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**Expected developments
on the European natural
gas market 2022-2030
(with special view on the
Central-East Europe
region)**

R2Gas Workshop

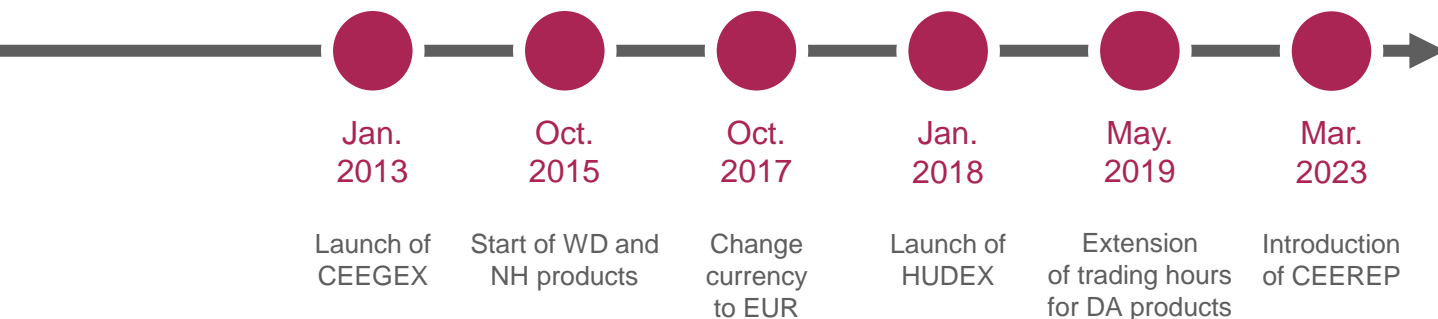
25/04/2023



CEEGEX Central Eastern European Gas Exchange Ltd. is the operator of the organized market for the Hungarian VTP - MGP.

CEEGEX offers high quality exchange services with safe, trustworthy and long-term solutions for its partners while utilizing the available infrastructure and providing cooperation opportunities in Central, East and South-East Europe (CESEE).

Reclassified by ACER to emerging hub, CEEGEX's goal is to become the reference market in CESEE. Therefore, our efforts are focused on continuous development and liquidity of the Hungarian and regional gas markets.




Trayport GlobalVision and Joule trading systems

KELER CCP clearing registration




MARKETS OPERATED BY CEEGEX


MGP SPOT MARKET

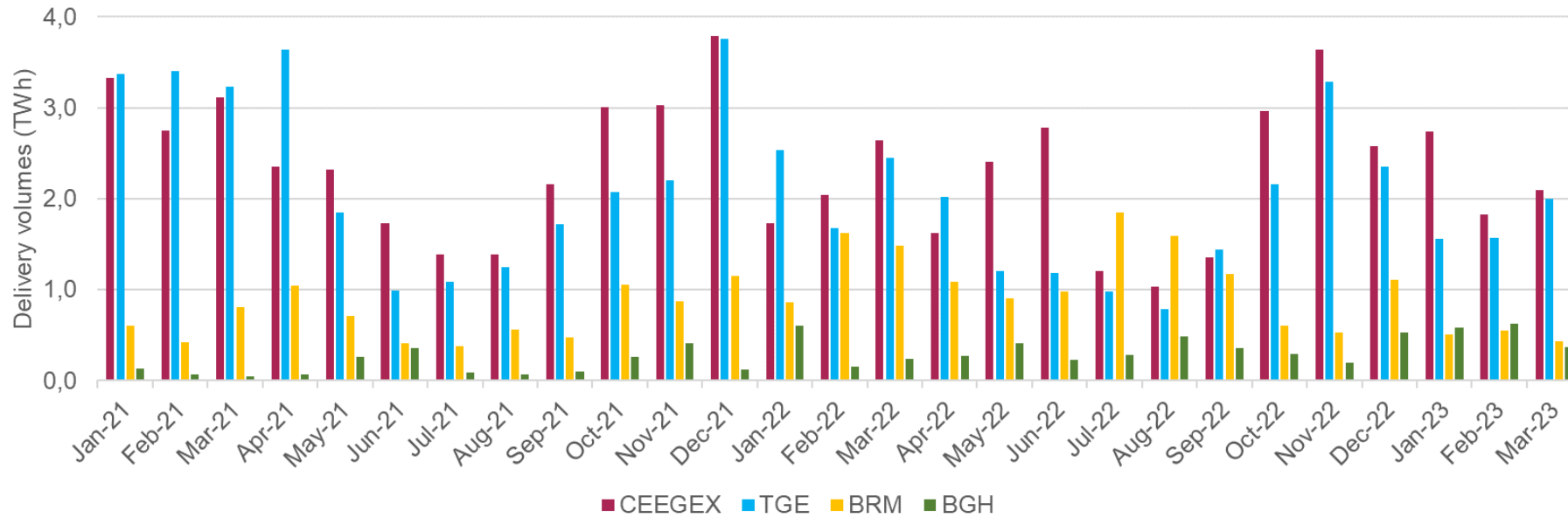
- Next-hour
 - Within-day
 - Day-ahead
- 

