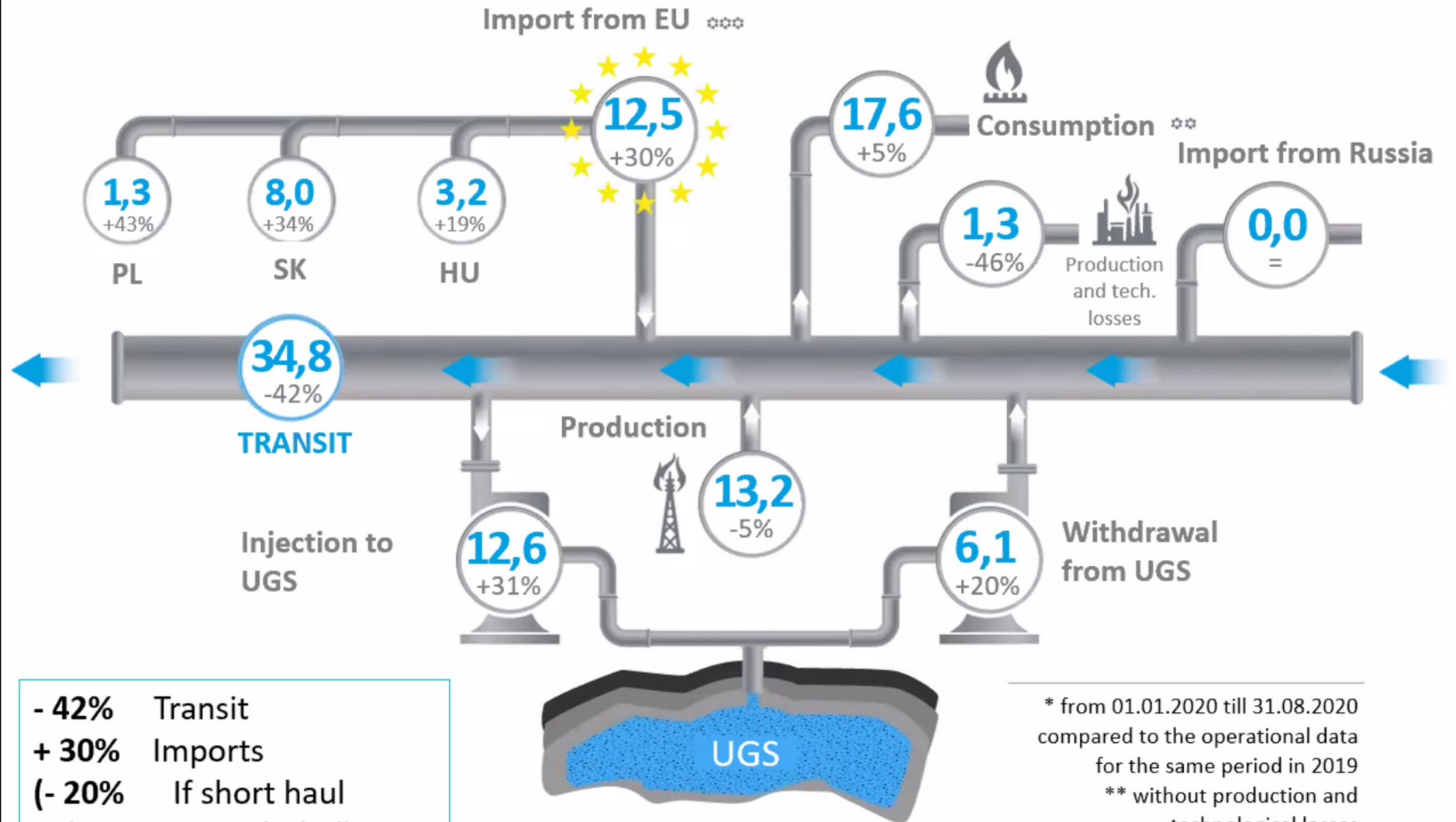


## 2019 vs 2020 - TSOUA

28 September 2020

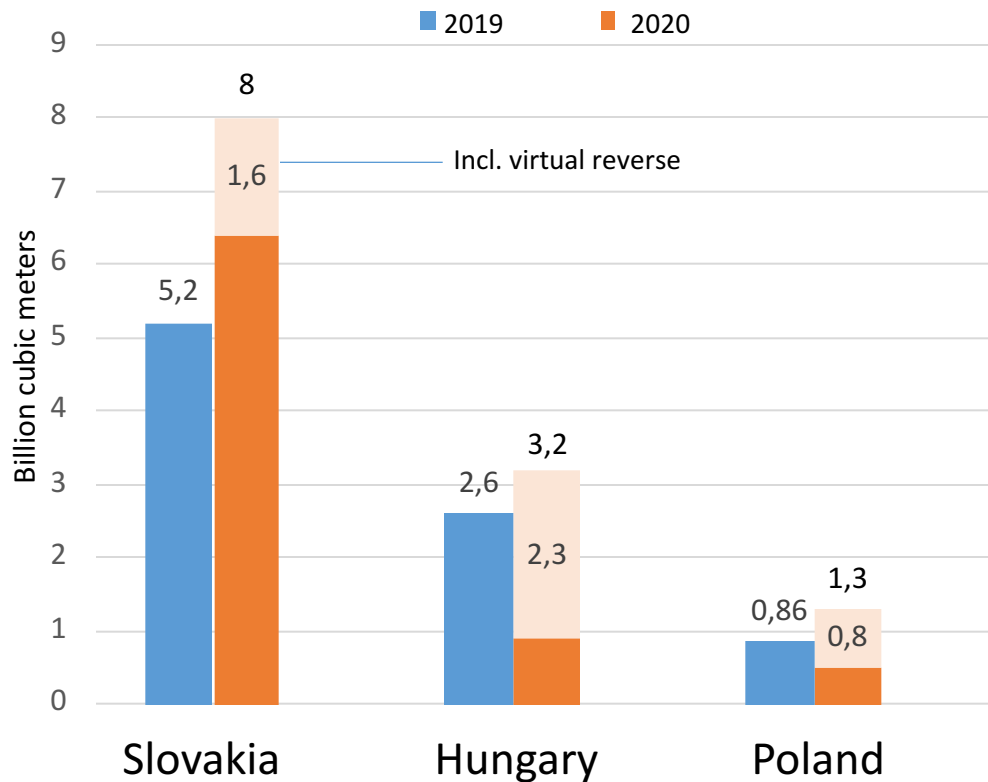




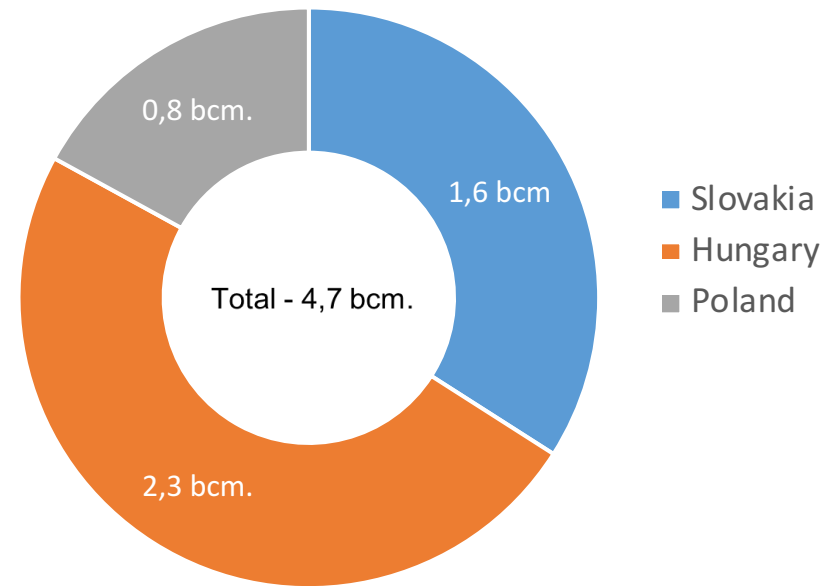
- 42% Transit  
 + 30% Imports  
 (- 20% If short haul volumes are excluded)  
 + 31% Injection to UGS

\* from 01.01.2020 till 31.08.2020 compared to the operational data for the same period in 2019  
 \*\* without production and technological losses  
 \*\*\* including virtual reverse flow

On 29 April 2020 – UA TSO and FGSZ concluded a virtual interconnection point agreement, which unites existing two interconnection points into one – VIP “Bereg” which operates since 1 May 2020.



