



FIRST- CLASS GAS TRADING



- **About CEGH**
- CEGH VTP Operations
- EEX CEGH Gas Exchange
- CEGH GreenGas Platform
- CEGH GreenHydrogen Index

CEGH Volume Development 01-05/2023



CEGH VTP Market:

01-05/2023

227.2 TWh

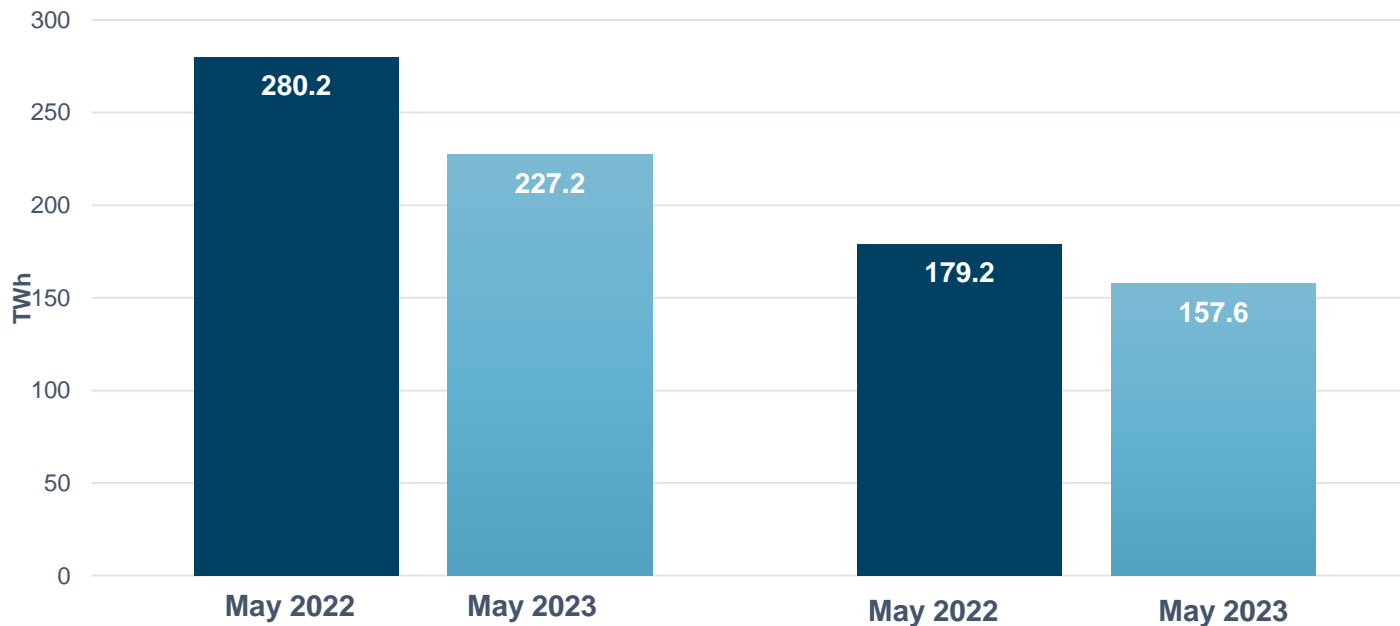
y-t-y: -18.9%

EEX CEGH Market AT:

