



30th CEGH Feedback Workshop & 20 Years of CEGH Celebrations

Vienna, 16 October 2025

Today's Agenda



13:00 Welcome with Coffee, Sweets & Snacks

14:00 CEGH Updates on
- **CEGH VTP**
- **EEX CEGH Exchange**
- **Green Gas Projects**

14:30 Black Sea Gas – a unique opportunity for Romania and for South-Eastern Europe
Marian Bitica / OMV Petrom

15:00 Coffee Break

15:30 20 Years of CEGH
with special guests:

***Elisabeth Zehetner** / State Secretary, Federal Ministry of Economy, Energy & Tourism*

***Erich Holzer** / OMV*

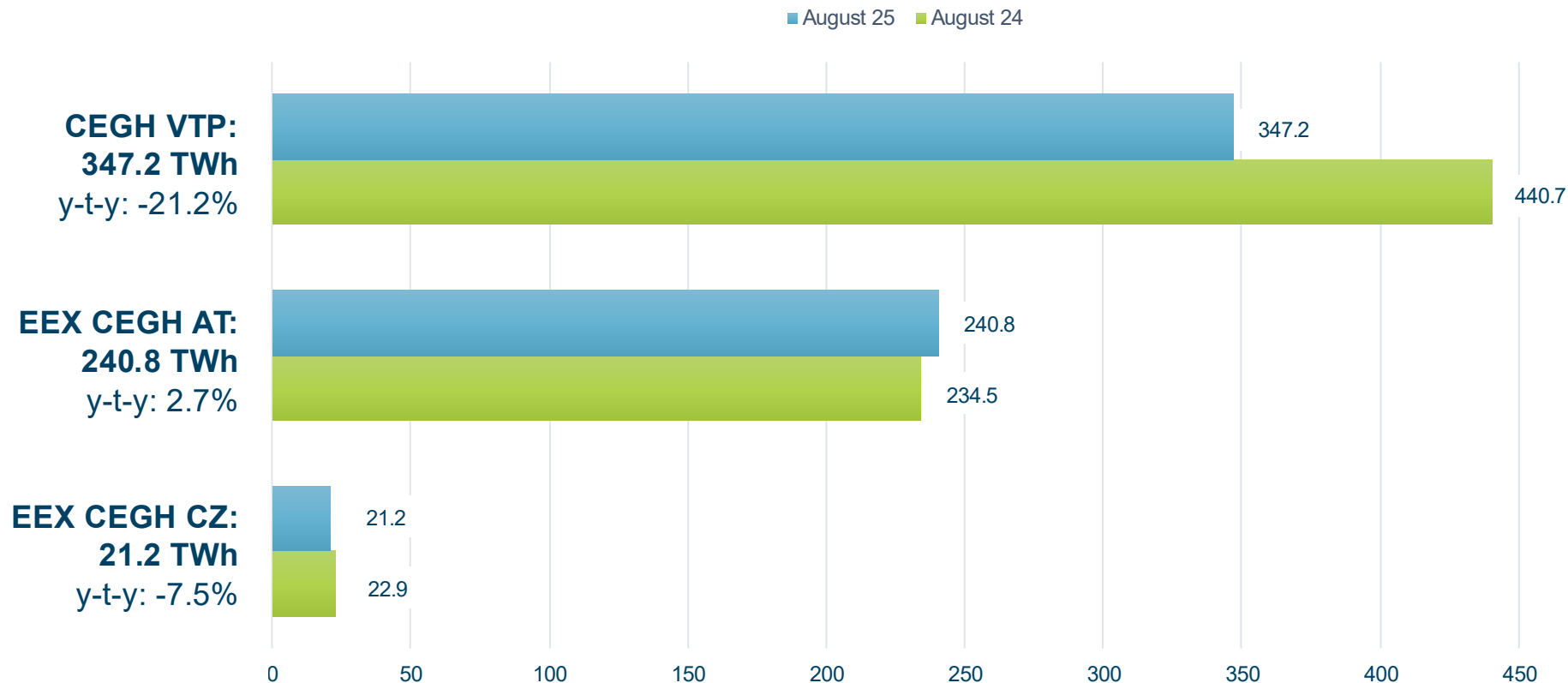
***Christoph Boschan** / Wiener Börse*

***Doug Wood** / Energy Traders Europe*

16:30 Flying Buffet & Drinks Reception

- **Welcome & Introduction**
- Update on CEGH VTP Operations
- News on EEX CEGH Gas Exchange
- CEGH GreenGas Platform
- CEGH GreenHydrogen Index

CEGH Volumes 01-08/2025

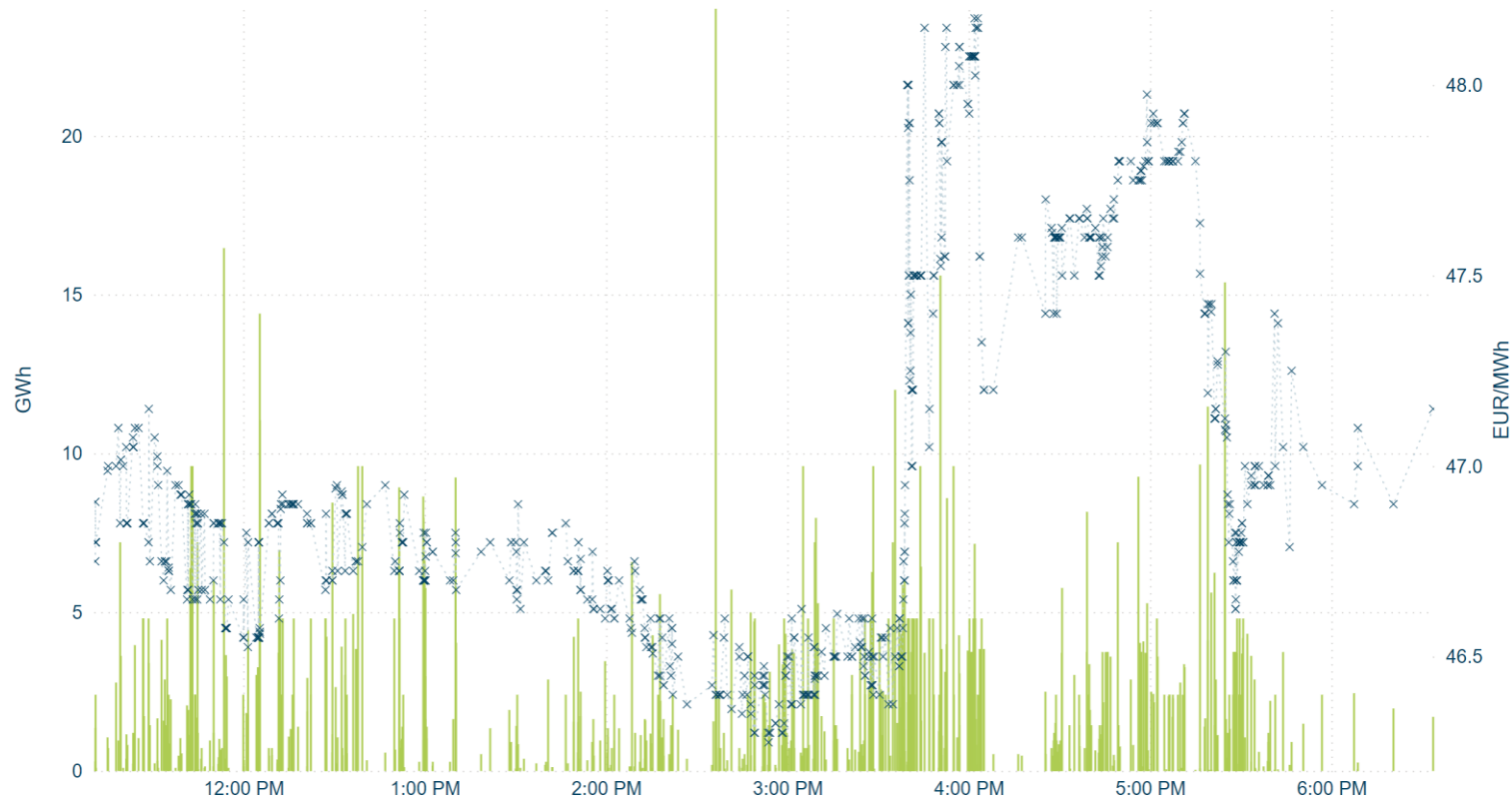


EEX CEGH Spot Trade Prices and Volumes

15th November 2024 trading day; Day-ahead and Weekend contracts

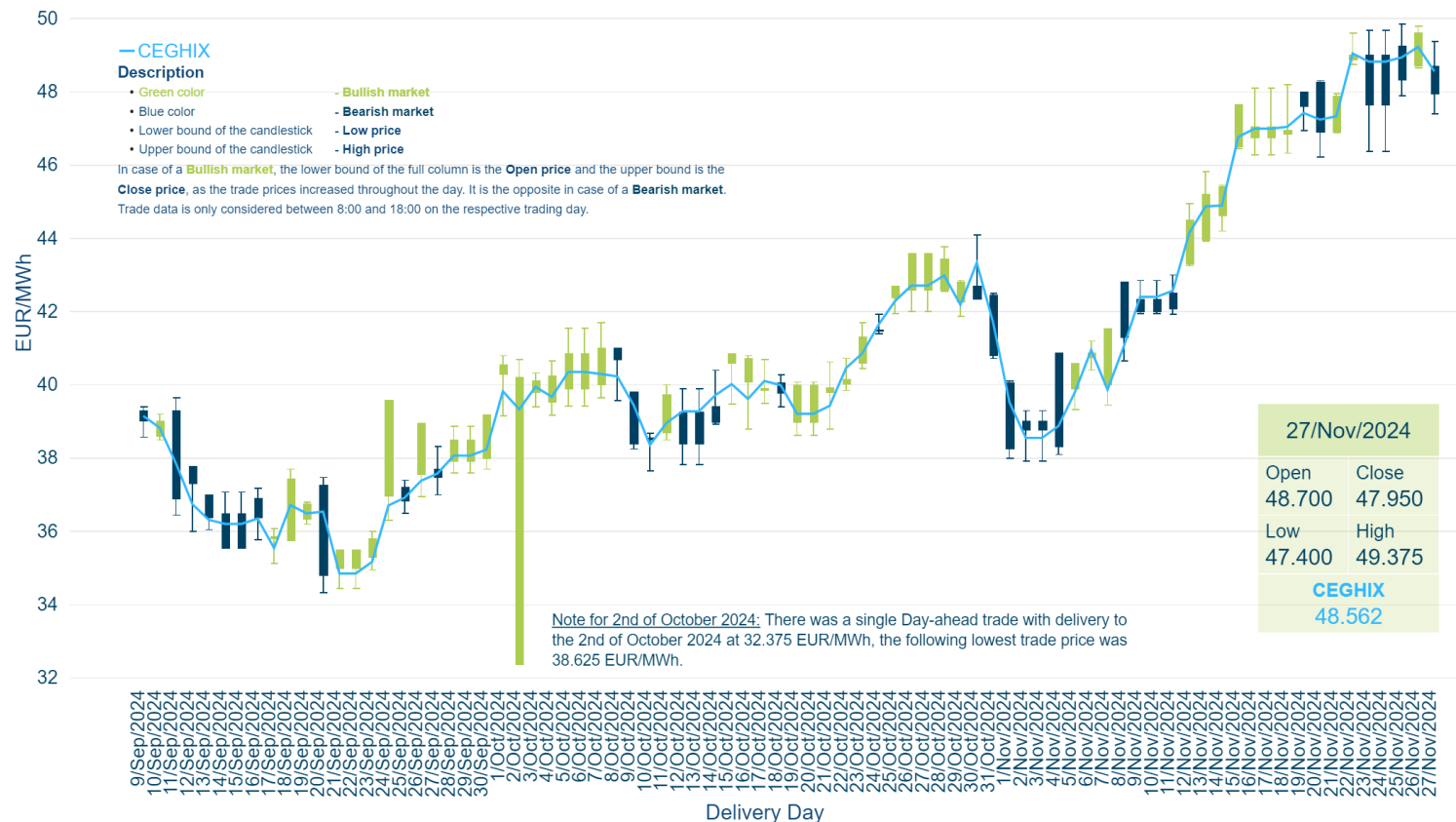


● Traded Volume (GWh) × Trade Price (EUR/MWh)



