

Today's Agenda



12:30	Welcome Coffee		
13:30	CEGH-Updates on - CEGH VTP - EEX CEGH Exchange - Green Gas Projects		
14:00	Update on EEX environmental products: GO trading and French Biogas auctions <i>Aude Filippi, EEX</i>		
14:15	The future of gas trading in the Baltic – Finnish markets Gintaras Buzkys / Get Baltic		
14:30	Coffee Break		
15:00	15 Years of Gas Exchange in Austria with special guests: Erich Holzer / OMV Steffen Köhler / EEX Wolfgang Urbantschitsch / E-Control Austria		

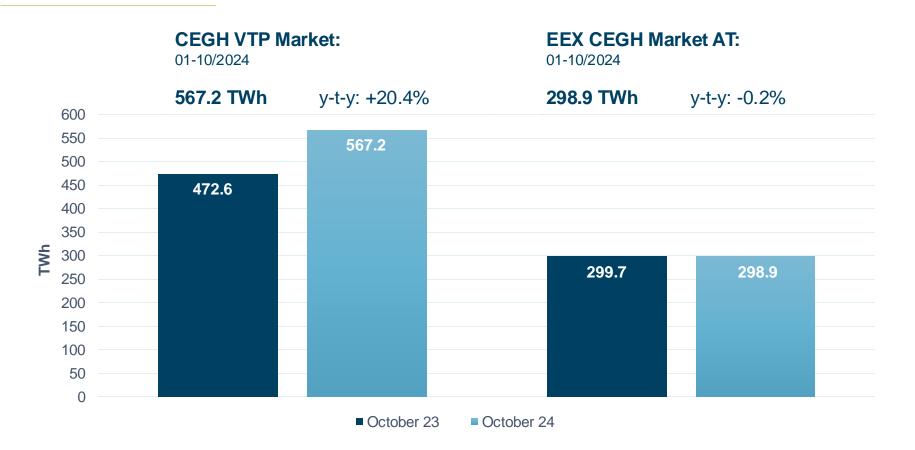
CEGH at a Glance



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

CEGH Volumes 01-10/2024



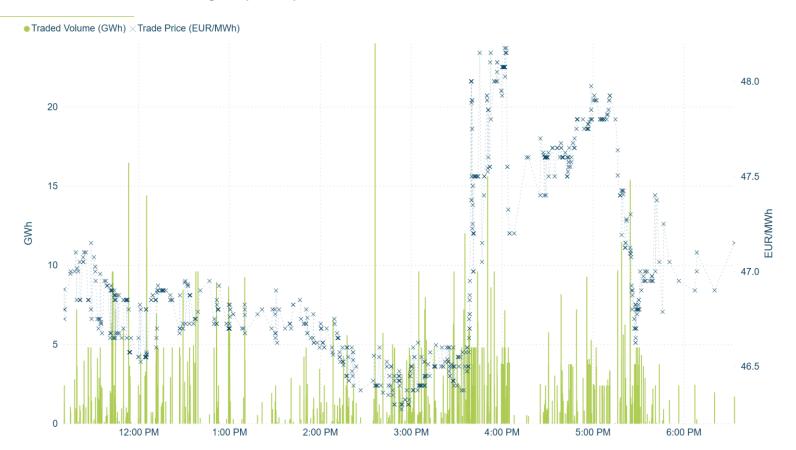


EEX CEGH Spot Trade Prices and Volumes





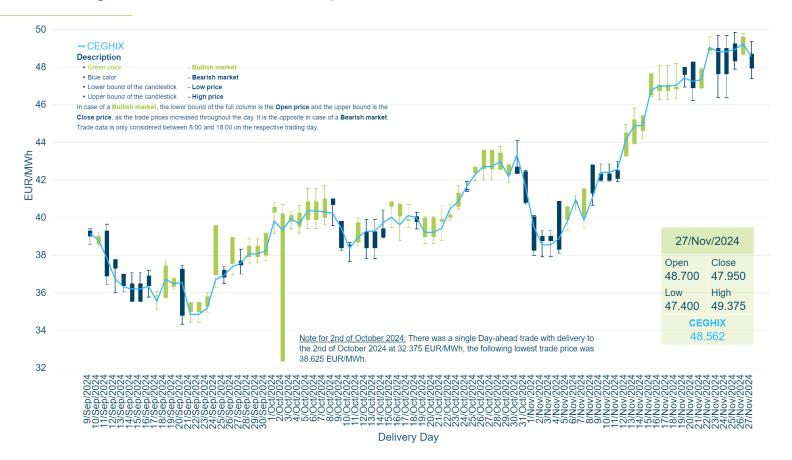
15th November 2024 trading day; Day-ahead and Weekend contracts



