



EU-UA PARTNERSHIP

for Enhanced Business
Opportunities

Energy Community, Vienna

June 14, 2023



Міністерство
енергетики
України

Legal Aspects Of The Ukrainian Gas Market Regulation: The Latest Developments (1)

Mykola Kolisnyk

Deputy Minister, Ministry of Energy of Ukraine

June 2023



Public consultations on the **amendments to a National Action Plan** that provide for an **impossibility of banning the re-export** from Ukraine of natural gas stored in UGS customs warehouse – *to be finished on June 15*



Approved amendments (resolution No.577 of June 6, 2023) to governmental resolution No. 459 on certificates of origin for natural gas which cancels the obligation for importers to provide certificates of origin for import or injection into customs warehouse in case of transportation via the entry points from the EU or Moldova



Protection of interests of the EU and UA companies using customs warehouse



Legal Aspects Of The Ukrainian Gas Market Regulation: The Latest Developments (2)

Tetiana Kryvonoh,

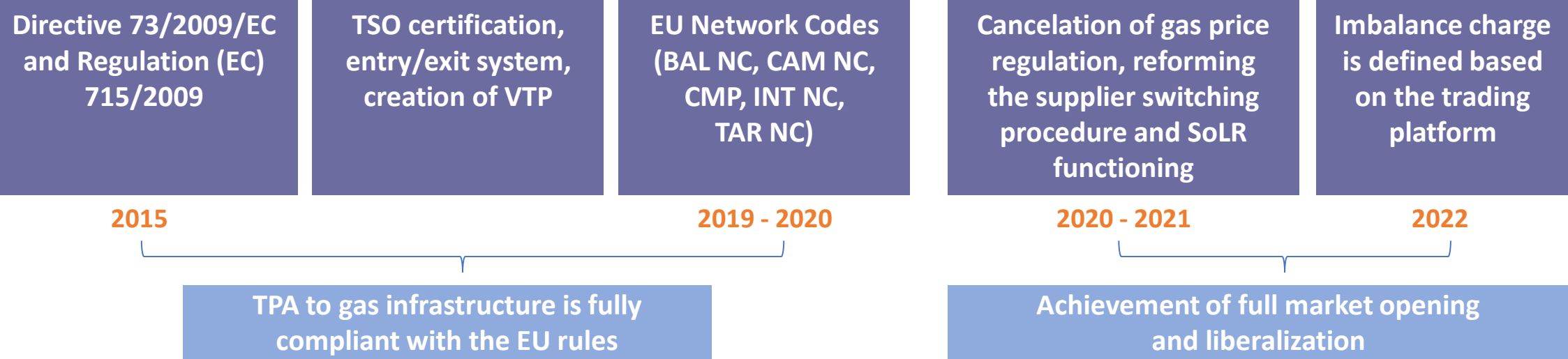
Chief of Division of Wholesale Gas Market Regulation
Department of Oil And Gas Sphere Regulation, NEURC

June 2023

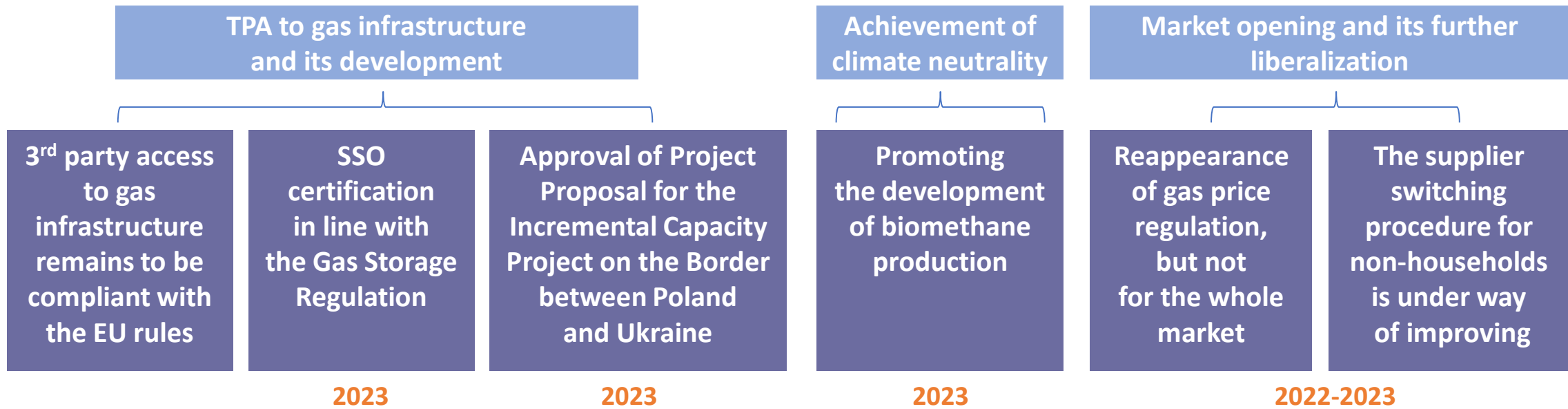


State of play for the natural gas market functioning

Before
the
armed
invasion



After
the
armed
invasion



Opportunities for European Traders in Ukraine in 2023-2024

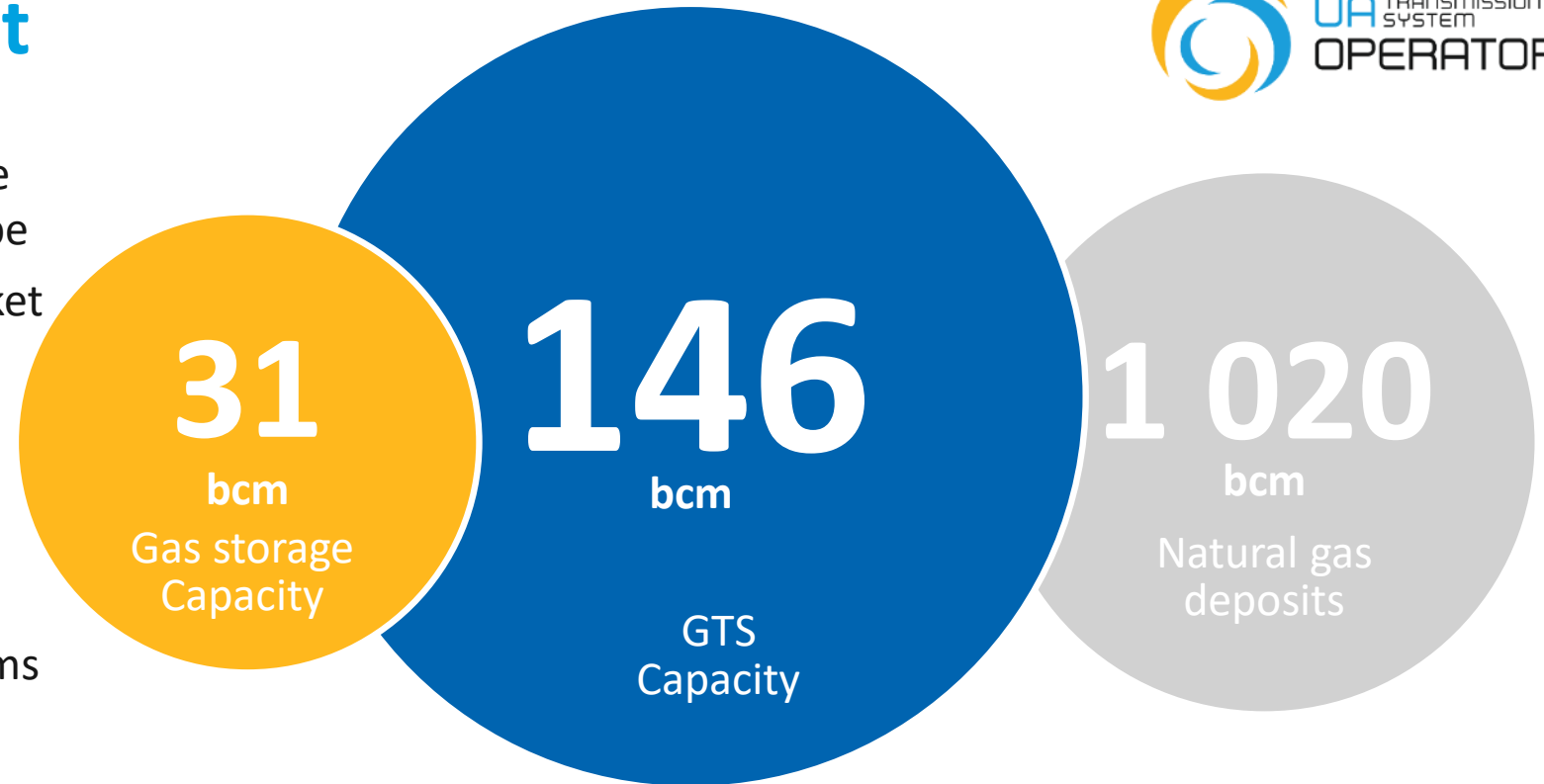
Dmytro Lyppa

CEO of Gas TSO of Ukraine

June 2023

Ukrainian gas market

- Extensive internal gas market: the 2-nd largest gas reserves in Europe
- Compliance with the EU gas market regulations
- Certified TSO and SSO according to European rules
- Reliability: implementation of obligations towards the EU customers despite the war in terms of gas transit and re-export



Key indicators of the Ukrainian gas market in 2022*



Transit



Consumption



Production



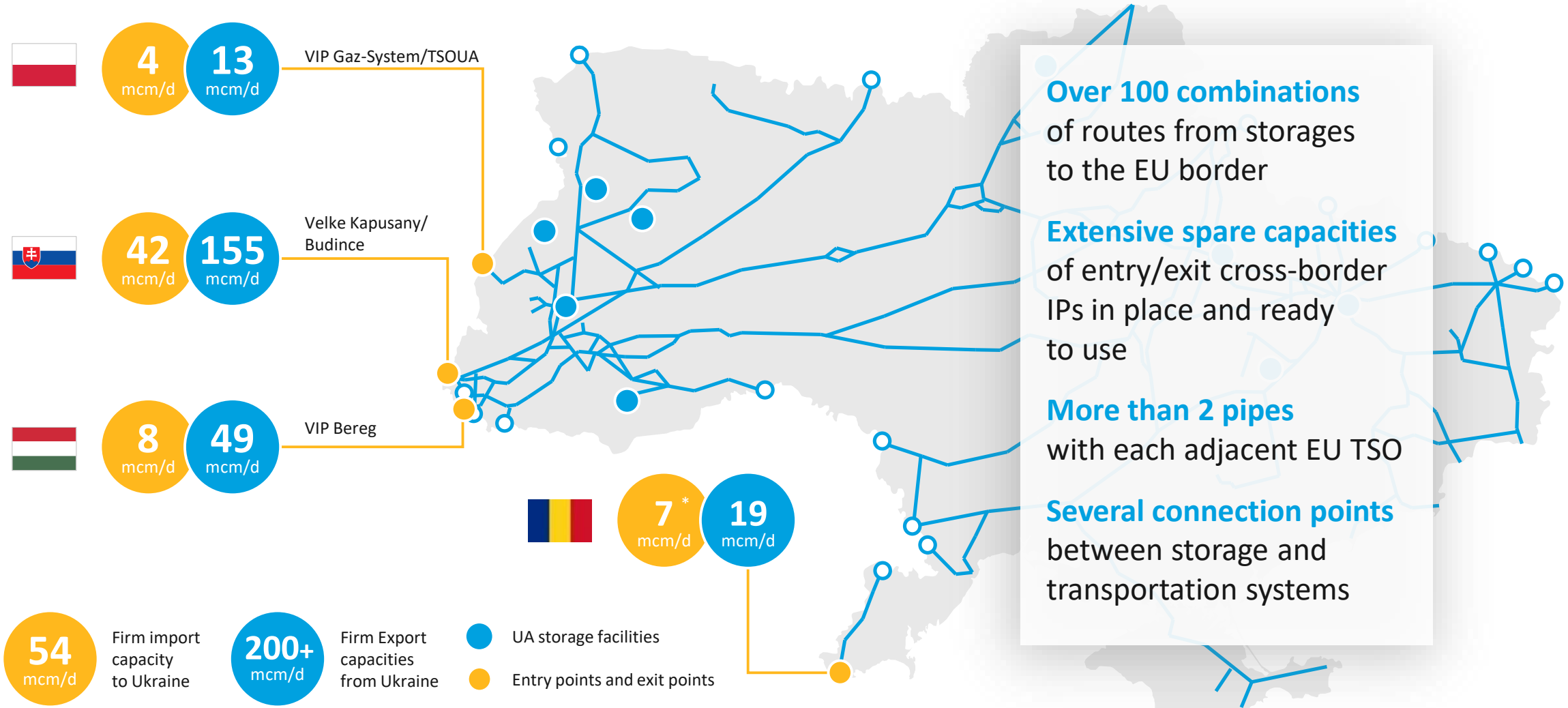
Import



Export & re-export

* Data source: GTSOU calculations

Technical possibilities for gas re-export



* Use of the Trans-Balkan route requires booking the capacities of MD GTS, the tariffs are not included in the calculations