EEX CEGH Spot Prices

Open-Low-High-Close and CEGHIX Spot Index



EEX CEGH Futures Prices

Daily Settlement Prices and WAVG CEGHIX since October 2023

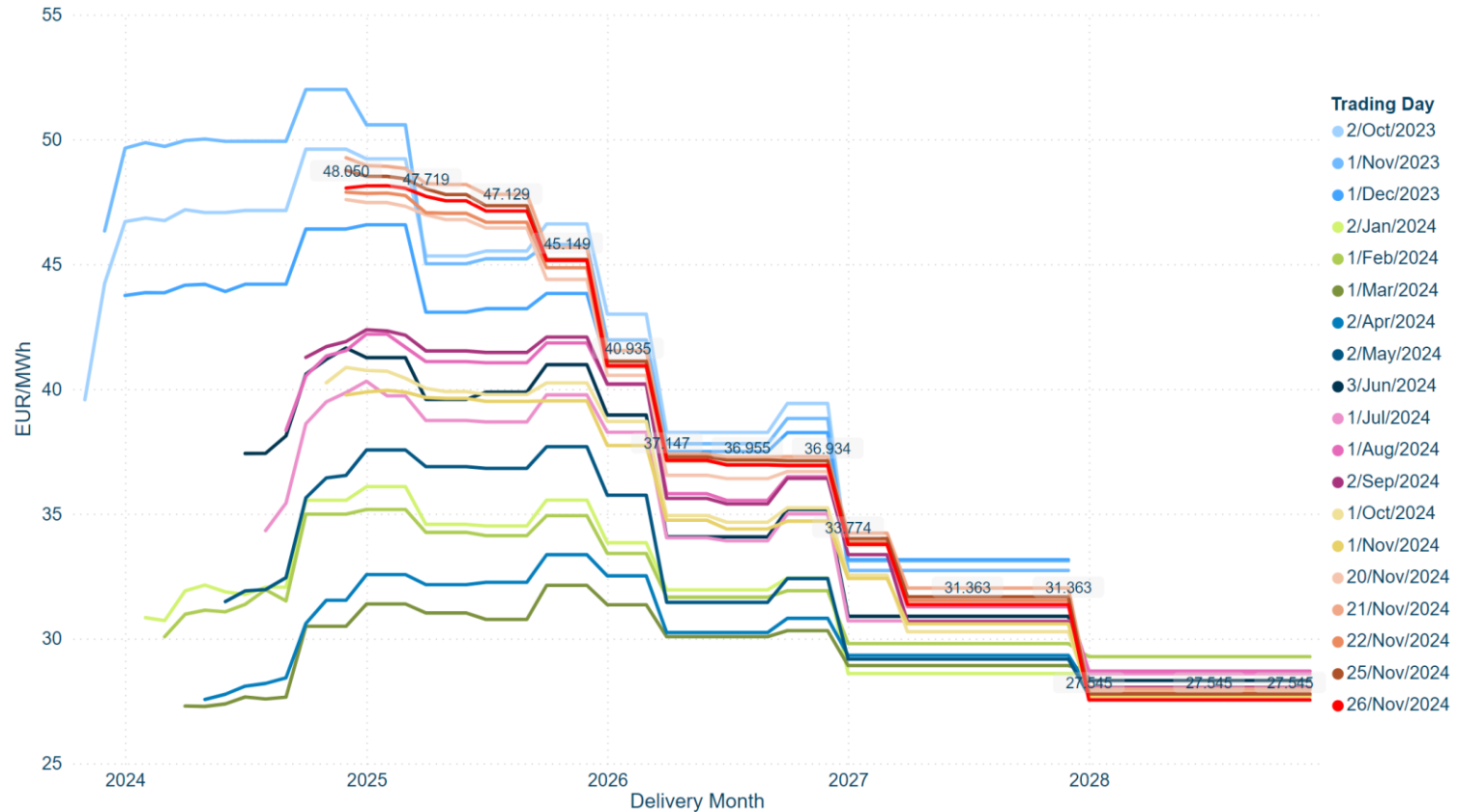


Maturity ● Weighted Average CEGHIX ● Month +1 ● Quarter +1 ● Season +1 ● Calendar +1