01-05/2023

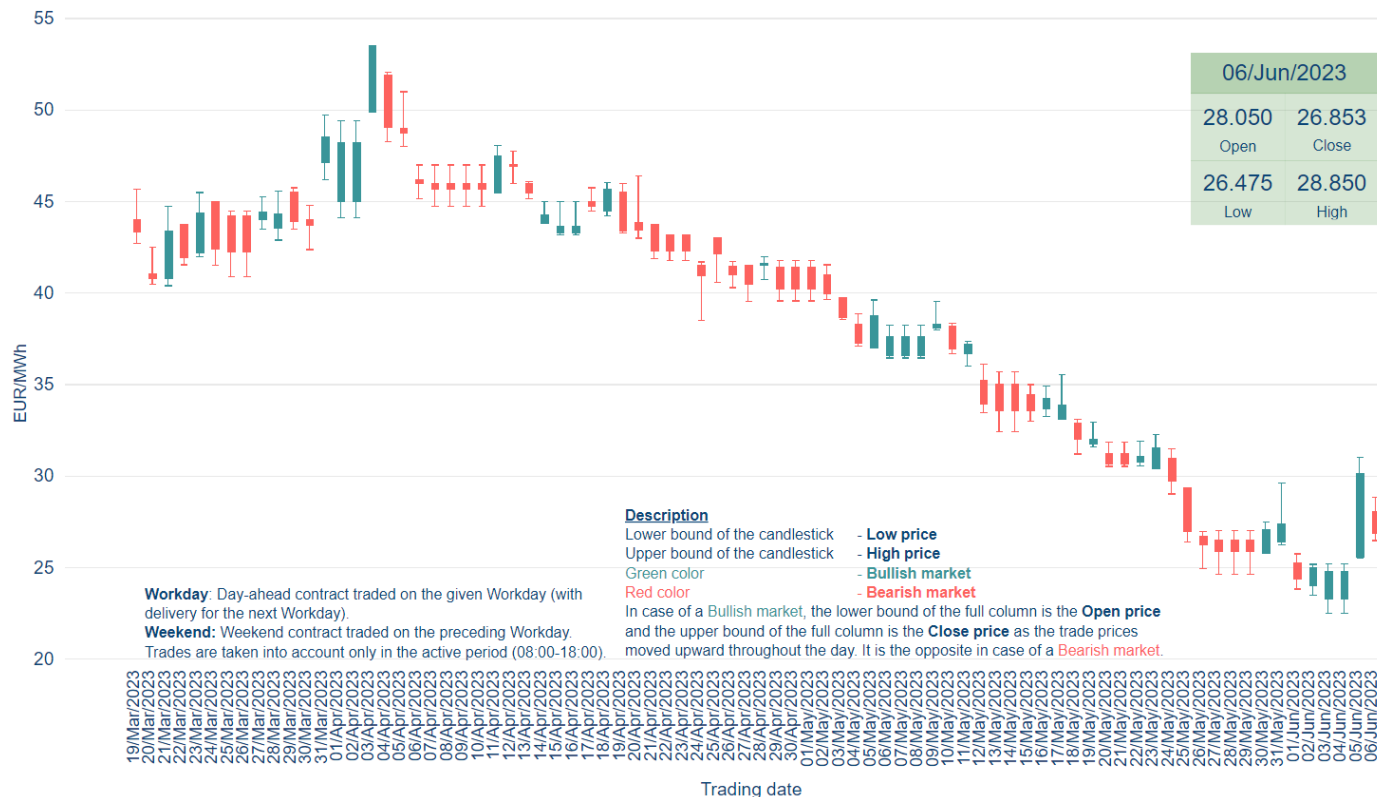
157.6 TWh

y-t-y: -12%



EEX CEGH DA/WE

Open-Low-High-Close Prices

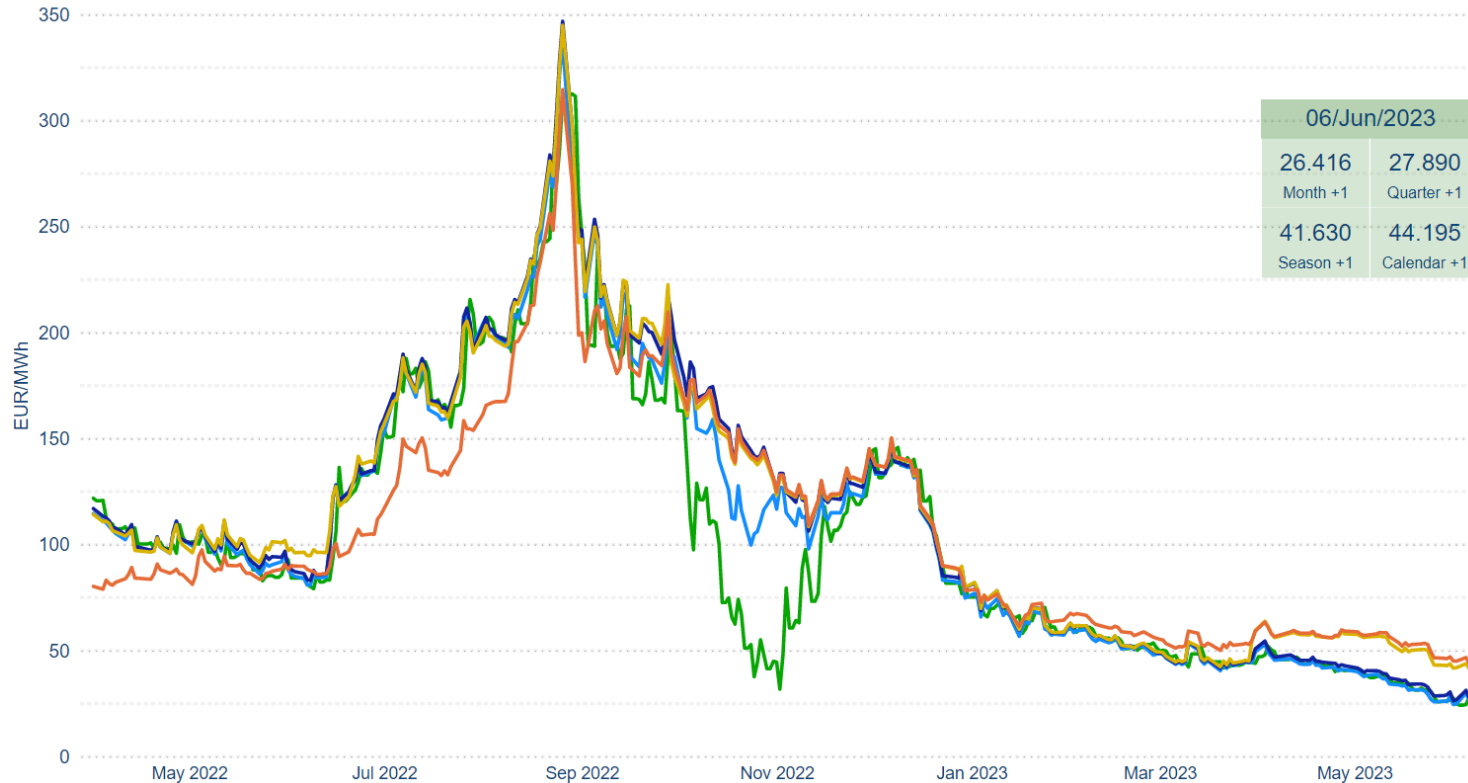


Historical EEX CEGH Prices

Spot and Futures Contract Prices