Data source: GTSOU calculations

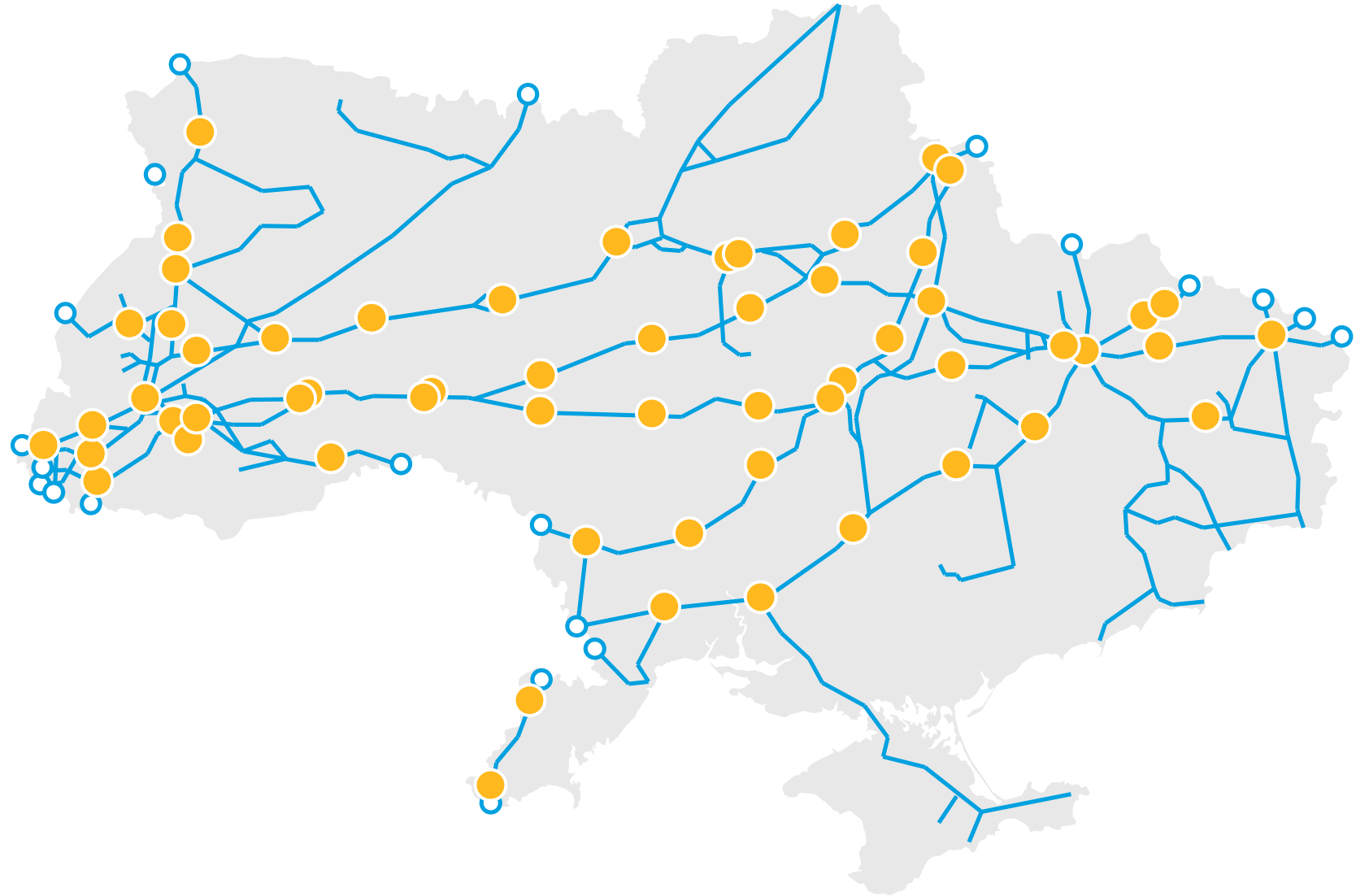
Preventive measures of GTSOU

Annual risk assessment
together with DG ENER's JRC

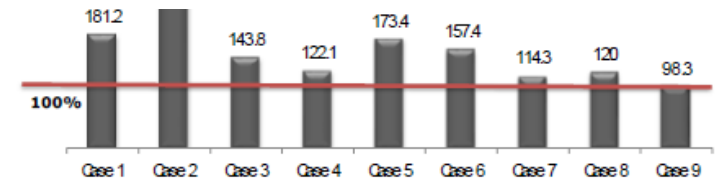
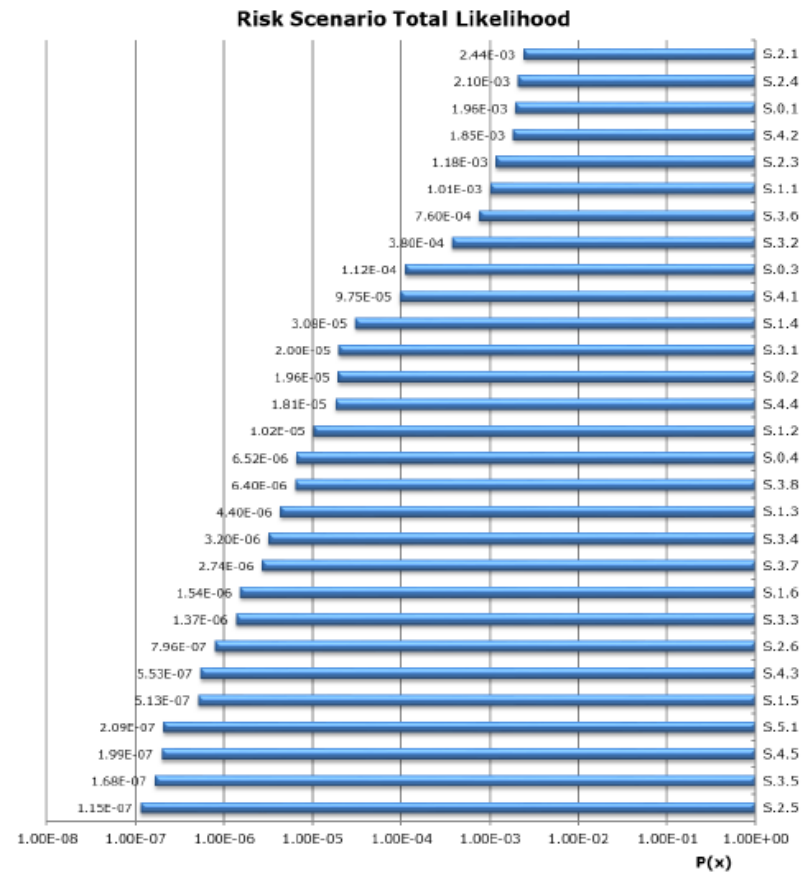
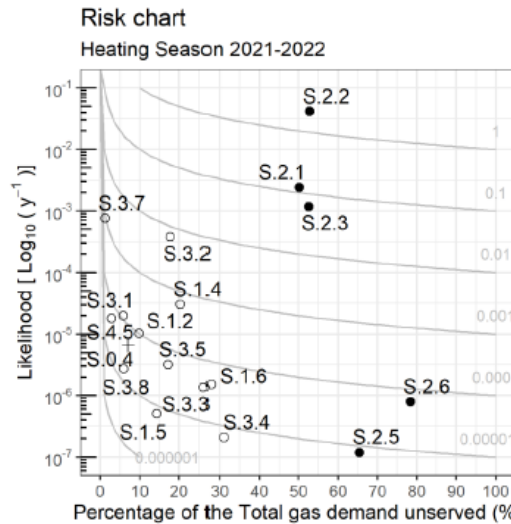
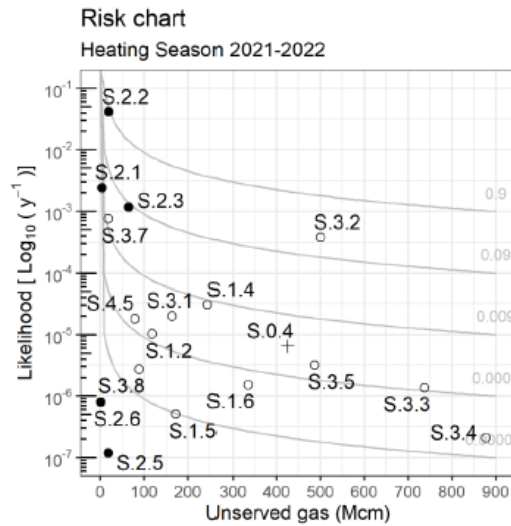
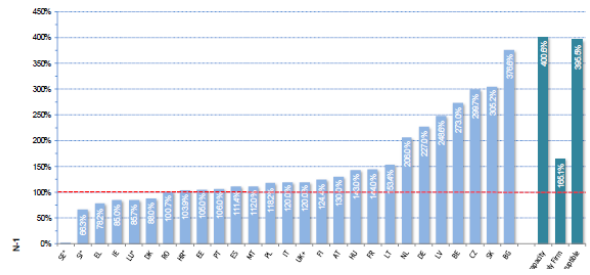
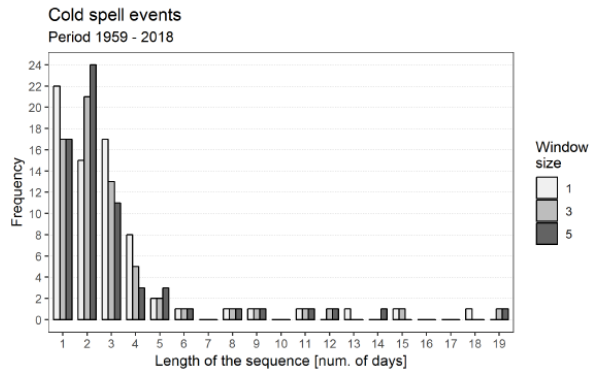
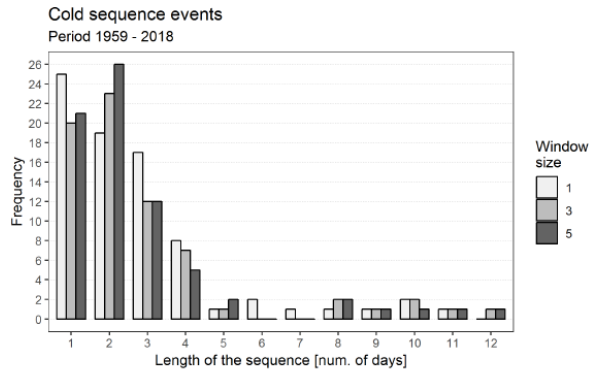
Table top exercise to test
coordination of stakeholders

100+ scenarios analyzed
and tested

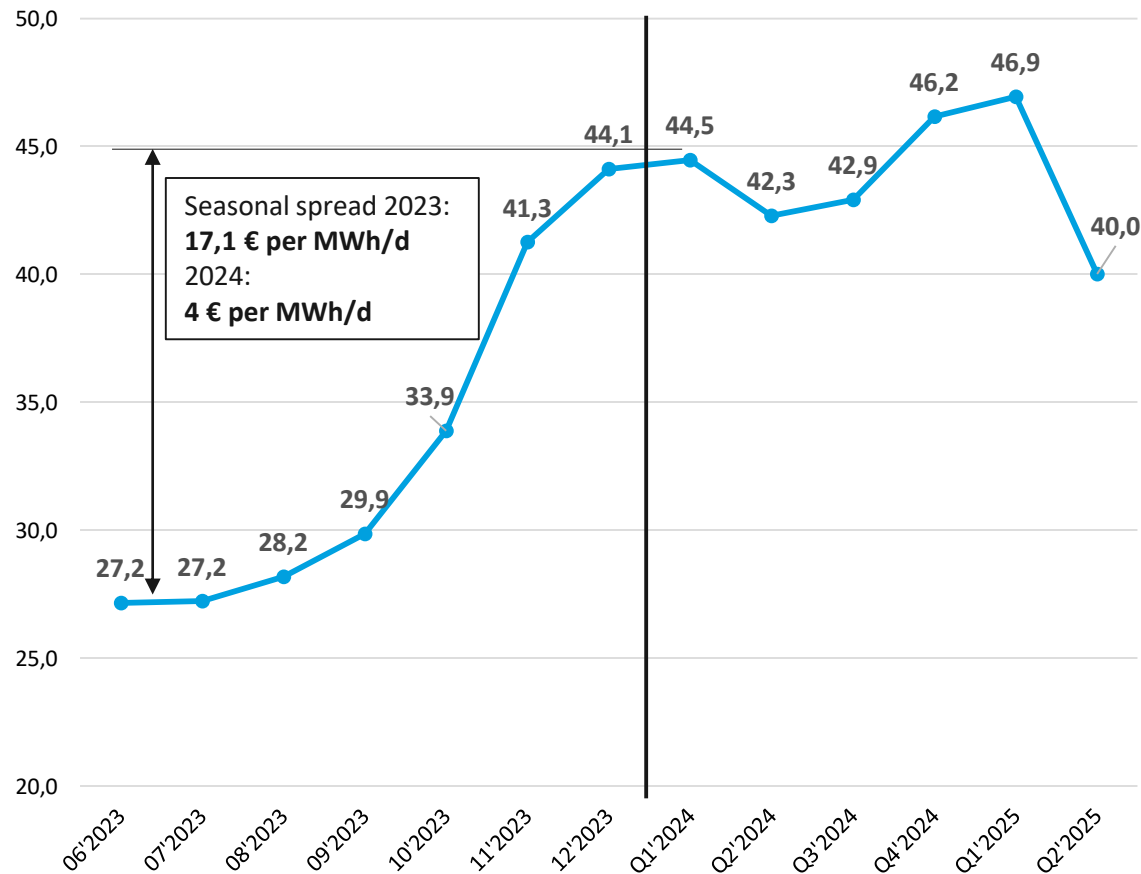
Physical protection
of facilities



Annual risk assessment – the best EU experience



Opportunities for seasonal storage in Ukraine



Total cost (transmission from hub to Ukraine, storage, transmission from Ukraine to hub)
~13,5 € per MWh/d

Profit (when selling on THE hub)
~2,6 € per MWh/d

Profit (when selling on the premium market in Slovakia using discounted products in Ukraine)
~8 € per MWh/d

Total annualized profitability of seasonal storing in Ukraine for 180 days in 2023-2024 season may be **up to 46%** depending on the products and hubs where gas is sold

EU-UA Partnership for Enhanced Business Opportunities

**Roman Maliutin
Agneta Kutselim**



**JSC UKRTRANSGAZ -
THE SSO OF UKRAINE.
ACTIVITIES DURING
A MARTIAL LAW**

ROMAN MALIUTIN

Acting General Director of
Ukrtransgaz



UGS OF UKRAINE: SIGNIFICANT CAPACITIES, ATTRACTIVE STORAGE TARRIFS

25.3

bcm
working gas
Volume
near Europe

30.95

bcm
overall
working gas
volume



Ukraine is **TOP-1** in Europe and **TOP-3** in the world in gas storage capacity.



10 bcm of natural gas storage available to Europe “right now”

Results of the 2022/2023 withdrawal season:

5 570 mcm – gas withdrawal volume from UGS during the withdrawal season.

68.9 mcm – gas withdrawal volume from UGS in a peak day



Ukrainian UGS capacity constitutes almost **29%** from the total EU UGS capacity.



Natural gas storage tariffs in UGS of Ukraine are the lowest in Eastern Europe and still remain favorable together with transportation fees, reaching **4 EUR/MWh**.

CERTIFICATION OF THE STORAGE SYSTEM OPERATOR ACCORDING TO THE EU REQUIREMENTS



CERTIFICATION OF UKRTRANSGAZ

Strengthening a position of Ukrtransgaz in cooperation with non-resident commercial customers

Enhancement of regulatory framework – EU standards

Security of supply – no influence of the 3d party access

Ukrtransgaz is a second storage system operator in Europe to meet the updated requirements established by EU Regulation No. 2022/1032 of 29.06.2022 on the security of gas supply. NEURC made a final decision on certification on 7th April.

BUILDING AN EASTERN EUROPEAN GAS HUB

The UGS cluster in the western regions of Ukraine has a firm potential for becoming a center of the future Eastern European gas hub.

Among the advantages:

- favorable location and high level of security
- 25 bcm of working volume
- developed infrastructure
- high performance and flexibility of the system
- high level integration with GTS
- attractive tariffs

Rated productivity of western UGS cluster

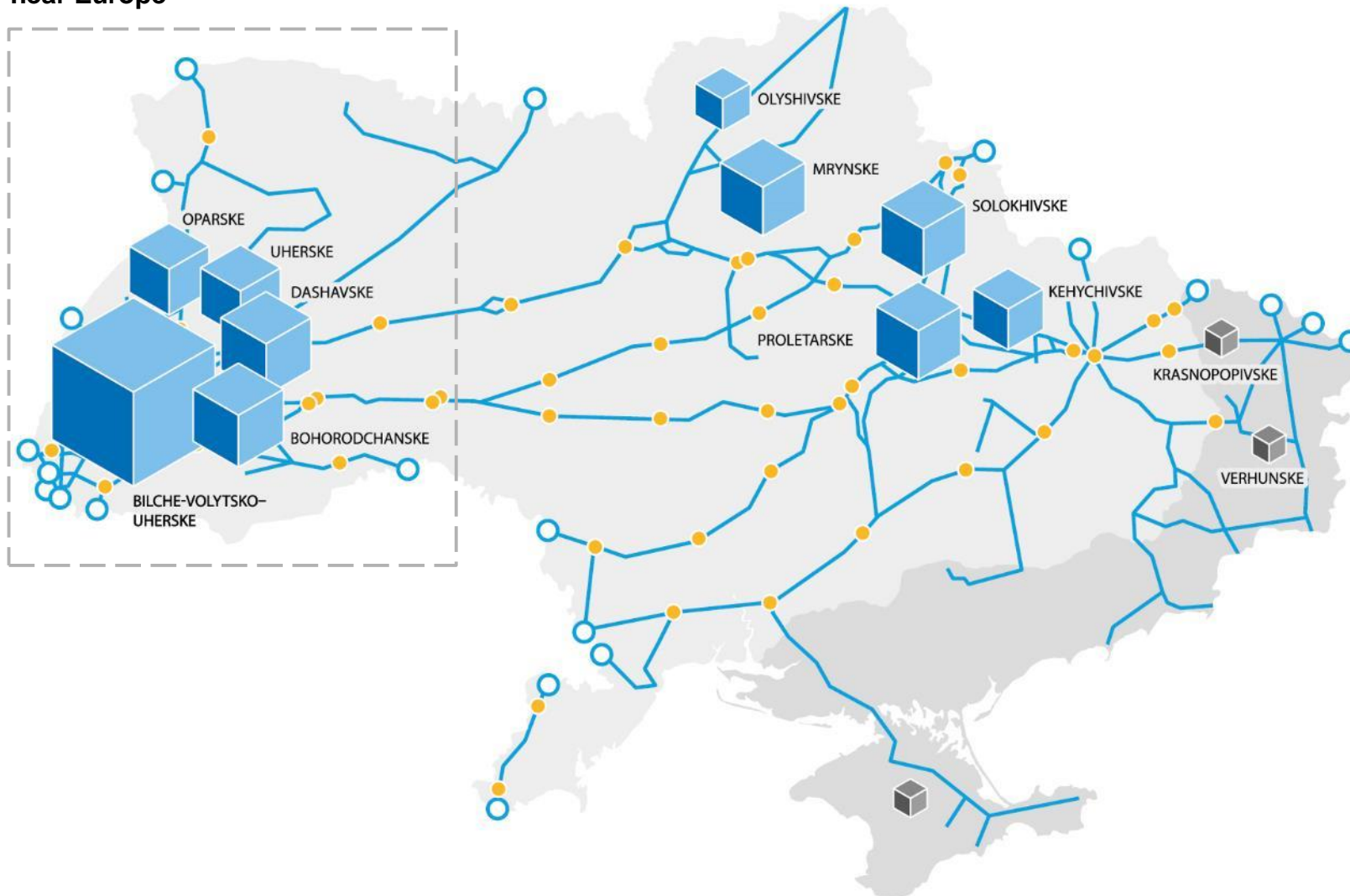
Full	Withdrawal mcm/day	Injection mcm/day
100%	209	156
50%	136	171
30%	92.9	187
10%	41.3	203

Western Ukrainian UGS Cluster



GAS STORAGE SECURITY

82% of overall capacity is near Europe



most UGS of JSC Ukrtransgaz have 2 or more physical connections to the GTS, and some UGS – up to 5



Ukraine's UGS are located in dense rock at depths of 400 to 2,000 meters and are hidden by natural vegetation, which is a reliable natural protection



the SSO is classified as a critical infrastructure facility with an appropriate state protection



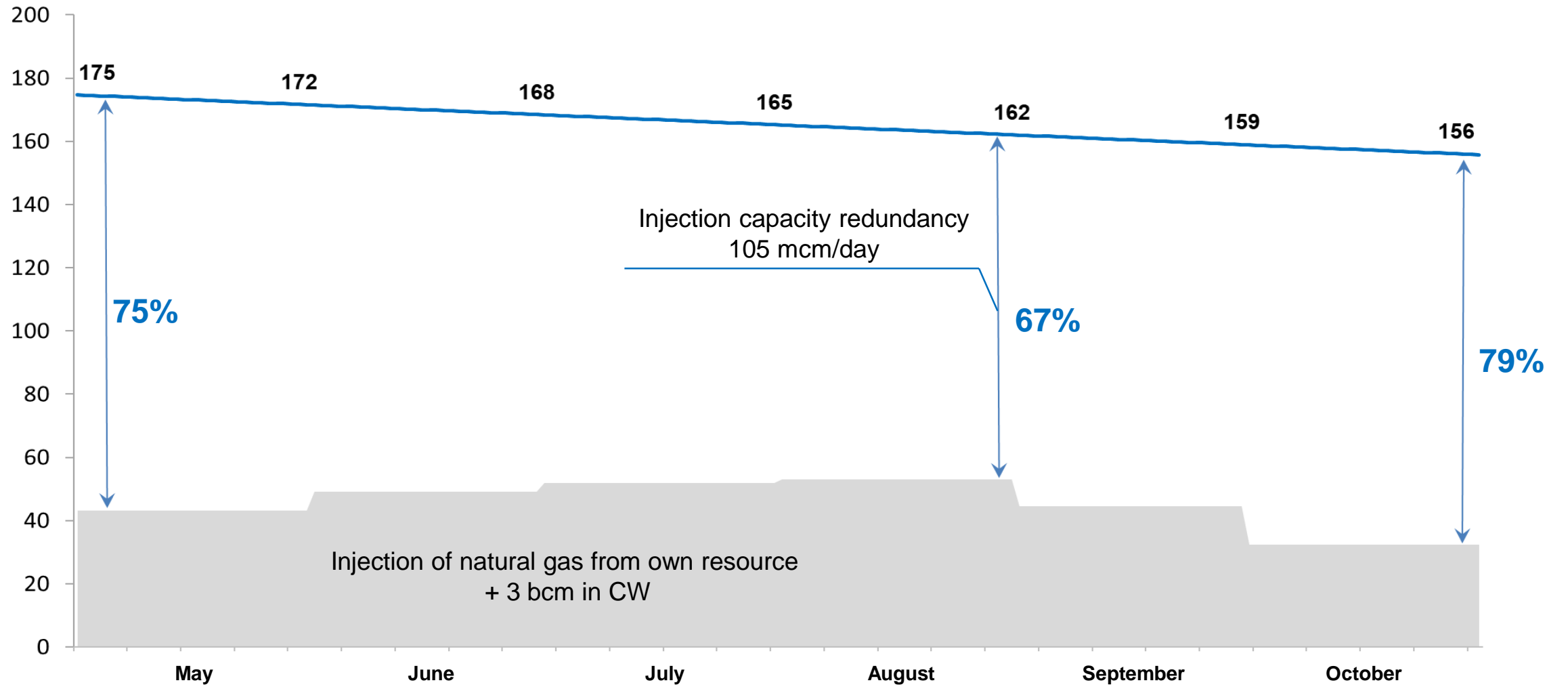
alternative modes of gas withdrawal have been developed in case of infrastructure damage