EEX CEGH Spot Prices

Open-Low-High-Close and CEGHIX Spot Index





EEX CEGH Futures Prices





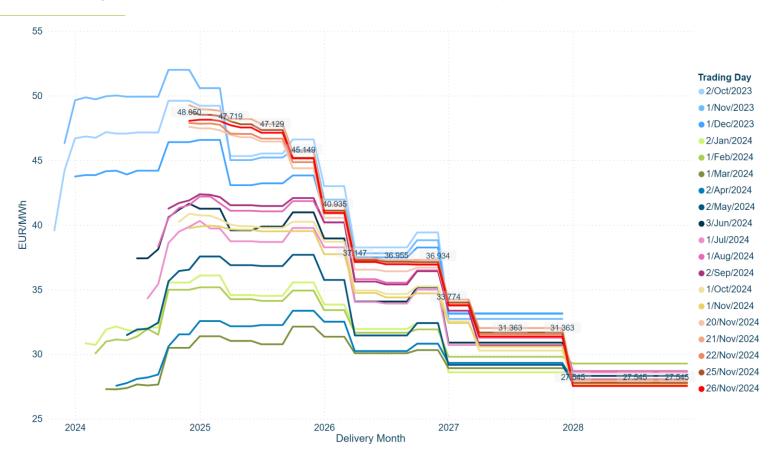
Daily Settlement Prices and WAVG CEGHIX since October 2023



EEX CEGH Futures Prices



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



European Natural Gas Spot Prices



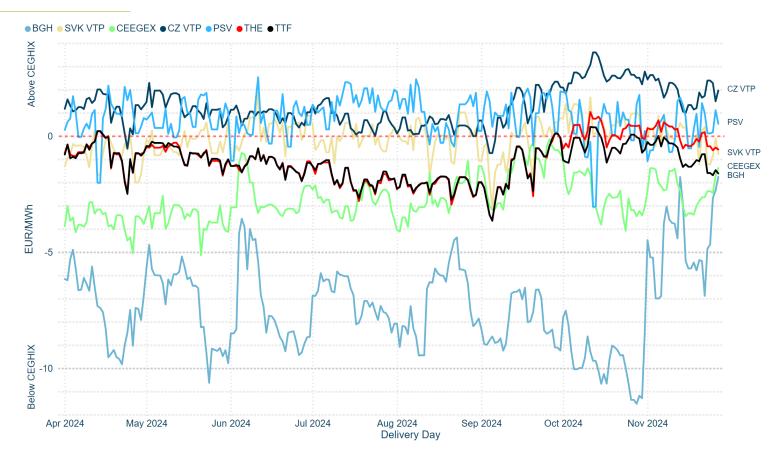
Since April 2024



European Natural Gas Spot Prices



Compared to CEGHIX; Since April 2024



CEGH at a Glance

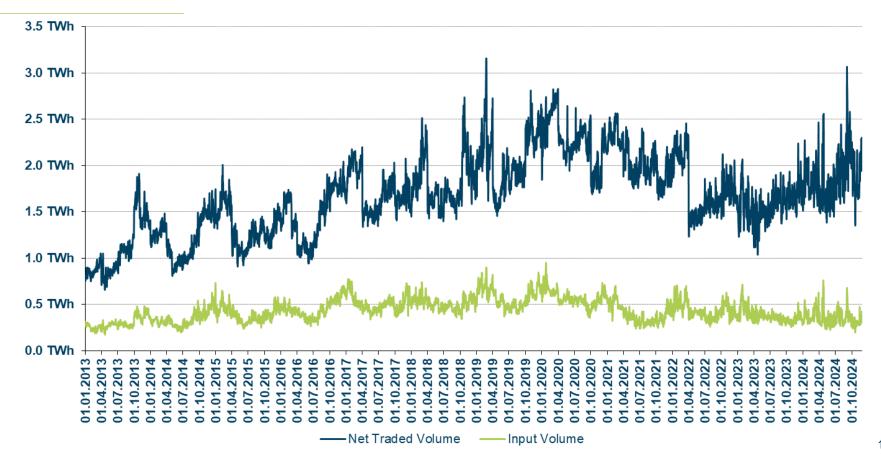


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CEGH VTP: Daily Net Traded Volume