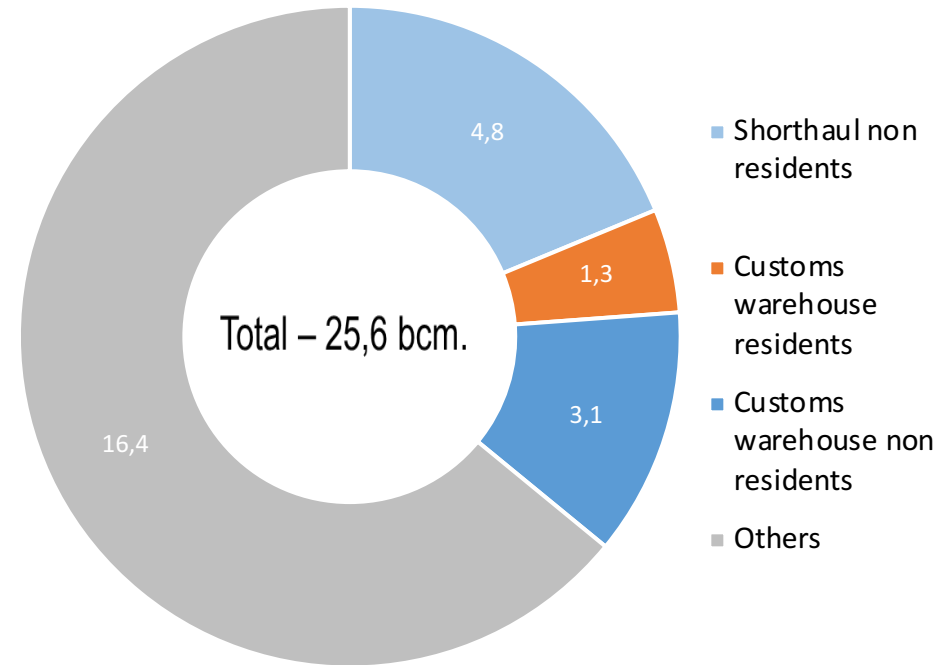
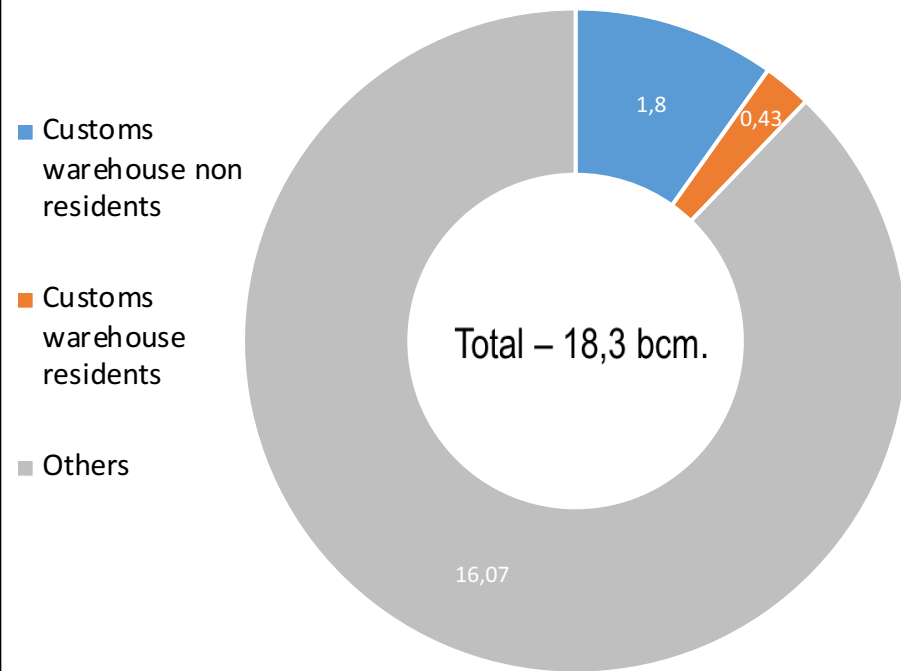
Virtual reverse in 2020 by countries



5 June 2020 – UA TSO and GAZ SYSTEM, concluded a virtual interconnection point agreement, which unites existing two interconnection points into one – “GCP GAZ-SYSTEM/UA TSO,” which operates since 1 July 2020.