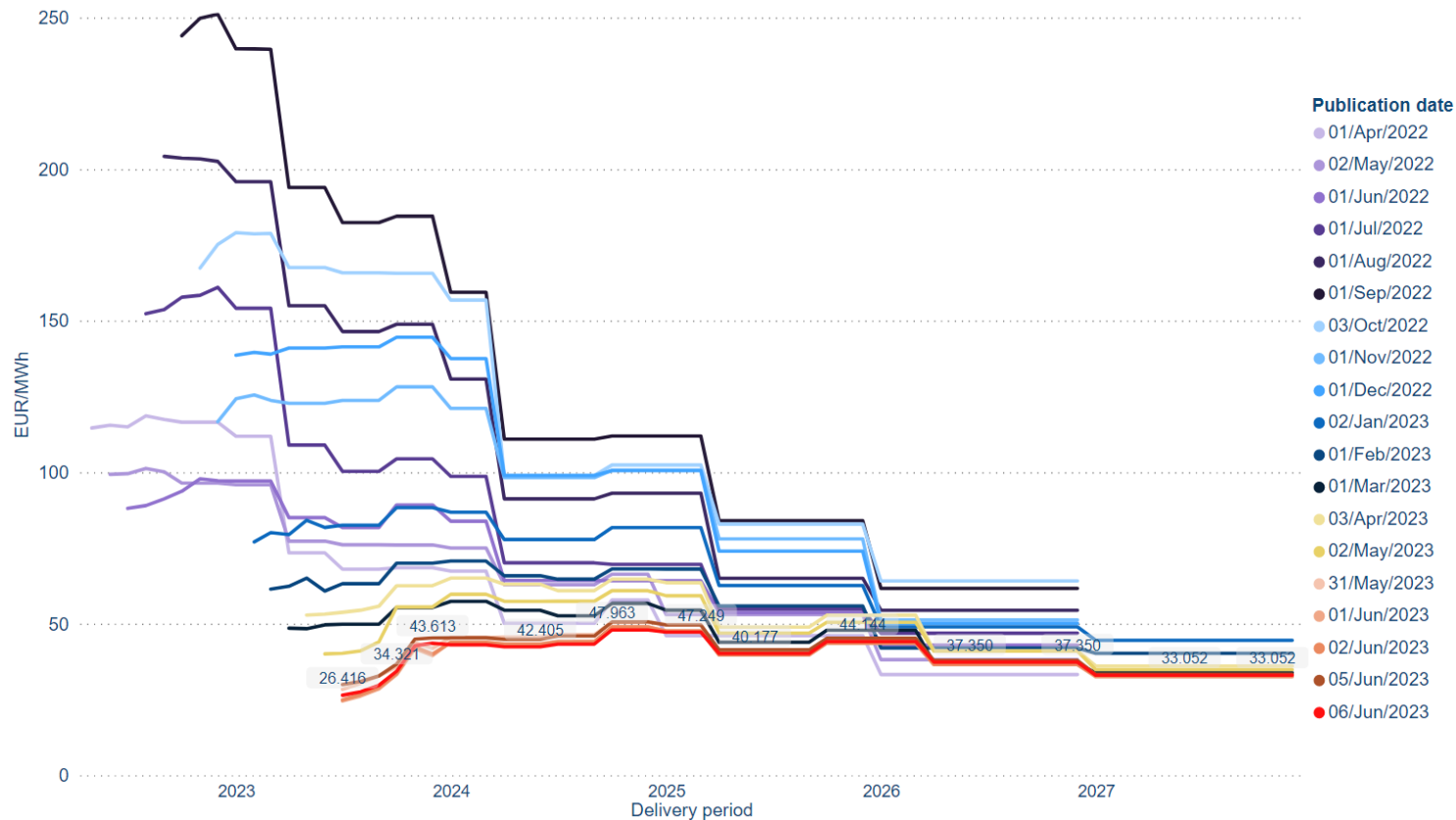


Maturity ● Day-ahead / Weekend ● Month +1 ● Quarter +1 ● Season +1 ● Calendar +1

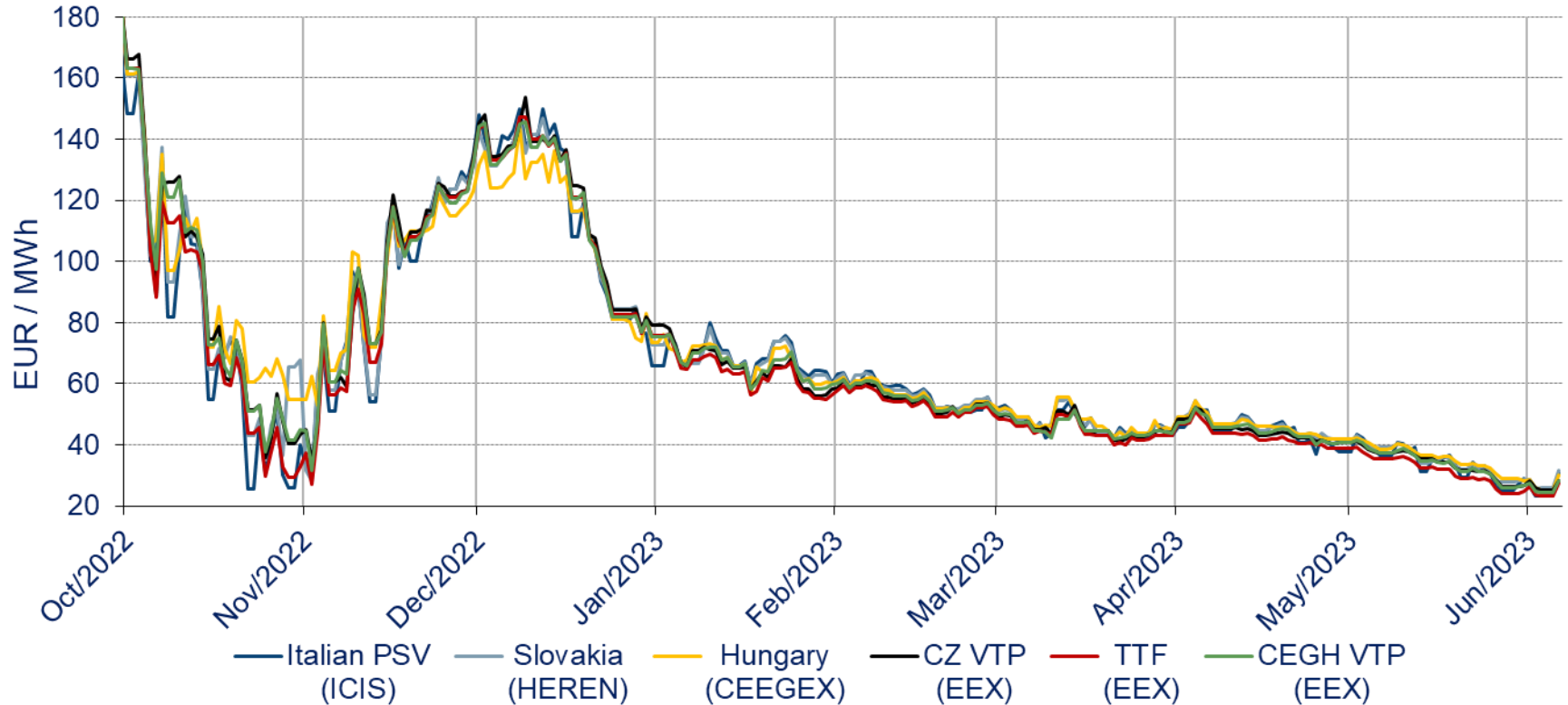


EEX CEGH Futures Price Curve

On the 1st trading day of the month and last 5 trading days

