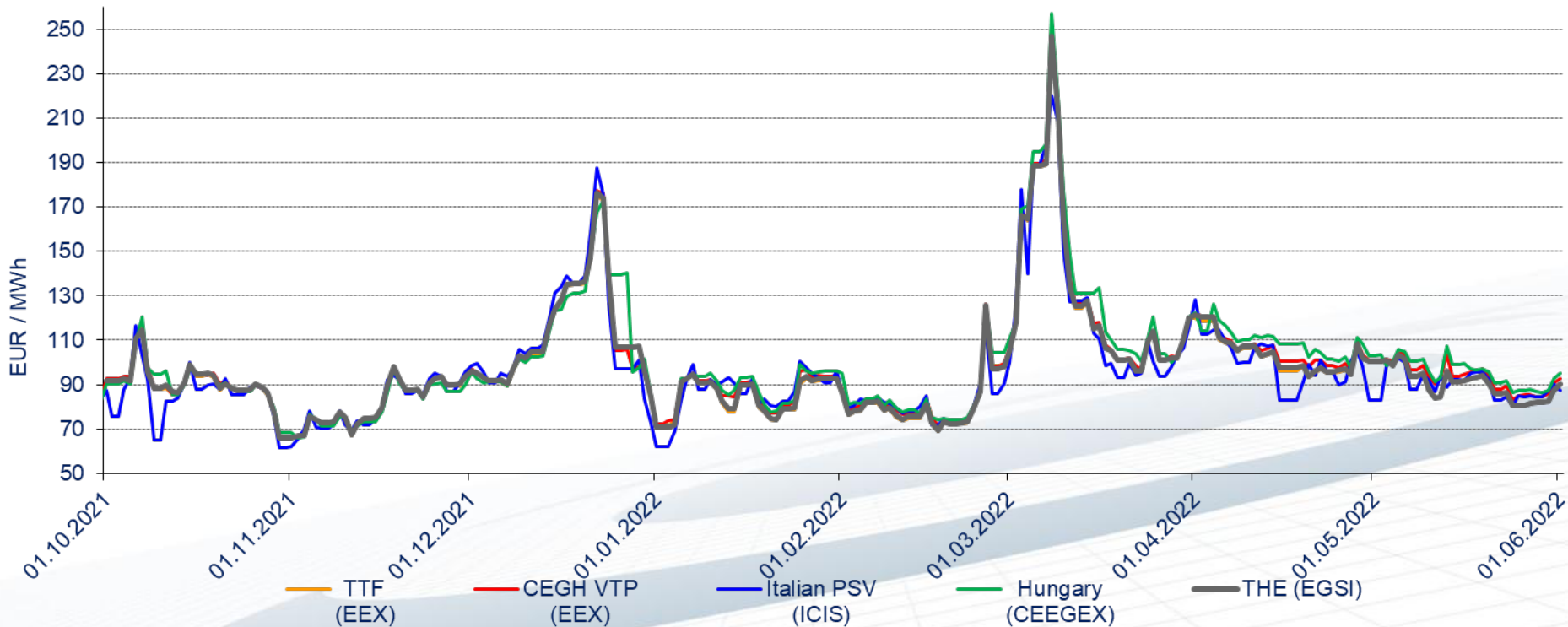


Price volatility between Regional Gas Markets

Price Spreads between markets widened to new record levels!



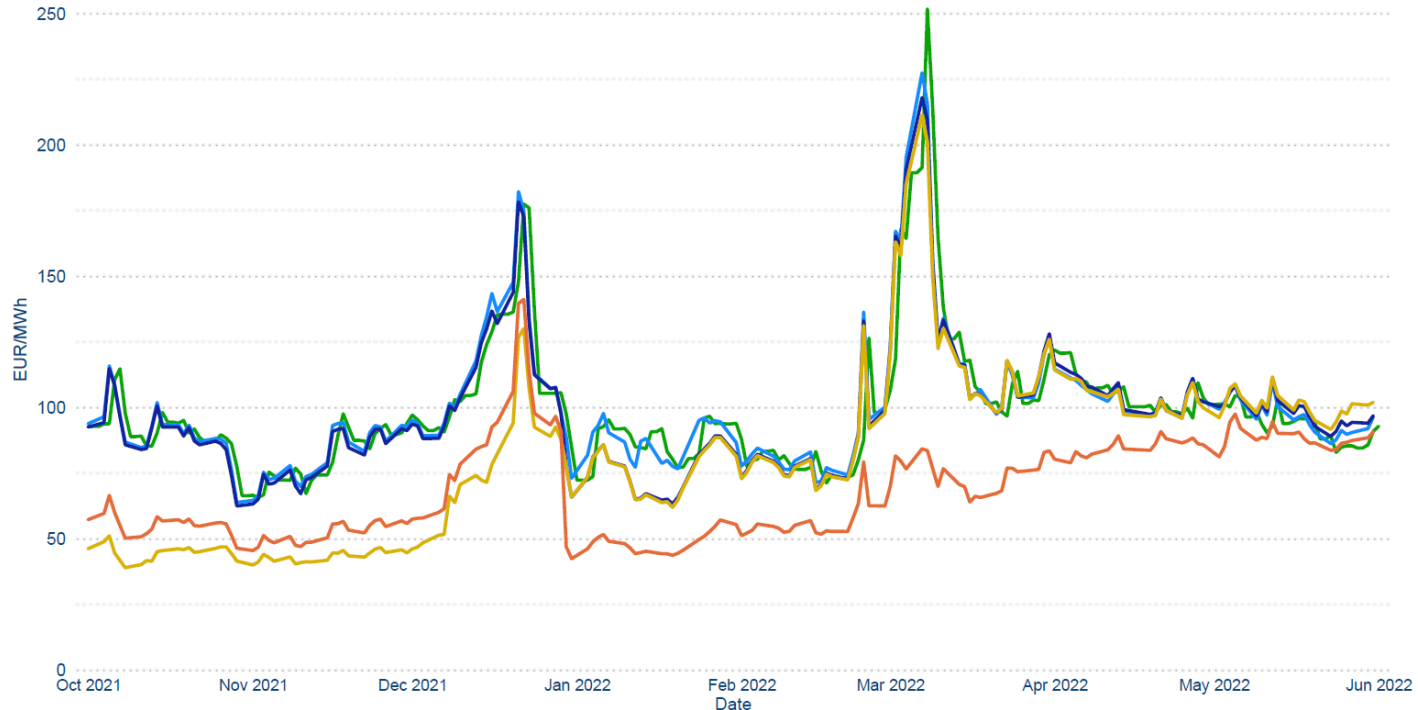
Daily Spot (DA/WE) Settlement Prices (EUR/MWh)



Enormous price increases in the past weeks: Day-Ahead and Futures Contracts sky-rocketed

EEX CEGH Futures Contract Prices by Publication Date and Spot Delivery Prices

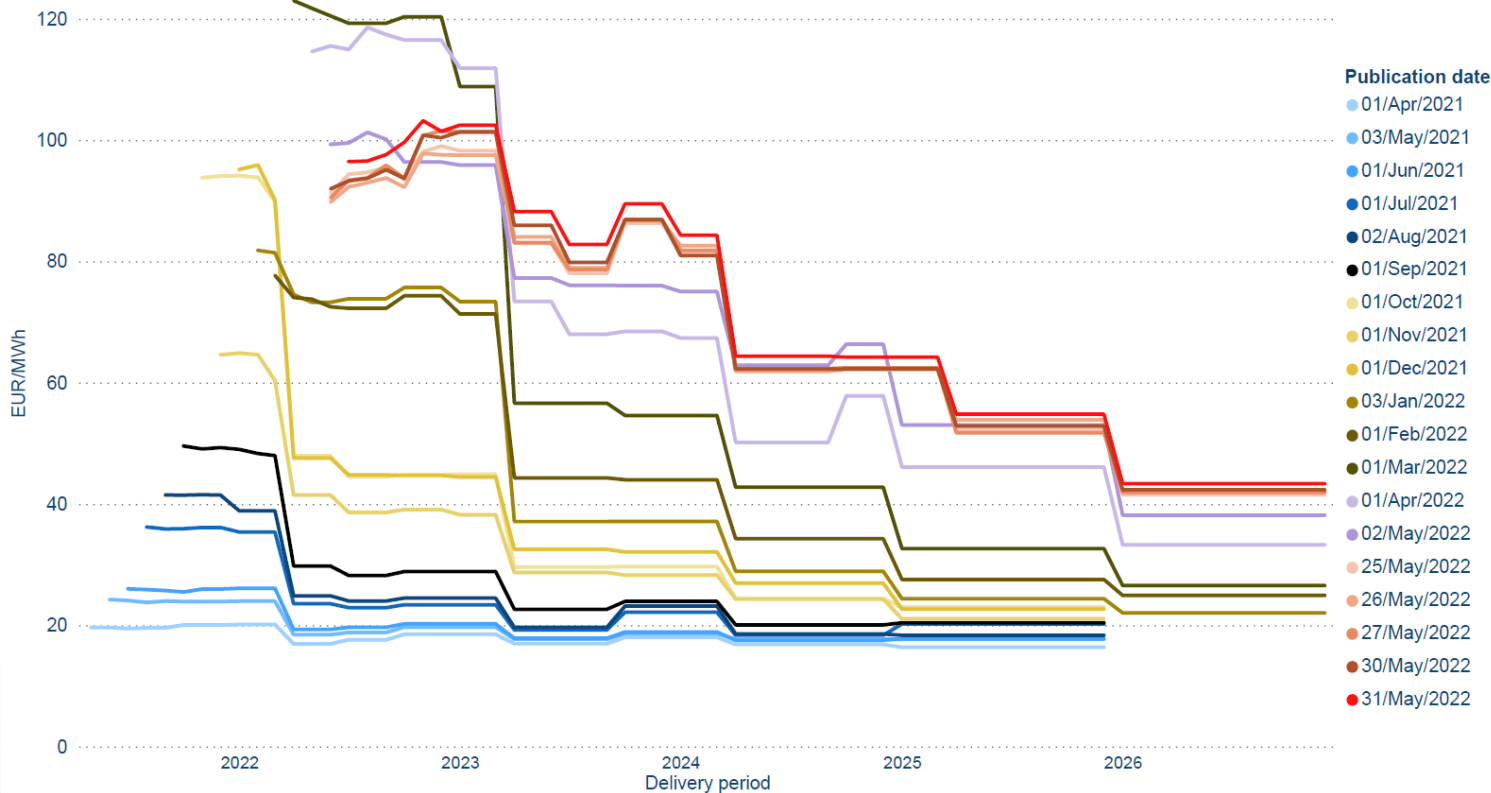
Maturity ● Day-ahead / Weekend ● Month +1 ● Quarter +1 ● Season +1 ● Calendar +1