LOCALIONAL PRODUCTS

- Next-hour
 - Within-day
 - Day-ahead
- 

HUDEX GAS FUTURES MARKET

- Balance-of-Month
 - Month, Quarter
 - Season, Year
- 



MEMBERSHIP

SPOT 46

FUTURES 25

CEEGEX is the largest spot energy exchange in the CESEE region (both power and gas).





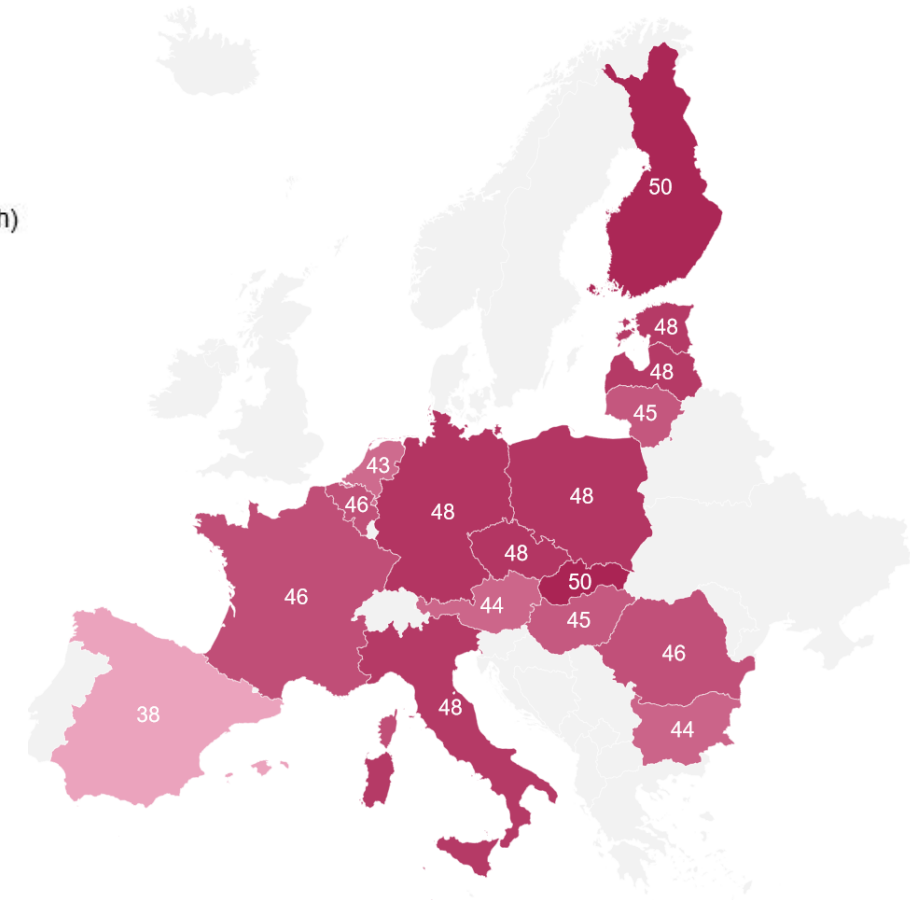
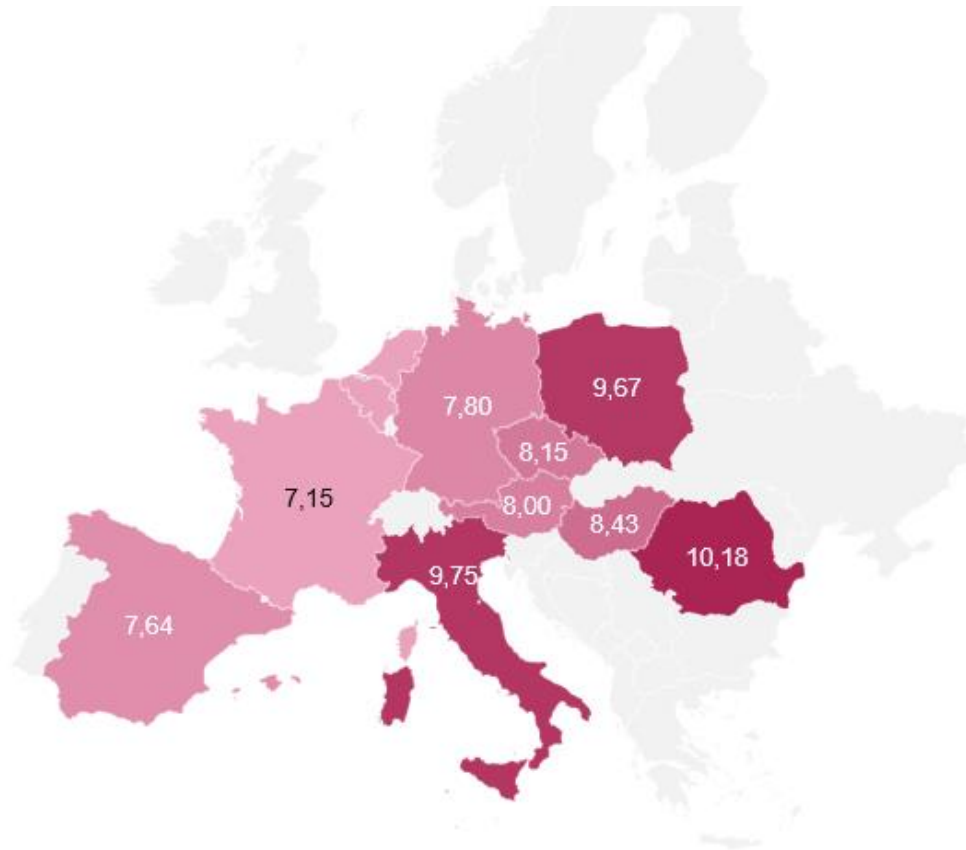
CEEGEX OPINION