93%

effectiveness of Ukrainian Air Defense*

* According to the Air Force of Ukraine

INJECTION FORECAST FOR THE 2023 SEASON

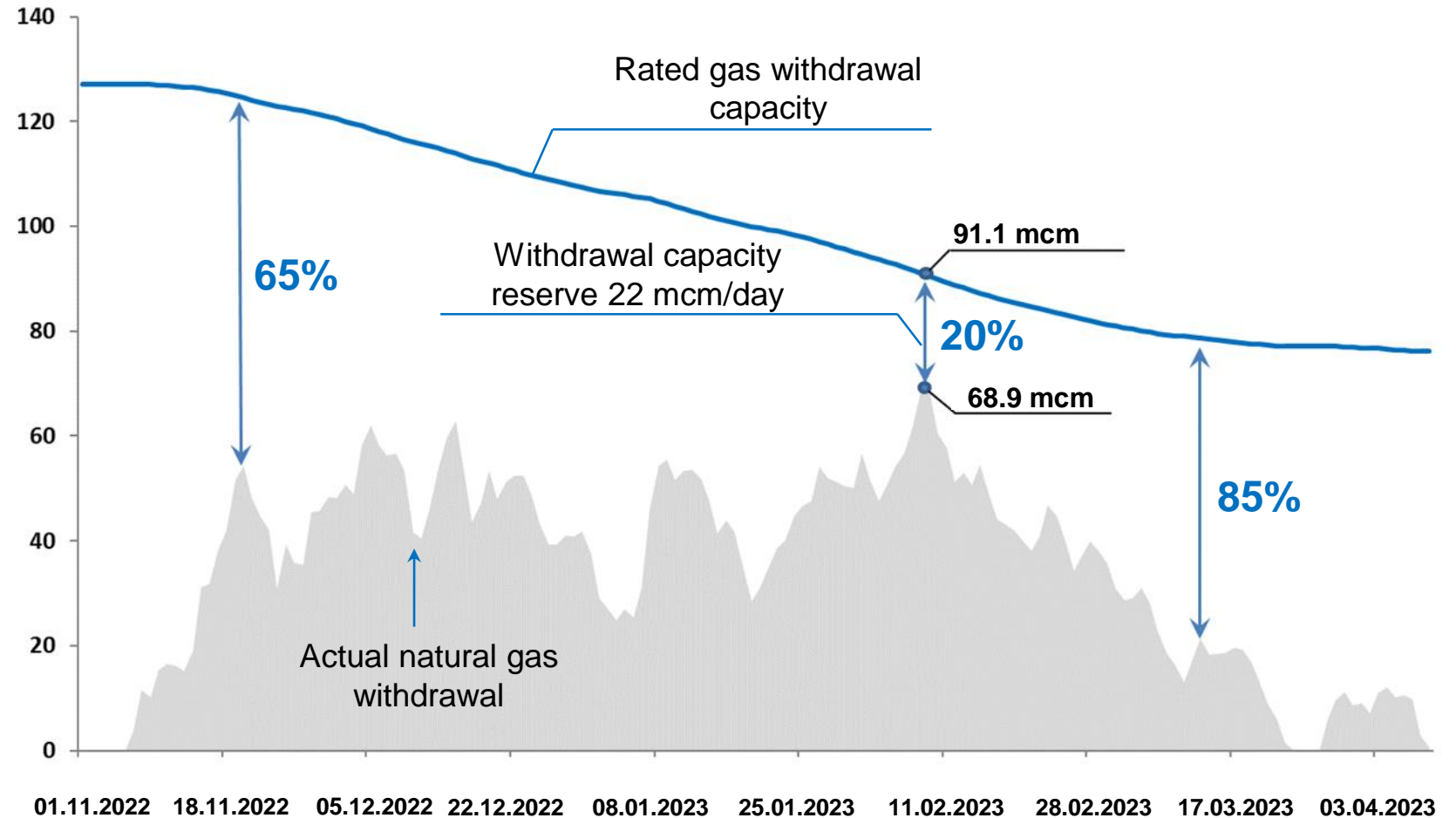


% - redundant injection capacity

ACTUAL UGS CAPACITY IN THE 2022-2023 AUTUMN-WINTER PERIOD

+3.5 °C – actual average ambient temperature during the withdrawal season.

5.57 bcm – gas withdrawal volume from UGS during the withdrawal season.



% - free withdrawal capacity

CAPACITIES OF GAS COMPRESSOR UNITS

Gas withdrawal volume in the 2022-2023 season – 5.6 bcm

80%
withdrawal with utilizing GCU

20%
withdrawal w/o utilizing GCU

13%
(67 MW)
utilized capacity

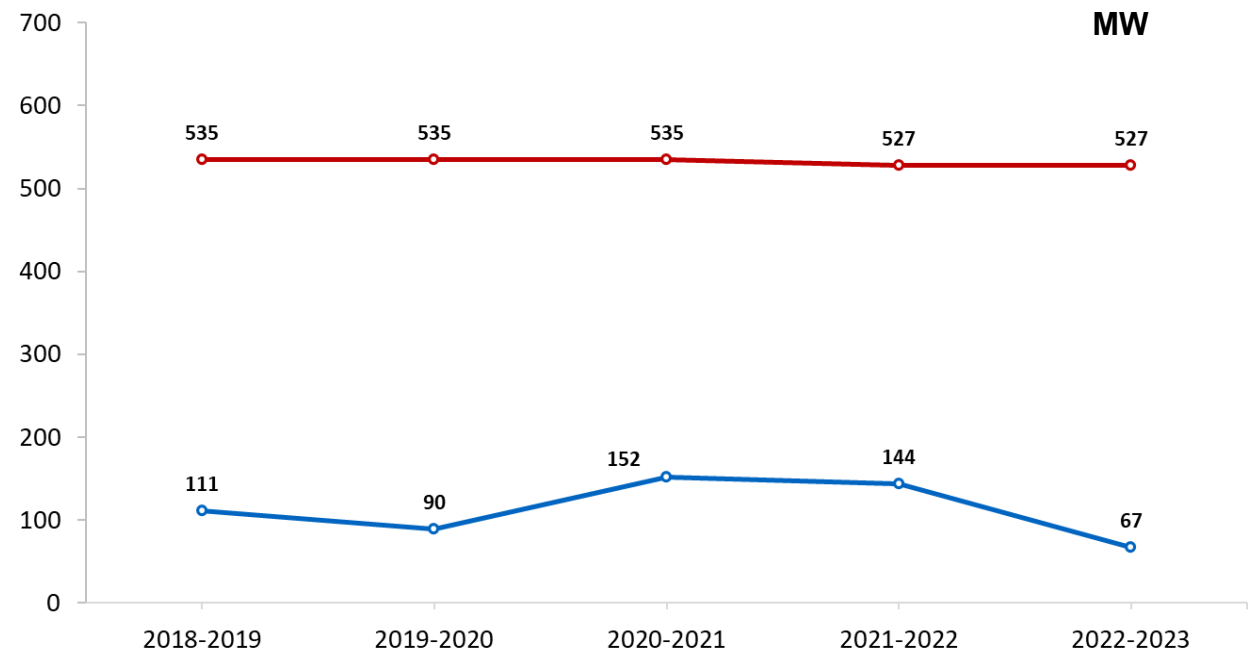
87%
(460 MW)
redundant capacity

Gas injection volume in the 2022 season – 6.1 bcm

40%
injection with utilizing GCU

60%
injection w/o utilizing GCU

Dynamics of gas compression capacity utilization

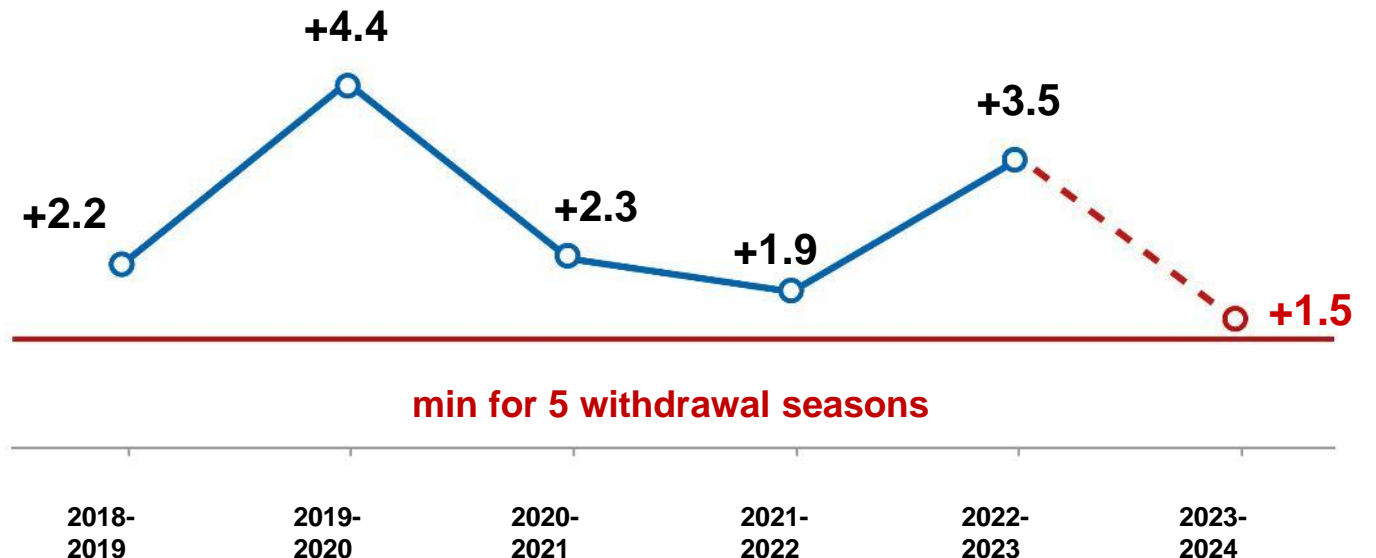


— Total capacity of booster compressor stations
— Utilized capacity of booster compressor stations

STRESS SCENARIO FOR THE 2023-2024 AUTUMN-WINTER PERIOD

	2023 injection resource
For consumers in Ukraine	5.6 bcm
Customs warehouse:	
option 1 – 1.0 bcm	6.6 bcm
option 2 – 2.0 bcm	7.6 bcm
option 3 – 3.0 bcm	8.6 bcm

Dynamics of changes in the average temperature for autumn-winter periods, °C



+1.5 °C – anticipated average ambient temperature for the 2023-2024 withdrawal season;

7.7 bcm – anticipated withdrawal from UGS in the 2023-2024 autumn-winter period (stress scenario), considering:

- electricity generation;
- cold weather;
- no gas imports.

The Ministry of Energy of Ukraine has submitted for a public discussion the **amendments to a National Action Plan** that provide for an **impossibility of preventing the re-export** from Ukraine of natural gas stored in UGS at a customs warehouse regime.

The amendments will enhance the guarantees for European and Ukrainian companies using a customs warehouse service.



**Commercial offer:
Store gas in Ukraine**



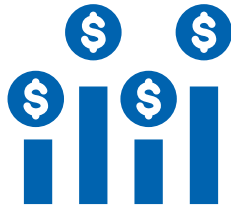
AGNETA KUTSELIM
HEAD OF COMMERCIAL DEPARTMENT



COMMERCIAL EFFICIENCY



**WORKING ON
UPDATED PRODUCT
PORTFOLIO/ CAPACITY TYPES**



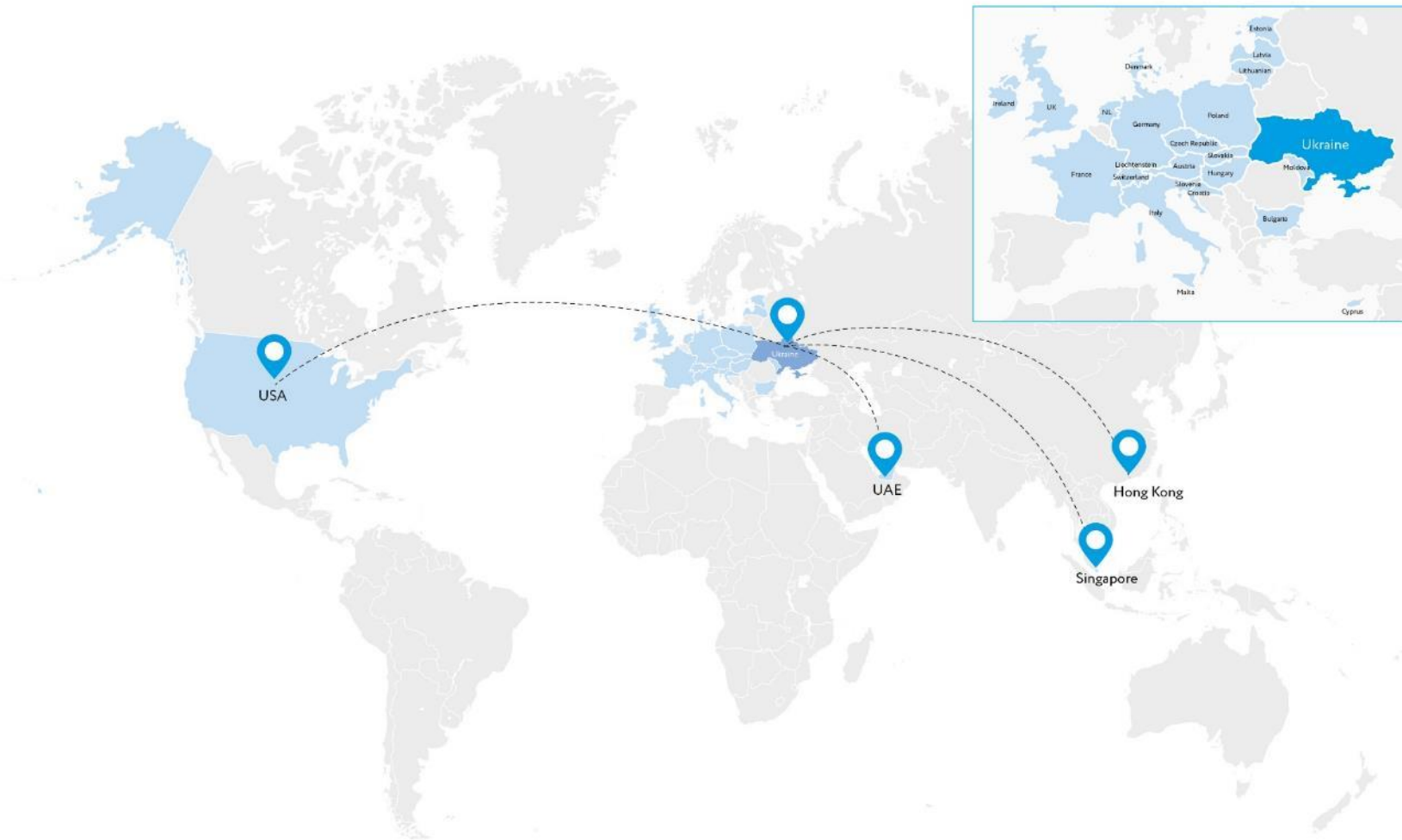
**COMPETITIVE PRICING
AND FLEXIBILITY OF BOOKING**



**FURTHER DIGITALIZATION
+ INTERACTION WITH
CUSTOMERS**

CUSTOMER PORTFOLIO

Ukrtransgaz, as the SSO of Ukraine, once again confirmed its full reliability and fulfillment of all contractual obligations.



**Storage agreements
(valid until 2028):***

1166
customers
59% active

128
incl. non-res
57% active

1038
incl. res
60% active

29
countries

* as of 01.06.2023

Tariff range for natural gas storage and transportation. Comparison with other SSOs.

Direction	TSO exit/entry + TSO UA entry/exit (short-haul) + SSO UA storage under customs warehouse regime, Euro per MWh			Country	Tariffs UGS, Euro per MWh
	Annual	Monthly	Day-ahead		
Poland – Ukraine – Poland	5.11	5.29	5.44	Poland	4.54 – 7.8
Hungary – Ukraine – Hungary	3.83	4.02	4.17	Hungary	5.6
Slovakia – Ukraine – Slovakia	5.12	5.31	5.45	Slovakia	9.57
Romania – Ukraine – Romania	3.07	3.25	3.40	Romania	4.65

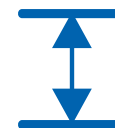
**the exchange rate was taken as of 01.06.2023*

The cost-based approach includes two models: Cost Plus and RAB regulation. The two models differ by the margin calculation methodology.