Future Gas Price Expectations have increased significantly due to Supply Crunch Fears



EEX CEGH Futures Price Curve - On the 1st trading day of the month and last 5 trading days



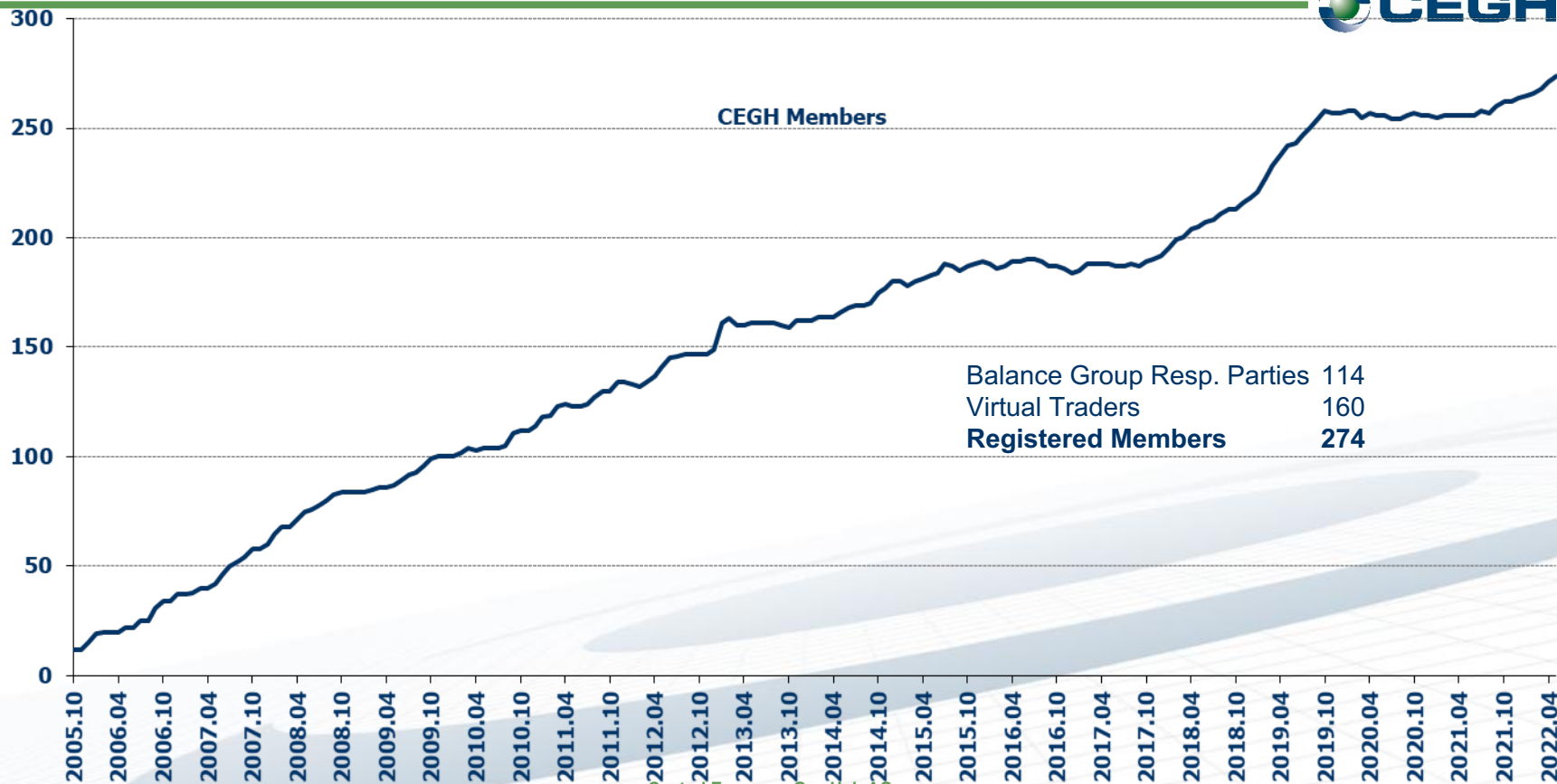
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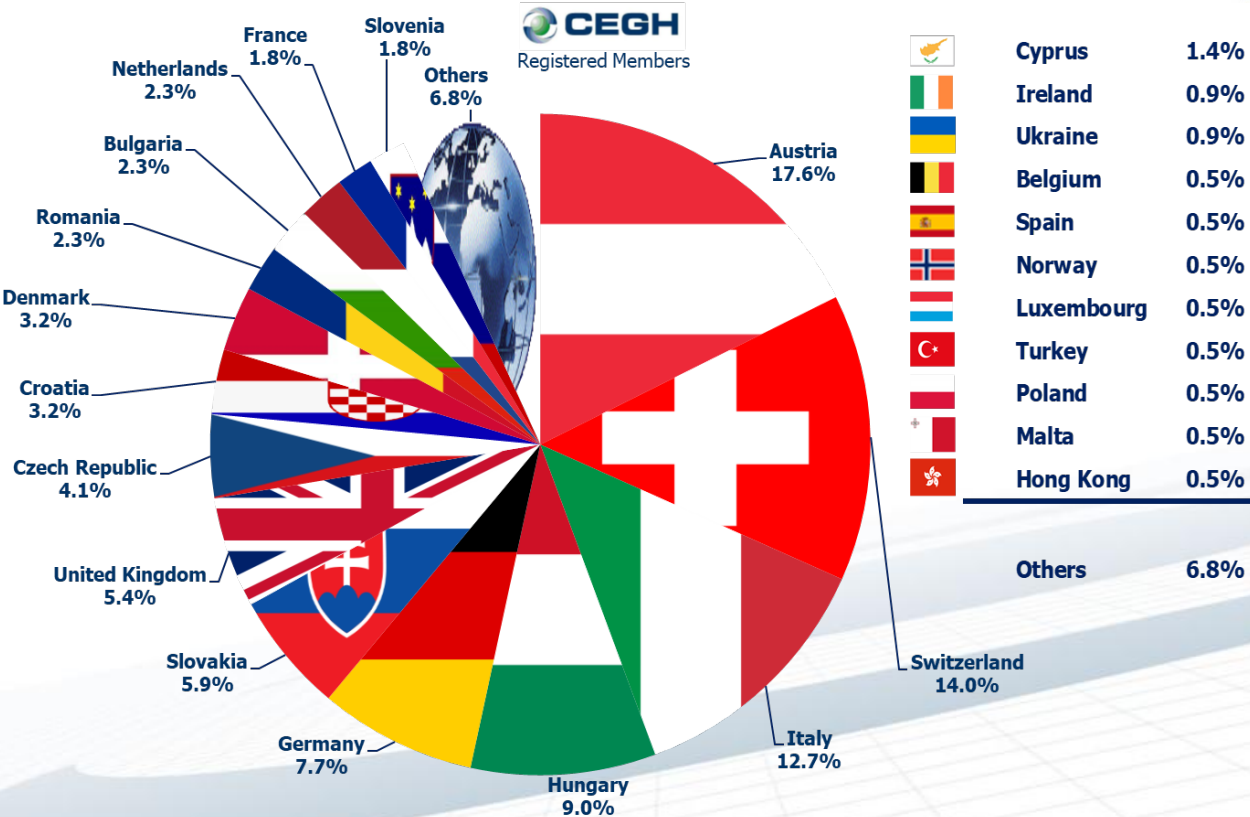
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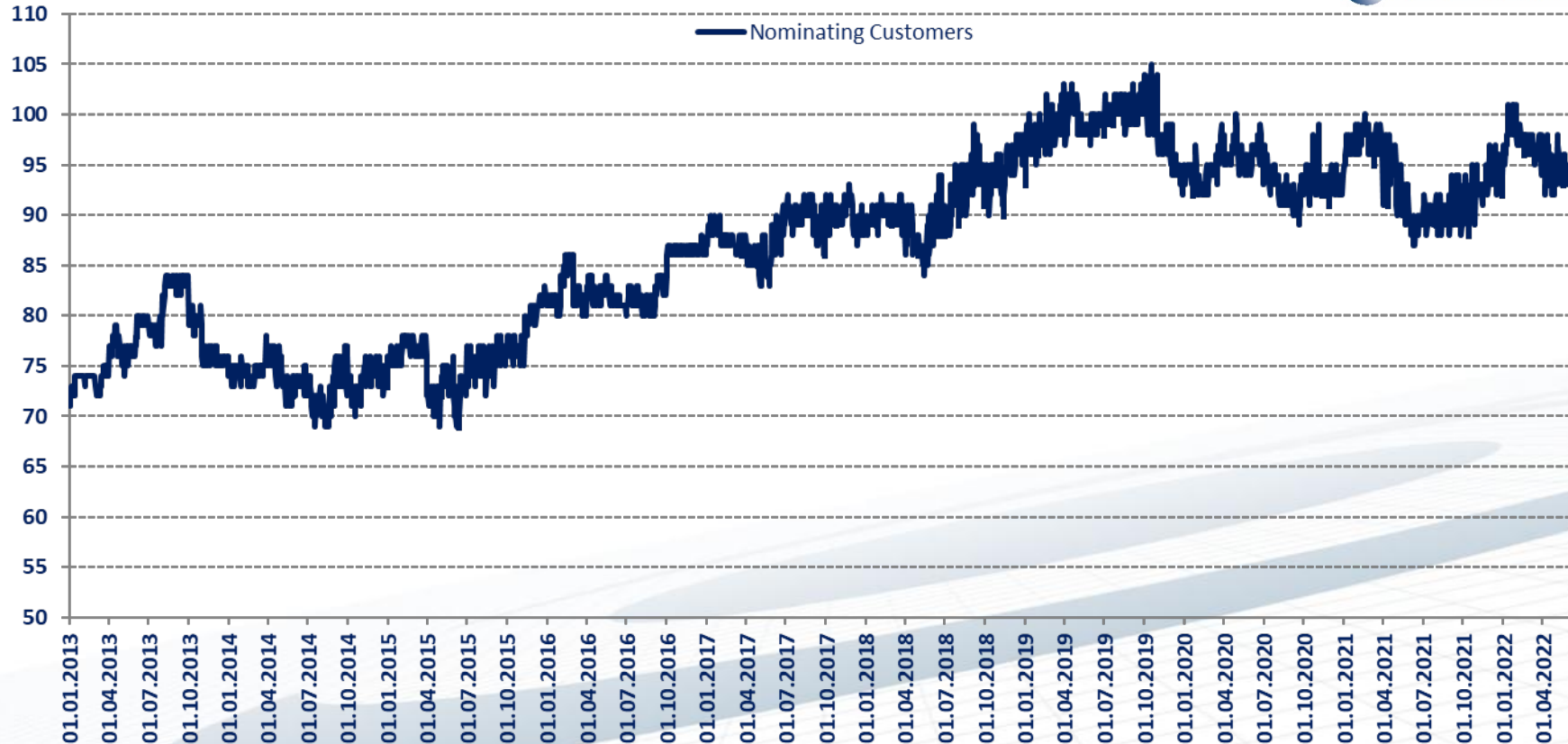
CEGH VTP: Number of Registered Members