© CEGH

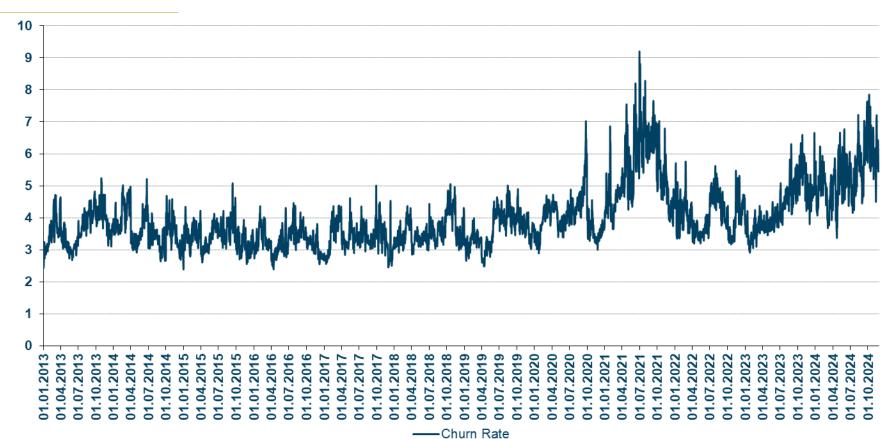
Since January 2013



CEGH VTP: Daily Churn Rate

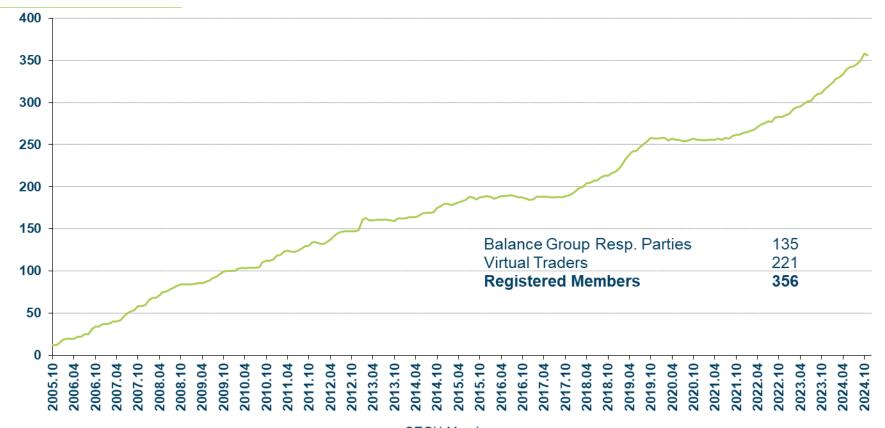
Since January 2013





CEGH VTP: Number of Registered Members

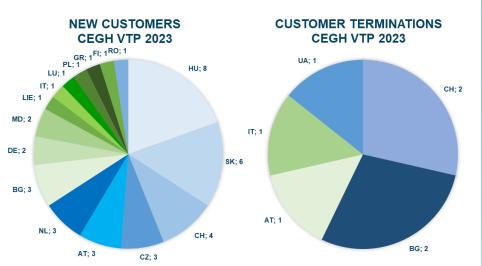




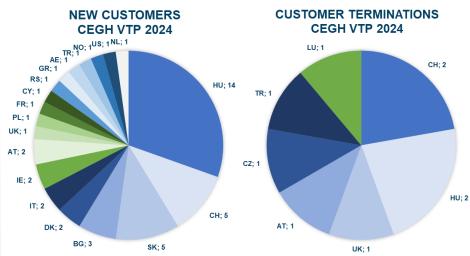
CEGH Customer Development



New members joining CEGH in 2023:
 41 new members and 7 member terminations
 resulting in 319 members in total at the end of the year.