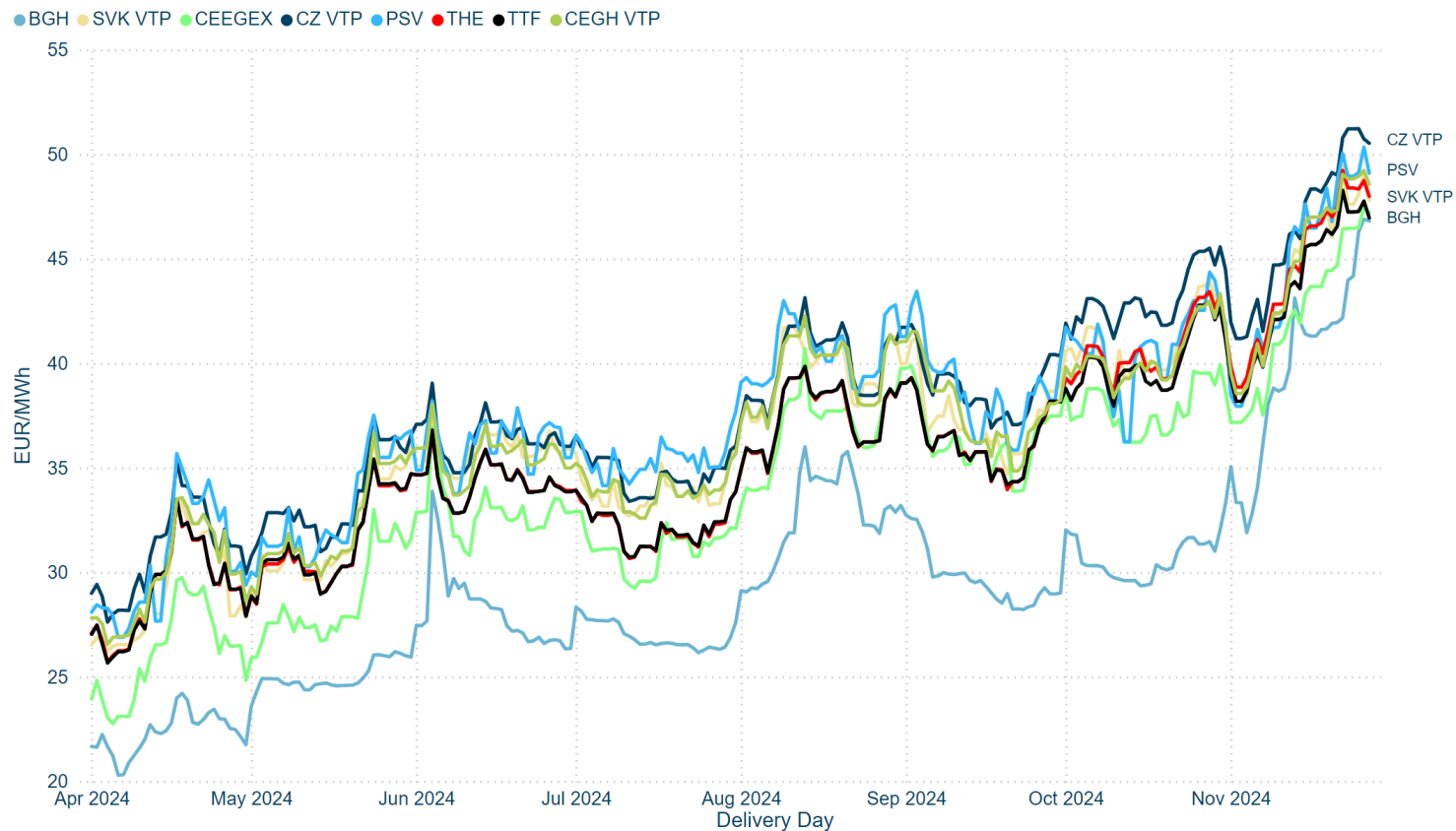
EEX CEGH Futures Prices

Arithmetic Average of Daily Settl. Prices for the respective Delivery Month



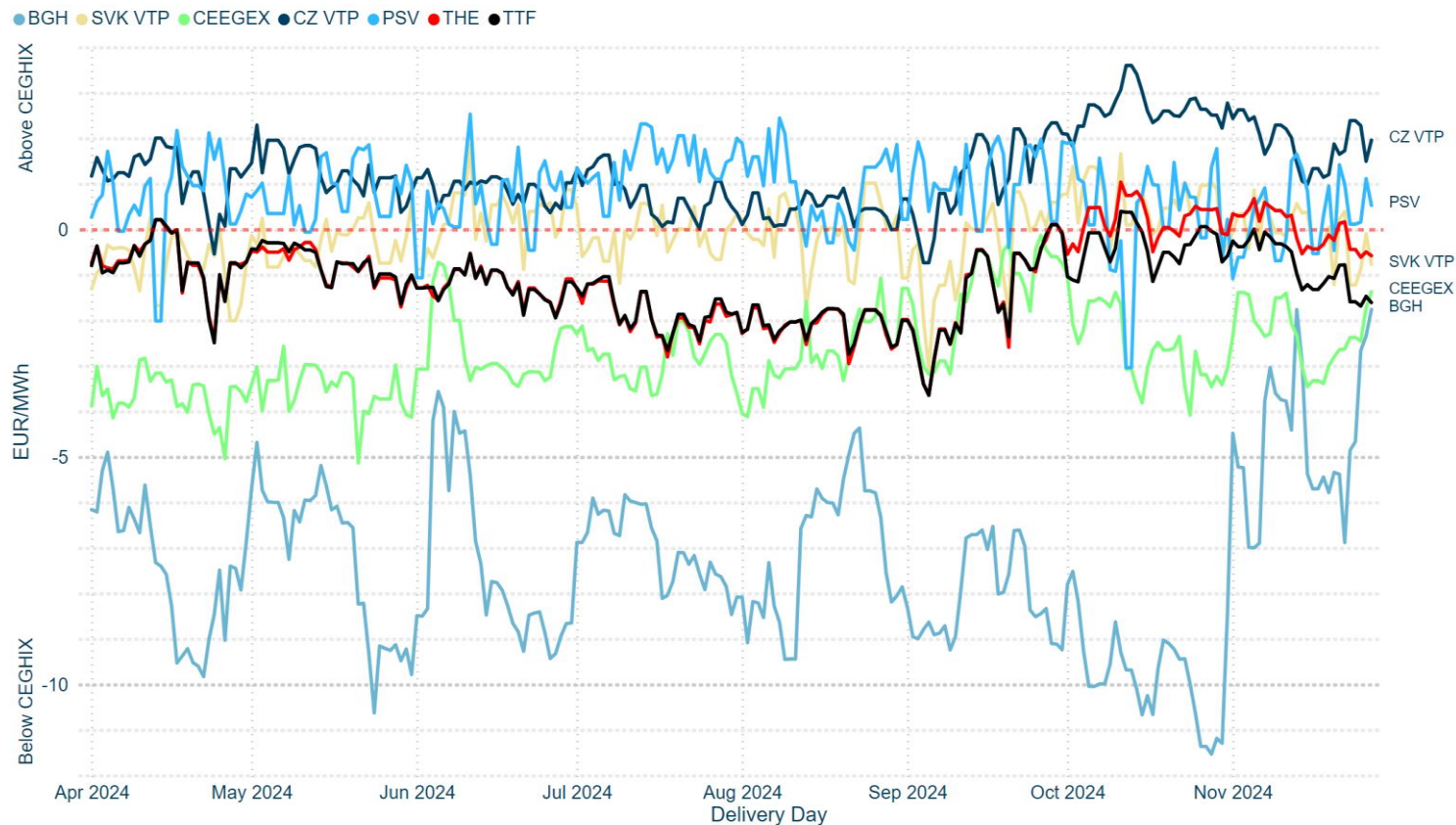
European Natural Gas Spot Prices

Since April 2024



European Natural Gas Spot Prices

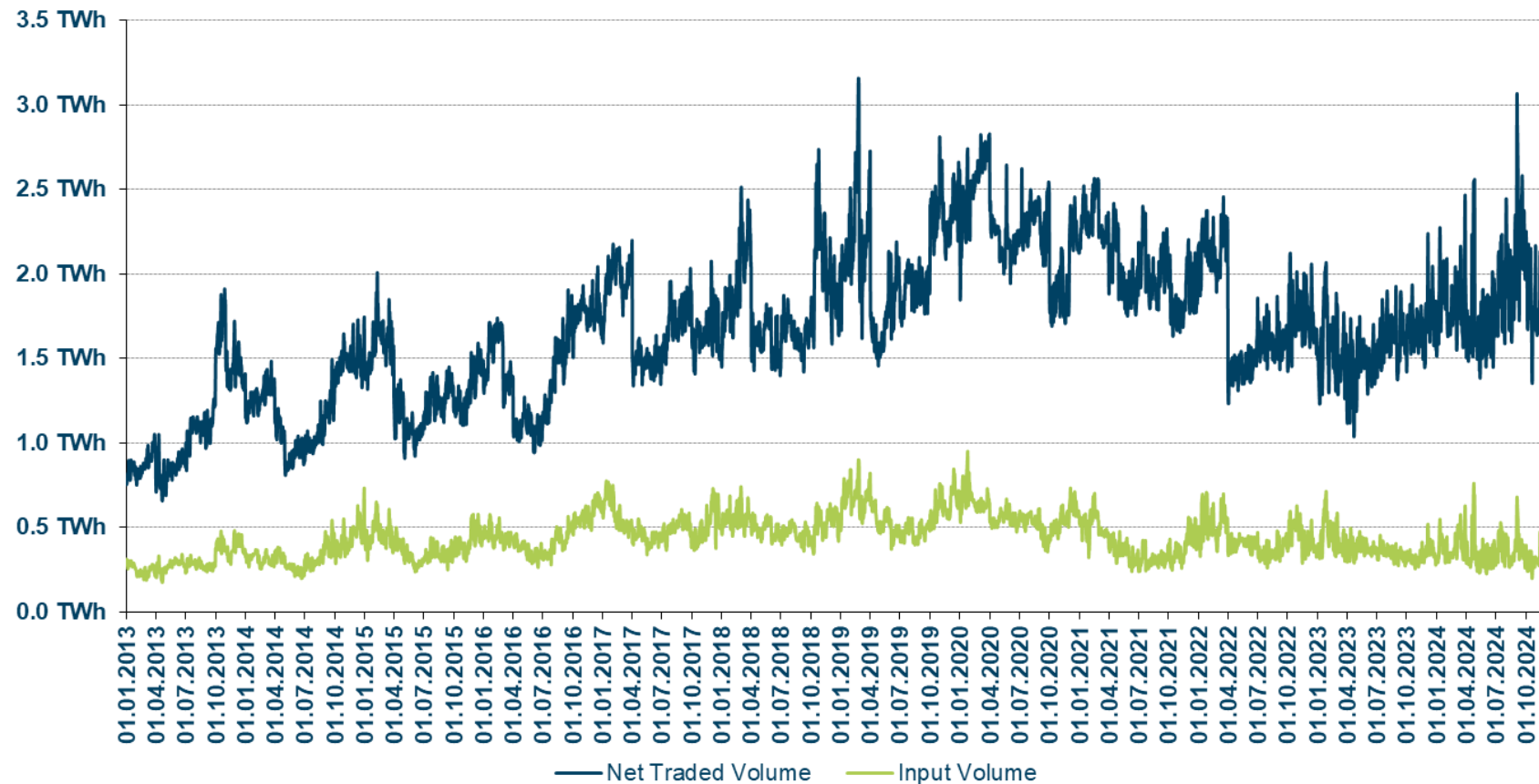
Compared to CEGHIX; Since April 2024



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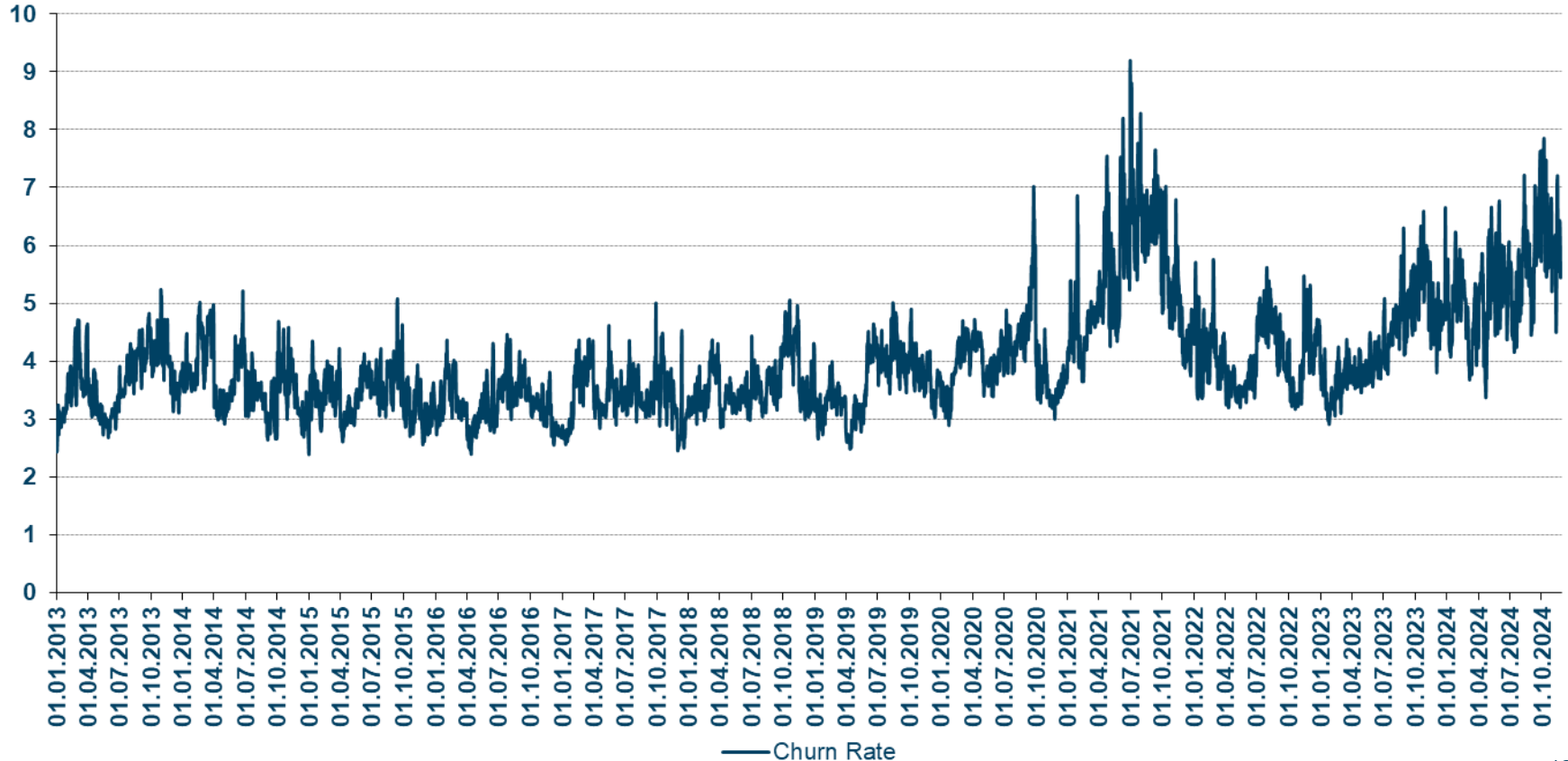
CEGH VTP: Daily Net Traded Volume