## Natural gas storage in 2019

## Natural gas storage in 2020



UA TSO is working on the implementation procedures of buying natural gas on energy exchange.

Since 2016 TSO buys natural gas via Prozorro platform.

TSO bought gas via direct contracts after negotiation procedure.

Prozorro – is an obligatory public e-

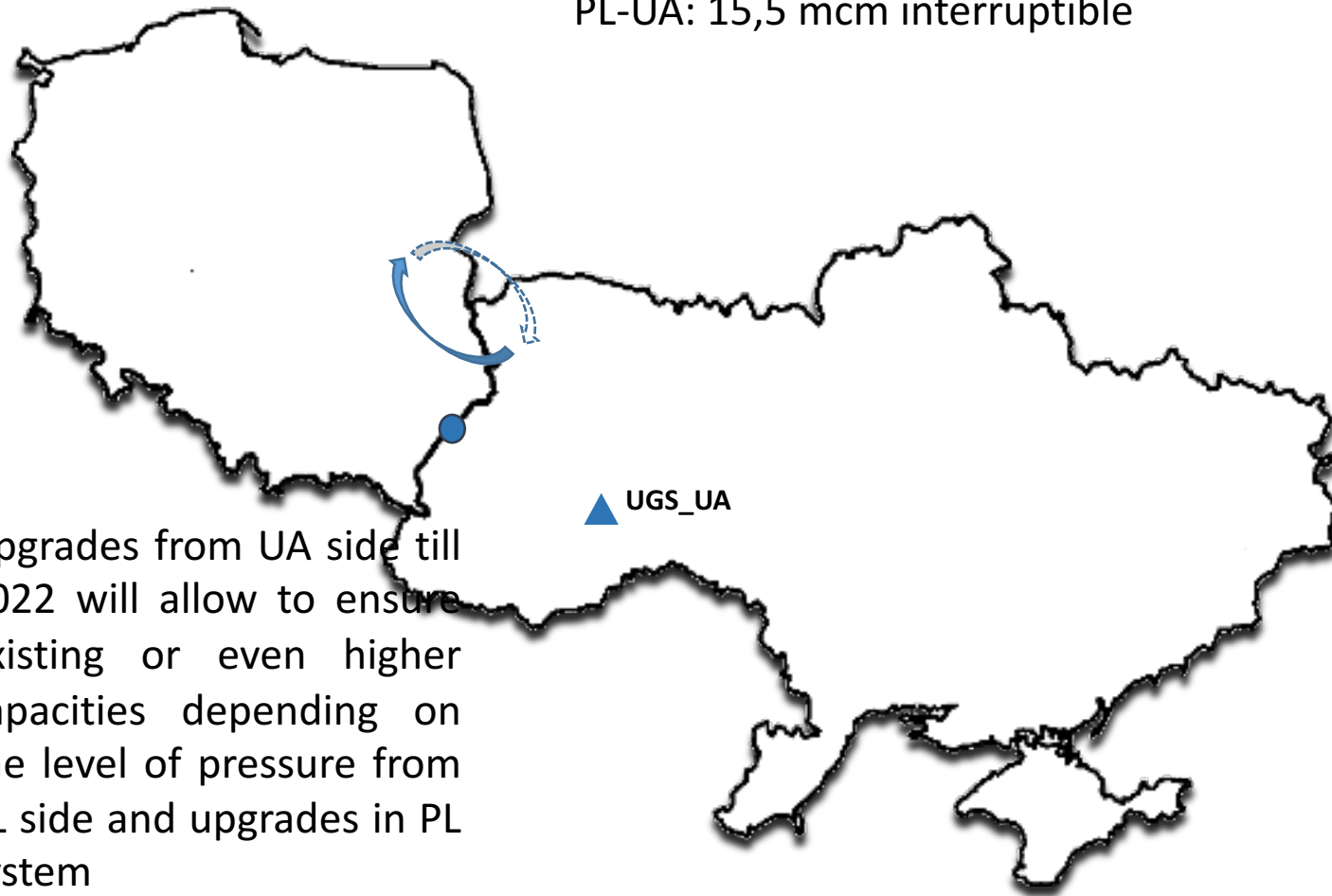


panies.