COST PLUS

Margin = fixed amount



RAB

Margin = RAB x Rate of return

- long-term tariffs (regulatory period - 3 years);
- predictability;
- investment incentives.

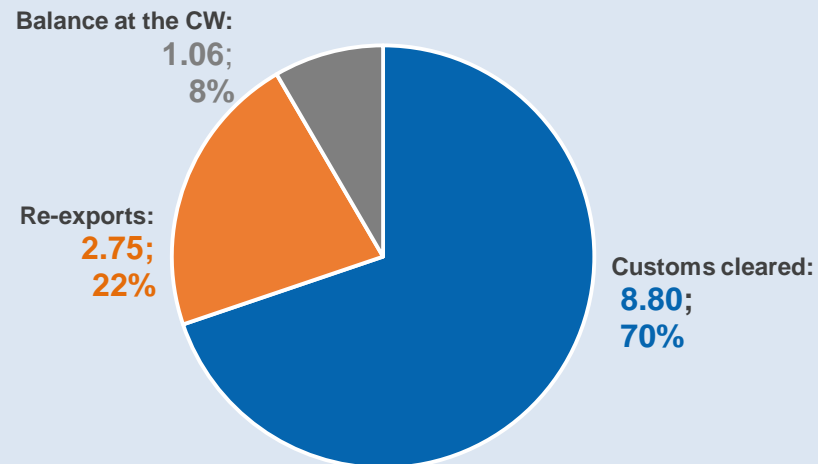
UKRAINIAN UGS FOR THE EUROPEAN MARKET

CW at the beginning of a period: **2.3 bcm**

Imports		Hungary	22%
10.3 bcm		Slovakia	50%
		Poland	28%

Short-haul: **60%**
Non-residents: **84%**

2020-2021, bcm



Re-exports		Hungary	59%
2.75 bcm		Poland	18%
		Slovakia	21%
		Moldova	2%

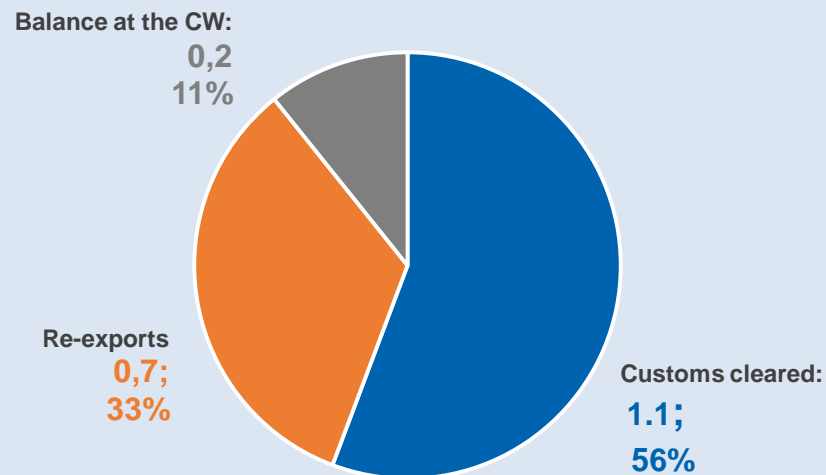
Short-haul: **85%**
Non-residents: **68%**

CW at the beginning of a period: **1.01 bcm**

Imports		Hungary	27%
0.9 bcm		Slovakia	36%
		Poland	24%
		Moldova	13%

Short-haul: **46%**
Non-residents: **72%**

2022-2023, bcm



Re-exports		Hungary	44%
0.7 bcm		Slovakia	15%
		Poland	14%
		Moldova	23%
		Romania	4%

Short-haul: **67%**
Non-residents: **89%**



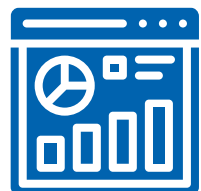
IMPROVED DATA EXCHANGE WITH THE TSO UA:

Exchange with data of periodic customs declarations using the AS4 protocol



AUTOMATION OF THE CUSTOMS WAREHOUSE:

Automatic execution of the injection/withdrawal Protocol and additional customs declarations



MORE ANALYTICAL INFORMATION FOR SERVICE CUSTOMERS:

Analytical gas balance, Customer's gas flow within UGS



IMPROVED WEB INTERFACE FOR EXTERNAL I-PLATFORM USERS:

Improvement of the Customer's I-PLATFORM Workplace, Protocol on the natural gas flow preparation



PROJECT ON RISK MITIGATION MEASURES:

- Working on an **initiative with the Energy Community (ECS)** to create **risk mitigation measures** for foreign customers;
- **Covering the war/political risks;**
- Ability to inject **significant volumes into UGS** under European/International guarantees.



MIGRATION OF THE INFORMATION PLATFORM TO SAP S4/HANA:

- High performance, security, and a **comfy interface for SAP FIORI** external users;
- Integration with mobile digital devices, **real-time analytics**, cloud solutions.



UPDATED PRODUCT PORTFOLIO AS PART OF AMENDMENTS TO THE STORAGE CODE:

- **Expanding the portfolio** of storage products and **types of capacities;**
- Greater **flexibility in booking** capacity;
- Attractive conditions for storage at the customs warehouse.



SWITCHING TO ENERGY UNITS:

- **Full synchronization** with the European gas market;
- Simplification of metering in UGS.

MIGRATION TO SAP S4/HANA AND ENERGY UNITS



HIGH PERFORMANCE AND UPDATED PLATFORM ARCHITECTURE FOR NEW PRODUCTS



ON-LINE ANALYTICS IN ENERGY UNITS



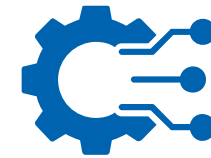
HIGH SECURITY LEVEL



COMFY INTERFACE FOR EXTERNAL USERS - SAP FIORI



CLOUD-BASED SOLUTIONS

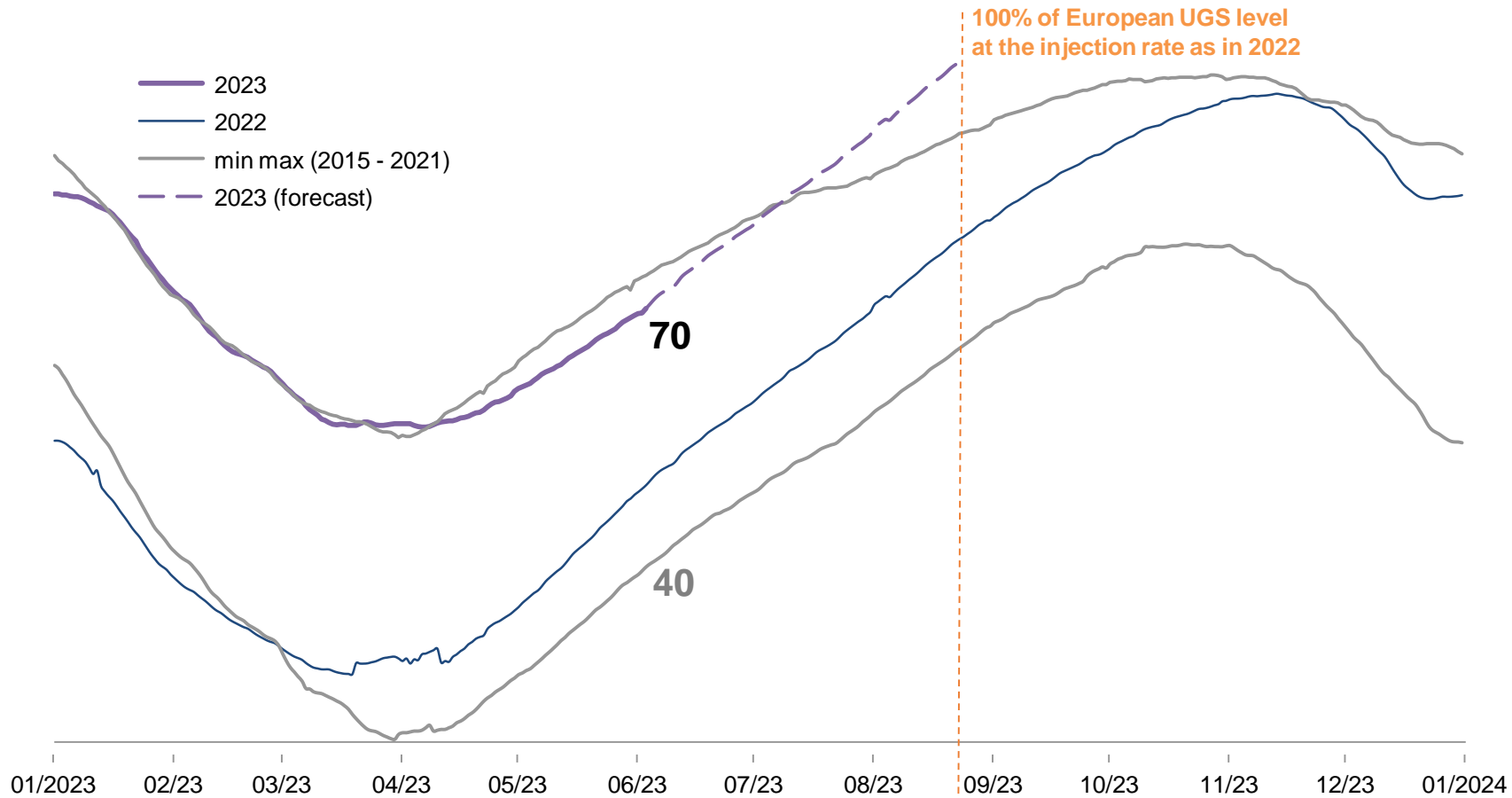


INTEGRATION WITH MOBILE DIGITAL DEVICES

TIMEFRAME FOR MIGRATION TO SAP S4/HANA - 2024-2025*

**Depends on the date of termination or cancellation of martial law in Ukraine to ensure compliance with provisions of the Law of Ukraine “On Amendments to certain laws of Ukraine on the introduction of gas metering and settlements for gas volume in energy units in the natural gas market” of 02 November 2021 No. 1850-IX.*

IN AUGUST, EUROPE WILL FILL ITS UGS AND START SEEKING ADDITIONAL CAPACITY, WHICH UKRAINE COULD OFFER



Source: AGSI

- In 2023, gas storages in Europe are expected to reach maximum levels in the end of August with similar injection rates as in 2022.
- At the same time, in neighboring countries such as Poland and the Romania, gas storages are expected to reach 90% capacity in the first half of August, in Slovakia - in June, and in Czech Republic - in July.
- That is, it is expected that in August, European countries will start actively look for additional gas storage capacities to cover the deficit.



Poland

15 August



Slovakia

30 June



Romania

14 August

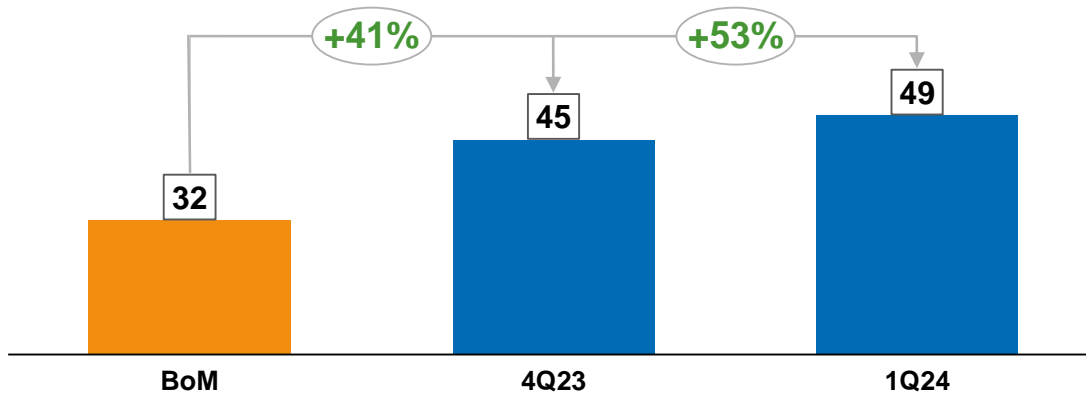


Czech Republic

15 July

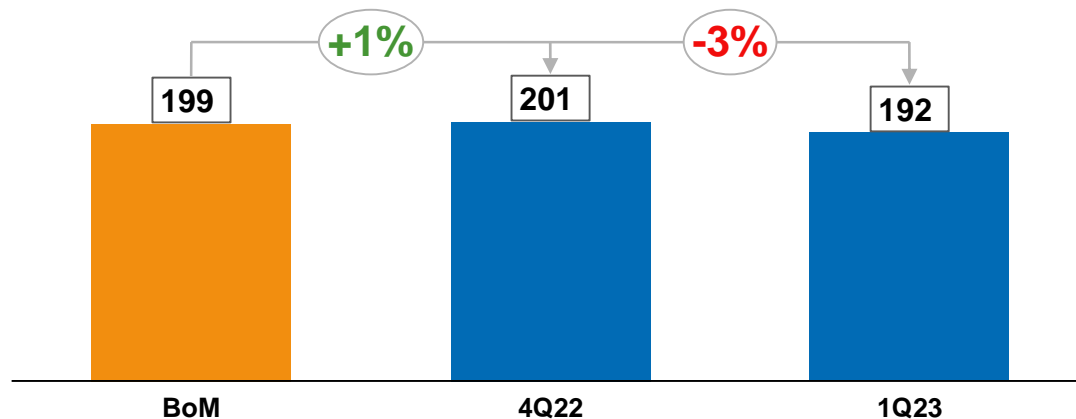
ATTRACTIVENESS OF SPREADS FOR INJECTION

Actual TTF quotes as of 10.06.2023, EUR/MWh



Spread is economically attractive

Actual TTF quotes as of beginning of August 2022, EUR/MWh



Spread is practically absent, significant volatility

- Thus, as of June, TTF forward values for a winter period are 41% and 53% higher than the current values of an index.
- e.g., in the midst of preparations for 22/23 heating season quotes for August were only 1-3% lower than the forwards of late 2022 and early 2023.

UA STORAGES: KEY PART OF EASTERN EUROPEAN GAS HUB

Long-term strategy - part of Energy balance of Europe and gas infrastructure of Eastern European gas hub

Store gas in Ukraine: opportunities for non-residents

10 bcm

2021

The largest non-residents' natural gas volume in gas storages of Ukraine

0.5 bcm

2022

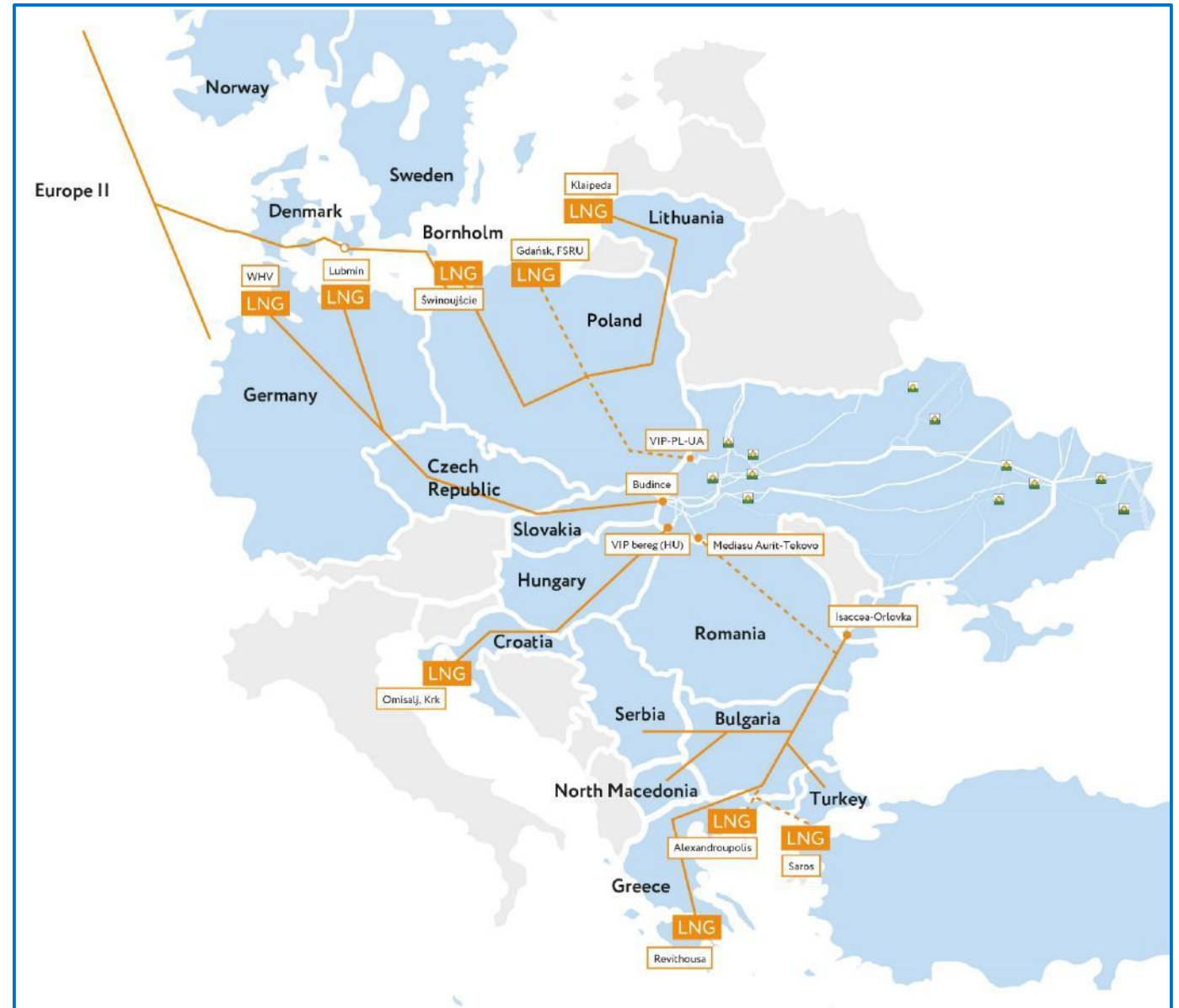
Ukraine was able to **reserve natural gas** of non-residents even during the **active phase of war**