Since January 2013

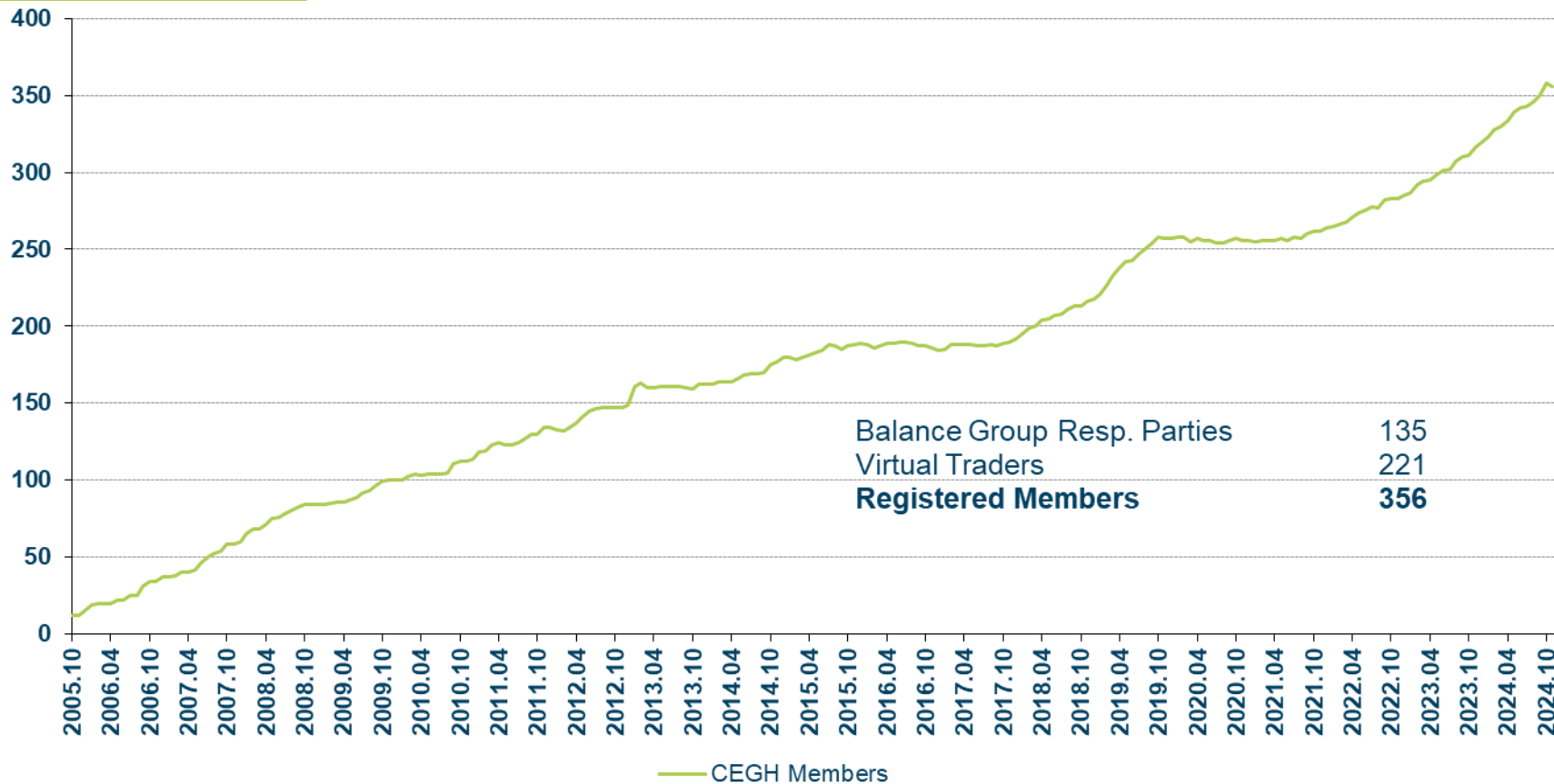


CEGH VTP: Daily Churn Rate

Since January 2013

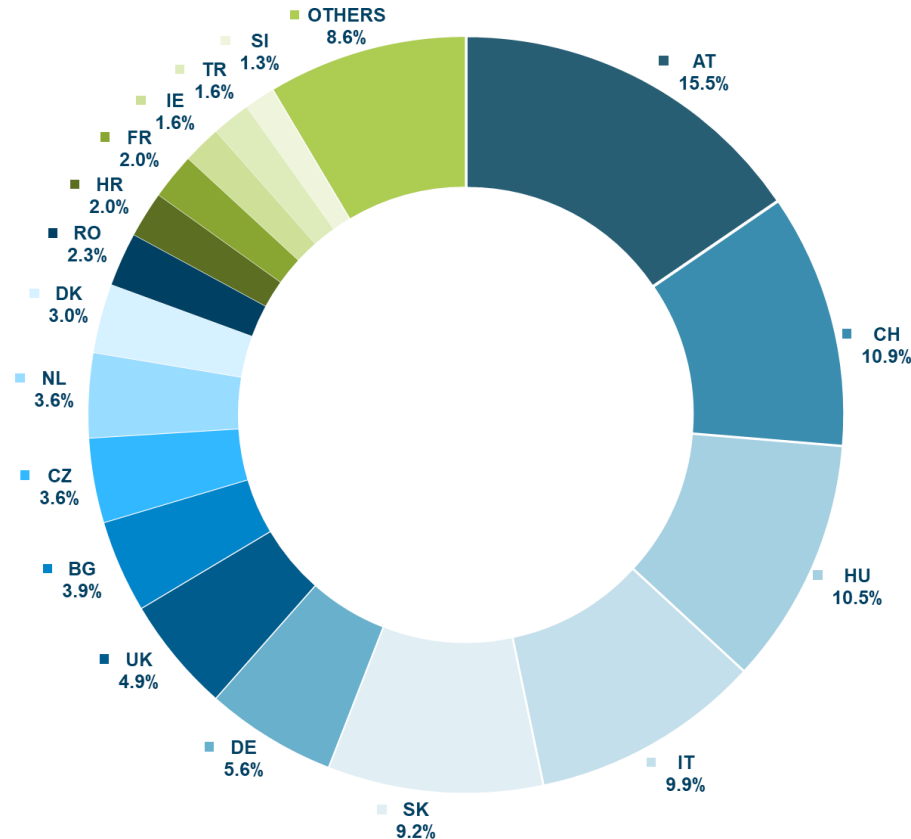


CEGH VTP: Number of Registered Members



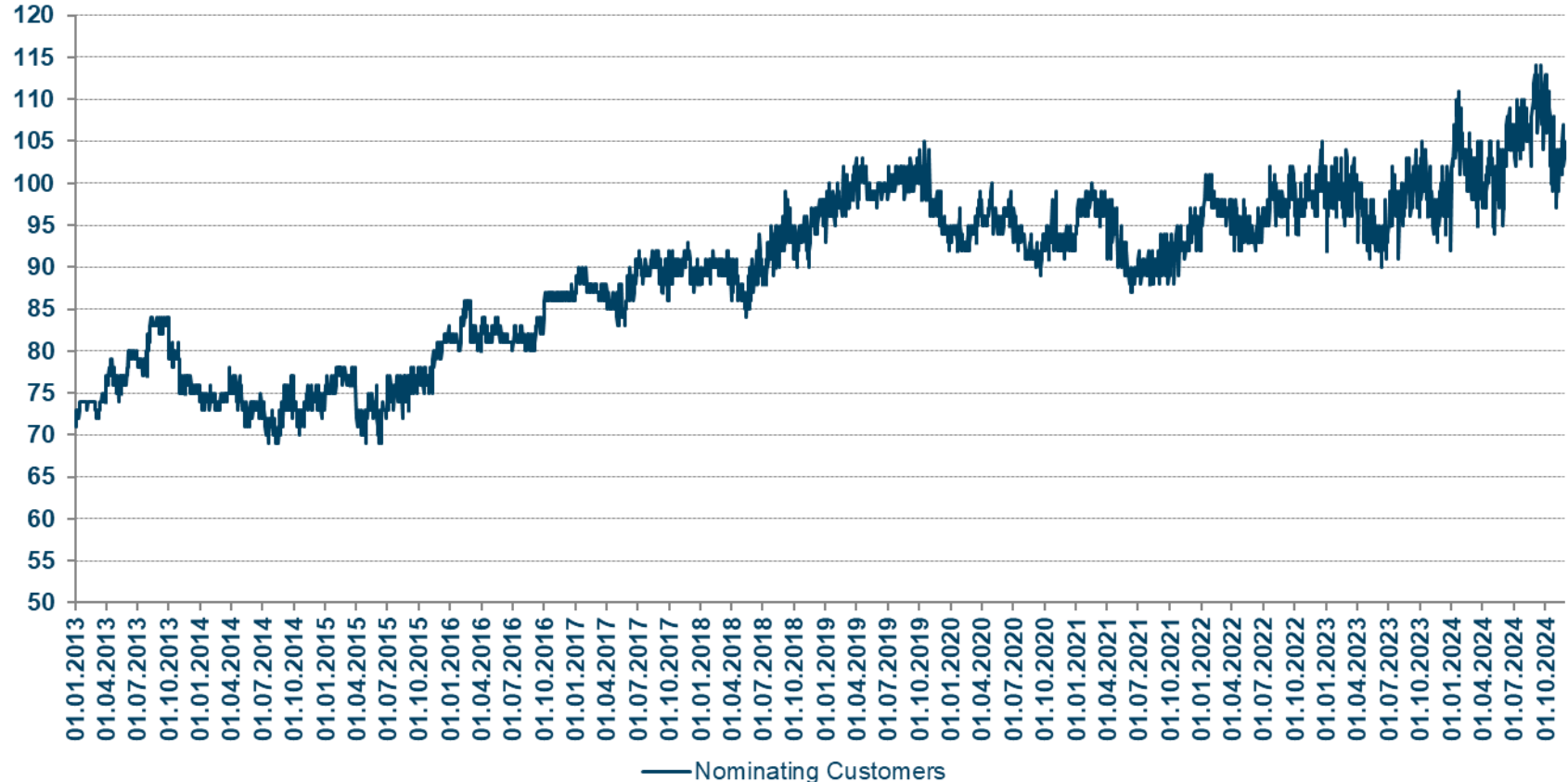
CEGH VTP: Number & Origin of Members

369 Members
September 2025



CEGH VTP: Nominating Customers on Daily Basis

Since January 2013



CEGH REMIT Platform



- 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
- Registered users and publication alert users can manage received notifications either via country selection or via information type

➤ <https://www.gashub.at/remit/postings.xhtml>

CEGH Gas Storage Marketing Platform



Key Facts

- Launched: November 2018
- Approx. 90 companies registered
- Offered working gas volume: more than 29 TWh
- Primary & secondary capacity marketing
- 3 Categories: 1. Storage Capacity, 2. Gas in Storage, 3. Balance Group Service
- Publication of storage offers (SELL) only for companies with a CEGH contract
- Publication of storage requests (BUY) free of charge for companies until further notice

Framework

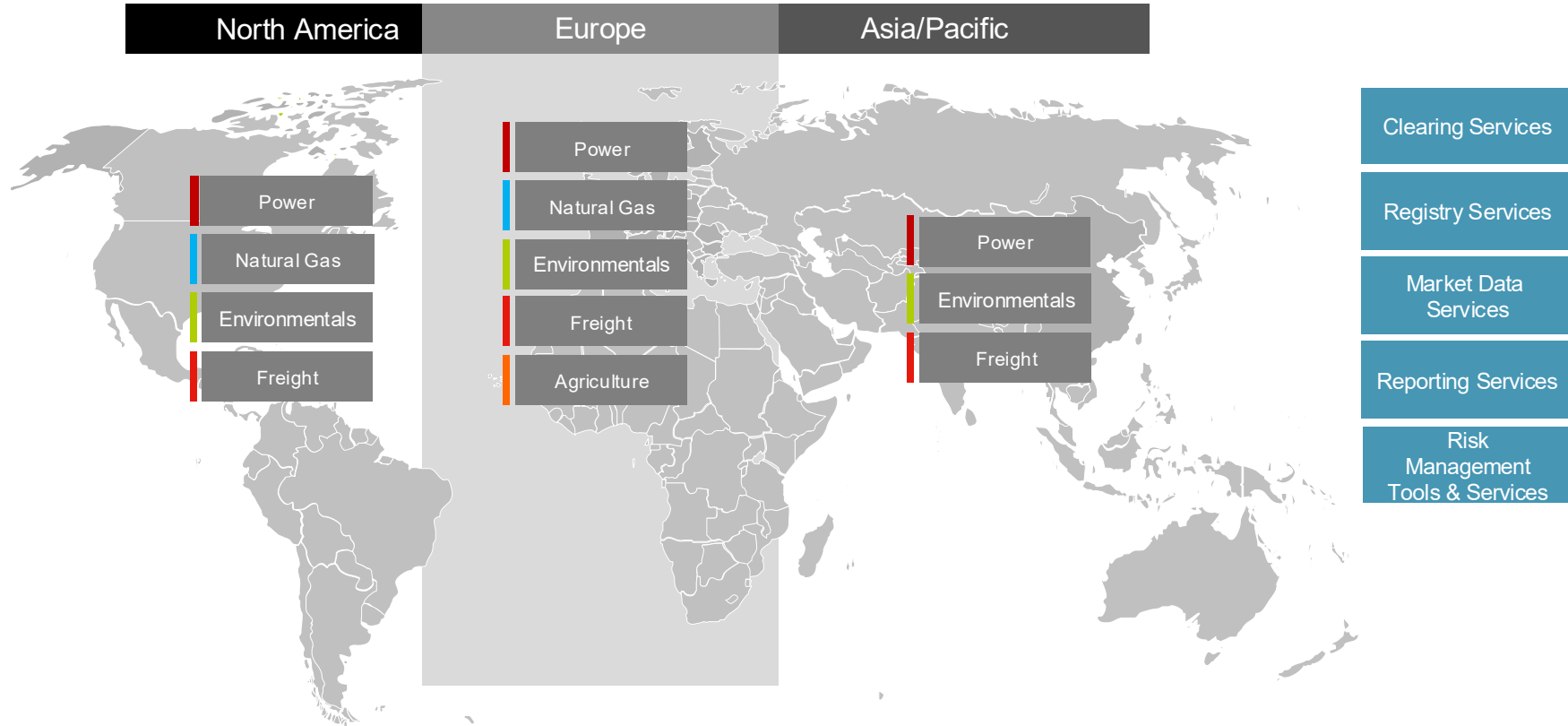
- Free to use and easy to register for all interested parties for bidding – no bidding checks and restrictions – everyone can place a bid for every publication on the platform
- 2-ways to use the Storage Platform: auction mode or publication until revoked
- Allocation according to the rules of the initiator who is selling / buying

➤ <https://www.gashub.at/storagemarketing/overview.xhtml>

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- CEGH GreenHydrogen Index

EEX Commodity Exchange Trading

Power, Natural Gas and Environmentals





5 Asset Classes

Natural gas, power, emissions, freight, agricultural

10 Hubs

Austrian CEGH, Belgian ZTP, **Czech VTP**, Danish ETF, Dutch TTF, French PEG, German THE, Italian PSV, Spanish PVB, British NBP, and JKM LNG

Multiple products

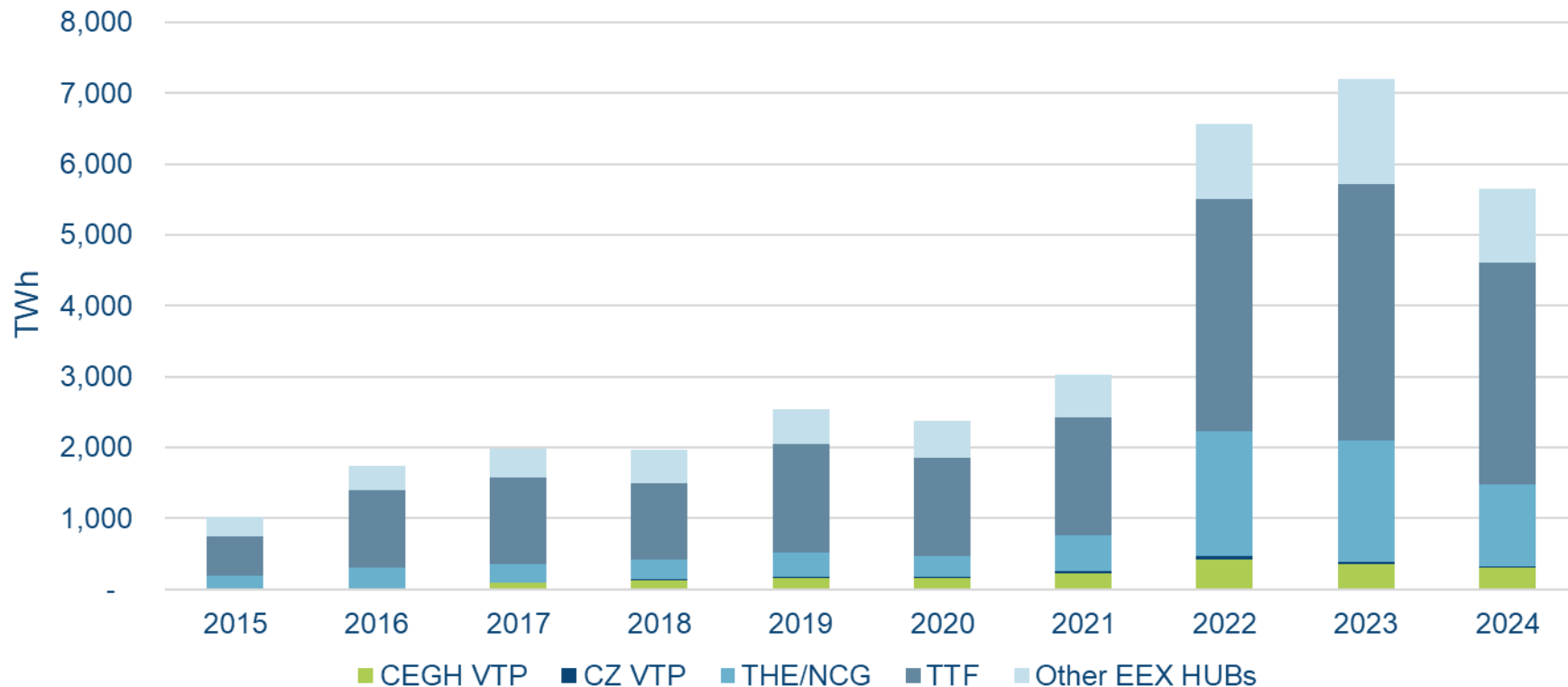
Spot, futures, options, OTF, time spread, location spread