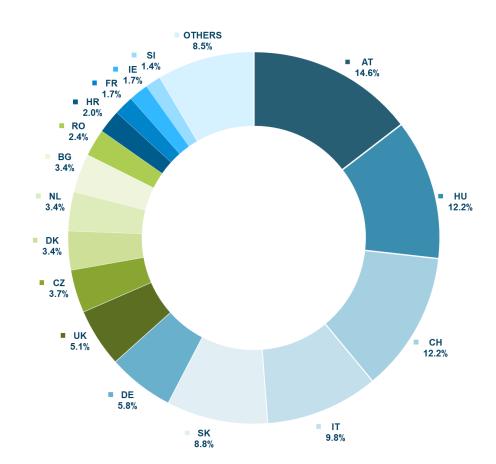
New members joining CEGH in 2024:
 46 new members and 9 member terminations
 resulting in 356 members in total in November 2024.



CEGH VTP: Number & Origin of Members



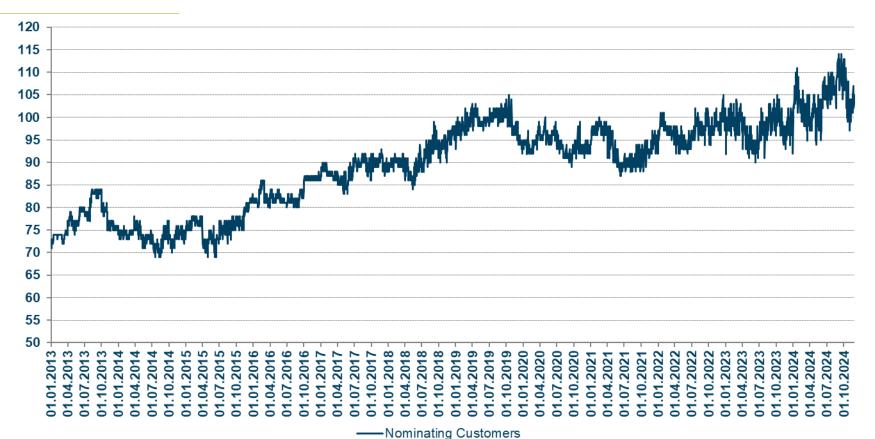
356 MembersNovember 2024



CEGH VTP: Nominating Customers on Daily Basis



Since January 2013



CEGH REMIT Platform

@CEGH

- 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

© CEGH

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



CEGH at a Glance



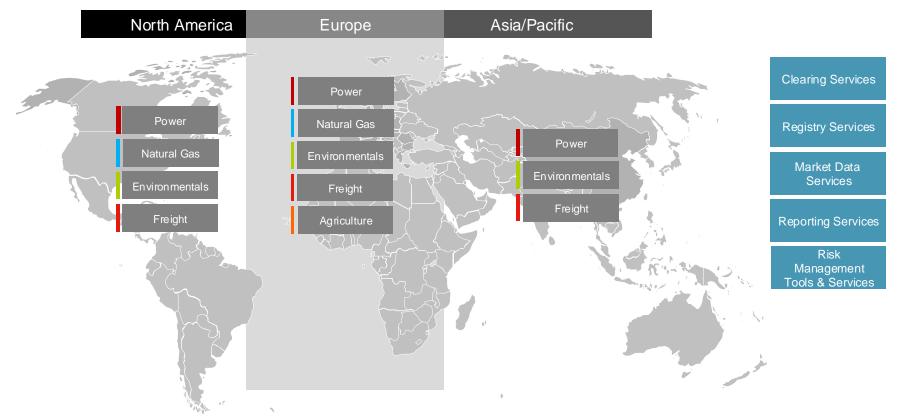
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EEX Commodity Exchange Trading