up to

10 bcm

2023

Ukraine proposes to store natural gas **of non-residents**



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YOUR SAFETY**

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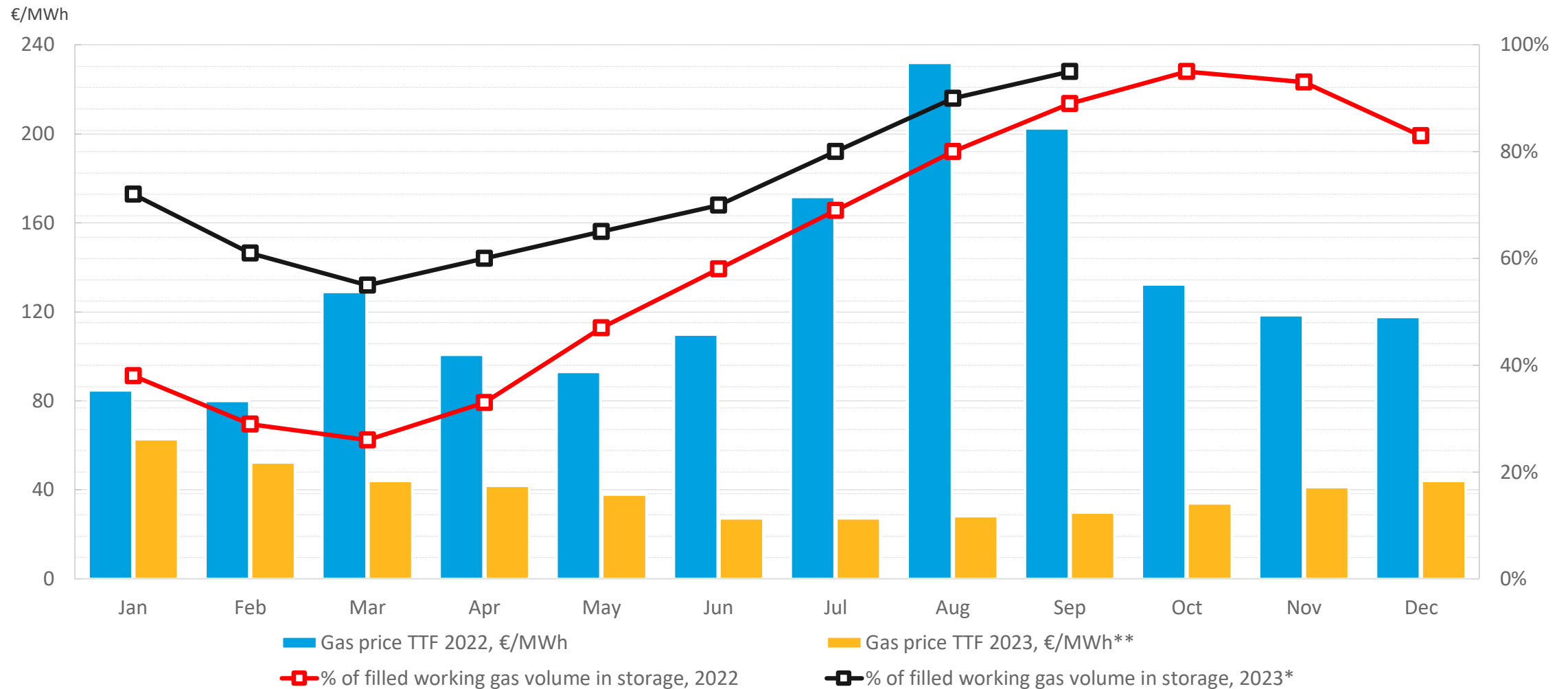
Market Opportunities: Price Spread and Cost of Gas Transportation to Ukraine

Andrii Prokofiev

Head of The Division Cooperation
with Clients of GTSOU

June 2023

Dynamics of the EU gas storage filling given the gas prices volatility

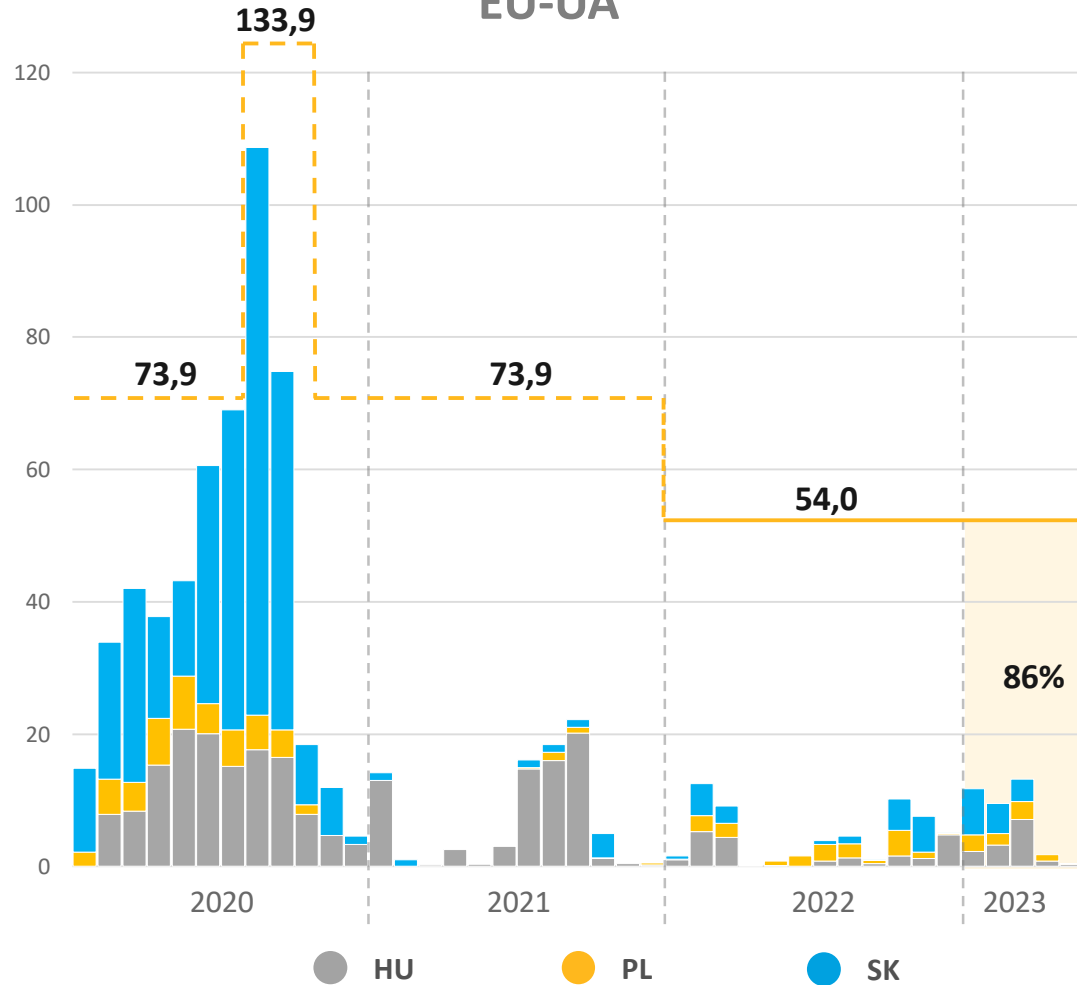


* Jun-Oct 2023 - forecast data

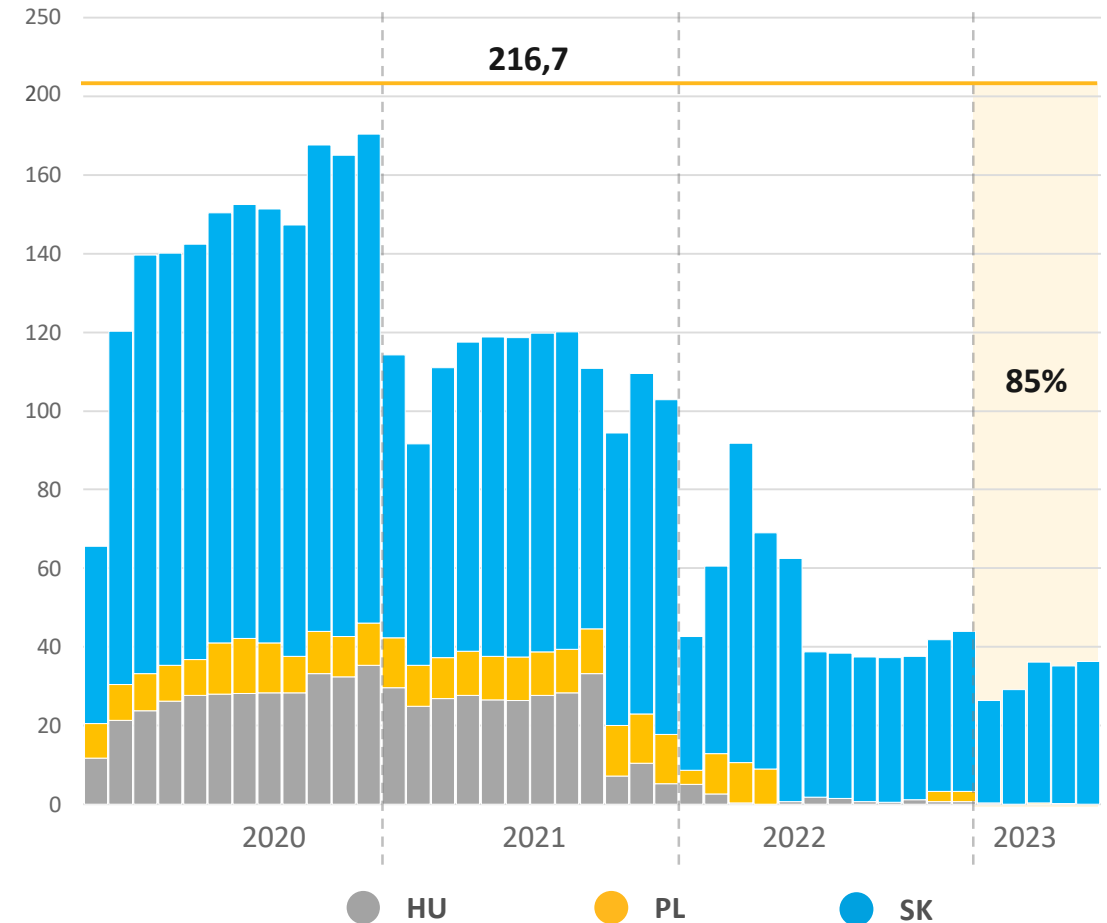
**Gas price for Jul-Dec 23 according to TTF monthly futures for respective month as of 09/06 as quoted by Argus

Utilization of EU-UA cross-border IPs

EU-UA

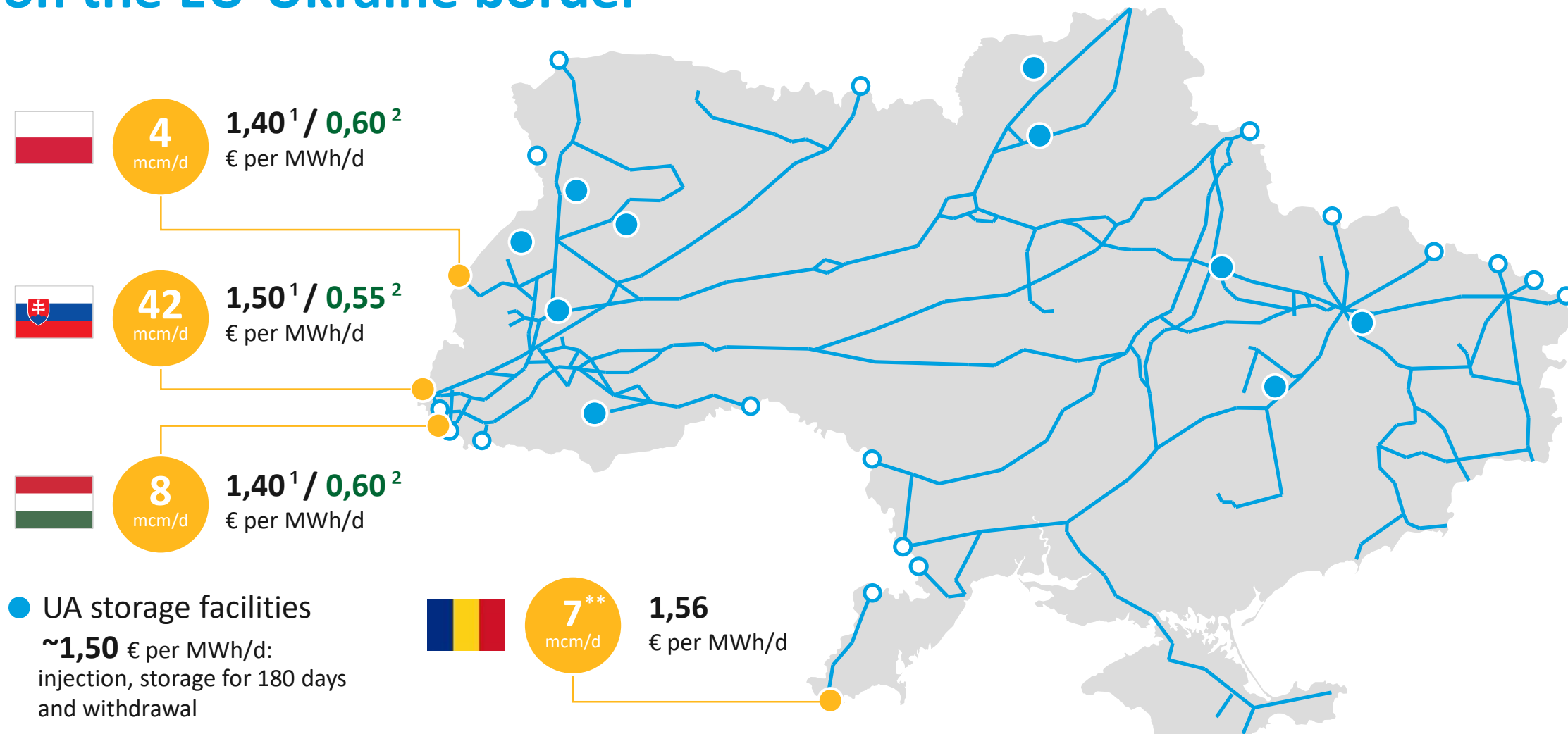


UA-EU



Capacity (mcm per day)
 Average flows during month via respective border (mcm per day)

Cost of services offered by GTSOU on the EU-Ukraine border*



1 Tariff for firm capacity (sum of entry and exit fees)

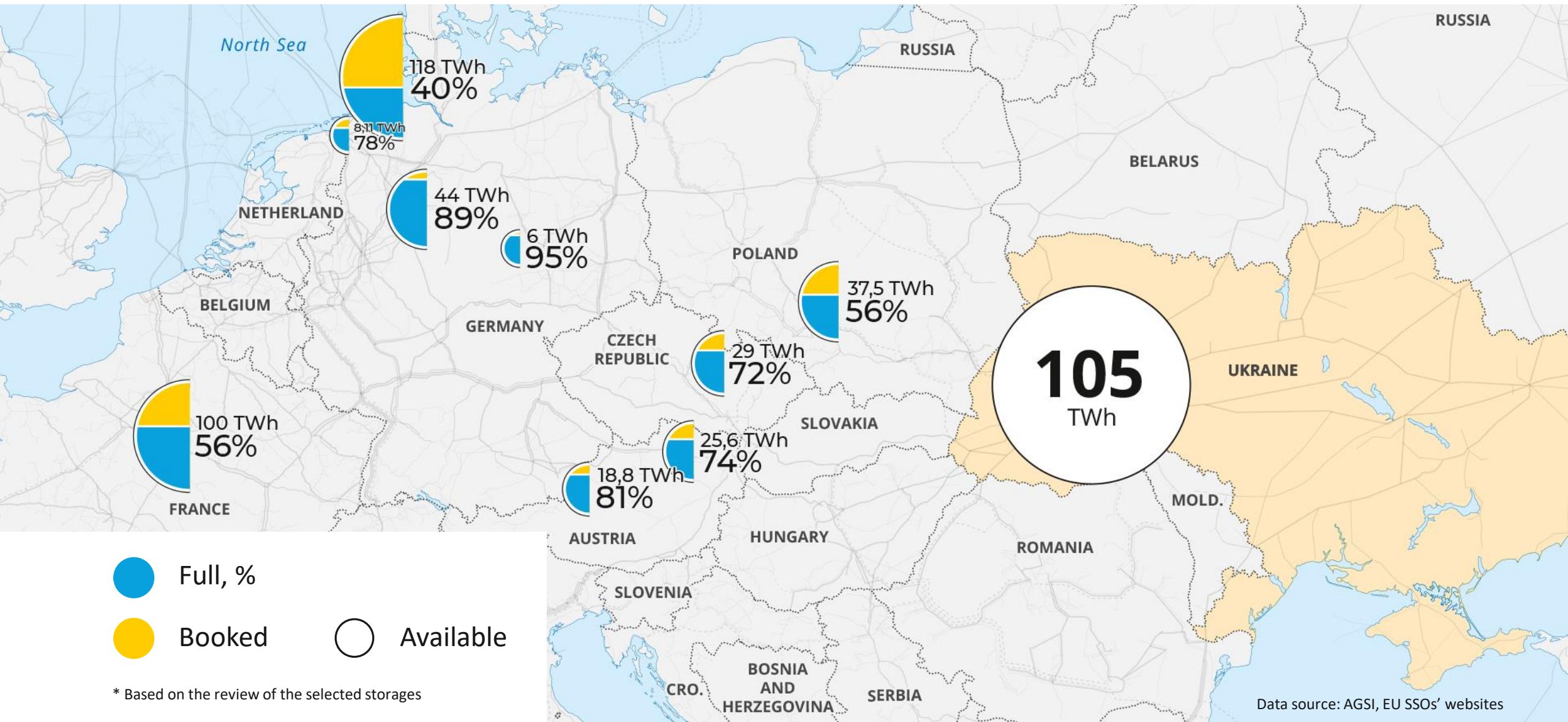
2 Tariff for discounted interruptible short-haul product (sum of entry and exit fees)