+North America

Nodal Exchange offers futures contracts at Henry Hub

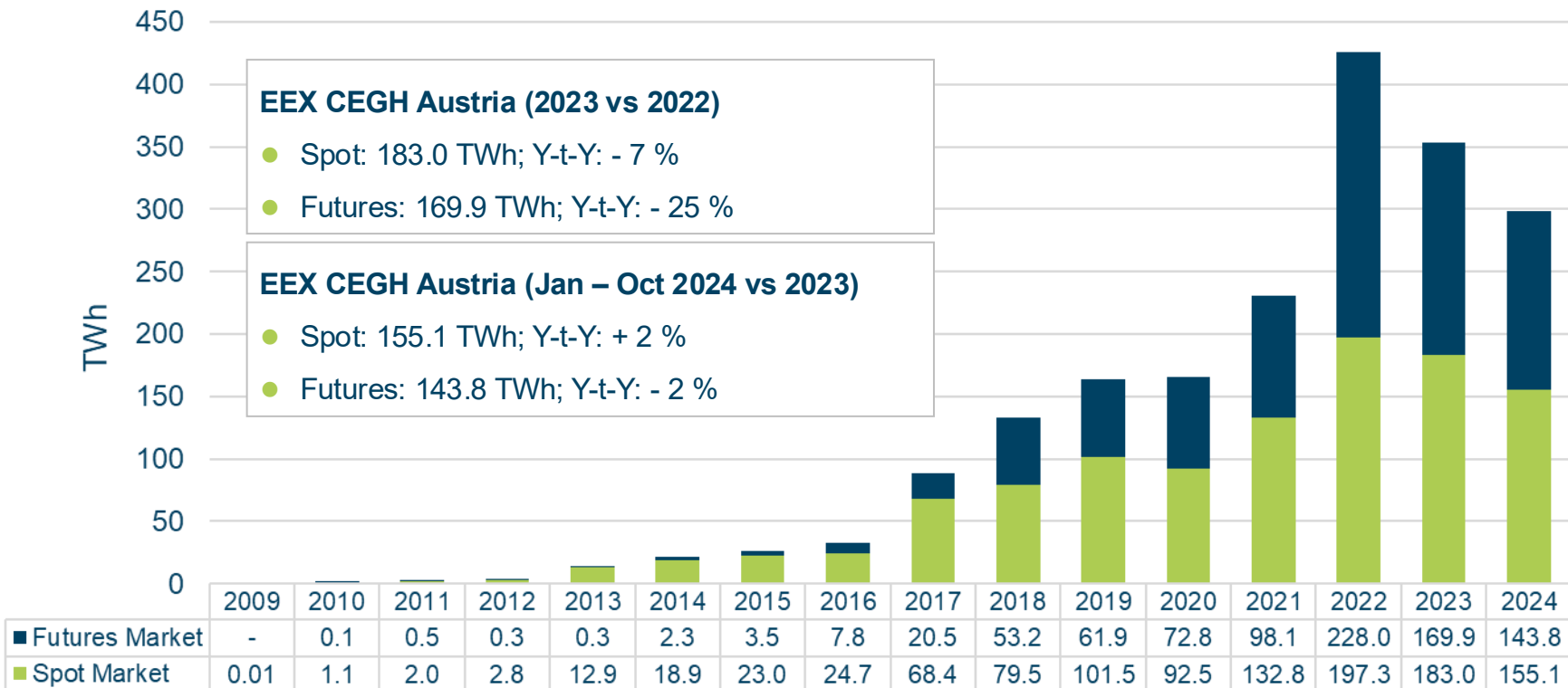
EEX Group Natural Gas Trading Volumes

Yearly Trading Volumes: January 2015 – October 2024



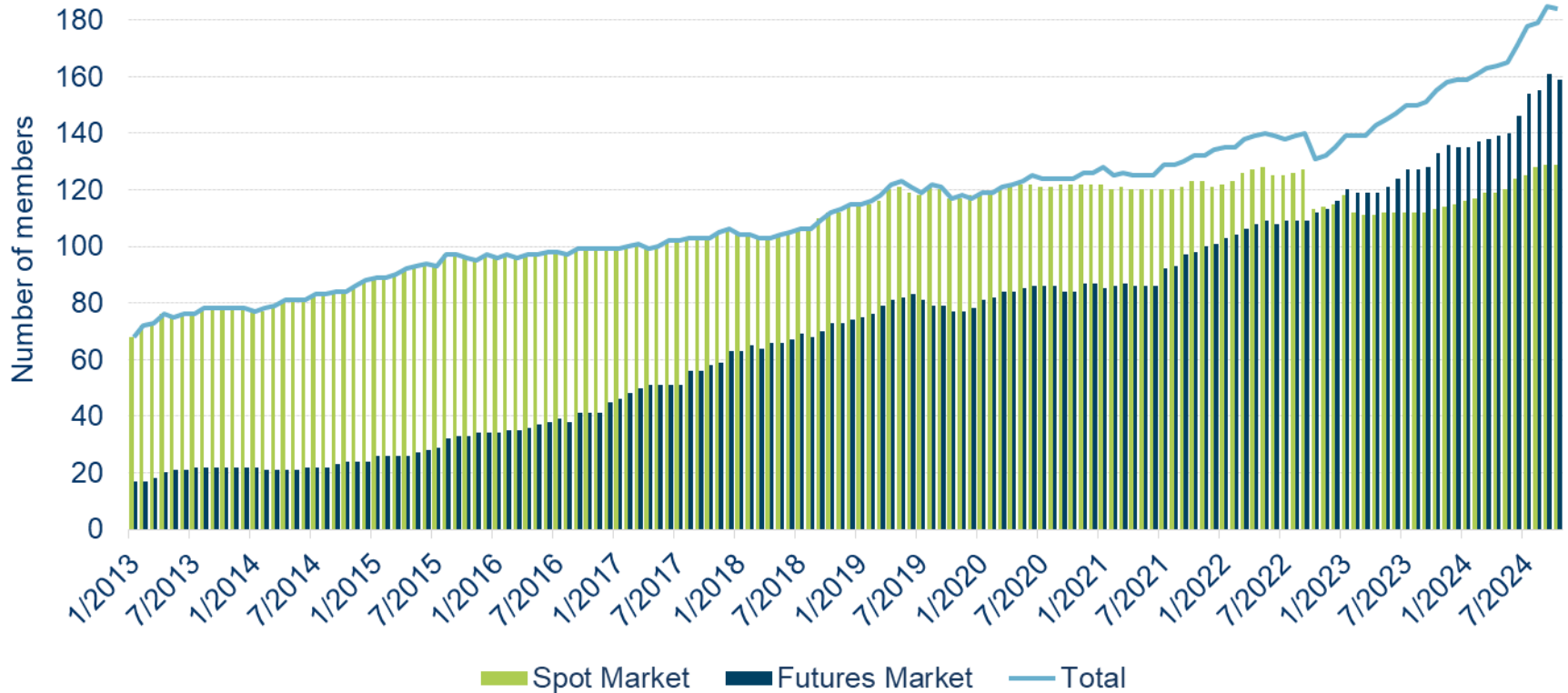
EEX CEGH Austrian Gas Market

Yearly Trading Volumes: January 2009 – October 2024



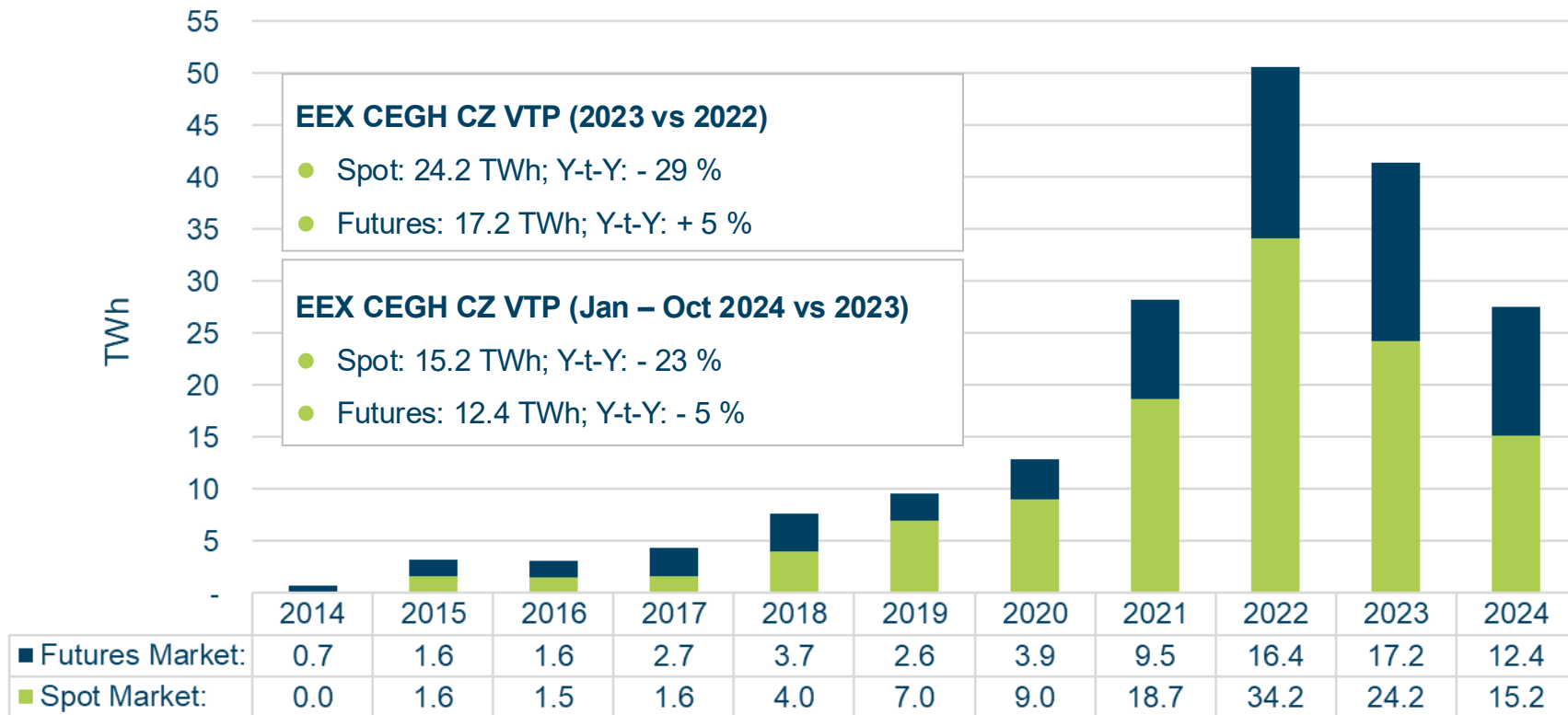
EEX CEGH Austrian Gas Market

Development of Members: January 2013 – October 2024



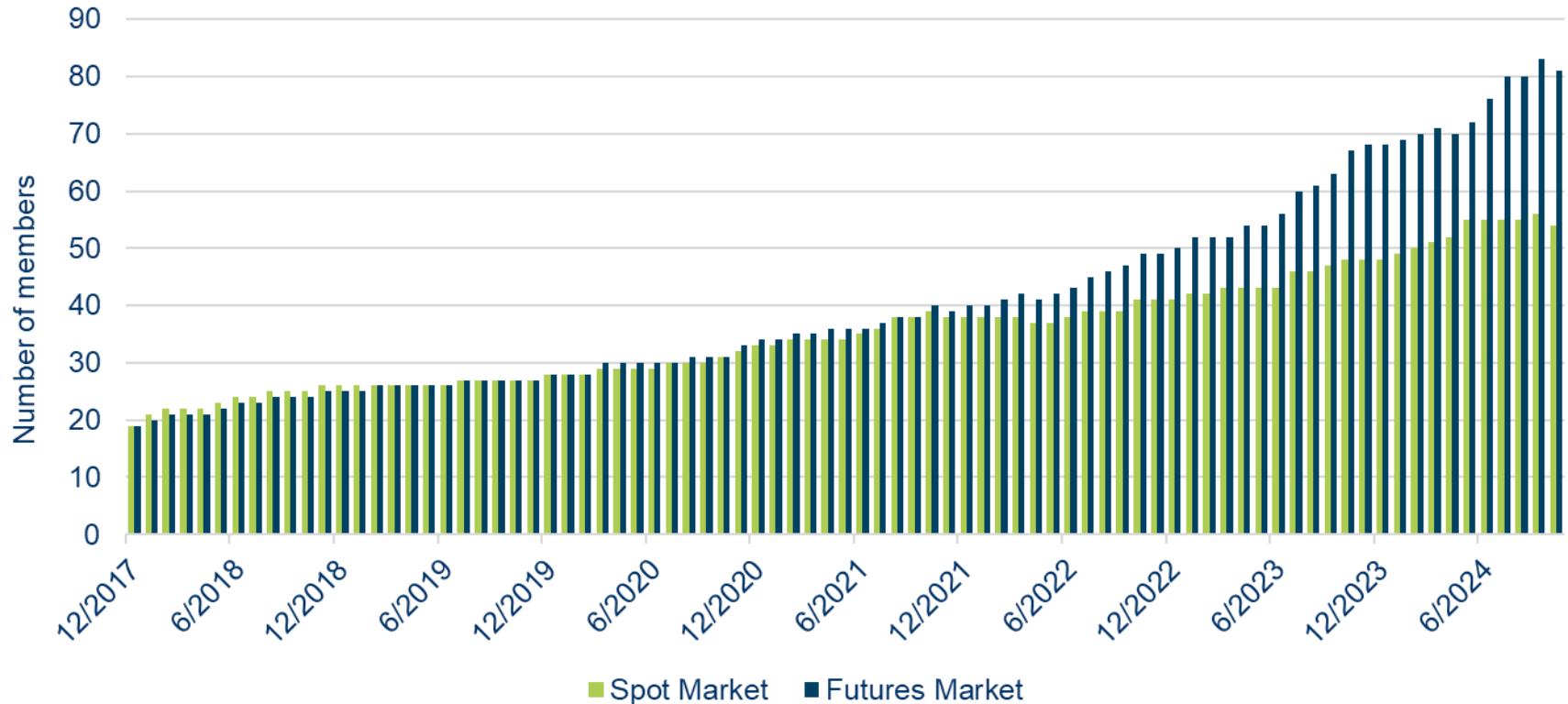
EEX CEGH Czech VTP Gas Market