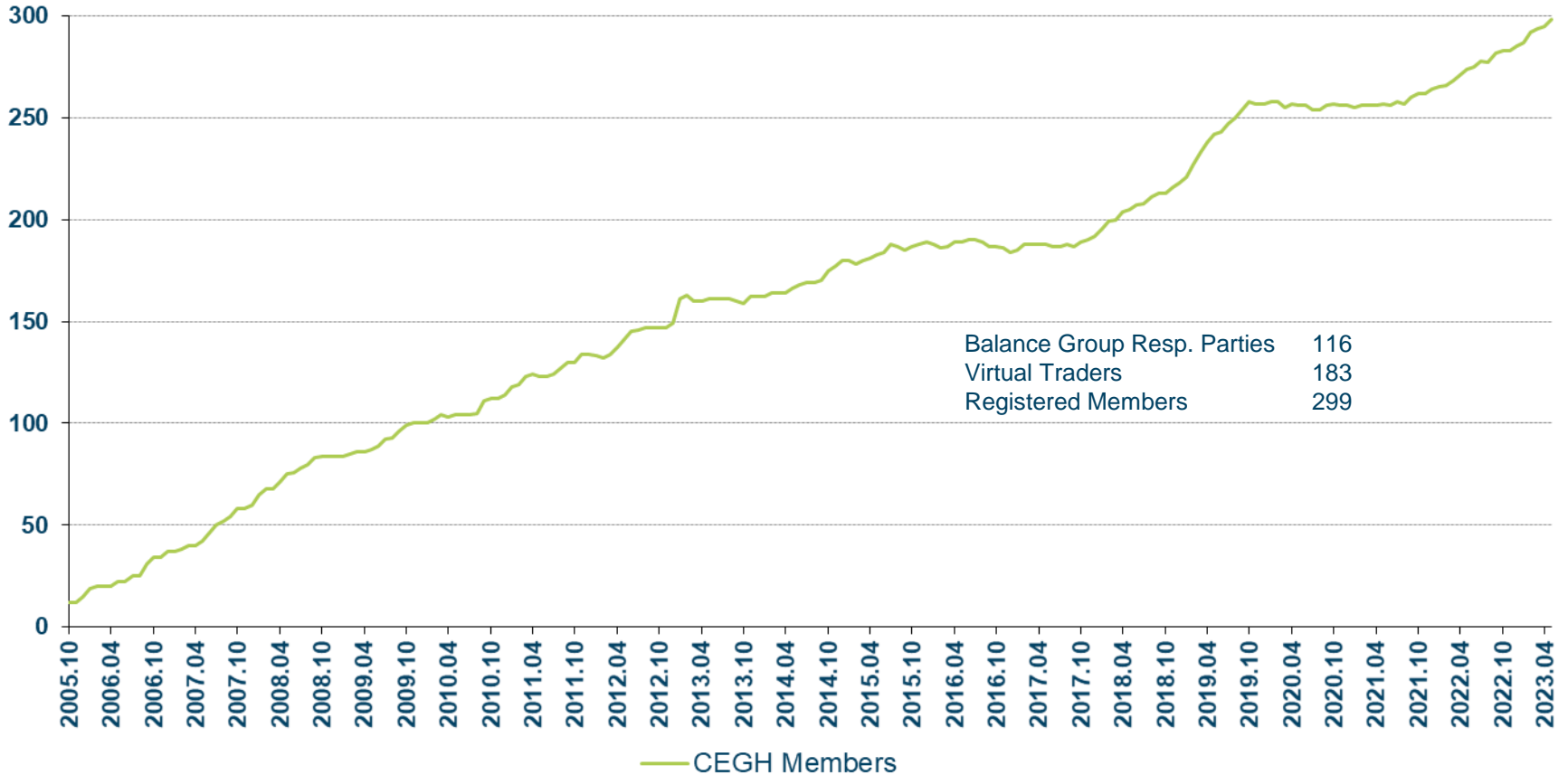


European Spot (DA/WE) Settlement Prices



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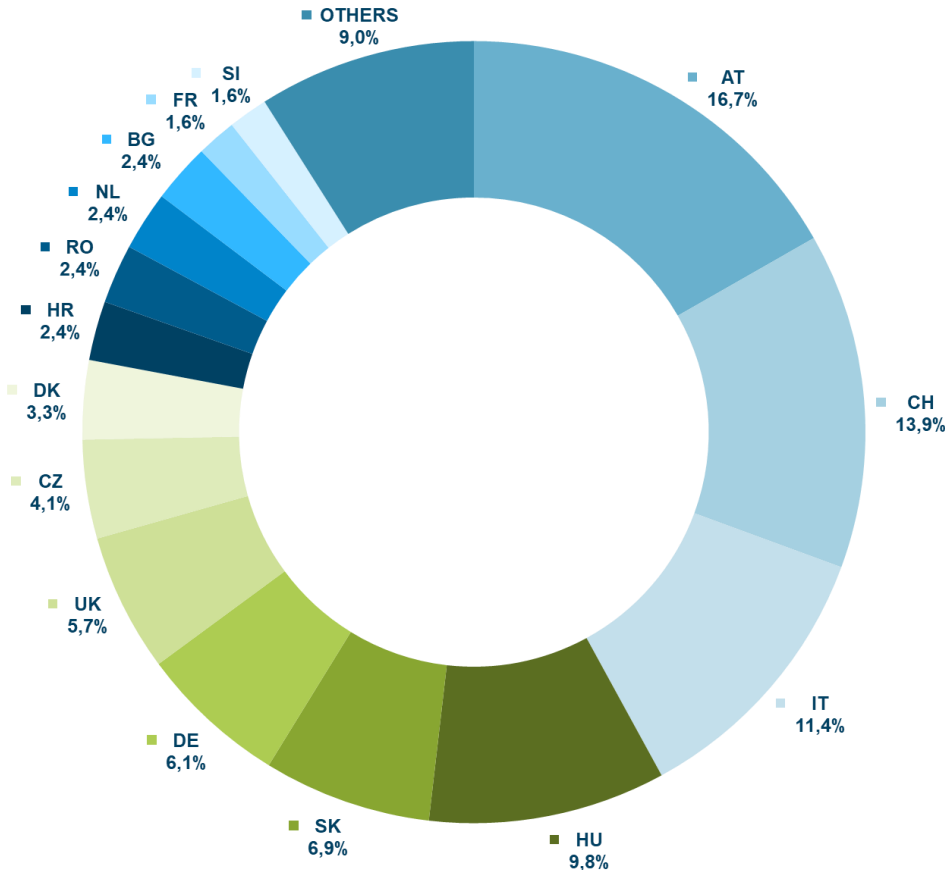
CEGH VTP: Number of Registered Members