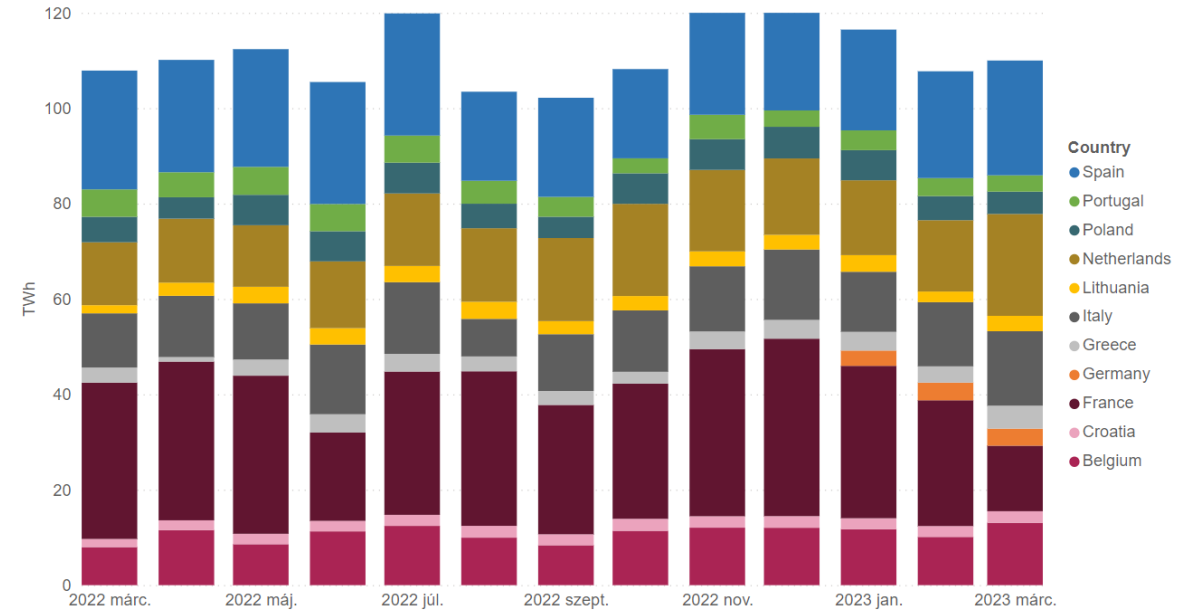
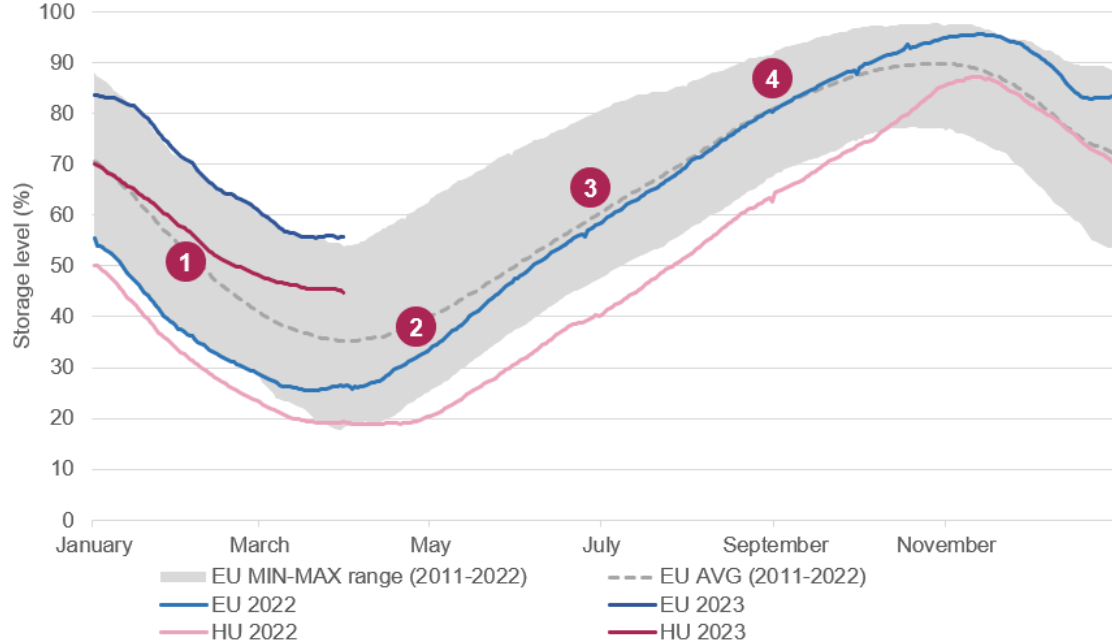
- » Prices are on the same level as they were in September 2021.
- » After the turbulent period in 2022 **volatility decreased in 2023 so far.**
- » During the recent period, the average yearly spread increased between the benchmark markets and CEEGEX.
- » CEEGEX has become a premium market since September 2021 once again on yearly level, however **daily and monthly spreads are sometimes negative.**
- » Correlation between the benchmark markets remained high.



31/03/2020

31/03/2023





- » European withdrawals started to ramp up only in the second half of January. In **February and in March the rate remained similar** and aggregated EU storage levels were above the maximum values of 2011-2022.
- » EU storages were at 55% by the end of the March.
- » **The rate of withdrawals slowed down more in Hungary** than in the EU.