Yearly Trading Volumes: February 2014 – October 2024



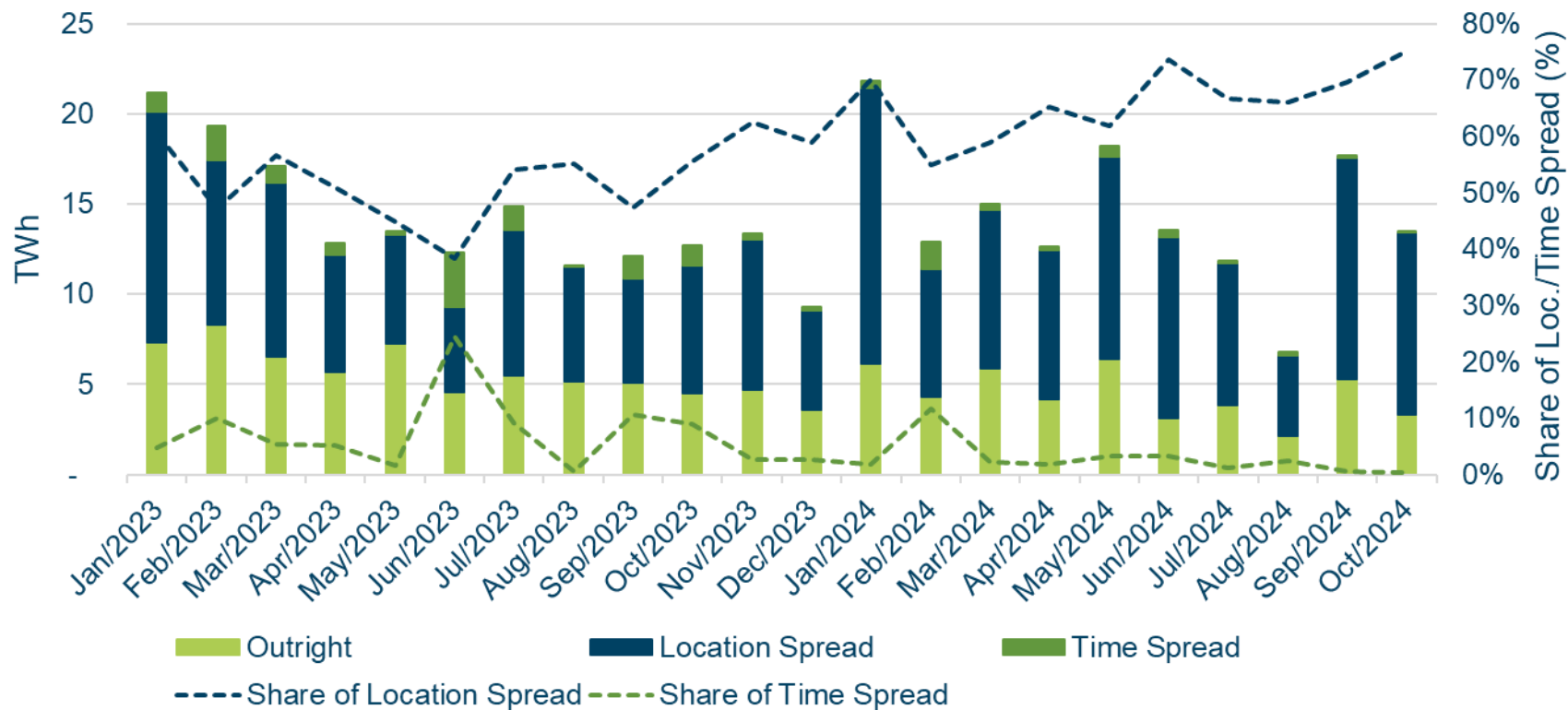
EEX CEGH Czech VTP Gas Market

Development of Members: December 2017 – October 2024



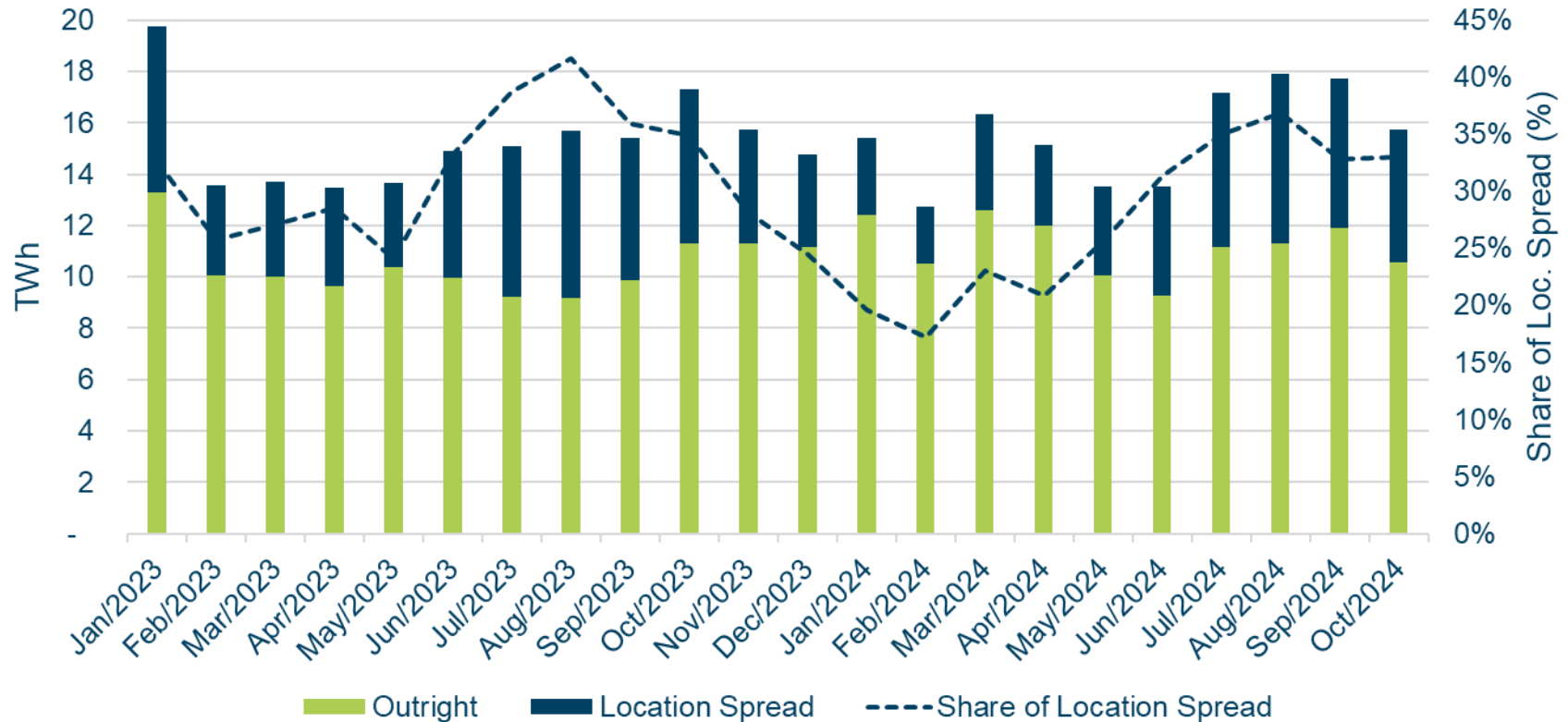
EEX CEGH Austrian Futures Market

Types and Share of Spread Trading



EEX CEGH Austrian Spot Market

Types and Share of Spread Trading

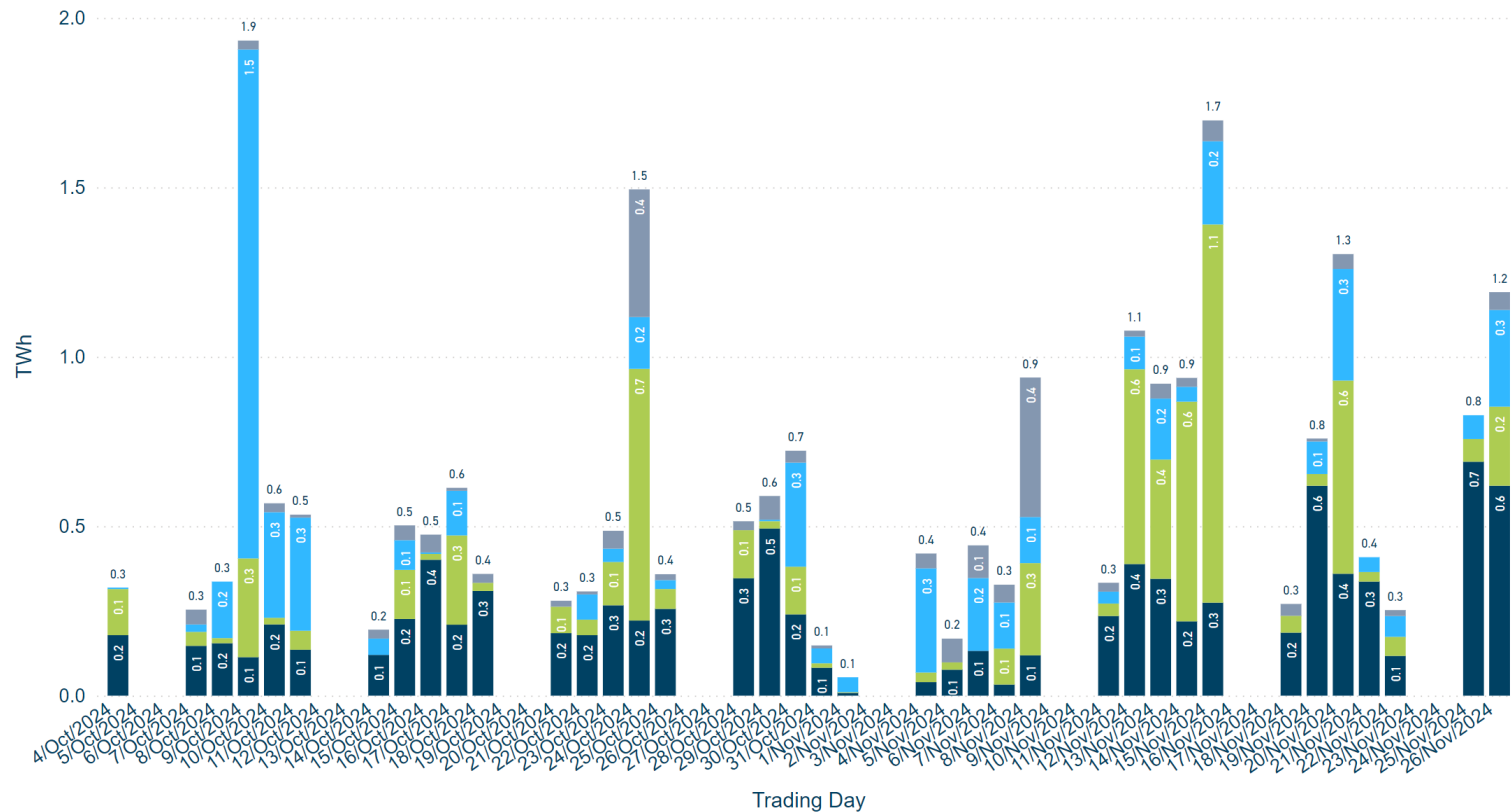


EEX CEGH Futures Market

Daily Traded Volumes



Futures Contract ● Month ● Quarter ● Season ● Calendar



EEX Financial Gas Futures (EGSI)