CEGH VTP: Diversity of Registered Members



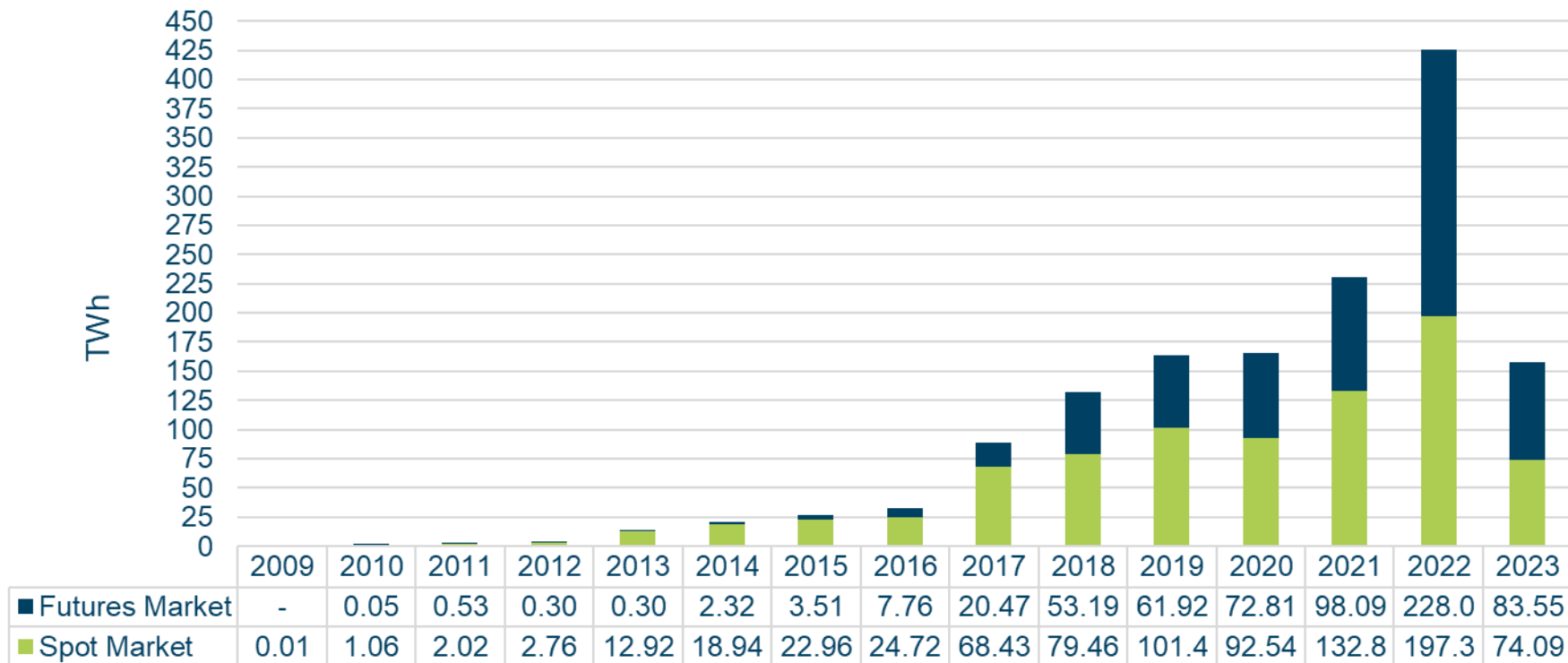
299 Members
May 2023



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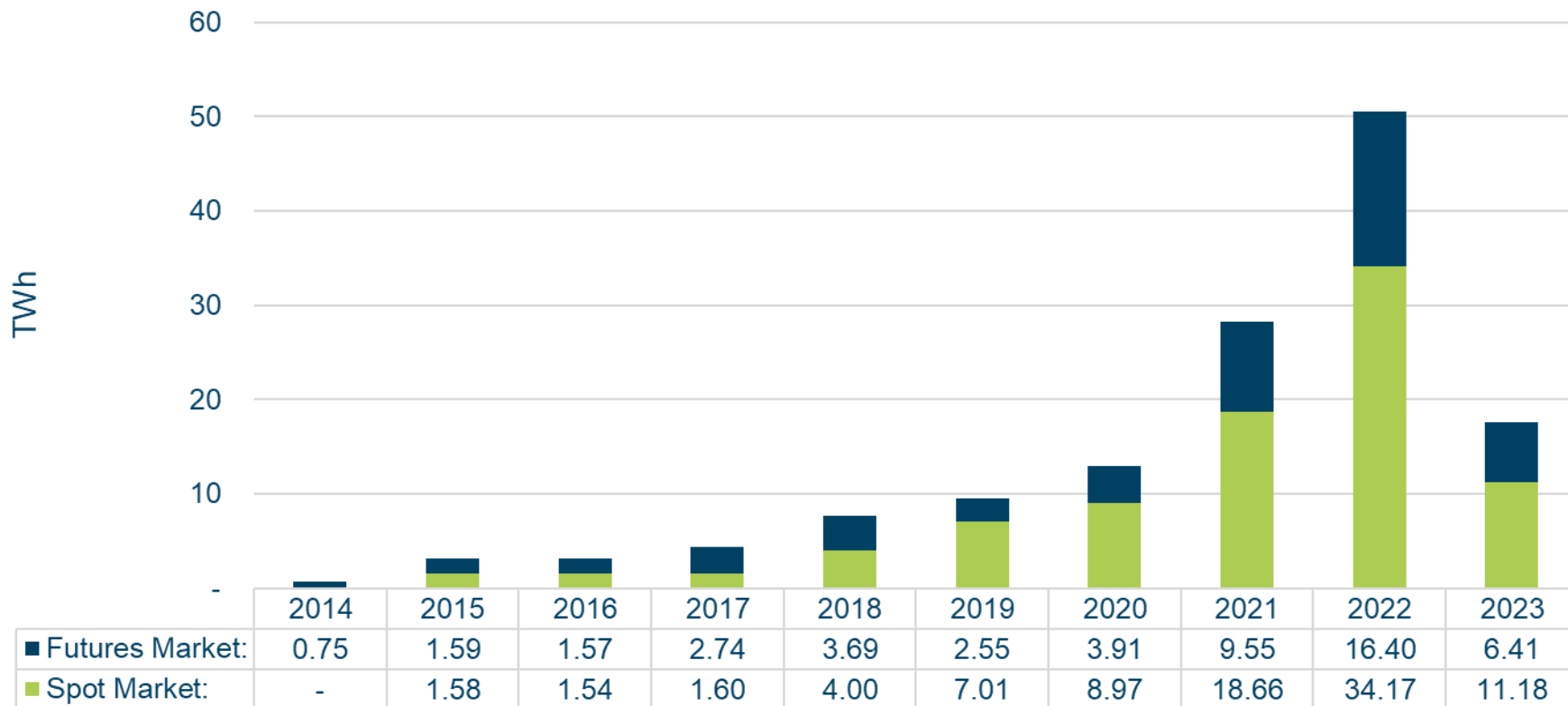
EEX CEGH Austrian Gas Market