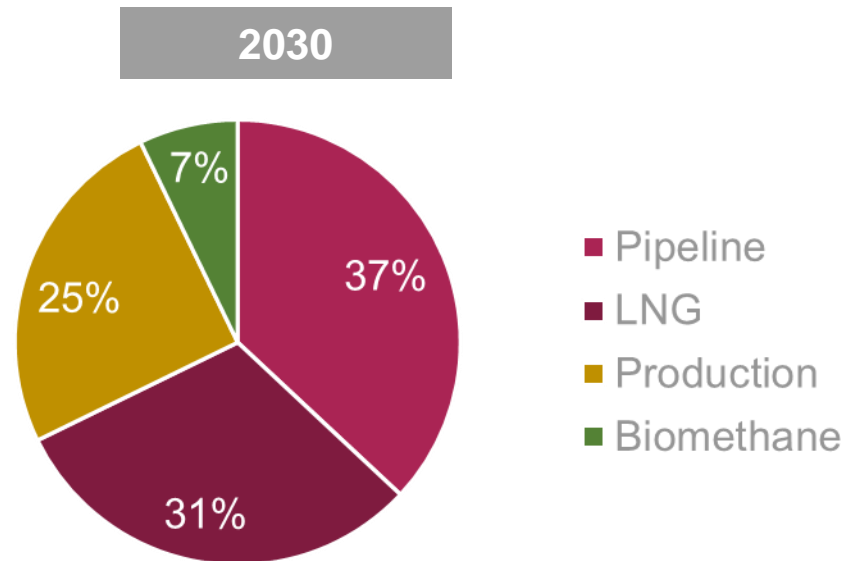
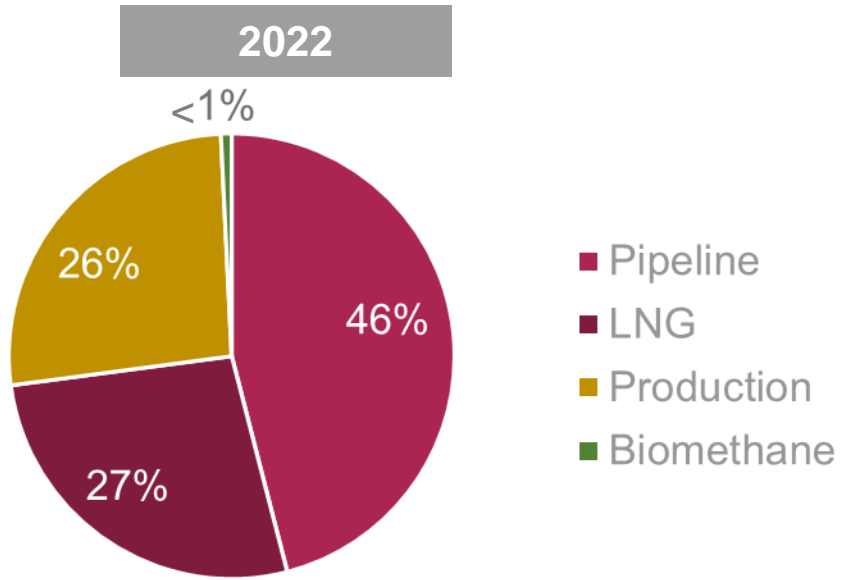
HU intermediate targets for 2023 according to 2301/2022 EU regulation:

1. 1st Feb: 51% | **2.** 1st May: 37% | **3.** 1st Jul: 65% | **4.** 1st Sep: 86%

EU final target by Nov: 90%

- » Europe's demand for LNG fell as the weather eased, still **LNG has been more significant in EU gas supply than ever before.**
- » **French nuclear power production** (as a key factor) is above last year's level, but still below average. French demand for LNG decreased significantly in March.
- » Many countries, like Belgium, Greece, Italy, Lithuania, the Netherlands and Spain have increased their LNG send-out in the system.