** Use of the Trans-Balkan route requires booking the capacities of MD GTS, the tariffs are not included in the calculations

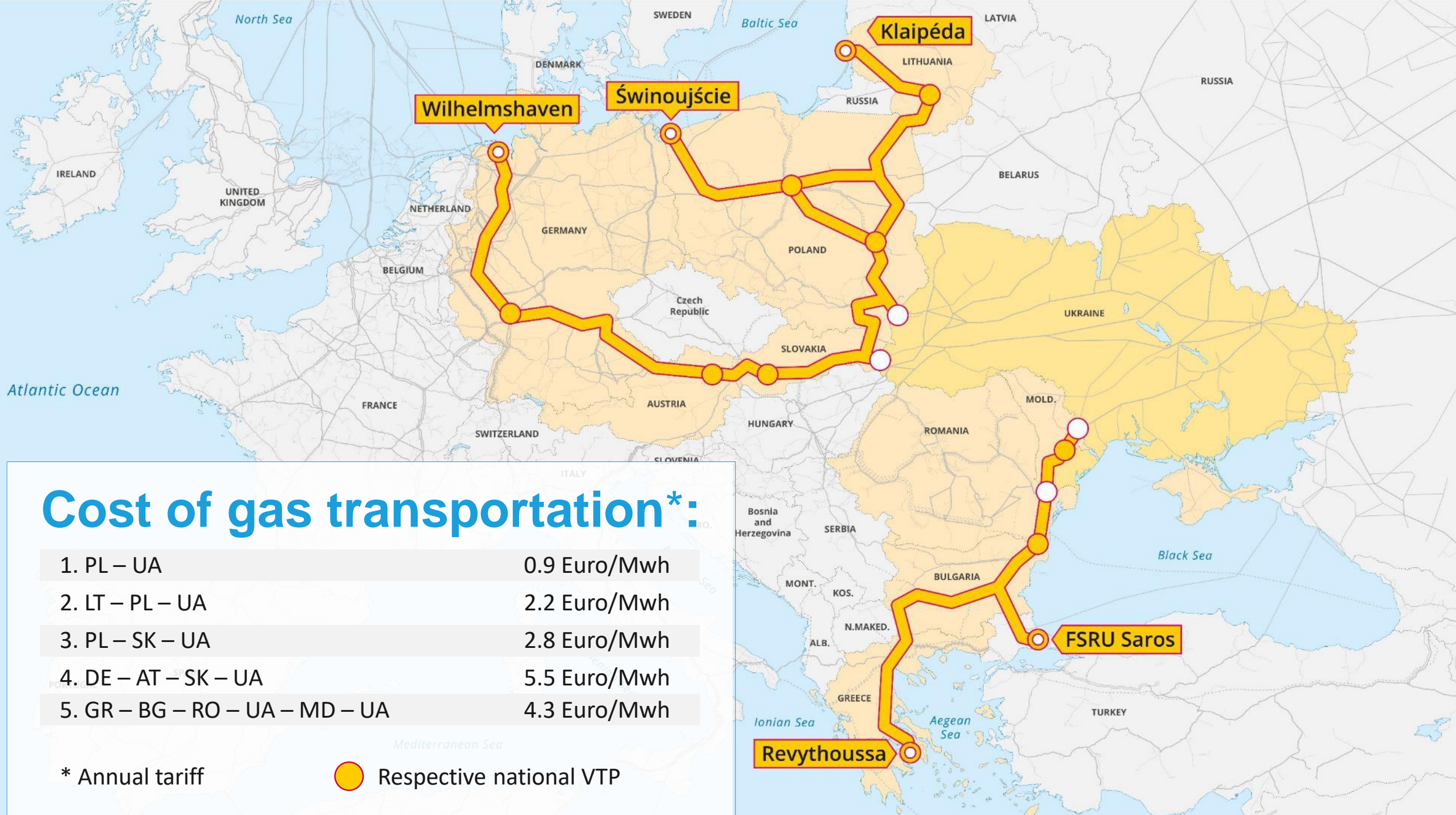
* Data source: GTSOU and Ukrtransgaz websites

Opportunities of UA gas infrastructure

Available storage capacity*



* Based on the review of the selected storages



**Poland as an Upstream Area for
Ukraine's Supply**

—

**Incremental Capacity Procedure
at the PL-UA border**

—

**GSA Platform as a tool for booking of
Incremental Capacity at the PL-UA border**

“EU-UA Partnership for Enhanced Business Opportunities”

Vienna, 14 June 2023



Poland as an Upstream Area for Ukraine's Supply

GAZ-SYSTEM RULES



- ▶ National Transmission System:
 - ▶ Transmission Network Code
 - ▶ Tariff

- ▶ Polish part of Transit Gas Pipeline System (ISO)
 - ▶ Transmission Network Code of TGPS
 - ▶ Tariff of TGPS

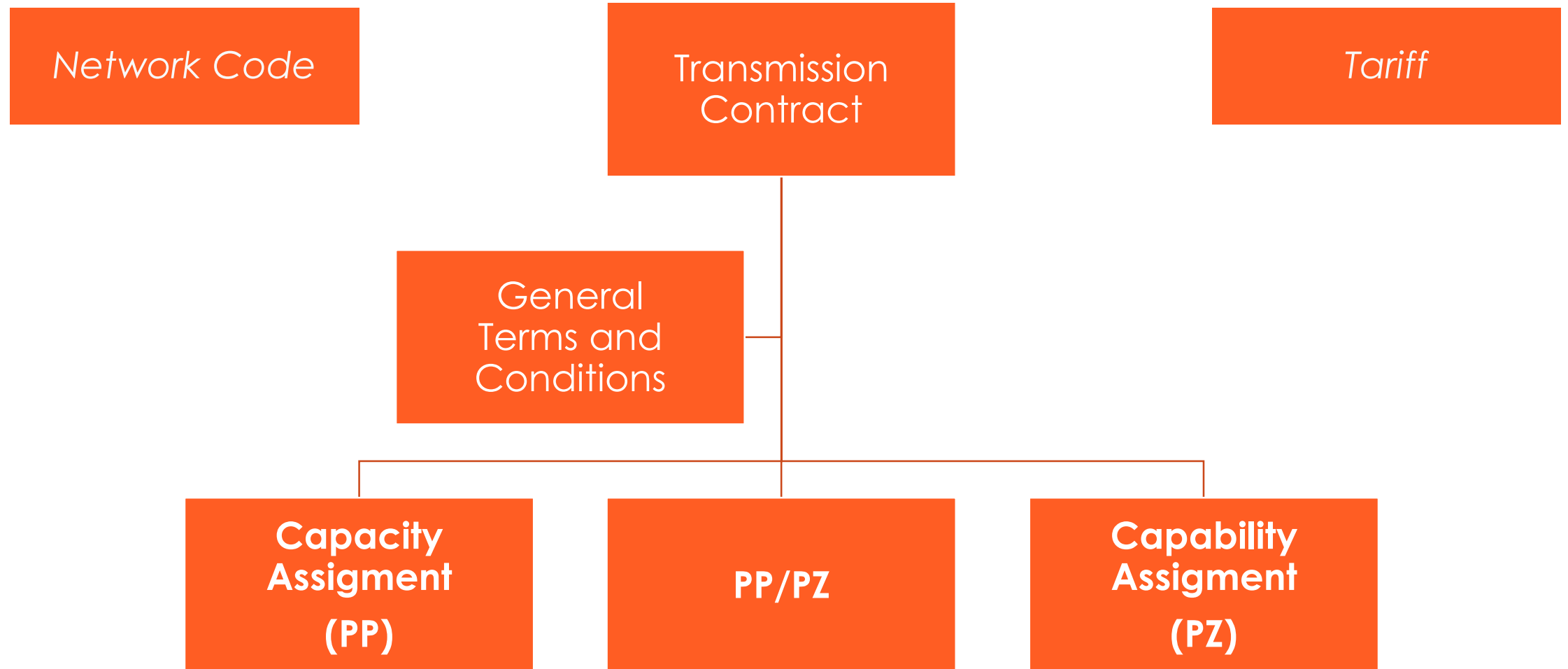
All above documents are approved by the President of Energy Regulatory Office

COOPERATION WITH POLISH POWER EXCHANGE



- ▶ Cooperation has begun in December 2011:
 - ▶ Operation agreement signed in 2011
 - ▶ First transaction concluded in December 2012 for January 2013
- ▶ GAZ-SYSTEM's Transmission Network Code describes the following TSO and gas exchange cooperation issues:
 - ▶ **transactions are concluded at the Virtual Trading Point**
 - ▶ **the nomination process for the Gas Exchange Virtual Trading Points (TGE on behalf of BRP/Shipper)**
- ▶ **Agreement concerning purchase of gas by TGE members are executed by TGE and GAZ-SYSTEM**

FORMAL FRAMEWORK OF TRANSMISSION SERVICE



HOW TO BECOME A GAZ-SYSTEM'S SHIPPER?



1

Registration of an entity and first representatives in the Information Exchange System (IES)

2

Submission of an application for provision of the transmission service via IES and conclusion of an agreement

3

Submission of an application form for capacity allocation via IES for specific (internal) points

Auctions on IP's held on the GSA Platform

REGISTRATION IN THE INFORMATION EXCHANGE SYSTEM

Step 1

First User Registration

Step 2

Delivery of the documents

- ✓ Power of attorneys to register in the IES.
- ✓ Power of attorneys to act in the IES within the scope of utilisation of services of GAZ-SYSTEM S.A. for submitting applications for transmission contract, capacity allocation (PP) and transmission ability allocation (PZ).
- ✓ Power of Attorney for Administrator within organisation (AWO) who is responsible for managing all Users accounts, modifying user roles for people in your organisation.
- ✓ Current extract from the National Court Register.

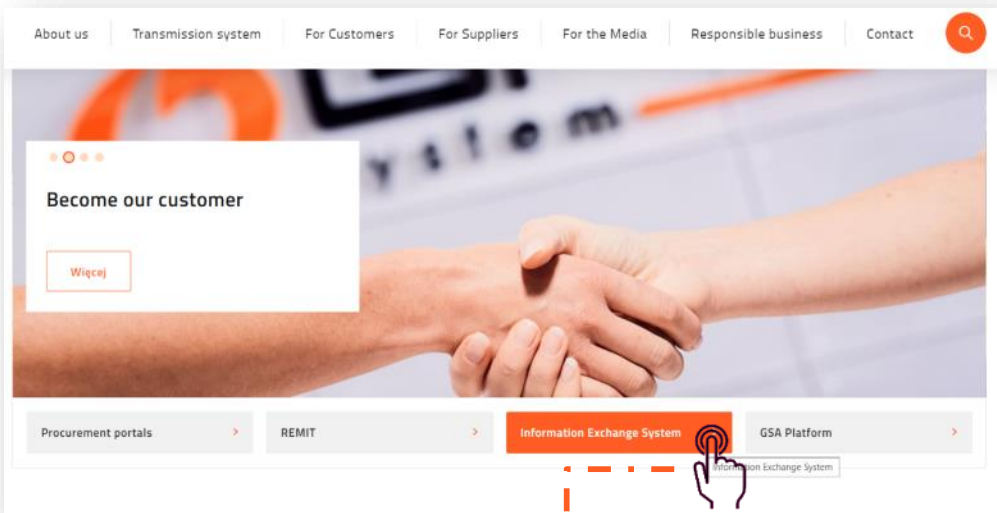
Step 3

Activation of the account

Activation of the User account by IES Team after positive verification of the documents.



CONTACT: [klient@gaz-system.pl](mailto: klient@gaz-system.pl)



Information Exchange System

User registration

User data

First name *

Surname *

Phone ☎

Mobile phone ☎

E-mail *

Language *

Groups

Organisations data

GAS INFRASTRUCTURE UPDATE 2022



BALTIC PIPE



**GIPL
POLAND - LITHUANIA**



**POLAND -
SLOVAKIA**



**NORTH-SOUTH
CORRIDOR**



**EXPANSION OF LNG
TERMINAL**

GAZ-SYSTEM'S STRATEGIC PROJECTS

10 bcm/year (to PL)
3 bcm/year (to DK)
Operational since October 2022

 **BALTIC PIPE PROJECT**

FSRU GDAŃSK

At least 6,1 bcm/year
Commissioning: December 2027

EXTENSION OF LNG TERMINAL IN ŚWINOUJŚCIE



Current capacity: 7,2 bcm/year
After full expansion: 8,3 bcm/year
Commissioning: December 2023

POLAND-LITHUANIA INTERCONNECTION (GIPL)

2,4 bcm/year (to LT) / 1,9 bcm/year (to PL)
Operational since May 2022

GUSTORZYN-WRONÓW PIPELINE

Commissioning: Expected in December 2023

NORTH-SOUTH CORRIDOR

Operational since 2022

PL-UA (under incremental procedure)

Demand requested for connection PL towards UA:
3 869 863 kWh/h (3 bcm/y)

 PL-CZ (under consideration)

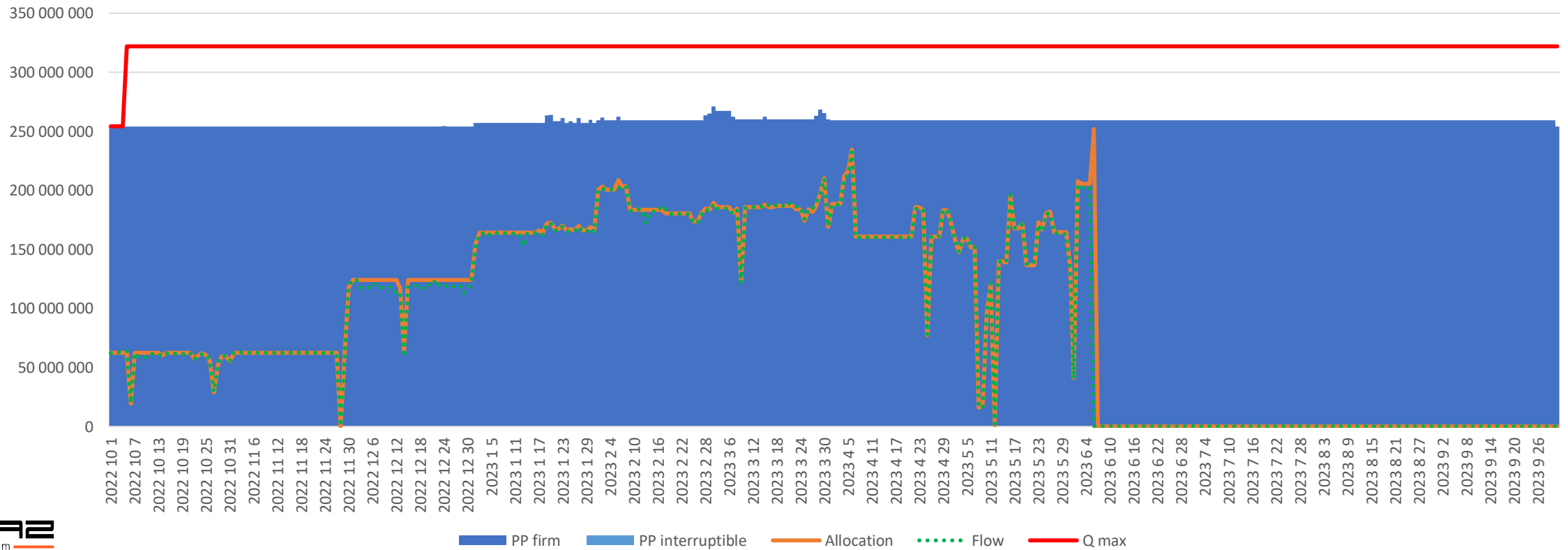
POLAND-SLOVAKIA INTERCONNECTION

5,7 bcm/year (to PL) / 4,7 bcm/year (to SK)
Operational since November 2022

AVAILABLE CAPACITIES DENMARK TOWARDS POLAND



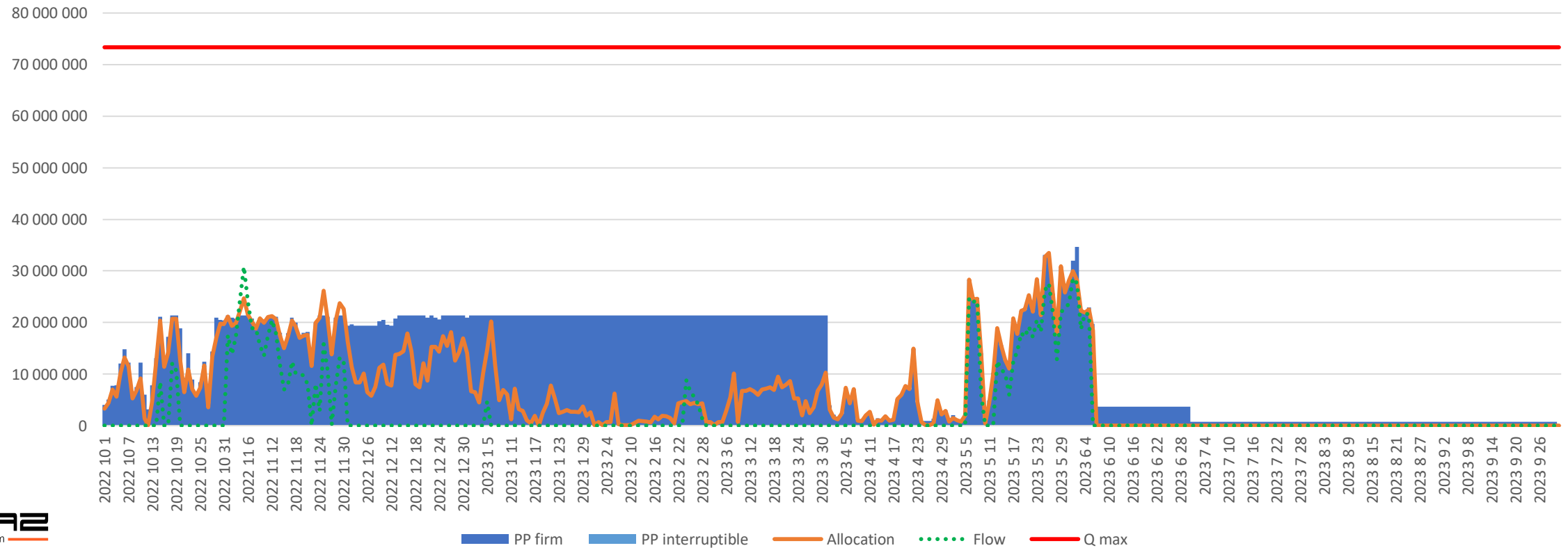
Faxe towards Poland [kWh/d]