Yearly Trading Volume since 2009



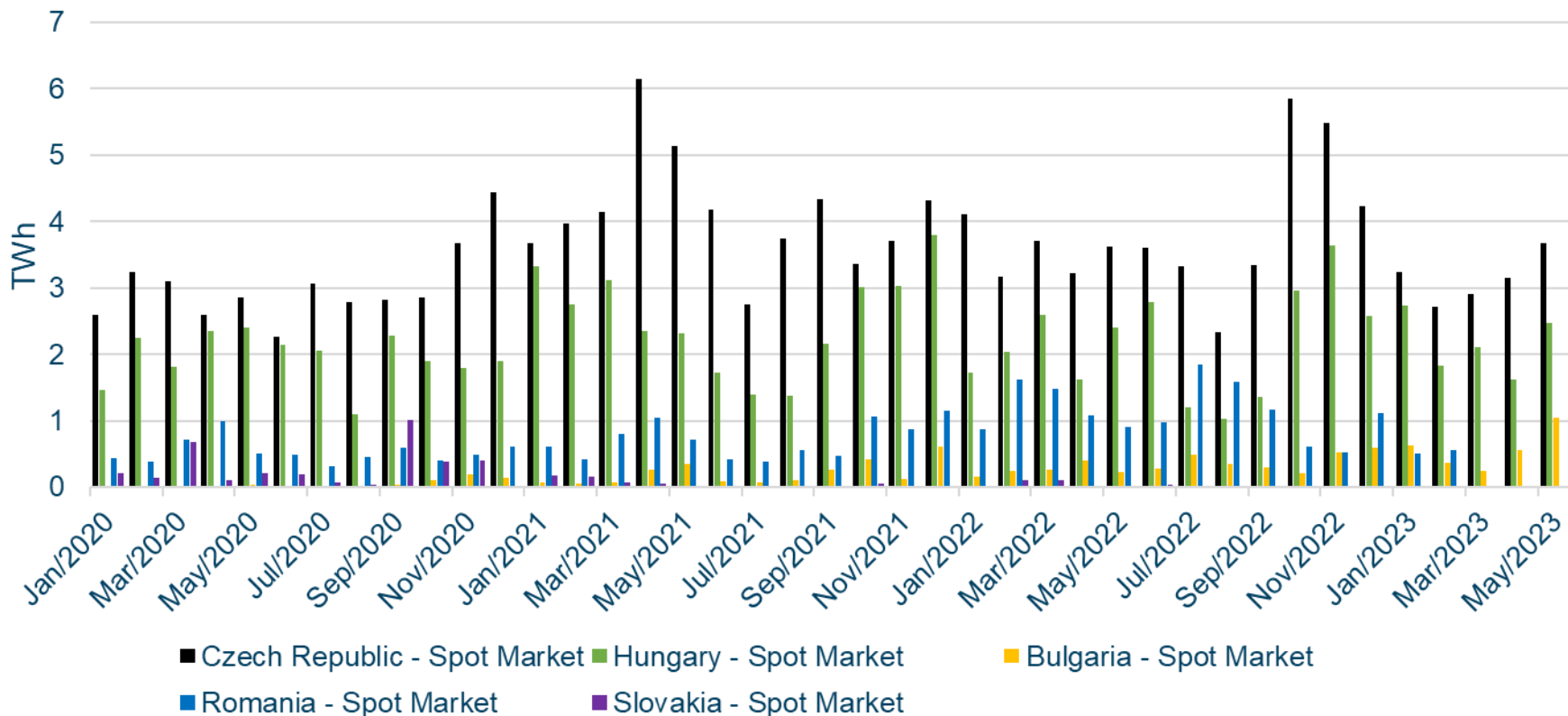
EEX CEGH Czech VTP Gas Market

Yearly Trading Volume since February 2014



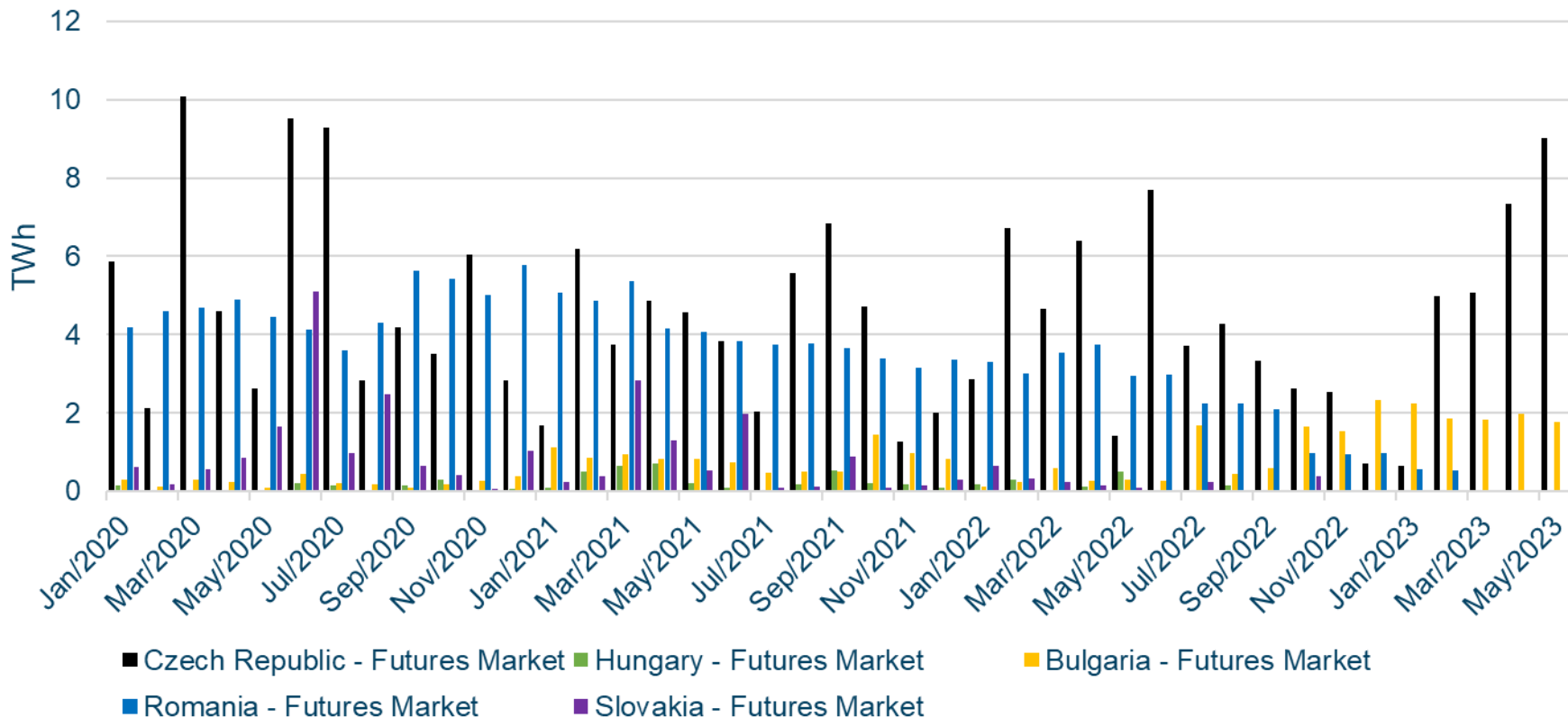
CEE Gas Traded Volumes - Spot

Monthly Wholesale Trading Volume since January 2020



CEE Gas Traded Volume - Futures

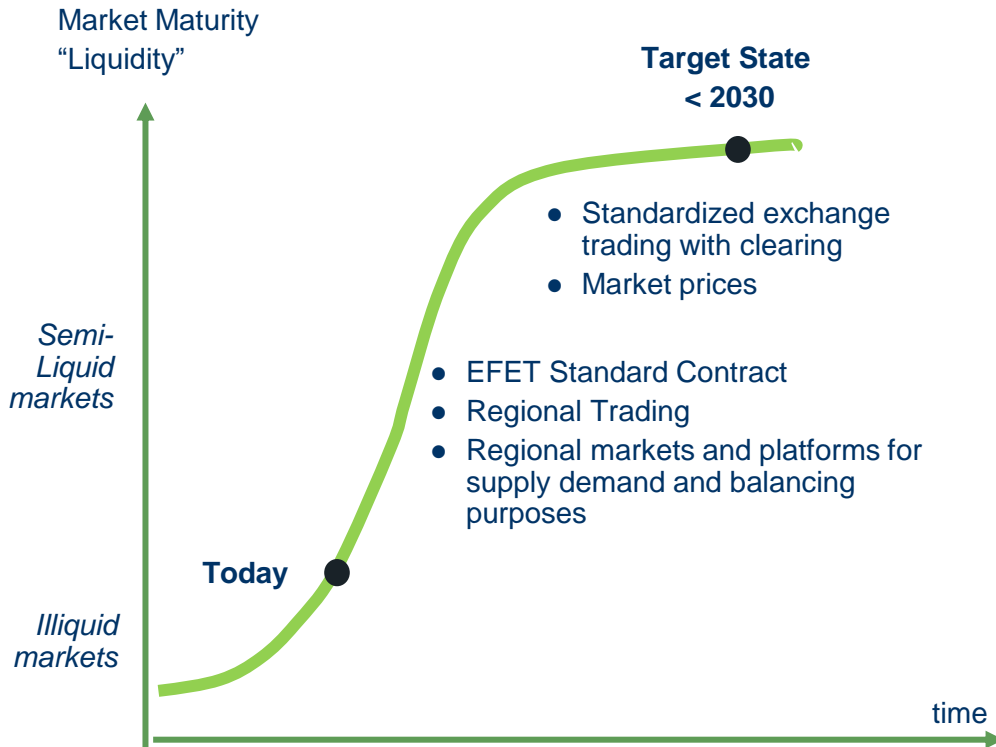
Monthly Wholesale Trading Volume since January 2020



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CEGH Green Gas Platform

Different instruments are needed in different market maturity phases



Biomethane - Guarantees of Origin

- Standardized products & exchange trading

Platform based trading

- Standardized Contracts (EFET)
- Transparency on prices and liquidity
- From long term - to short term trading

Institution building (Registries, Standardization)

- Harmonized Regulatory Framework (e.g. AIB Hub)
- Cross-border trading & recognition

CEGH Green Gas Platform

Easy access to trading in biomethane / GOs



- Platform was developed closely with market participants.
- CEGH GreenGas Platform allows buying and selling of (GOs) or bundled GOs together with biomethane or only biomethane without GOs.
- Connected Registers: E-Control and Biomethane Register AGCS Austria, DENA Germany.
- According to market feedback Start as "bulletin board" and as "auction".
- Easy registration and newsletter function
- Expansion to other countries and extension of functionalities possible.

The screenshot displays the CEGH Green Gas Platform interface, showing two trading listings. The top listing is for 'Landwärs CE Trading Kft.' with a minimum price of 172.90 €/MWh. The bottom listing is for 'Wien Energie Vertriebs GmbH & Co KG' with a minimum price of 40.00 €/MWh. Both listings show details such as quantity, production period, and associated registers.

Filter Zurücksetzen

Status
 offen
 beendet
 veröffentlicht
 zurückgezogen

Unternehmen

Angebots ID

Seite

Register

Nachweis

Land

Veröffentlichungsdatum
 bis

Gebotszeitraum
 bis

GEROT SAUGABE BIS AUF WIDERRUF MÖGLICH