CHALLENGES

Incentivize sustainability in feedstock management and increase biomethane production capacity

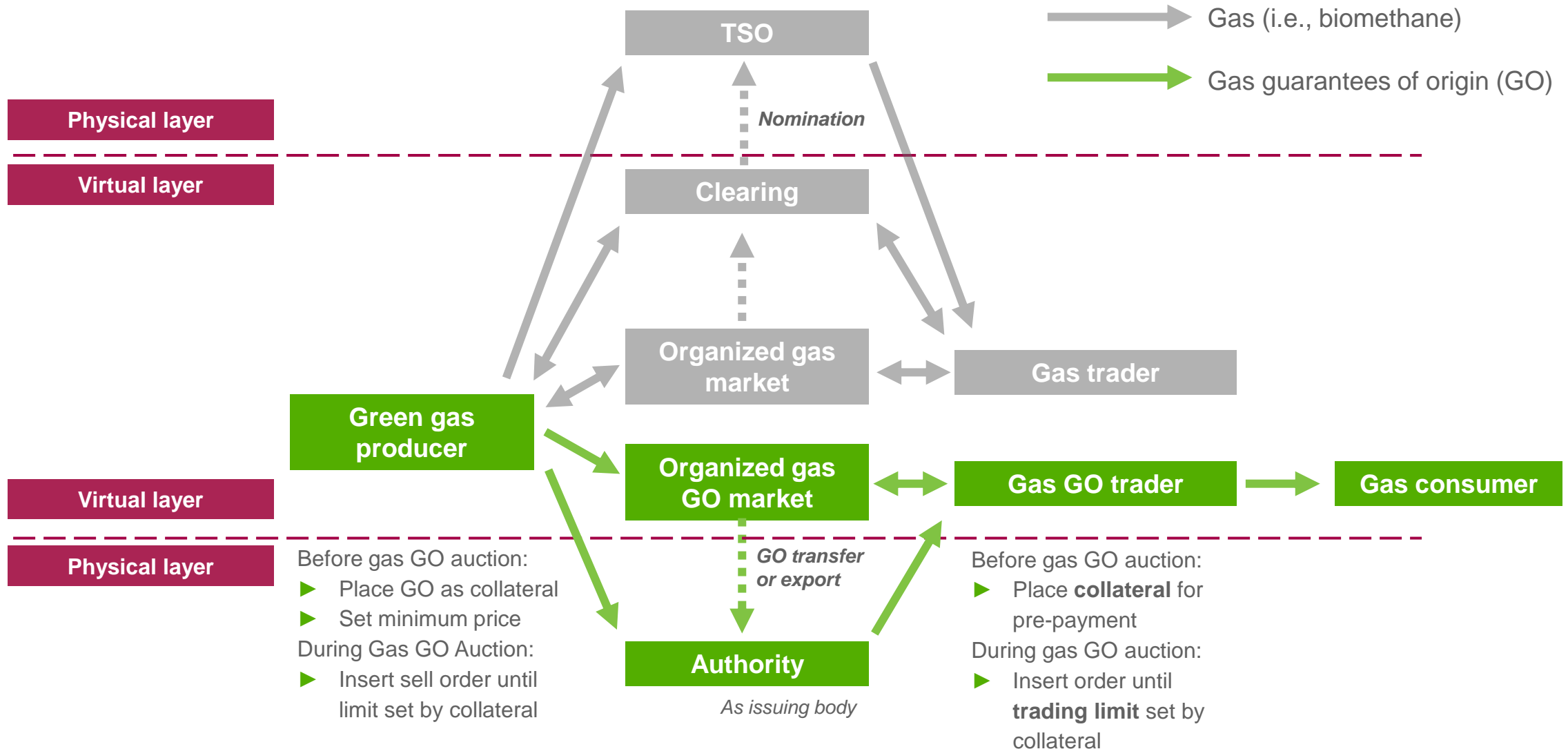
Finalize regulation of renewable gas production, trading and consumption

Develop an accurate, reliable and fraud-resistant certification system

Match biomethane production with demand

Launch biomethane organized market





ceegex
CENTRAL EASTERN EUROPEAN
GAS EXCHANGE



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**Thank you
for your
attention!**