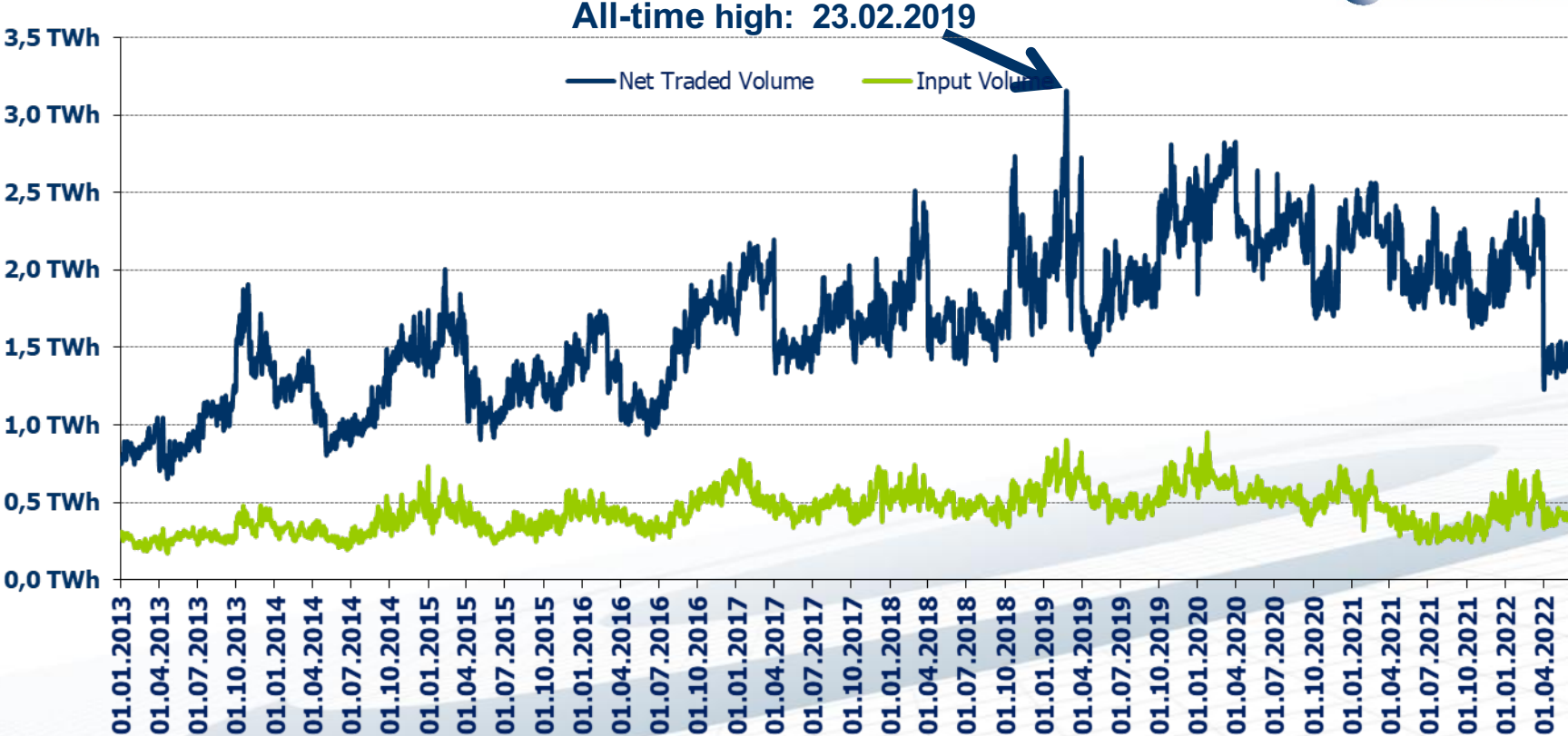
CEGH VTP: Diversity of Registered Members