*Existing capacity:*

UA-PL: 12,9 mcm firm + 6,4 mcm interruptible

PL-UA: 15,5 mcm interruptible



Upgrades from UA side till 2022 will allow to ensure existing or even higher capacities depending on the level of pressure from PL side and upgrades in PL system



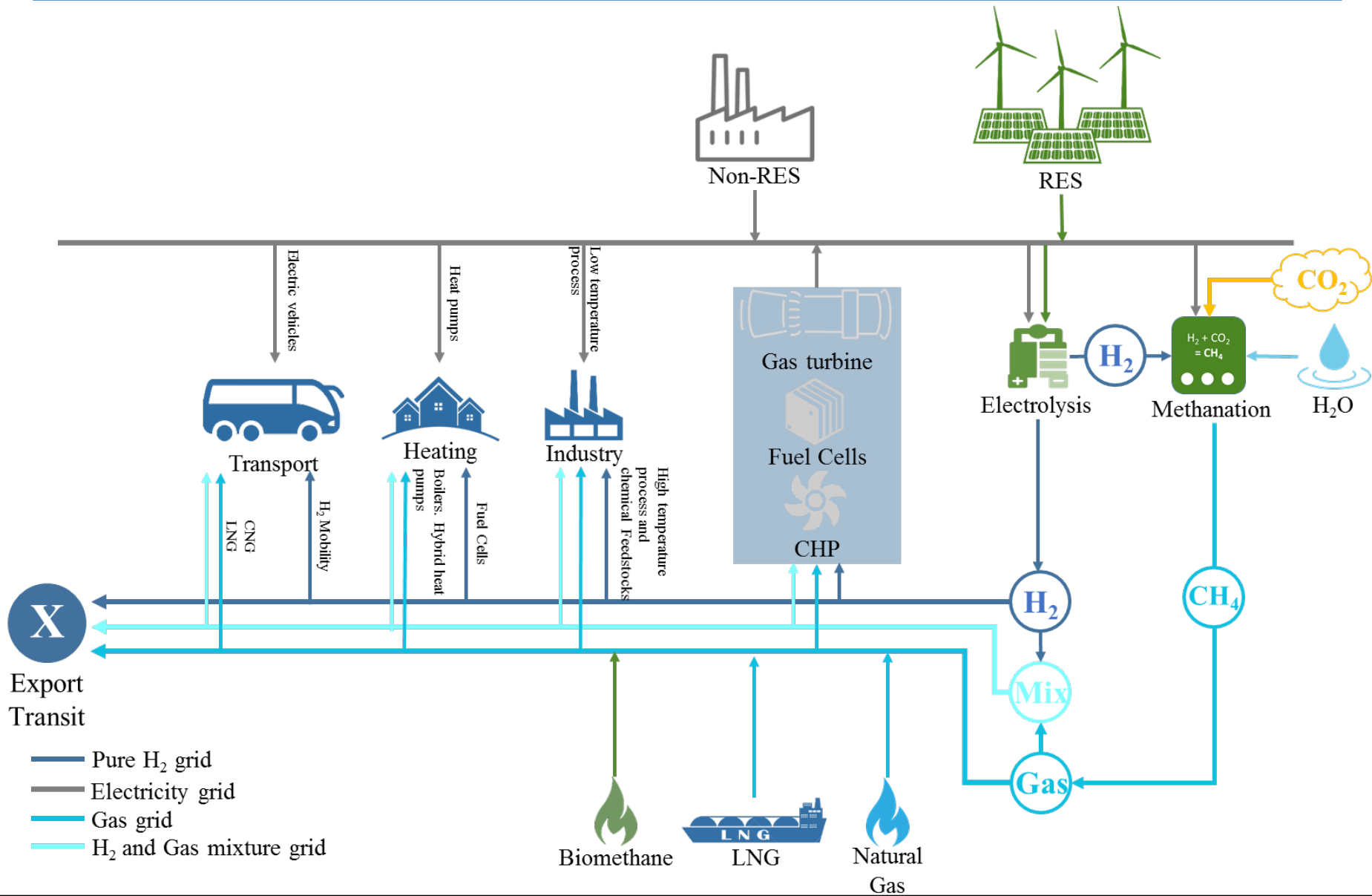


Gas TSO has created a specialized think tank, the work of which is focused on decarbonisation, analysis of prospects for participation in the EU Green Deal and the transition to the transportation of renewable gases (hydrogen and synthetic methane).