Power, Natural Gas and Environmentals







Trading at EEX AG





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

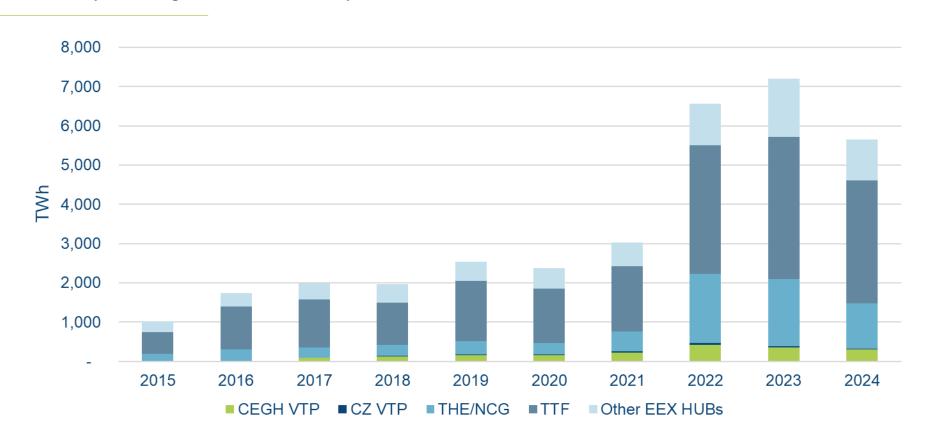
+North America

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



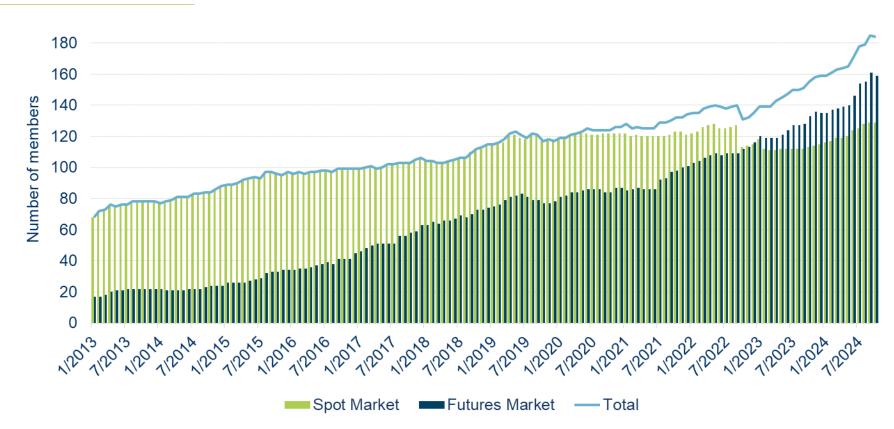
Yearly Trading Volumes: January 2009 – October 2024



EEX CEGH Austrian Gas Market



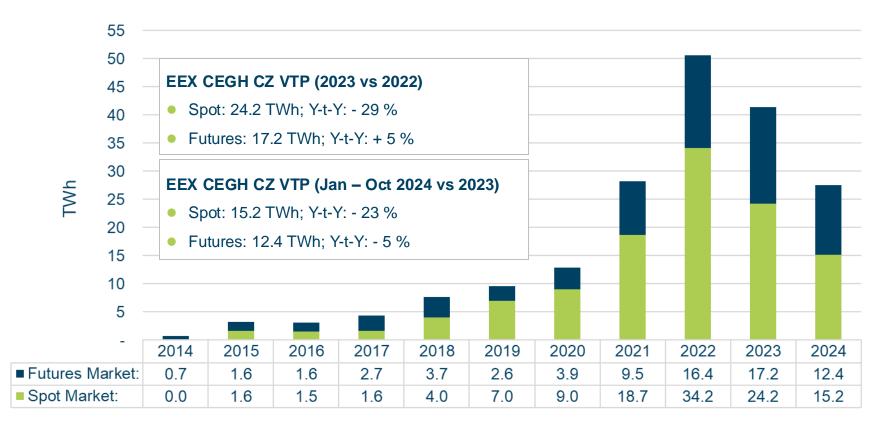
Development of Members: January 2013 – October 2024