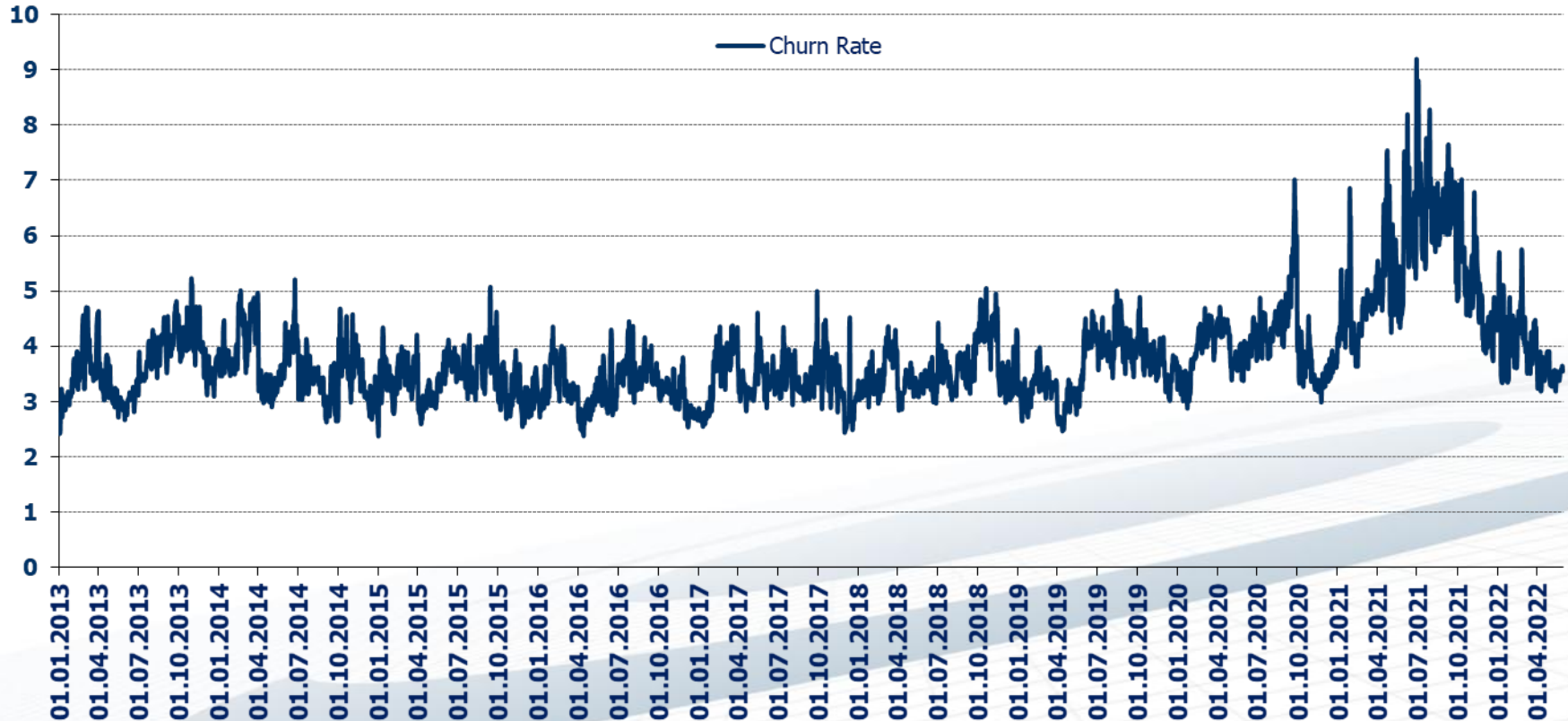
CEGH VTP: Nominating Customers on Daily Basis since January 2013



CEGH VTP: Daily Net Traded Volume since Jan 2013



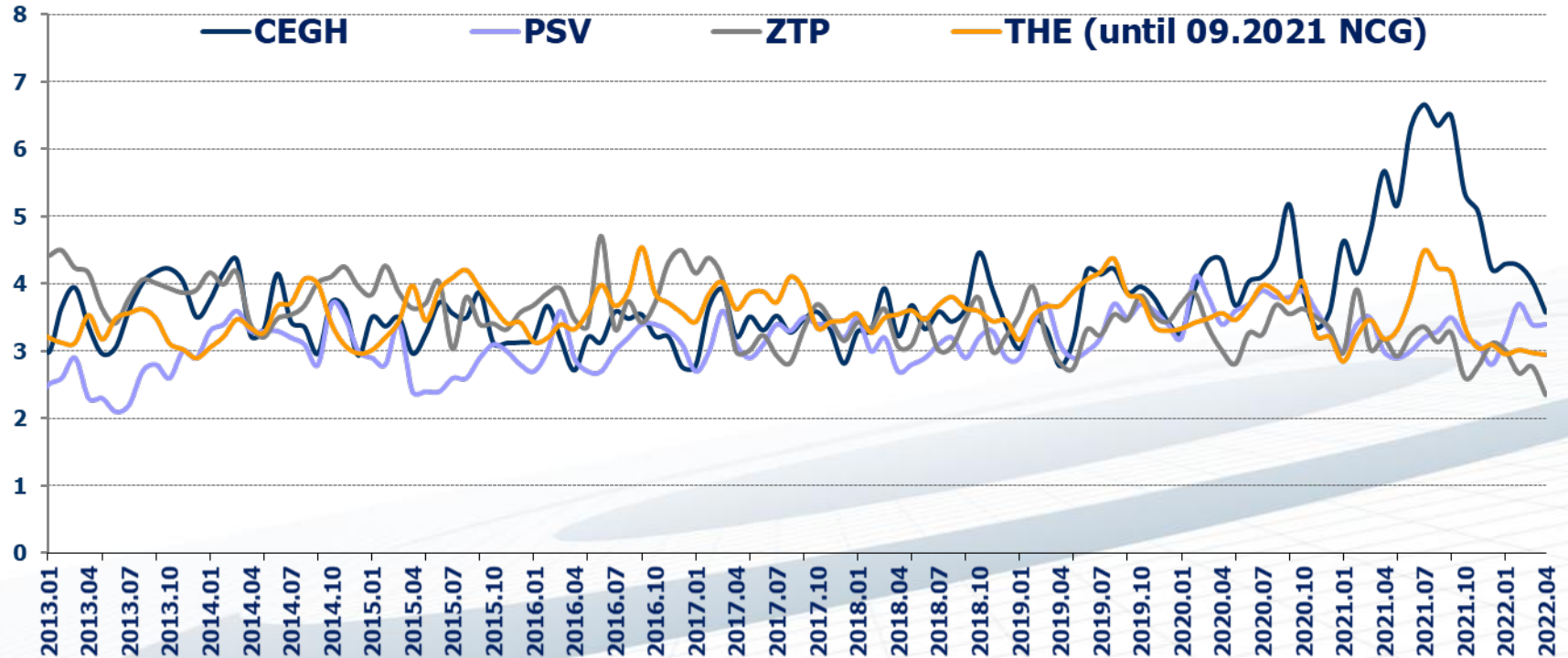
CEGH VTP: Daily Churn Rate since 2013



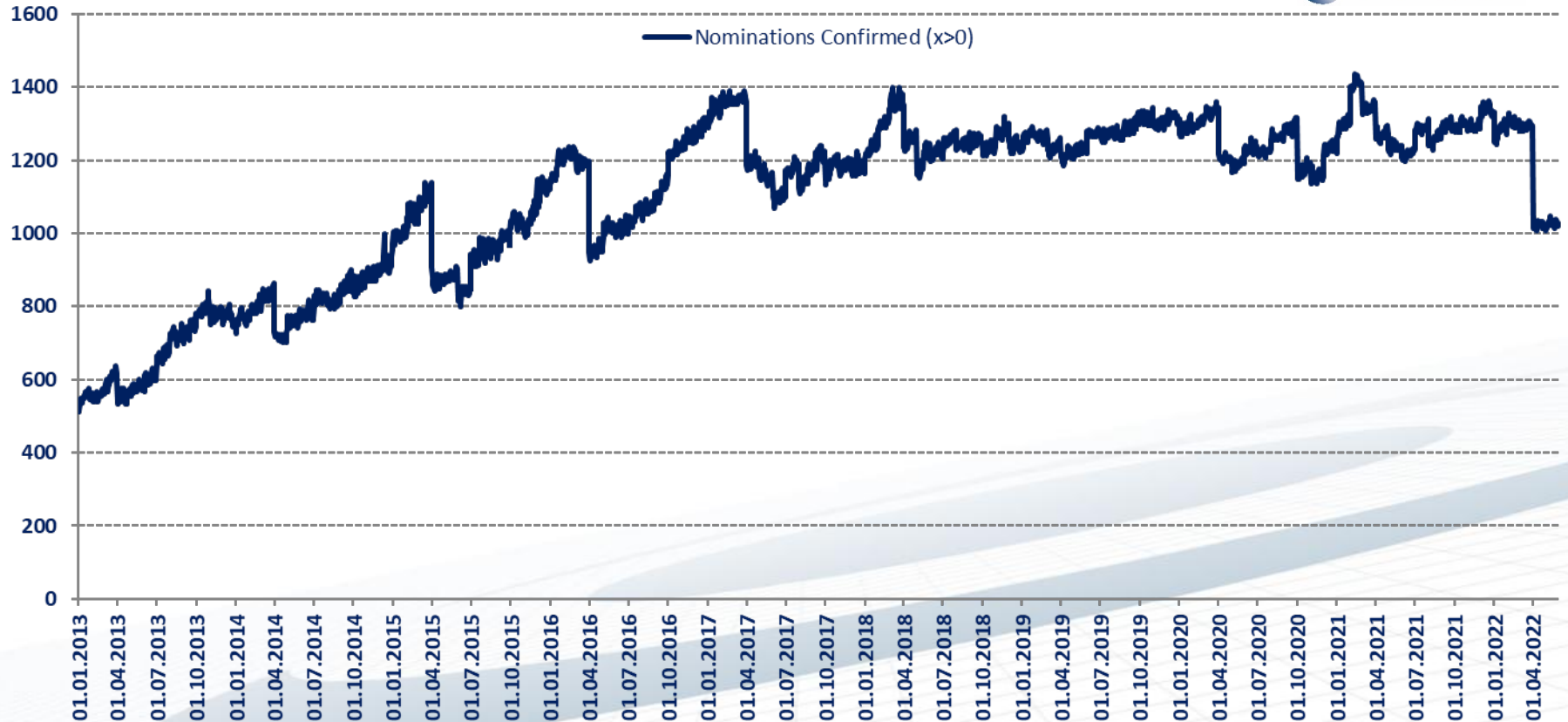
Churn Rate Development of Continental European Gas Hubs



Continental European Gas Hubs - ChurnRate



CEGH VTP: Daily Hub Nominations since January 2013



CEGH REMIT Platform: www.cegh.at/remit



- Available 24/7
- Contents open to the public
- Supports “templates” and “wildcards”
- AGGM, GCA and CEGH publish on CEGH REMIT platform their Urgent Market Messages (UMMs): Main source of information in the Austrian Market Area
- Posting only for registered users
- Postings fulfil legal obligation to publish insider information acc. to REMIT Art. 4
- Meeting all ACER requirements and recommended by E-Control
- Free of charge plus publication alert / RSS feed subscription
- NEW: Registered users and publication alert users can manage received notifications either via country selection or via information type

The screenshot displays the CEGH REMIT platform interface. On the left, there is a filter section with input fields for 'Bidding/Balancing Zone' and 'Reason/Remark', and a 'Filter' button. The main area shows a list of market messages. Two messages are highlighted in blue:

- 02.05.2022 06:00 CEST**: Unplanned Maintenance by OMV Gas Storage GmbH (A0000781H.AT).
- 02.07.2022 06:00 CEST**: Unavailabilities of gas facilities (Withdrawal unavailability (unplanned)) by Storage Pool, Austria (21W0000000000081Y).