AVAILABLE CAPACITIES LITHUANIA TOWARDS POLAND



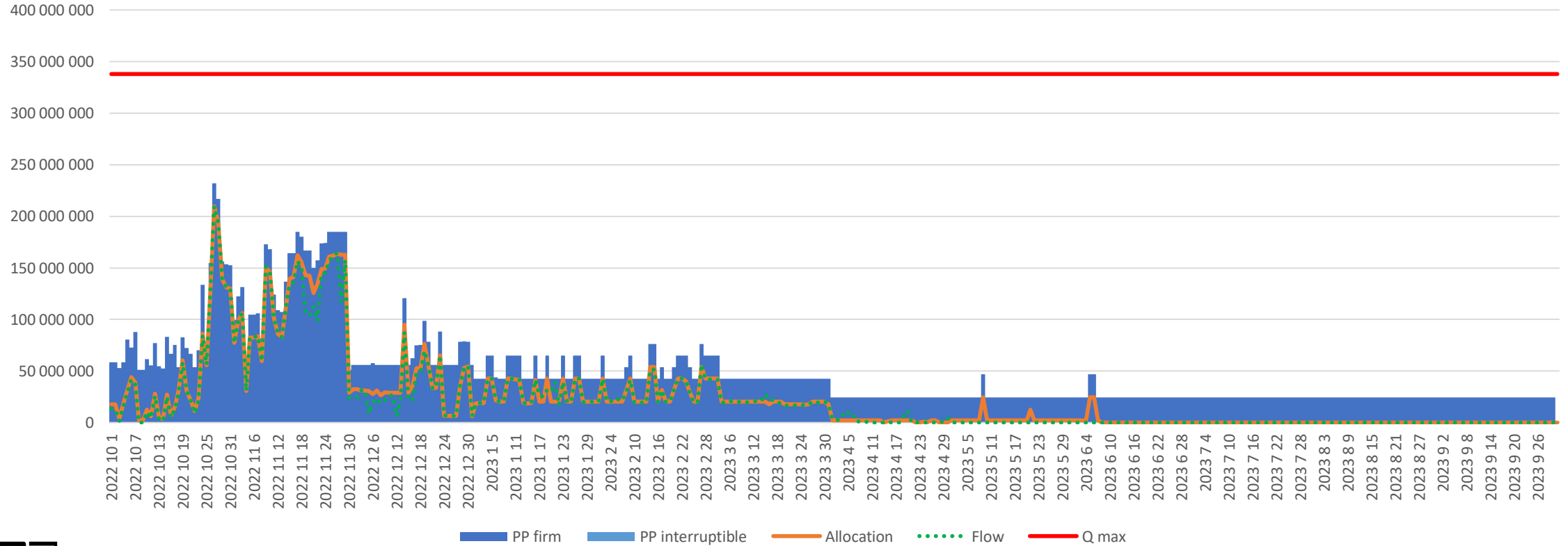
Santaka towards Poland [kWh/d]



AVAILABLE CAPACITIES (PWP)



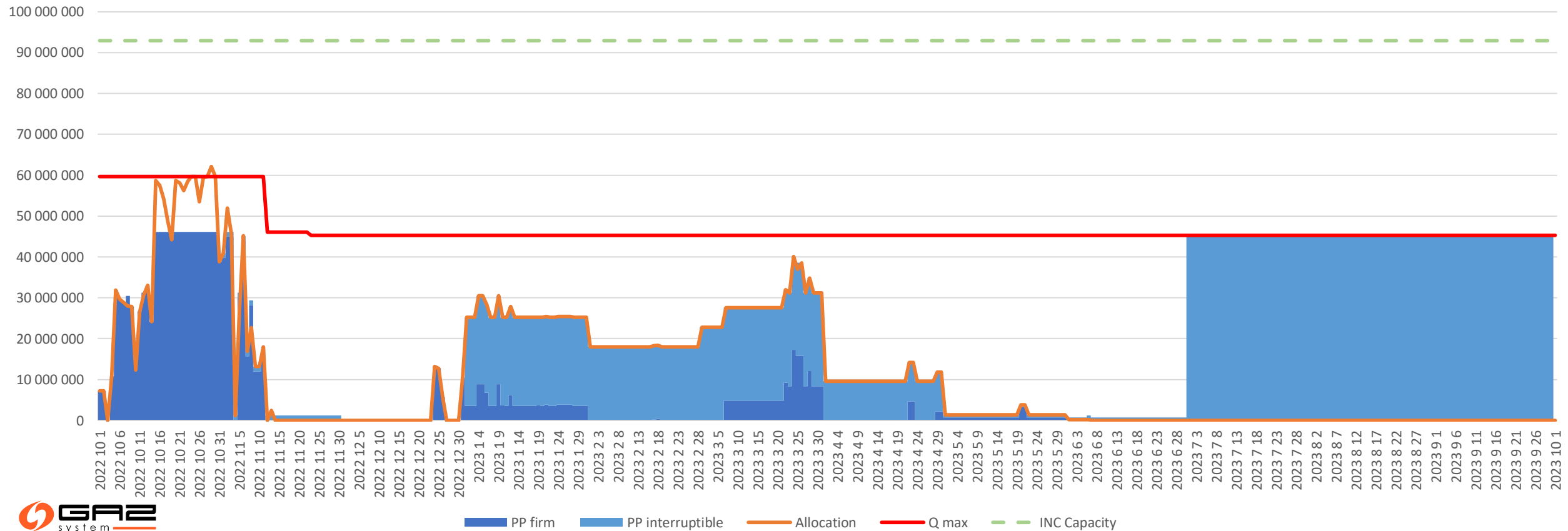
PWP towards Poland [kWh/d]



AVAILABLE AND PLANNED CAPACITIES POLAND TOWARDS UKRAINE

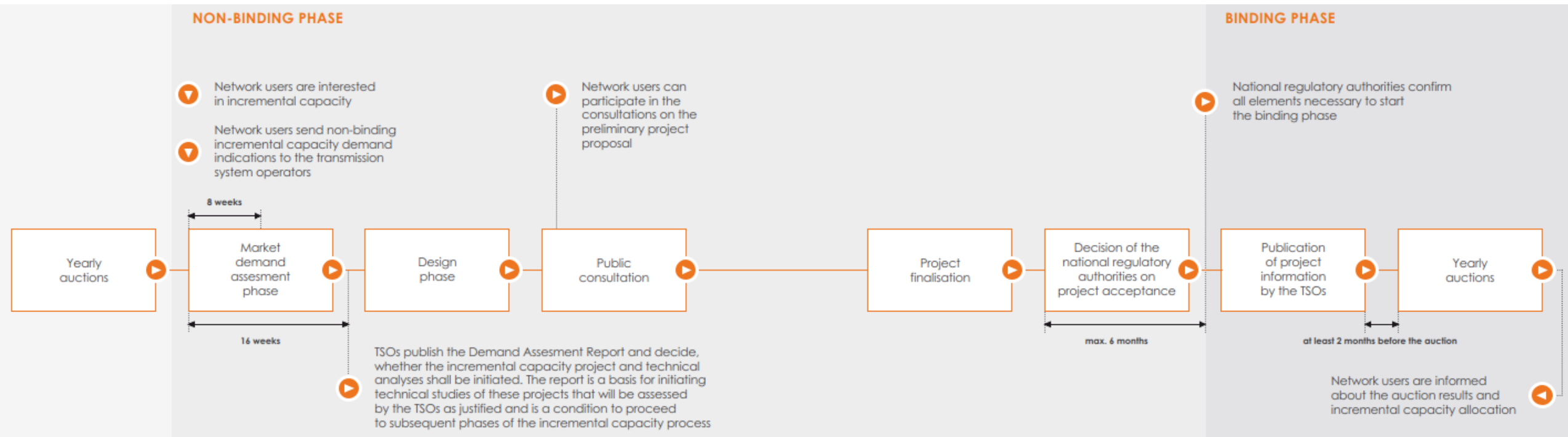


GCP GAZ-SYSTEM/UA TSO towards Ukraine [kWh/d]



Incremental Capacity Procedure at the border between Poland and Ukraine

INCREMENTAL PROCEDURE



- ❖ The **incremental capacity process** has been introduced by the Commission Regulation (EU) 2017/459 (CAM NC) as an EU-wide streamlined and harmonised process that via market-based procedures can lead to a possible future increase in existing technical capacity or developing new capacity.
- ❖ The aim of the incremental capacity process is to identify the need for additional capacity and to allocate both existing and incremental capacity in an integrated way.

INCREMENTAL PROCEDURE

In line with CAM NC:

No later than 8 weeks after the start of the annual yearly capacity auction **at least in each odd-numbered year**, the concerned transmission system operators on each side of an entry-exit system border shall produce **common market Demand Assessment Reports**, each covering all interconnection points of at least one entry-exit system border.

Incremental capacity may be offered based on investment in physical infrastructure or long-term capacity optimisation, and is subsequently allocated subject to the positive outcome of an economic test, in the following cases:

- ❖ At existing interconnection points (IPs);
- ❖ By establishing a new IP;
- ❖ With physical reverse flow capacity at an IP, which has not been offered before.

INCREMENTAL PROCEDURE 2021-2023

The result of a joint market demand assessment:

- ❖ GCP GAZ-SYSTEM/UA TSO
- ❖ Direction **from Poland to Ukraine**
- ❖ Total incremental capacity: 3 869 863 kWh/h*
- ❖ Offer Level: 3 095 890 kWh/h
- ❖ Gas years: from 2030/2031 to 2044/2045

*(8,3 mcm/d, assumed gross calorific value 11.15 kWh/m³ (0/25))



**Demand assessment report
for incremental capacity
between Polish gas transmission system and
Ukrainian gas transmission system**

2021-10-25

INCREMENTAL CAPACITY PROJECT ON THE BORDER BETWEEN PL-UA (INC 2021-2023 NON-BINDING PHASE)



INCREMENTAL CAPACITY PROJECT PARAMETRES (PL → UA)



Poland

- ❖ Q2 2030
- ❖ f-factor = 1 (coverage of investments exclusively at the expense of the market)
- ❖ Construction of a new DN 1000 gas pipeline Wronów – Rozwadów - Strachocina (L=247 km) and metering station in Hermanowice
- ❖ CAPEX: EUR 359.2 million
- ❖ Reference price for economic test: EUR 0.528 /((MWh/h)/h)
- ❖ Mandatory minimum premium: EUR 0.559/((MWh/h)/h)



Total incremental capacity:
3 869 863 kWh/h (**3 bcm/y**)

Offer Level: 3 095 890 kWh/h

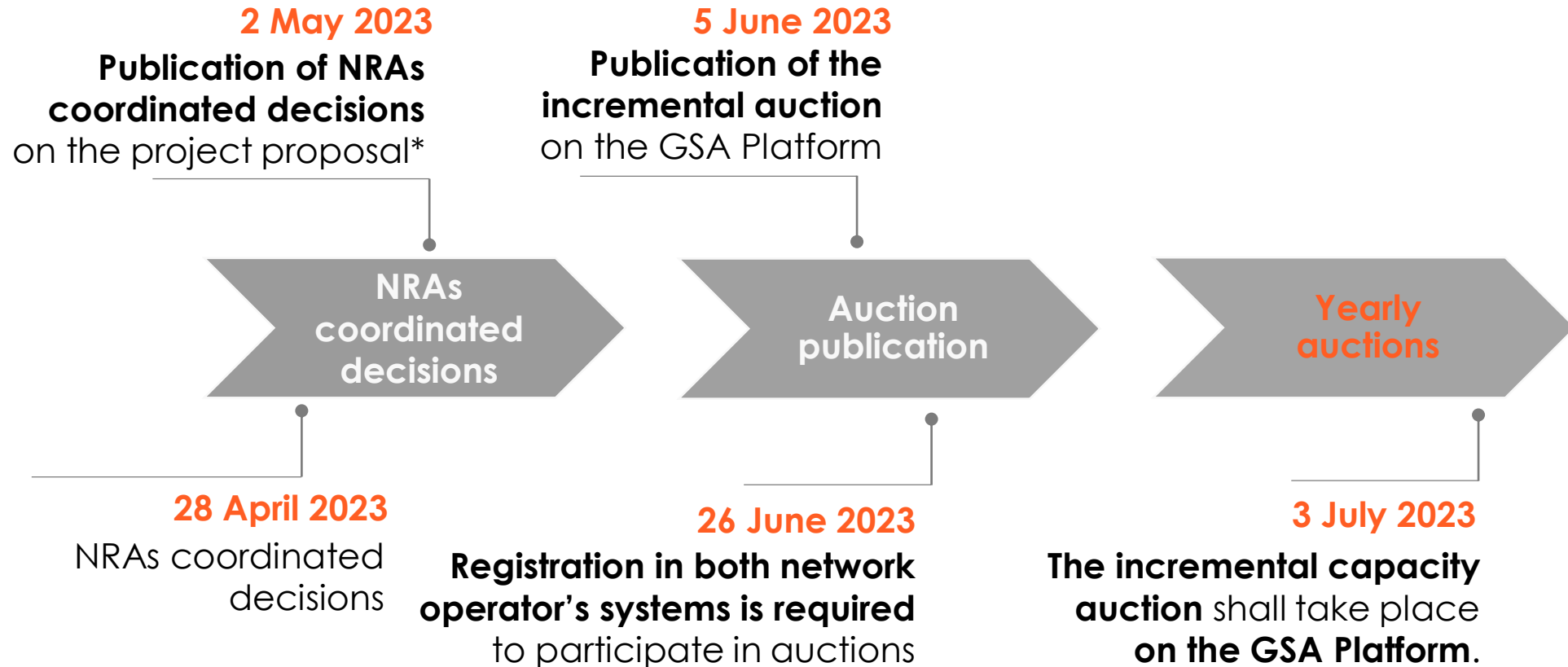
From 2030/2031 to 2044/2045



Ukraine

- ❖ Q4 2028
- ❖ f-factor = 0 (coverage of investments at the expense of amortization deductions provided for in the tariff)
- ❖ Reconstruction of compressor station “Komarno”
- ❖ CAPEX: EUR 82.3 million excl. VAT
- ❖ Reference price for economic test: EUR 0.374/((MWh/h)/h) excl. VAT

INCREMENTAL CAPACITY PROJECT ON THE BORDER BETWEEN PL-UA (INC 2021-2023 BINDING PHASE)



*PL: <https://www.gaz-system.pl/en/for-media/press-releases/2023/may/02-05-2023-decision-of-the-president-of-the-energy-regulatory-office-ero-approving-the-incremental-capacity-project-proposal-for-the-border-between-poland-and-ukraine.html>

*UA: <https://tsoua.com/en/news/neurc-approved-the-draft-project-proposal-for-the-incremental-capacity-project-at-the-entry-interconnection-point-with-poland/>

INCREMENTAL AUCTION 3 JULY 2023

General terms and conditions (INC GT&C) to which network users shall agree in order to obtain access to incremental capacity auction (GTSOU and GAZ-SYSTEM documents respectively).

GAZ-SYSTEM INC GT&C	GTSOU INC GT&C
<p>In order to participate in the Auction, a shipper, <u>no later than one week before</u> the start of the Auction, shall:</p>	
<ul style="list-style-type: none"> • enter into a transmission contract with GAZ-SYSTEM in accordance with the provisions of the TNC; 	<ul style="list-style-type: none"> • conclude the Natural Gas Transportation Agreement;
<ul style="list-style-type: none"> • submit a power of attorney for the persons authorized to participate in the Auction, unless the System User has already presented such power of attorney; 	<ul style="list-style-type: none"> • not have any overdue debts;
<ul style="list-style-type: none"> • register on the GSA Platform; 	<ul style="list-style-type: none"> • be registered on the GSA Platform;
<ul style="list-style-type: none"> • submit financial securities in the value and form set out in this INC GT& (in acc. with point 5 INC GT&C). 	<ul style="list-style-type: none"> • sign and send to GTSOU an Application for Accession to the INC GT&C.