EEX CEGH Czech VTP Gas Market



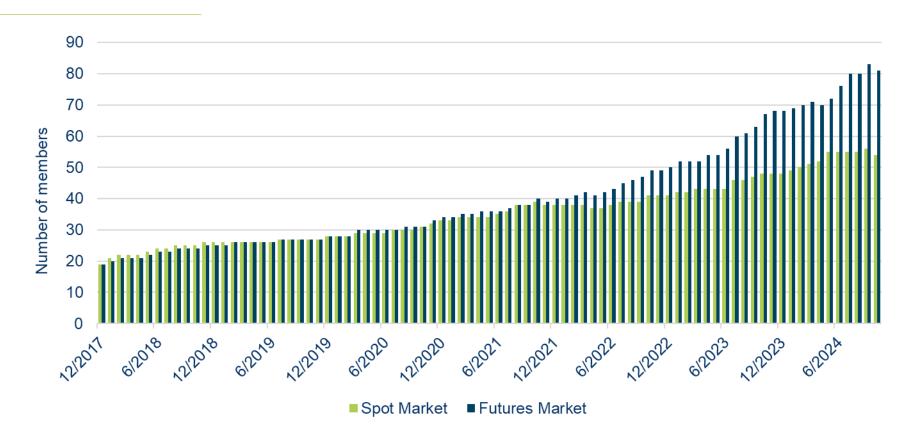
Yearly Trading Volumes: February 2014 – October 2024



EEX CEGH Czech VTP Gas Market



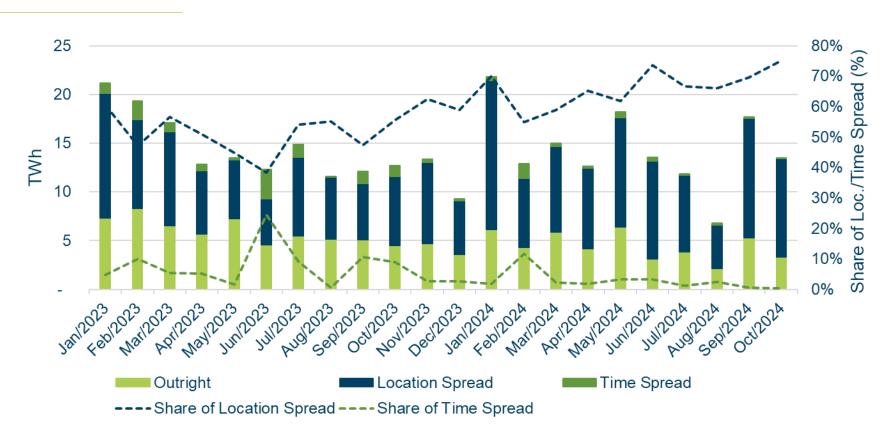
Development of Members: December 2017 – October 2024