Other visible messages include 'Early warning level for the Austrian market areas East, Tyrol & Vorarlberg' and 'Establishment of a Strategic Gas Reserve for Austria'.

CEGH Gas Storage Marketing Platform



OVERVIEW REGISTRATION

- Can be used for primary and secondary storage marketing: important tool for new storage obligations and for industrial customers
- Publication of storage offers without limitations only for companies (users) who signed a contract with CEGH
- Free to use and easy to register for all interested parties for bidding – no checks and restrictions – everyone can place a bid for every offer on the platform
- Allocation according to the rules of the company which is marketing the storage

Filter your results

Storage

OMV Gas Storage

Offer ID: 908

Bidding period: 09.06.2022 12:00 - 09.06.2022 15:00

Publication date: 01.06.2022 10:00

Quantity: 30 Bundles

Pricing: € / Bundle / month

Service period: 01.04.2023 06:00 - 01.04.2024 06:00

WORKING GAS VOLUME	INJECTION RATE	WITHDRAWAL RATE
17.000 MWh	8 MWh/h	8 MWh/h

CLOSED ON 08.03.2022 14:00

OMV Gas Marketing & Trading GmbH

OMV Storage-Pool VTP

Offer ID: 887

Bidding period: 08.03.2022 10:00 - 08.03.2022 14:00

Publication date: 21.02.2022 12:00

Quantity: 40 Bundles

Pricing: € / Bundle / year

Service period: 01.04.2022 06:00 - 01.04.2023 06:00

WORKING GAS VOLUME	INJECTION RATE	WITHDRAWAL RATE
25.000 MWh	11,57 MWh/h	11,57 MWh/h

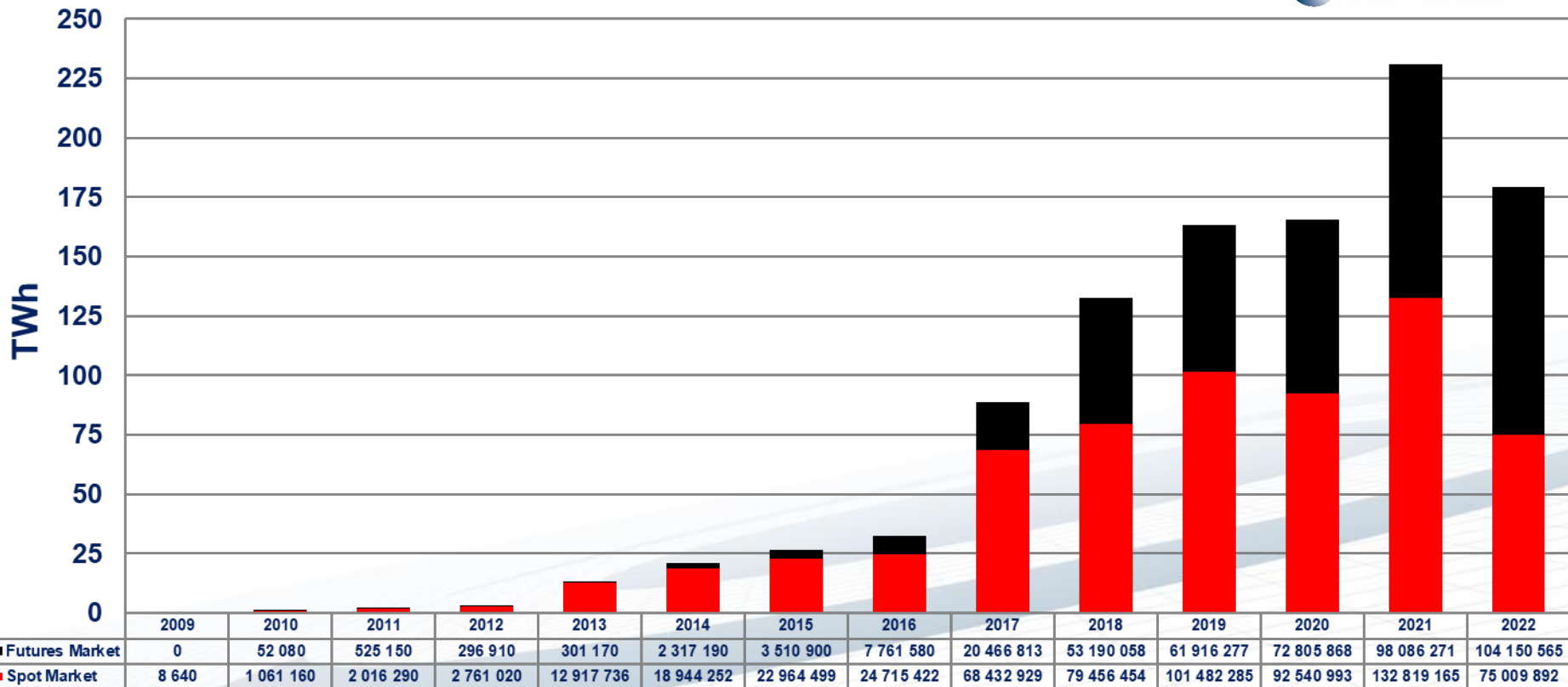
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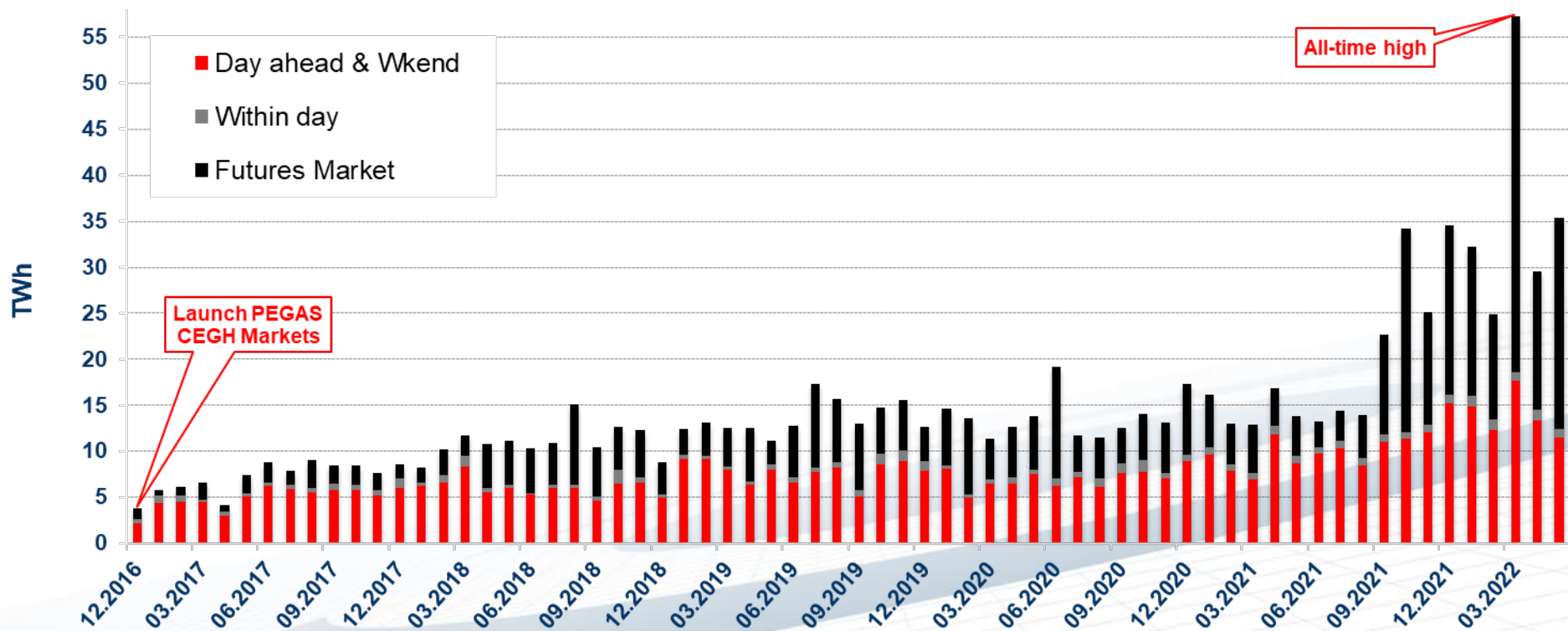
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EEX CEGH Austrian Gas Market: Yearly Trading Volume: 2009 – May 2022