GSA Platform as a tool for booking of incremental capacity at the Polish-Ukrainian border

GREAT SOLUTION FOR AUCTIONING

GSA Platform as a tool for booking of
incremental capacity at the Polish-Ukrainian
border



GSA Platform



Functionalities



GSA Platform

MAIN FUNCIONALITIES ON THE GSA PLATFORM



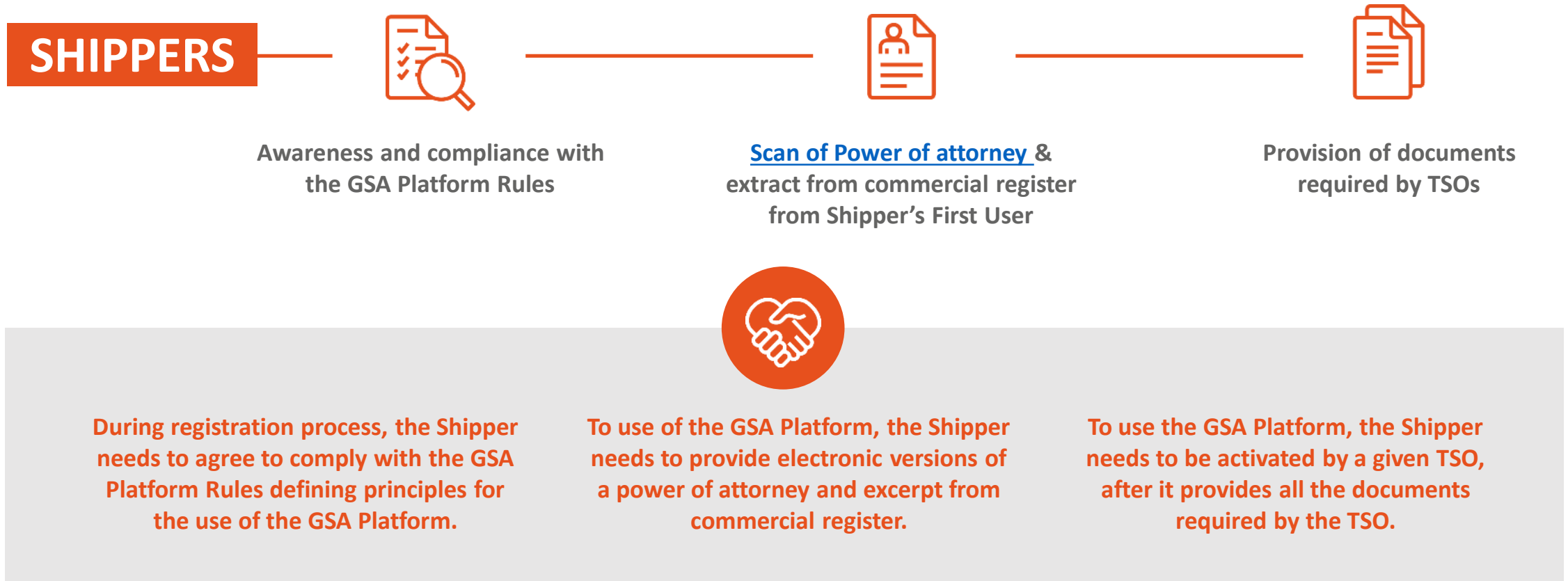


Registration and permissions



GSA Platform

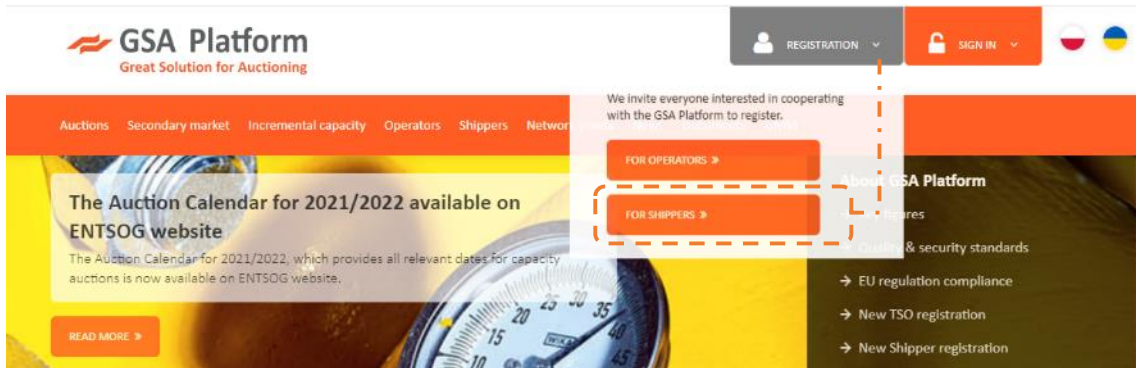
HOW TO ACCESS GSA PLATFORM – SHIPPERS PERSPECTIVE



REGISTRATION ON THE GSA PLATFORM

Step 1

Platform User Registration



Signup : User

Login *

First name *

Last name *

E-mail *

EIC *

Line phone

Mobile phone *

Notification language *

Time zone *

Fields marked with asterisk (*) are required

Next

Step 2

⚠️ All data should be compliant with the data provided in the PoA required for registration

⚠️ According to the GSA Platform Rules, an e-mail address cannot be with a public domain

REGISTRATION ON THE GSA PLATFORM

Step 2

System User Registration

Signup : Company

ZUP code

EIC *

Full name *

Short name *

Postal address and city *

Address *

Website

VAT number

IBAN number

BIC number

Currency *

Language *

A Choose TSO for Auction *

Available: Filter
AB "Amber Grid"
Eustream
GAS TSO OF UKRAINE LLC
GAZ-SYSTEM
GAZ-SYSTEM IFC

Selected: Filter

B Choose TSO for Secondary Market *

Available: Filter
AB "Amber Grid"
Eustream
GAS TSO OF UKRAINE LLC
GAZ-SYSTEM
GAZ-SYSTEM IFC

Selected: Filter

C Choose TSO for Market Demand Assessment *

Available: Filter
AB "Amber Grid"
Eustream
GAS TSO OF UKRAINE LLC
GAZ-SYSTEM
GAZ-SYSTEM IFC

Selected: Filter

Fields marked with asterisk (*) are required

1

Indication of the System User data.

2

Select the Operator(s) to which the request for association will be sent (**Auctions, Secondary Market and Market Demand Assessment**)
After completing the form with the required information confirm the entered information with the button "Next".

Step 3

Acceptance of Terms and Conditions

Signup : Terms

Accept terms * GSA Platform Rules

I agree * I hereby give my consent to the processing of my personal data in accordance with the Law of 29.08.1997 on the Protection of Personal Data (Journal of Laws of 2002 No. 101, item. 926, as amended.) by the Gas Transmission Operator GAZ-SYSTEM S.A. with its registered office in Warsaw, within the scope and with the aim to provide services specified in the GAZ-SYSTEM Auctions Platform Rules. The processing of the personal data shall be based on the principles specified in the GAZ-SYSTEM Auctions Platform Rules.

PIN code *

Fields marked with asterisk (*) are required

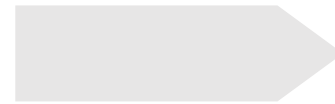
REGISTRATION ON THE GSA PLATFORM



Step 4

Confirmation of the registration

To confirm your e-mail address, click on the link generated in the e-mail you received, and a window will open enabling you to set a password for your login. Click on "**SAVE**" to save your password.



Step 5

Delivery of the registration documents

In order to complete the registration process, scans of the required registration documents should be sent to aukcje@gsaplatform.eu i.e.:

- [power of attorney to register](#) on the GSA Platform (only for the first User)
- current copy of the **extract from National Court Register**



Step 6

Activation of the account

After receiving the documents, the GSA Platform Administrator activates the account, simultaneously generating an e-mail notification to the User about the possibility of logging on to the system. The First User receives the role of the Organisation Administrator (AO)


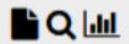

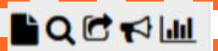
 *Each next user within an organisation also should register on the GSA by entering their organisation's EIC code on the first page of the registration form. Then the Organisation Administrator should accept the new account, and thereafter the account will be activated by the GSA Platform Operator.*

HOW TO GET ACCEPTED BY TSO

➤ If shipper didn't indicate TSO during registration process or would like to add another TSO to cooperate with, should enter to the List of Operators bookmark available in menu General

List of Operators

Search

Full name	Short name	Logo	ZUP code	EIC	Address	Website	Operations
GAZ - SYSTEM ISO	GAZ-SYSTEM ISO		21V0000000000003V	21V000000000003V	ul. Mszczonowska 4 02-337 Warszawa	http://www.gaz-system.pl	
GAZ-SYSTEM S.A.	GAZ-SYSTEM		GSPL	21X-PL-A-A0A0A-B	ul. Mszczonowska 4 02-337 Warszawa	http://www.gaz-system.pl	
Gas Transmission System Operator of Ukraine LLC	GTS TSO LLC			21X000000001397P	Klovskiy Uzviz, 7, Kyiv, 01010, Ukraine 010...		



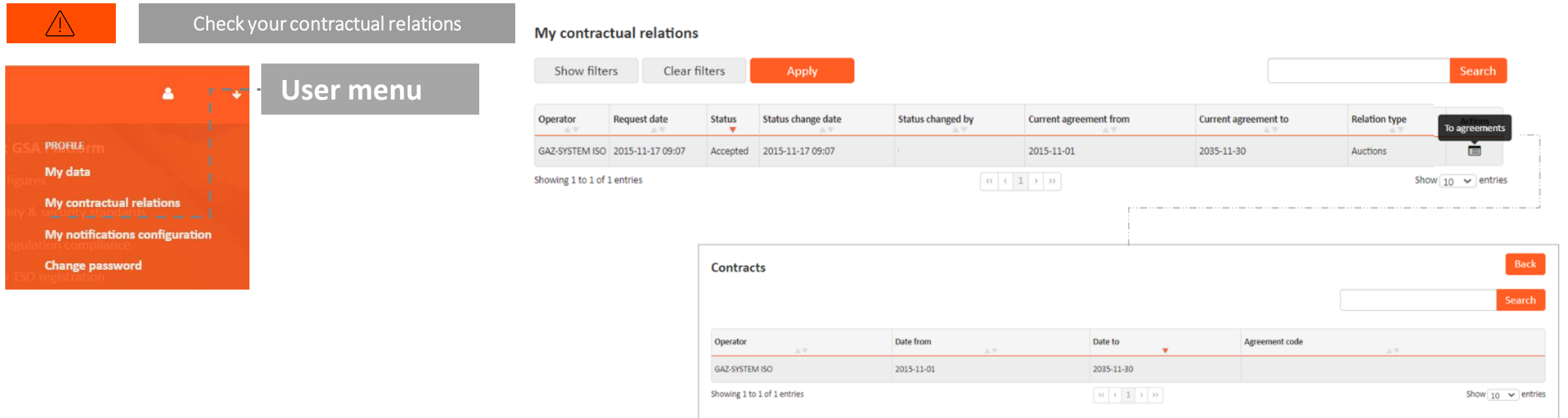
Market Demand Assesment

Auctions

Secondary Market

HOW TO GET PERMISSIONS TO TAKE PART IN AUCTIONS


 The System User has to fulfill the operator's requirements for obtaining allowance to participate in its auctions.



The screenshot displays the 'My contractual relations' section of the GSA Platform. A 'User menu' overlay is visible on the left, listing options such as 'My data', 'My contractual relations', and 'Change password'. The main content area shows a table of contractual relations with columns for Operator, Request date, Status, Status change date, Status changed by, Current agreement from, Current agreement to, and Relation type. A 'To agreements' button is located next to the 'Relation type' column. Below the table, there are pagination controls and a 'Show 10 entries' dropdown. A 'Contracts' section is also visible, showing a table with columns for Operator, Date from, Date to, and Agreement code. This section also includes pagination and a 'Show 10 entries' dropdown. A 'Back' button is located at the top right of the 'Contracts' section.

Operator	Request date	Status	Status change date	Status changed by	Current agreement from	Current agreement to	Relation type
GAZ-SYSTEM ISO	2015-11-17 09:07	Accepted	2015-11-17 09:07		2015-11-01	2035-11-30	Auctions

Operator	Date from	Date to	Agreement code
GAZ-SYSTEM ISO	2015-11-01	2035-11-30	

 It is up to specific TSO to grant privileges for a shipper and particular user for participation in: Auctions, Secondary Market trade or Market Demand Assessment phase.



Auctions

 **GSA Platform**

AUCTION LIST

Invitation to the GSA Platform FORUM online

Календар аукціонів
Список аукціонів
Звіти

ЧИТАТИ ДАЛІ 

Про Платформу GSA

→ Ключові дані



List of auctions

Current Past Future












Show filters

Clear filters

Apply

 30 [sec]  Comfort bid

Search 

Auction ID	Status	Next round	EIC code	Point name	Product					Surcharge	Direction	Operator	Bids sum	Operations
					Capacity	Period	Capacity type	Tariff	Type					
659263	Suspended (1.0)	2021-12-01 15:33	212000000000239K	Český Těšín Entry	1 001	2023-10-01 06:00 2024-10-01 06:00	Firm	0.000037		0	Entry	UNCTST	2 002	 
659423	In round (1.0)	2021-12-01 12:00	2120000000000066	SGT Kondratki	38 391 203	2021-12-01 16:00 2021-12-02 06:00	Firm	0.002787		0	Entry	GAZ-SYSTEM ISO		  
659424	In round (1.0)	2021-12-01 12:00	2120000000000508J	GCP GAZ-SYSTEM/UA TSO ...	565 000	2021-12-01 16:00 2021-12-02 06:00	Firm	0.008461		0	Entry	GAZ-SYSTEM		  



Preview of auction details



Bidding



Edit bid offer



No possibility of bidding



Marking auction

AUCTION CALENDAR

1

Our auctions

ONGOING AUCTIONS

WITHIN-DAY
FIRM CAPACITY

NOW

Period:
2023-05-16 15:00 – 2023-05-17 06:00

number of auctions: 6

End in:
13 min 48 sec

3

JOIN

WITHIN-DAY
BUNDLED FIRM CAPACITY

NOW

Period:
2023-05-16 15:00 – 2023-05-17 06:00

number of auctions: 6




End in:
13 min 48 sec

JOIN

2

UPCOMING AUCTIONS

MAY 2023

MON	TUE	WED	THU	FRI	SAT	SUN
1	2 	3	4	5	6	7
8	9	10	11	12	13	14
15 	16	17	18	19	20	21
22	23 	24	25	26	27	28
29	30	31				

PREVIOUS MONTH

NEXT MONTH

1

Information on ongoing auctions

(with information on capacity type and product type).

2

Auction calendar for the current month (with information on the type of product) with the possibility of viewing previous and next months. After clicking on the appropriate icon in the auction calendar, the user is automatically taken to the list of planned/ongoing auctions.

3

"Join" button, which allows you to go to the list of ongoing auctions.

AUCTION SUMMARY AND FORMER AUCTION PREVIEW

- ❖ When the auction ends, it is possible to find/preview an auction with a given ID in the archival auctions section. It receives the Finished status.
- ❖ To make it easier to see if a user participated in a given auction, after bidding, the auction is highlighted in dark grey. This helps to see, e.g. when viewing archival auctions, those actions in which the user actually participated and those only followed by them.

The screenshot displays the 'Auctions' section of the GSA Platform. The navigation bar includes 'Auctions', 'Secondary market', 'Incremental capacity', 'General', and 'Administration', along with a user profile 'zup'. The main content area is titled 'List of auctions' and features tabs for 'Current', 'Past', and 'Future'. A search bar is highlighted with a dashed orange box and labeled 'quick searcher'. Below the search bar are buttons for 'Show filters', 'Clear filters', and 'Apply'. The 'Auctions' table lists two entries:

Auction ID	Status	End date	EIC code	Point name	Product					Surcharge	Direction	Operator	Bids sum
					Capacity	Period	Capacity type	Tariff	Type				
678363	Finished (1.0)	2022-03-08 15:30	2120000000001321	Tietlerowka	238 290	2022-03-08 19:00 2022-03-09 06:00	Firm	0.007808	▶	0.000007	Entry	GAZ-SYSTEM	238 290
674809	Finished (1.0)	2022-02-16 11:30	2120000000000508J	GCP GAZ-SYSTEM/UA TSO ...	565 000	2022-02-16 15:00 2022-02-17 06:00	Firm	0.007872	▶	0.000004	Entry	GAZ-SYSTEM	565 000

Auction schedule

INCREMENTAL PRODUCTS

Incremental auctions are performed as bundled ones it means that Shipper must be active and accepted at GSA Platform by both TSOs (TSO UA and GAZ-SYSTEM).

JULY 2023						
MON	TUE	WED	THU	FRI	SAT	SUN
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

List of auctions

Current Past Future

Product type

Product period from to

Next round from

Auction term

Operator

Point

Capacity type

Direction

Search Bundled
 Unbundled
 Competing
 BuyBack
 Incremental

Hide filters Clear filters Apply

Auction ID	Status	Next round	EIC code	Point name	Product					Surcharge	Direction	Operator	Operations
					Capacity	Period	Capacity type	Tariff	Type				
841249	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2043-10-01 05:00 2044-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841250	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2041-10-01 05:00 2042-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841251	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2037-10-01 06:00 2038-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841252	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2040-10-01 05:00 2041-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841253	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2038-10-01 05:00 2039-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841254	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2036-10-01 06:00 2037-10-01 06:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841263	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2044-10-01 05:00 2045-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841264	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2042-10-01 05:00 2043-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841265	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2039-10-01 05:00 2040-10-01 05:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	
841266	Published (0.0)	2023-07-03 09:00	212000000000508J 212000000000508J	GCP GAZ-SYSTEM/UA TSO GCP GAZ-SYSTEM/UA TSO	3 095 890	2035-10-01 06:00 2036-10-01 06:00	Firm Firm	0.0004488 0.000528		0	Entry Exit	GAS TSO OF UKRAINE LLC GAZ-SYSTEM	

Showing 1 to 10 of 15 entries

« 1 2 »

Show 10 entries

HOW TO REACH US?



gsaplatform.eu



test.gsaplatform.eu
Test environment



aukcje@gsaplatform.eu



gsaplatform.eu/files/downloads
Main documents
(GSA Platform Rules, GSA Platform Operator's
and Shipper's Manuals)



[www.linkedin.com/company/
gsa-platform/](https://www.linkedin.com/company/gsa-platform/)
LinkedIn

GREAT SOLUTION FOR AUCTIONING

www.gsaplatform.eu

Thank you for attention

aukcje@gsaplatform.eu



GSA Platform

Thank You!