2020 – 2021 roadmap:

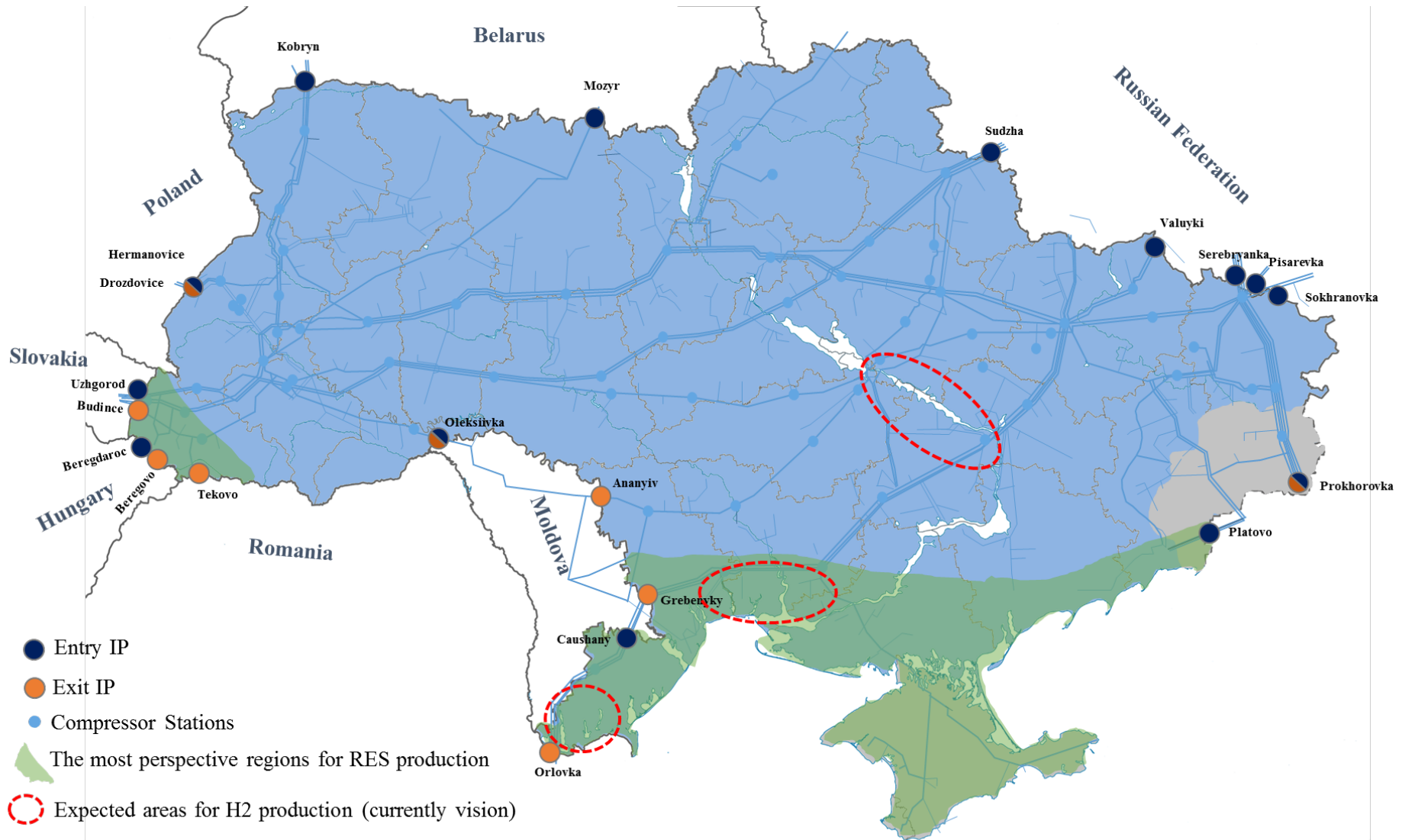
- Investigation of the impact of a mixture of H2 and natural gas on the materials of main gas pipelines and equipment of the gas transmission system.
- Investigation of the influence of a mixture of H2 and natural gas on the measuring capacity of metrological equipment.
- Determining the requirements for explosion protection and fire safety.
- Coordination of approaches to biomethane injection to the grid.
- Development of a road map for decarbonization and green development of OGTS of Ukraine LLC.
- Pilot project developing.

# Future energy system and Gas TSO value





# Perspective regions for RES and TSOUA net



**Thank you for your  
attention!**