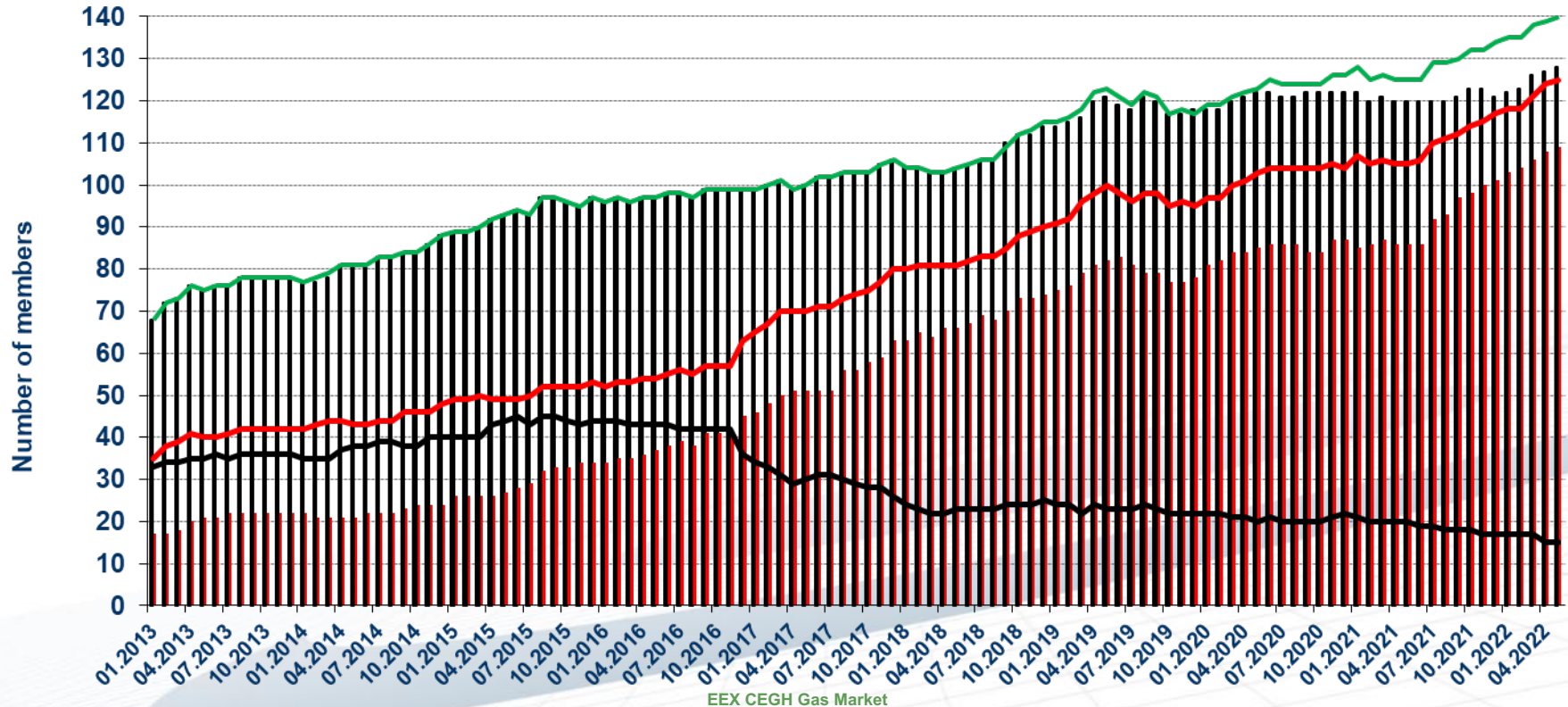
Record volumes on EEX CEGH Austrian Gas Market in extreme Price Situations: Security in volatile Price Environment



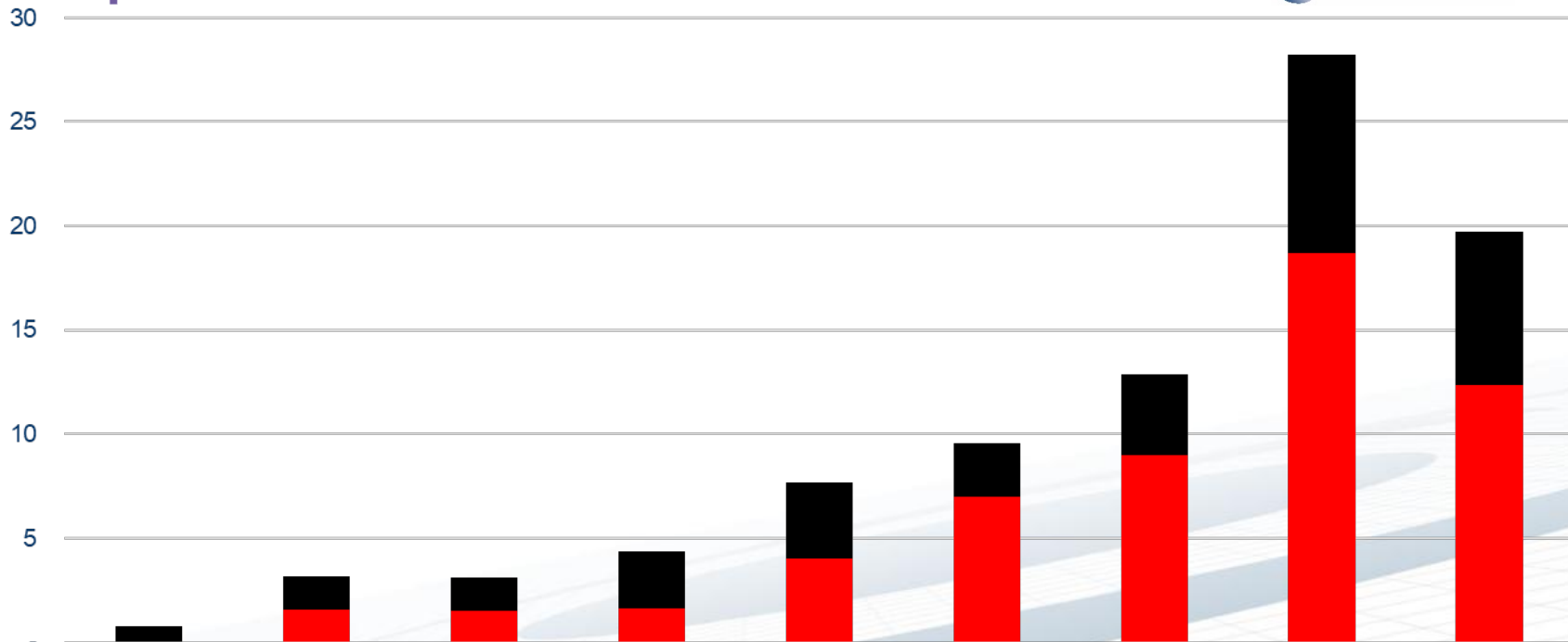
EEX CEGH Austrian Gas Market: Development of Members since 2013



Spot Market
 Futures Market
 Total
 Active
 Spot passive



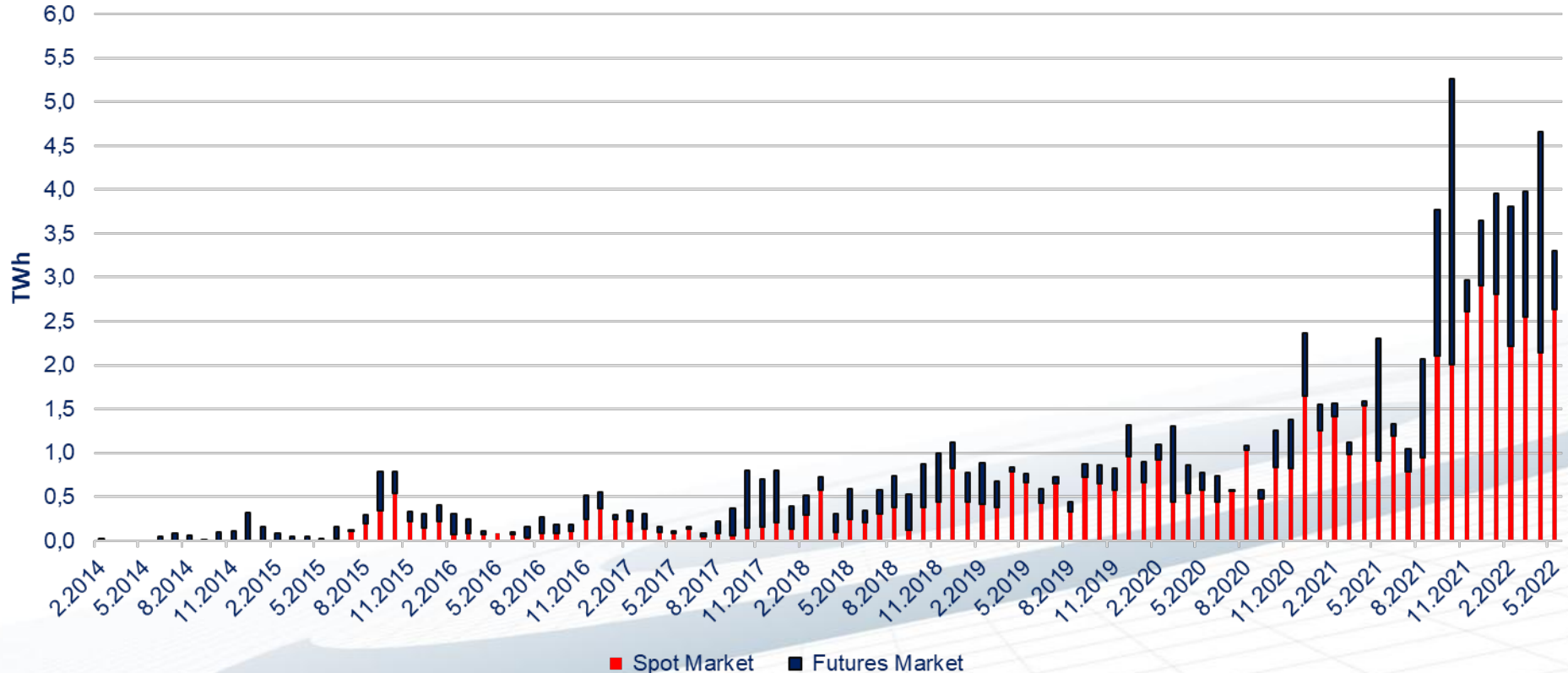
EEX CEGH Czech Gas Market: Yearly Trading Volume: 2014 – May 2022