Veröffentlichungsdatum: 22.03.2022 11:00
Angebot ID: 848
Produkt
Register / Nachweis / Herkunftsländ

Landwärs CE Trading Kft.

Biomethan mit Herkunftsnachweis/Zertifikat
DENA / DENA Biogaszertifikat / Deutschland

Register / Nachweis / Herkunftsländ
DENA / DENA Biogaszertifikat / Deutschland

Gebotszeitraum
bis auf Widerruf
Definiert
Nein

Verkauf Minimum Preis
172.90 €/ MWh

Menge
0.343 MWh/h

Lieferzeitraum
01.01.23 06.00 - 01.01.24 06.00

Menge
3.004 MWh

Biomasse (B1 BiomasseV (1), Ausschließheit (2), Mengenergie plus/minus (4), Ersatzstoffgehalt (5),
Einspeisemenge in Erdgasnetz (6), Massenbilanzierung bis zur Einspeisung in das Erdgasnetz (7))

Produkte (siehe Gewähr) - Stand: 09.06.2021

EEG 2004 - Grundvergütung Biogas EEG 2009 - Grundvergütung Biogas
EEG 2009 - Grundvergütung Biogas (auch Biomasse außerhalb BiomasseV) EEG 2014 - Biomasse
EEG 2017 - Biomasse (gesetzlich) EEG 2021 - Biomasse (Ausschreibung) EEG 2021 - Biomasse (gesetzlich)
EEG 2021 - Biofall (Ausschreibung) EEG 2021 - Einspeisevergütung ausgefallene Anlagen Biogas (Biomasse)
E-Wärmeg 2008 - Wärmenutzung BtW/E Energie SIG - Stromsteuerbefreiung (Biomasse)
TEHG - Befreiung von Abgabepflicht (Biomasse außerhalb MVO) KWK 2017 - innovative Wärmetechniken
KWK 2017 - innovative Wärmetechniken (Anteil Biomethan in KW/K) KWK 2017 - Wärmenetze u. -speicher

GEROT SAUGABE BIS AUF WIDERRUF MÖGLICH

Veröffentlichungsdatum: 01.05.2022 13:00
Angebot ID: 807
Produkt
Register / Nachweis / Herkunftsländ

Wien Energie Vertriebs GmbH & Co KG

Herkunftsnachweis/Zertifikat
AGCS Biomethan Register Österreich / Biomethannachweis / Österreich

Register / Nachweis / Herkunftsländ
AGCS Biomethan Register Österreich / Biomethannachweis / Österreich

Gebotszeitraum
bis auf Widerruf

Verkauf Minimum Preis
40.00 €/ MWh

Menge
876 MWh

Produktionszeitraum
01.12.21 - 01.12.22

Biomethan auf Basis von Biogas (B110000)

GEROT SAUGABE BIS AUF WIDERRUF MÖGLICH

Veröffentlichungsdatum: 11.05.2022 13:00
Angebot ID: 828
Produkt
Register / Nachweis / Herkunftsländ