EEX CEGH Austrian Futures Market



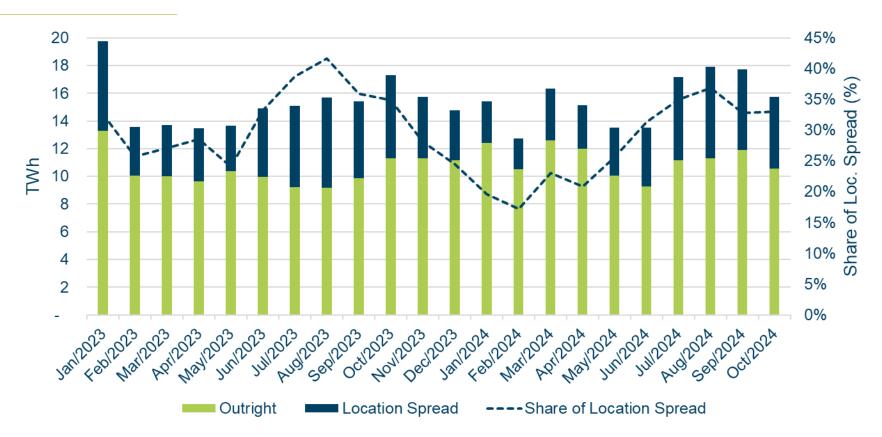
Types and Share of Spread Trading



EEX CEGH Austrian Spot Market



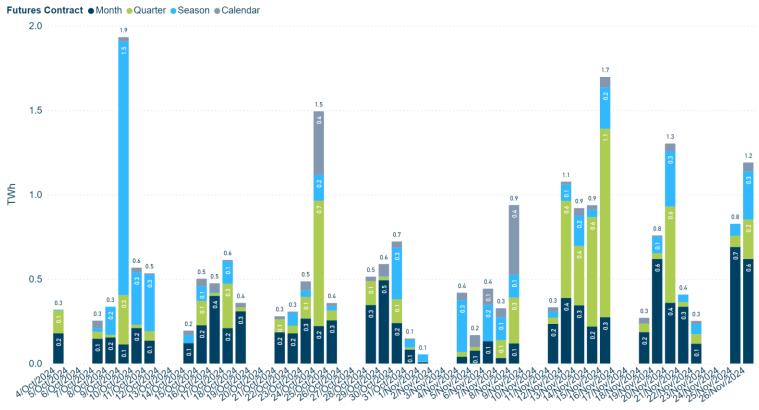
Types and Share of Spread Trading



EEX CEGH Futures Market

Daily Traded Volumes





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

CEGH at a Glance



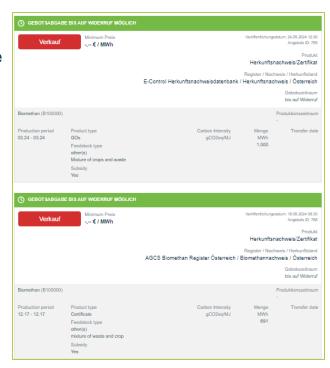
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CEGH GreenGas Platform



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

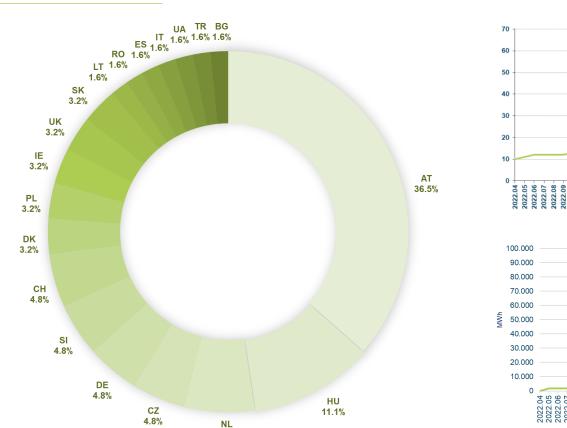
- Platform was developed closely with market participants.
- CEGH GreenGas Platform enables trading of certificates / GOs or bundled certificates / GOs together with biomethane, or biomethane without certificates / GOs
- Connected Registers:
 - Germany: DENA
 - Denmark: Energinet
 - Austria: E-Control, AGCS
- Offers and requests can be posted anonymously (optional) for EU and select countries, with or without registry.
- Create term sheet directly on the platform for easy contract negotiation.
- Launching as "bulletin board" and as "auction" based on market feedback
- Easy registration and newsletter function
- Potential for expansion to other countries and feature extensions



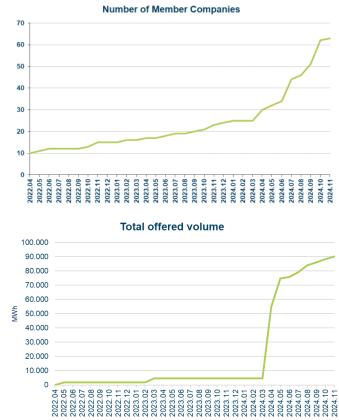
CEGH GreenGas Platform: Number & Origin of Members



November 2024: 63 registered Members from 19 Countries



6.3%



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.



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CEGH GreenHydrogen Indices (since Dec 2022)





Index

Green Power Supply for Hydrogen Production

Product Definition

CEGH GreenHydrogen Spot Index



- Sourcing of "grey" power in the dayahead 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

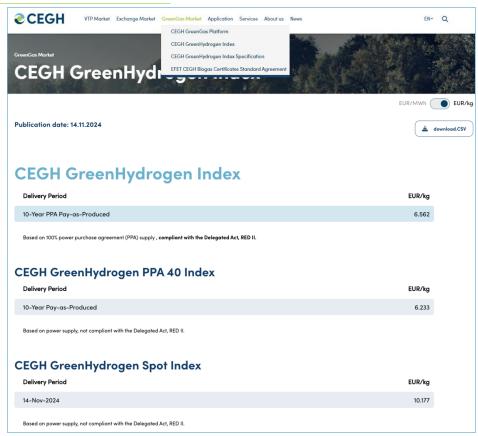
CEGH GreenHydrogen Index



100% sourcing of green power via power purchase agreements (renewable PPA)

10 Years PPA Pay as Produced





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/ceghgreenhydrogen-index/



CEGH GreenHydrogen Indices Price History