	2014	2015	2016	2017	2018	2019	2020	2021	2022
■ Futures Market:	0,75	1,59	1,57	2,74	3,69	2,55	3,91	9,55	7,36
■ Spot Market:	-	1,58	1,54	1,60	4,00	7,01	8,97	18,66	12,34

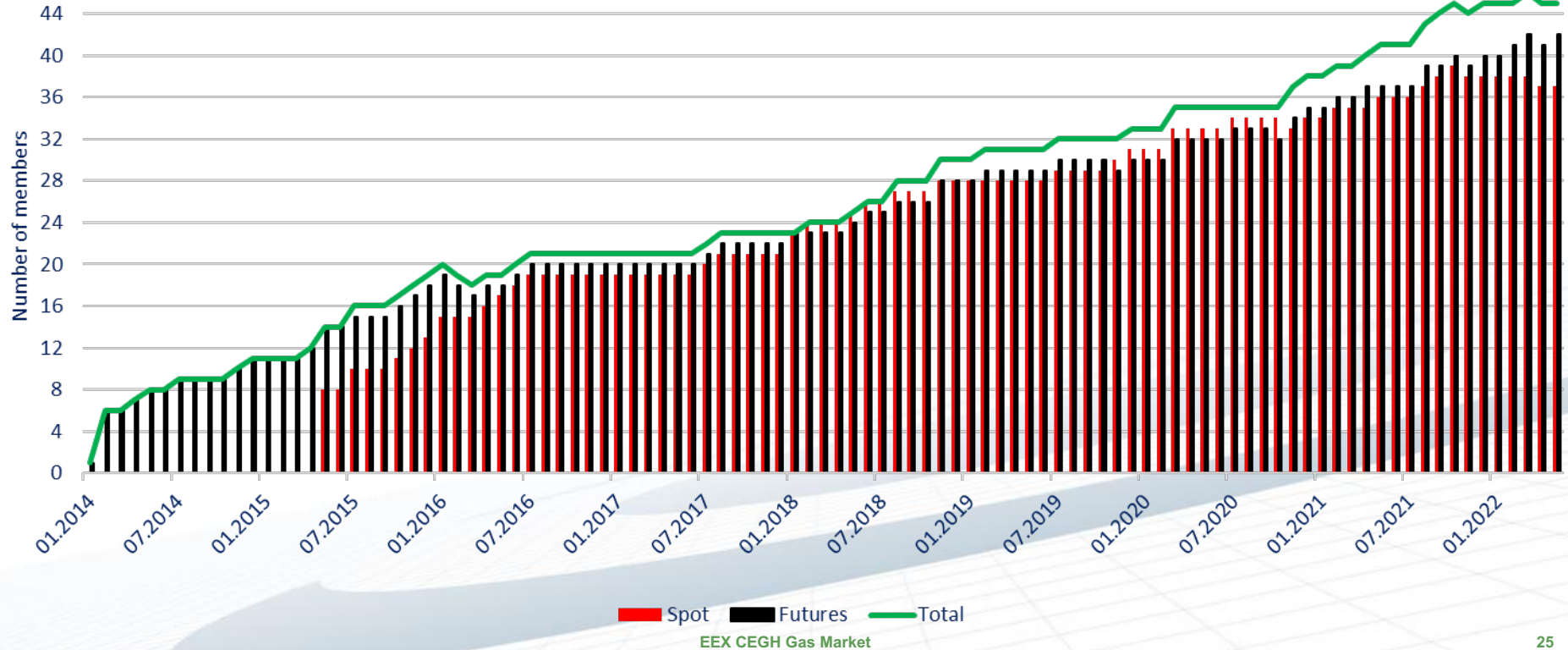
EEX CEGH Czech Gas Market: Monthly Trading Volume

eex → pxe



■ Spot Market ■ Futures Market

Development of EEX CEGH CZ Gas Market Members since 2014



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CEGH GreenGas Platform for Marketing of Green Gases



CEGH GreenGas Platform – Way to more transparency and liquidity

- CEGH GreenGas Platform for **marketing of green gases**, such as biogas and hydrogen, in Austria
- Development of the **CEGH GreenGas Platform based on market feedback** in order to meet the current needs and wishes
- **Gradual expansion** to Central and Eastern Europe is envisaged
- **Functionalities of CEGH GreenGas Platform will be expanded** alongside the evolving green gas market
- CEGH offers the CEGH GreenGas Platform **free of charge**

CEGH GreenGas Platform



- CEGH is offering the CEGH GreenGas Platform in German and English language
- CEGH GreenGas Platform “Users” can easily publish their Guarantee of Origins (GOs) or bio-methane volumes with or without the GOs (bid/ask) or can place bids/offers for existing offers via the CEGH GreenGas Platform
- Wien Energie Vertriebs GmbH & Co KG placed two different sale offers for Guarantees of Origin on the CEGH GreenGas Platform!

The screenshot displays the CEGH GreenGas Platform interface. At the top, there is a navigation bar with the CEGH logo, the text "Wien Energie Vertriebs GmbH & Co KG", and navigation links: "OVERVIEW", "CREATE OFFER", "MEMBERS", and "ADMINISTRATION". Below the navigation bar is a "Filter" section with a "Clear" button. The filter section includes checkboxes for "Status" (open, closed, published, not published, cancelled), a "Company" input field, an "Offer ID" input field, a "Side" selection (Bid, Ask), and dropdown menus for "Registry", "Certificate", and "Country". There are also input fields for "Publication date" and "Bidding period".

The main content area shows two offers for sale, both from "Wien Energie Vertriebs GmbH & Co KG". Each offer is displayed in a card format with a green header "OPEN FOR BIDDING UNTIL REVOKED". The first offer has a volume of 876 MWh and a minimum price of 40.00 €/MWh. The second offer has a volume of 848 MWh and a minimum price of 40.00 €/MWh. Both offers are for "Biomethane from biogas (B110000)" and have a production period from 01.12.21 to 01.01.22. The offers are listed on a page with a pagination control showing "1" of 1 items.

CEGH GreenGas Platform



Easy registration process so that everyone can participate.

2 possibilities:

- Registration as “User” for active participation on CEGH GreenGas Platform
- Registration for “Publication Alert” to get a notification via email in case new bid/ask offers are placed

When you register as “User”, please provide proof of an existing registry membership in order to be able to participate in marketing activities for the corresponding registries.

CEGH GreenGas Platform - Registration



Registry Membership at Biomethan-Register Austria :

- 1) The market participant who is aiming to register on CEGH Greengas Trading Platform submits a request to Biomethan Register Austria via info@biomethanregister.at to receive confirmation of active market participation and registered account.
- 2) After the request has been made, AGCS issues a confirmation (1-page, paper) to the market participant.
- 3) Under “Registry memberships” please enter the ID no. (Identification number) and upload the confirmation document of AGCS during the registration process, so that the membership in the Biomethan-Register Austria can be confirmed by CEGH.

Registry Membership at Database of E-Control

The process for the Registry membership of E-Control is still to be defined.