June 2021 – October 2024



EEX and ECC Recent & Upcoming Developments



For more details, please reach out to us

- **Jan 2024:** Introduced new volume rebates for gas derivatives (all hubs), to standardize further and ensure equal/fair treatment; any member trading a combination of hubs, with more than 4 TWh/month (excluding free legs) receives rebates, as published in price list.
- **April 2024:** JKM/LNG (\$TTF) launch - extended product offering on gas derivatives, financially settled EEX TTF Natural Gas Month (\$/MMBtu) Futures.
- **April 2024:** Changed ISINs of CEGH VTP futures products.
- **June 2024:** Frontend / interface prices increased slightly.
- **Oct 2024:** EEX Paris (PWX) ftp server was shut down, all data are available on EEX Group DataSource server and/or APIs.
- **Nov 2024:** Launch LNG Freight futures
- **Dec 2024:** Launch GO Futures

Exchange Upcoming Developments 2024/25



- **Nov 2024:** Introduction of a new price list, with new Volume Rebate Schemes for Power & Gas on **transaction fees** for spot and futures. *(Effective from 01.01.2025).*

Spot	Rebate rates	Futures (OTF)	Rebate rates
Up to 8 TWh	0%	Up to 4 TWh	0%
8 TWh–10 TWh	40%	4 TWh–8 TWh	30%
10 TWh–12 TWh	50%	8 TWh–12TWh	40%
12 TWh–14 TWh	60%	Above 12TWh	50%
Above 14 TWh	70%	-	-

- Comeback on **EGSI Futures** with an uptick of >2TWh in 2024 (mainly on TTF).
- German Storage Fee (Gasspeicherumlage), abolishment (transit) **gas fee still pending**.
- Launch of spot and futures contracts for Lithuania, Finland, and Latvia-Estonia under EEX license and with ECC clearing by Tuesday **27 May 2025**

- Welcome & Introduction
- Update on CEGH VTP Operations
- News on EEX CEGH Gas Exchange
- **CEGH GreenGas Platform**
- CEGH GreenHydrogen Index



Natural Gas

Gas trading places in Austria and in CEE:

- CEGH-VTP: benchmark hub for CEE region
- EEX CEGH Gas exchange markets in Austria and in the Czech Republic

Biomethane

Development of biomethane markets:

- CEGH GreenGas Platform
- EFET CEGH Standard Contract for Biomethane Certificates

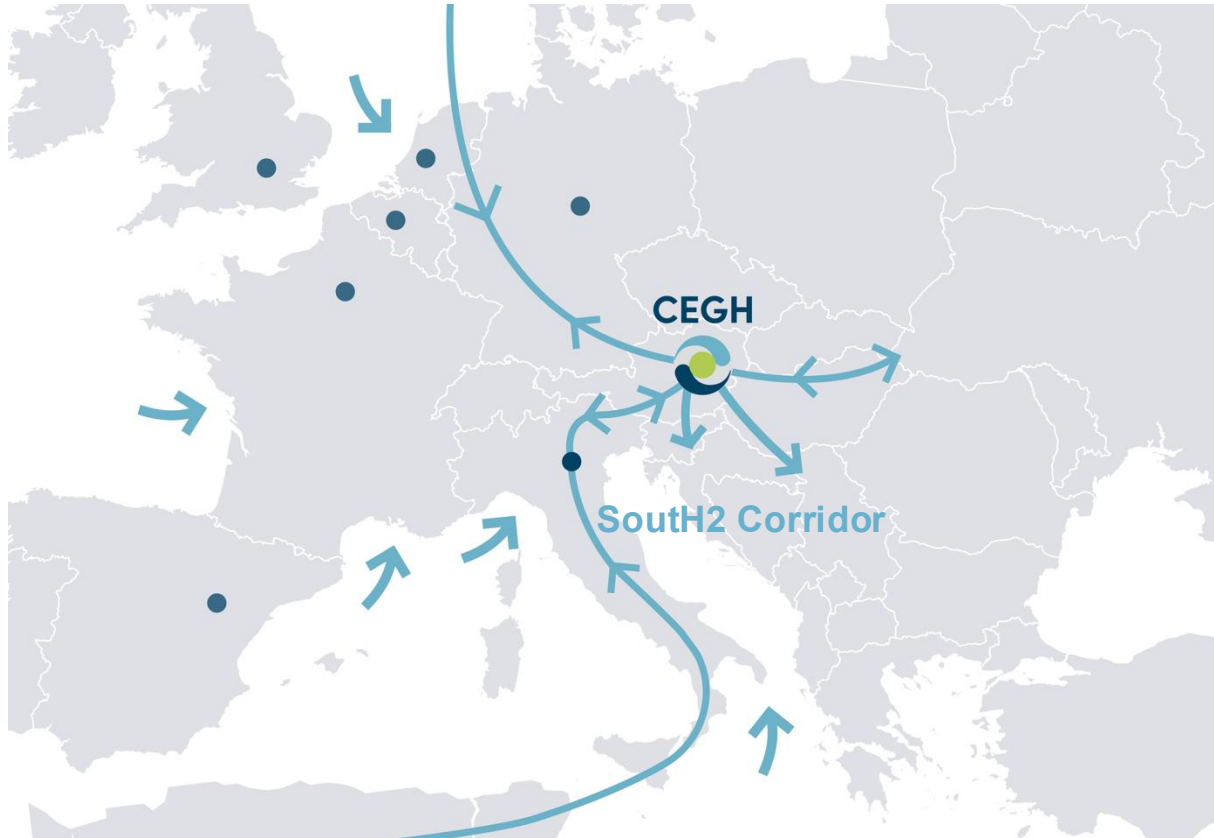
Green Hydrogen

Development of hydrogen markets:

- CEGH GreenHydrogen Index
- Build-up of future hydrogen markets

CEGH: The Gas & H2 gateway between East and West

within Europe's hub landscape

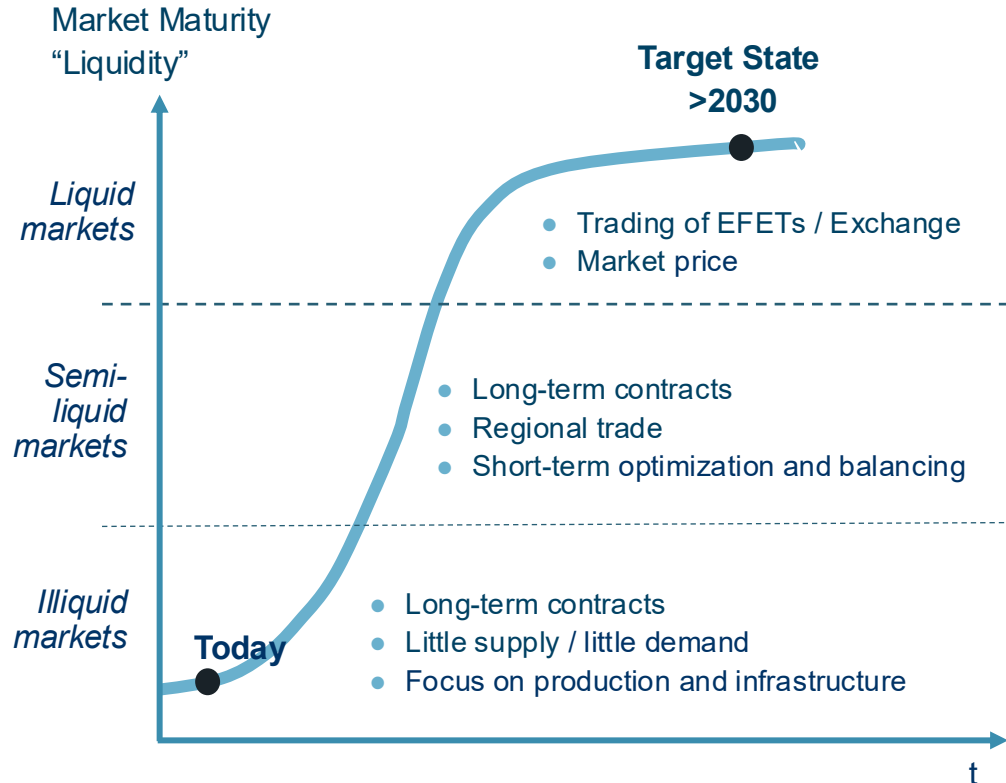


CEGHs Advantages:

- Strategic location
- Gas transit routes
- Storage facilities
- Demand centers

Development of Liquidity - Green Hydrogen Markets

Different Instruments in different Market Maturity Stages



Green hydrogen / GOs of green hydrogen

Useful trading instruments to be offered:

- Exchange (financial Clearing / Clearinghouse)
- Platform based trading (Broker)
- Balancing instruments
- Standardized contracts (EFET)
- Build-up of institutional & regulatory requirements
- Price Information & Transparency
- Auction- / Bulletin-Board / "Physical" Services

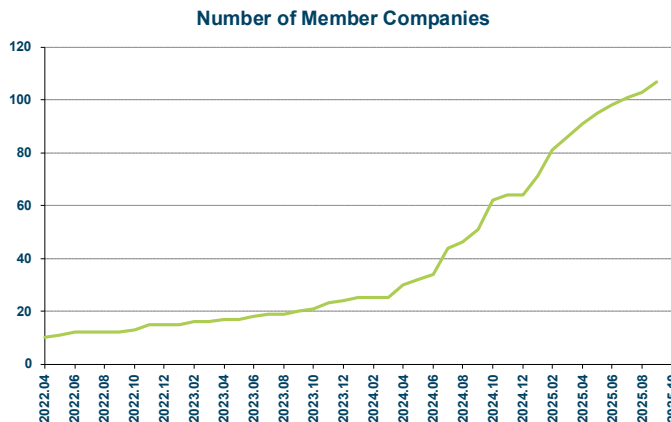
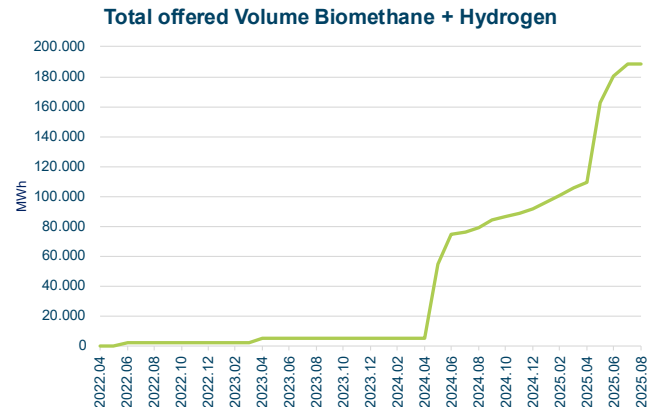
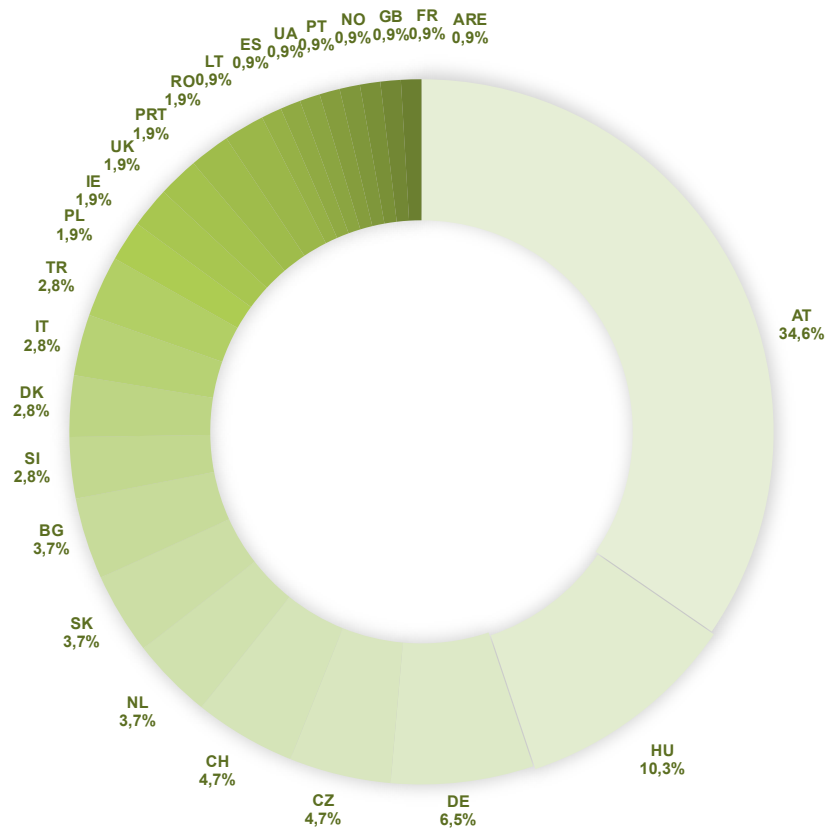
CEGH GreenGas Platform – Pioneering trading of Biomethane and Green Hydrogen