Wien Energie Vertriebs GmbH & Co KG

Herkunftsnachweis/Zertifikat
AGCS Biomethan Register Österreich / Biomethannachweis / Österreich

Register / Nachweis / Herkunftsländ
AGCS Biomethan Register Österreich / Biomethannachweis / Österreich

Gebotszeitraum
bis auf Widerruf

Verkauf Minimum Preis
40.00 €/ MWh

Menge
848 MWh

Produktionszeitraum
01.11.21 - 01.12.21

Biomethan auf Basis von Biogas (B110000)

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Provision of CEGH Hydrogen Indices

- Publication of **CEGH Hydrogen Indices facilitates** monitoring the „cost gap“ between hydrogen and alternative sources of energy supply and enables market participants to evaluate business cases for investing in hydrogen projects.
- **Further enhancements of price assessments** planned once the hydrogen market becomes more liquid leading to new requirements by index users (e.g. benchmarking costs of supply, “net-back pricing”).

Set Up of a Marketing Platform

- Launch of the CEGH GreenGas Trading Platform to facilitate trading of Biomethane Guarantees of Origin (GoOs) with or without biogas for the first time in Austria.
- Gradual expansion into other markets in Central - and Eastern Europe planned.
- Upgrade of functionalities according to market feedback.
- Addition of **trading of Green Hydrogen once Green Hydrogen becomes available.**

Continuous Stakeholder Dialogue

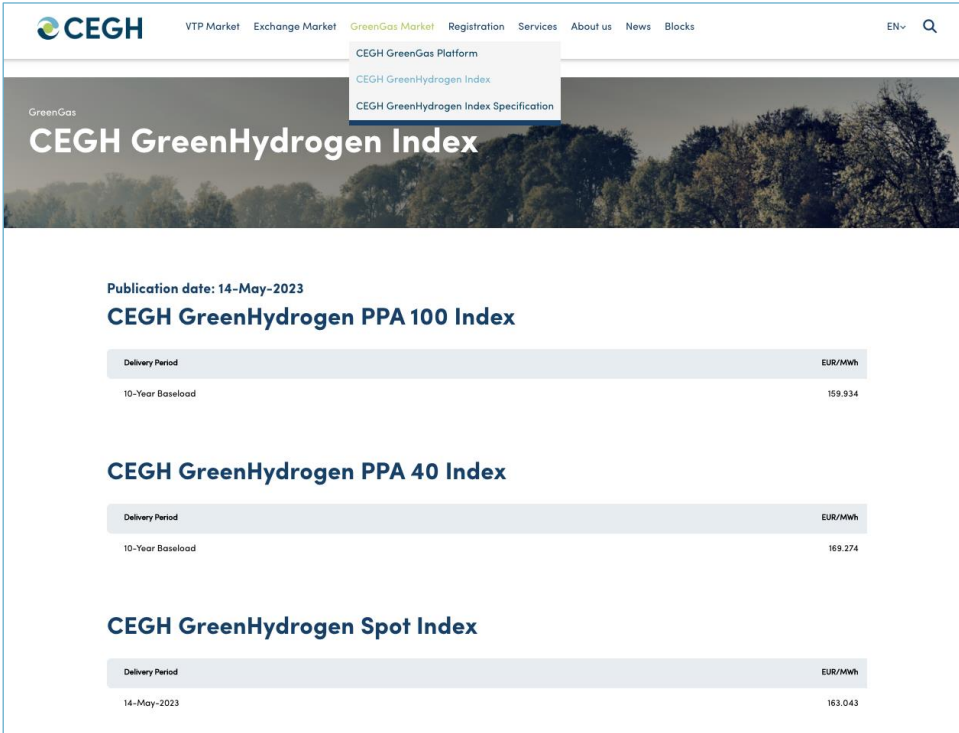
- CEGH engages with key stakeholders within the emerging hydrogen ecosystem including politicians, regulators, producers and offtakers.
- Key areas for alignment include regulatory frameworks (e.g. third-party access to hydrogen infrastructure), market model (entry-/exit system vs. physical hub), balancing code, design of framework agreements etc.

Main Driving Force for different “Hydrogen Colors”: Regulatory Requirements

	“Grey” H ₂	Green H ₂	H ₂ Blend	Renewable H ₂ ¹
Illustration				
Electricity procurement	Electricity is procured from the grid, therefore the hydrogen produced does not meet any requirements for labelling	Electricity is procured from the grid and, additionally, GoOs are purchased from market places	Green electricity is either procured via direct line or PPA as well as regular (“grey”) electricity from the grid	Green electricity is either procured via direct line or PPA
(Regulatory) requirements	No additional requirements concerning the operation of the electrolyzer	No additional requirements concerning the operation of the electrolyzer	Balancing of renewable electricity and hydrogen production for min. 40% of the production volume	Hourly balancing of renewable electricity and hydrogen production for 100% of the production volume
CEGH Index	-	CEGH Green Hydrogen Forward Index	CEGH Green Hydrogen PPA 40 Index	CEGH Green Hydrogen PPA 100 Index

¹In line with requirements REDII Delegated Act Article 27.3.

CEGH GreenHydrogen Indices on CEGH's Website



Publication date: 14-May-2023

CEGH GreenHydrogen PPA 100 Index

Delivery Period	EUR/MWh
10-Year Baseload	159.934

CEGH GreenHydrogen PPA 40 Index

Delivery Period	EUR/MWh
10-Year Baseload	169.274

CEGH GreenHydrogen Spot Index

Delivery Period	EUR/MWh
14-May-2023	163.043

Access to CEGH GreenHydrogen Index:

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

Access to Index specification and Index description:

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

CEGH GreenHydrogen Indices on CEGH's Website



Publication date: 07.06.2023

[download.CSV](#)

CEGH GreenHydrogen PPA 100 Index

Delivery Period	EUR/MWh
10-Year Baseload	156.448

CEGH GreenHydrogen PPA 40 Index

Delivery Period	EUR/MWh
10-Year Baseload	162.241

CEGH GreenHydrogen Spot Index

Delivery Period	EUR/MWh
6-Jun-2023	161.084

CEGH GreenHydrogen Forward Index

Delivery Period	Maturity	EUR/MWh
July 2023	Month +1	163.192
August 2023	Month +2	168.999
Q3 2023	Quarter +1	170.423
Winter 2023	Season +1	217.705
Summer 2024	Season +2	195.509
Calendar 2024	Calendar +1	213.613
Calendar 2025	Calendar +2	194.564
Calendar 2026	Calendar +3	175.936



**THANK
YOU FOR
YOUR
ATTENTION**