CEGH GreenGas Platform



Place a bid:

- Requested Volume (MWh)
- Minimum accepted volume (MWh) [optional]
- Price (€/MWh)
- Upload optional documents in case needed (e.g. contract relevant details)
- Placed bids of your company can be seen on the CEGH GreenGas Platform or exported to an MS-Excel sheet

The screenshot displays the CEGH GreenGas Platform interface. At the top, there is a navigation bar with the CEGH logo and links for OVERVIEW, CREATE OFFER, MEMBERS, and ADMINISTRATION. Below this is a green banner with a clock icon and the text 'OPEN FOR BIDDING UNTIL REVOKED', along with a 'Place your bid' button. The main content area shows details for a bid from 'Wien Energie Vertriebs GmbH & Co KG'. It includes a 'Documents' section with 'No documents available.' and a 'Bids' section with a 'Place a bid' form. The form contains fields for 'Requested volume' (MWh), 'Minimum accepted volume (optional)' (MWh), 'Price (= 40,00 €/MWh)' (€/MWh), and 'Volume (optional)'. There is also a section for 'Additional documents' with a 'Choose file' button and a checkbox for 'I have read the Terms of Use of the Platform and accept them.' A 'Place bid' button is at the bottom.

CEGH GREENGAS PLATFORM OVERVIEW CREATE OFFER MEMBERS ADMINISTRATION

OPEN FOR BIDDING UNTIL REVOKED Place your bid

Edit Cancel Delete

Wien Energie Vertriebs GmbH & Co KG
Publication date: 31.05.2022 10:58
ID: 10-10-107

Product
Guarantees of origin
Registry / Certificate / Country of origin
AGCS Biomethan Register Austria / Certificate of origin / Austria

Ask Minimum price
40.00 €/ MWh

Bidding period
until revoked

Registry membership required to participate
AGCS Biomethan Register Austria

Biomethane from biogas (B110000)

Volume
376 MWh

Production period
01.12.21 - 01.01.22

End bidding phase

Bids

Place a bid

Requested volume: MWh Minimum accepted volume (optional): MWh

Price (= 40,00 €/ MWh): €/ MWh

Volume (optional):

Additional documents

Choose file

Please upload the document(s) as a PDF file (max. 5 MB file size).

I have read the Terms of Use of the Platform and accept them.

Place bid

CEGH GreenGas Platform



Interested persons or companies can

- register for publication alerts via email or
- register as “Platform Users” for the possibility to place bids/asks

Platform Users are

- publishing bids/asks for Guarantee of Origins (GOs), bio-methane volumes without GOs or bio-methane volumes with GOs
- informing all registered platform users by using the CEGH GreenGas Platform
- collecting bids
- the contact for all product related questions

CEGH is

- operator of the CEGH GreenGas Platform
- providing technical support for customers
- Further improving and developing the CEGH GreenGas Platform based on market needs

The conclusion of a contract for the offered products is subject to discretion of the company offering or requesting this products.

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STRATEGIC GAS RESERVE IN AUSTRIA

VIENNA, 2. 6. 2022

- ▶ Filling Level Austrian Storage - end of winter season 2021/22: VERY LOW
- ▶ Political troubles with Russia – escalation in Ukraine
- ▶ Discussion on EU and national Level
- ▶ Quick measures
Strategic Gas Reserve
- ▶ Amendment of the Austria Gas Act 2011
§18 a-c (End of March)

- ▶ **Legislative procedure**
 - Define neutral risk position for AGGM and shareholders

- ▶ **Set up subsidiary of AGGM – ASGM Austrian Strategic Gas Storage Management GmbH**

- ▶ **Define Auction design - Considering legal boundaries**
 - Market base
 - Transparent
 - Non-discriminatory
 - public

- ▶ **Set-up procedure**

▶ Announcement of the tender – 22.4.2022

Start of registration period:	10.5.2022 14:00
End of registration period:	18.5.2022 18:00
Start of bidding period:	16.5.2022 10:00
End of bidding period:	23.5.2022 12:00
Bid Validity Period:	24.5.2022 12:00
Confirmation of Acceptance:	until 24.5.2022 12:00

▶ Tender Platform provided via CEGH

- ▶ **TARGET – 12,6 TWh – three years – start: 1.6.2022**
Conditions: at least 1 TWh link to THE market area; distribution to storage locations direct linked to Market Area East
- ▶ 28 registered companies, 25 participating companies, 189 bids
- ▶ 7,7 TWh at 124,5 EUR/MWh incl. storage costs for 2022/23
- ▶ Storage on storage capacity
- ▶ Next steps:
 - Screening the market
 - Discussion with Ministry how to proceed

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Procedures on the CEGH VTP in Case of Supply Curtailments



Procedures on the CEGH Virtual Trading Point (VTP)

- In case of a supply disruption / curtailment of gas, **CEGH will continue to provide its title transfer service** and asks all members to monitor the situation closely and to **keep nominations to the VTP balanced**.
 - **Please coordinate any re-nominations with your counterparties**, as in case of mismatches the lesser rule will be applied.
 - The on-behalf balancing via the gas exchange by the Market Area Manager might not be possible any longer to the full extent, due to a lack of gas / volatile prices.
- **A supply disruption / curtailment of gas itself would not to be considered a “Force Majeure Event”** under the CEGH General Terms and Conditions. The reason for this is that such event would not hamper the ability of CEGH to perform the VTP title transfer service.
- Curtailments of VTP positions would only be done by CEGH, in case of an order / request by the Market Area Manager / Authorities according to applicable market rules.

EEX Gas Exchange & ECC Clearinghouse Procedures in Case of Supply Curtailments



- EEX considers it essential to have access to a central and transparent market that enables its participants to manage and transfer risk through trading and central clearing.
 - However, major disruptions of gas delivery might trigger temporary measures
 - in the form of a volatility interruption, or
 - a temporary suspension of the EEX gas derivatives market to avoid irrational price movements.
 - **EEX aims to keep the Spot Market open for trading at any time.**
 - On CEGH VTP, nominations of ECC would only be curtailed as a last resort according to the CEGH GTCs to keep balancing available as long as possible.
 - **ECC nominations for trades already concluded would continue to be nominated to the CEGH VTP**, even in case of EEX market suspension. ECC will exercise margin calls if required; indices would be published, if necessary with defined fallback procedure.
- **Detailed information can be found here:**
- <https://www.ecc.de/de/newsroom/circulars>
 - <https://www.eex.com/en/faq>

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New Balancing Model - Changes @ EEX CEGH Gas Exchange



Changes on EEX CEGH Gas Exchange for Balancing New (1 October 2022)

- Abolishment of "hourly-auction" on the Within-day market
- Switch from auction to continuous trading mode
- Additional new locational spread products available for trading on the within-day market (spot):
 - CEGH VTP/TTF
 - CEGH VTP/THE

Adjustment of EEX Gas Exchange Rules & Regulations

- EEX will revoke the current authorization of the Market Area Manager to trade in the name and on behalf of unbalanced Balance Group Responsible Parties (BGRPs), by an amendment to the applicable rules.
- This change will be communicated by EEX in a "Market Notice".
- Gas exchange members (BGRPs) do not have to sign any new contracts with EEX and/or ECC.

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CEGH Customer Satisfaction Survey



Key Facts

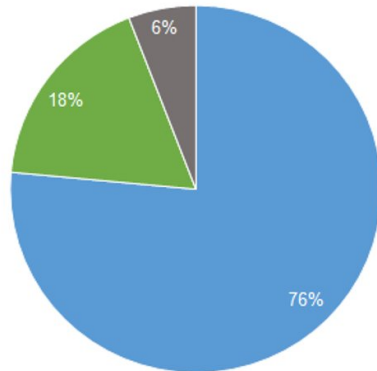
- 38 Participants
- Consultation Period: End of Jan till end of Feb 2022
- 4 Weeks Consultation Time
- 10 Zotter Chocolate Abonnements as Thank You!



Image and Liquidity

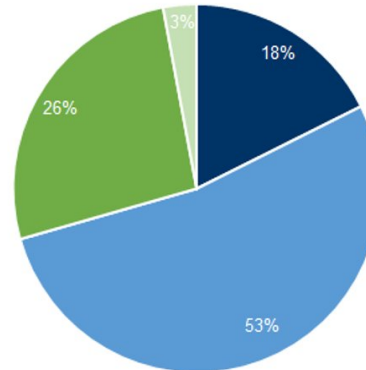


- Image of CEGH has further improved from a high-level basis in 2019 with **8.5/10!**
- Overall **CEGH is ranked Nr. 1 in customer satisfaction** of all main European Hubs, followed by TTF, with a ranking of 8/10.
- **Liquidity development** for both, CEGH VTP and EEX CEGH, is expected to **slightly increase** by the majority of participants.



EEX CEGH Market

- increase considerably
- increase slightly
- stay all about the same
- decrease slightly
- decrease considerably



CEGH VTP

Key Findings



CEGH VTP

- Overall satisfaction with the CEGH VTP Team is 8.3/10 (very satisfied customers have doubled)
- Competence and availability of CEGH VTP contact people & nomination process have the highest rankings (8.8/10)
- Simplicity and reliability as the main reasons that contributed to participants' satisfaction

EEX CEGH

- Overall satisfaction with EEX CEGH Team is 8.5/10
- Availability of EEX CEGH contact persons is the highest ranked with average of 8.6
- Average satisfaction for products offered on Spot & Futures Market is 7.8
- 20% of participants are completely satisfied with the offered spread trading products

CEGH Website:

- Overall satisfaction is 8/10

CEGH App:

- Over 70% are at least satisfied, whereas 25% of the participants are completely satisfied with the CEGH App

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**Thank you very much
for your attention**