- **CEGH GreenGas Platform** for **marketing of green gases**, such as **biomethane** and **green hydrogen**, in EU and selected additional countries (Norway, Turkey, Ukraine, Switzerland and United Kingdom)
- Development of the **CEGH GreenGas Platform** based on market feedback to meet the current needs and wishes
- Launched in **April 2022** for **biomethane** and in **January 2025** for **green hydrogen**
- **Gradual expansion** and further development envisaged
- **Functionalities of CEGH GreenGas Platform** will be expanded alongside the evolving green gas market
- CEGH offers its **CEGH GreenGas Platform** free of charge

CEGH GreenGas Platform: Number & Origin of Members



September 2025: 107 Members from 25 countries



CEGH GreenGas Platform – Green Hydrogen

Easy Access to Trading Green Hydrogen/Certificates/Guarantees of Origin (GOs)



- CEGH GreenGas Platform enables **trading of certificates / GOs or bundled certificates / GOs together with green hydrogen** or green hydrogen without certificates / GOs
- Offers and requests can be posted **anonymously** (optional) for EU and select countries, with or without registry
- Information exchange via **chat function**
- Launching as "**bulletin board**" and as "**auction**".
- With the launch of the platform in January 2025, **the first two platform based Green Hydrogen offers ever became available!**

18 DAYS, 22 HOURS, 57 MINUTES LEFT TO BID

Ask

Minimum price
-- € / kg

Publication date: 05.02.2025 08:00
Offer ID: 972

Hydrogen

Product
Hydrogen with Guarantees of Origin
Registry / Certificate / Country of Origin
no Register / CMS70 Green Hydrogen / Austria
Bidding period
05.02.2025 09:00 - 24.02.2025 08:00

Quality
ISO 14687:2019

Volume
300 kg

Delivery period
11.02.25 06:00 - 27.02.25 06:00

Production period
02.25 - 02.25

Subsidy
No

Carbon Intensity
gCO₂eq/MJ

Volume
kg
300

Transfer date

OPEN FOR BIDDING UNTIL REVOKED

Ask

Minimum price
-- € / kg

Publication date: 20.02.2025 00:00
Offer ID: 1012

Hydrogen

Product
Hydrogen with Guarantees of Origin
Registry / Certificate / Country of Origin
no Register / RFNBO / Austria
Bidding period
until revoked

Quality
other

Volume
17,200 kg

Delivery period
01.03.25 06:00 - 31.12.25 06:00

Production period
03.25 - 12.25

Subsidy
No

Carbon Intensity
gCO₂eq/MJ
0

Volume
kg
17,200

Transfer date

CEGH GreenGas Platform



Interested persons or companies

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

Platform Users

- publishing bids / asks
- informing all registered platform users by using the CEGH GreenGas Platform
- collecting bids and signing transaction bilaterally

CEGH

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



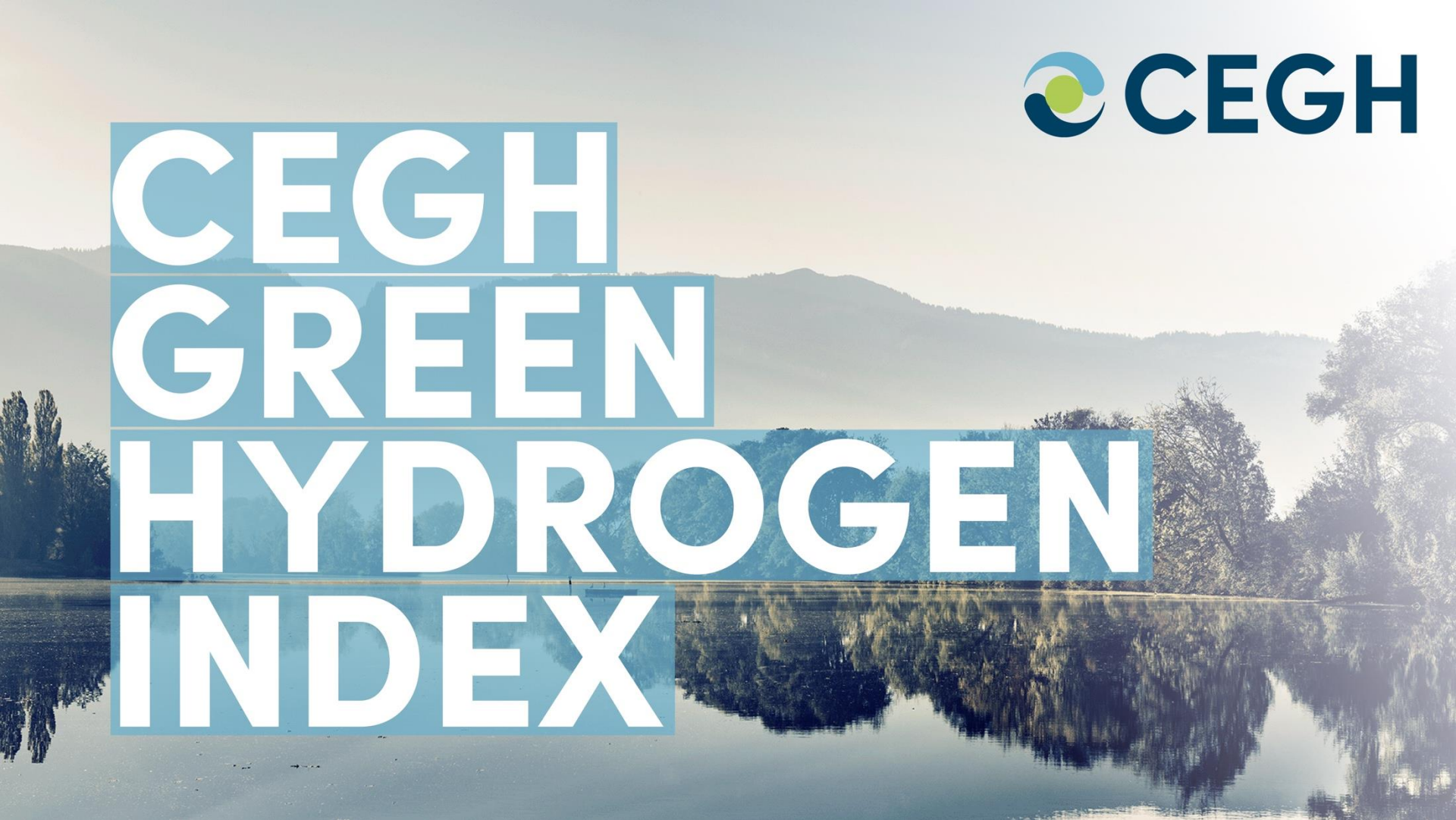
The conclusion of a contract for the offered products is subject to discretion of the company offering or requesting this product.

CEGH GreenGas Platform short-listed in the EBA Inspiration Challenge 2025



- The **European Biogas Association (EBA)** presents an award as part of the **EBA Inspiration Challenge** during European Biomethane Week.
- The **CEGH GreenGas Platform** has been shortlisted as one of five finalists.
- Finalists will give a short presentation at the Biomethane Week in Brussels. The winner of the Inspiration Challenge will be determined by audience voting during the conference.

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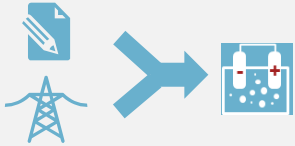
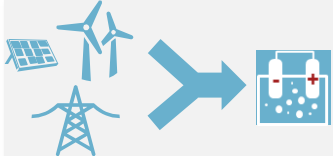


CEGH GREEN HYDROGEN INDEX

CEGH GreenHydrogen Indices (since Dec 2022)

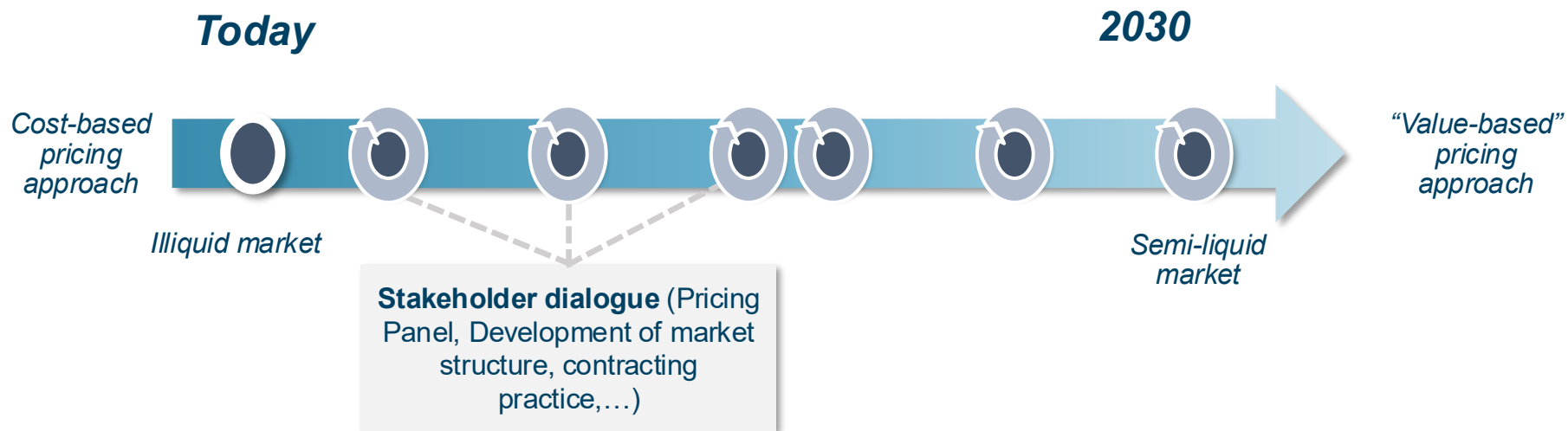
Measuring the Value of the Various “Shades” of Green Hydrogen



Index	Green Power Supply for Hydrogen Production	Product Definition
CEGH GreenHydrogen Spot Index	 - Sourcing of “grey” power in the day-ahead market - Sourcing of guarantees of origin via exchange / platforms	Cheapest Day-ahead power prices optimized with a yearly hPfc
CEGH GreenHydrogen Forward Index	 - Sourcing of “grey” power in forward markets - Sourcing of guarantees of origin via exchange / platforms	Cheapest Monthly, Quarterly, Seasonal and Yearly power prices optimized with yearly hPfc
CEGH GreenHydrogen PPA 40 Index	 40% of green power (PPA) and 60% “grey” power (forward) - Sourcing of guarantees of origin via exchange / platforms	Combination of 10 Years PPA and Optimized Grid Supply
CEGH GreenHydrogen Index	 100% sourcing of green power via power purchase agreements (renewable PPA)	10 Years PPA Pay as Produced

Continuous Alignment of Index Design

- Ongoing Stakeholder Dialogue ensures continuous Alignment of Index Design to evolving Hydrogen Market



CEGH GreenHydrogen Index on www.CEGH.at



CEGH VTP Market Exchange Market **GreenGas Market** Application Services About us News EN

CEGH GreenGas Platform
CEGH GreenHydrogen Index
CEGH GreenHydrogen Index Specification
EFET CEGH Biogas Certificates Standard Agreement

Publication date: 28.04.2025

EUR/MWh EUR/kg download.CSV

CEGH GreenHydrogen Index

Delivery Period	EUR/MWh
10-Year PPA Pay-as-Produced	148.662

Based on 100% power purchase agreement (PPA) supply, compliant with the Delegated Act, RED II.
MWh High Heating Value

CEGH GreenHydrogen PPA 40 Index

Delivery Period	EUR/MWh
10-Year Pay-as-Produced	151.648

Based on power supply, not compliant with the Delegated Act, RED II.
MWh High Heating Value

CEGH GreenHydrogen Spot Index

Delivery Period	EUR/MWh
28-Apr-2025	157.531

Based on power supply, not compliant with the Delegated Act, RED II.
MWh High Heating Value

➤ New **slide button** to switch from **EUR/MWh(hhv)** to **EUR/kg**

➤ **Access** to CEGH GreenHydrogen Index and Specification:

<https://www.cegh.at/en/greengas/cegh-greenhydrogen-index/>





**THANK
YOU FOR
YOUR
ATTENTION**

Q&A Session

