

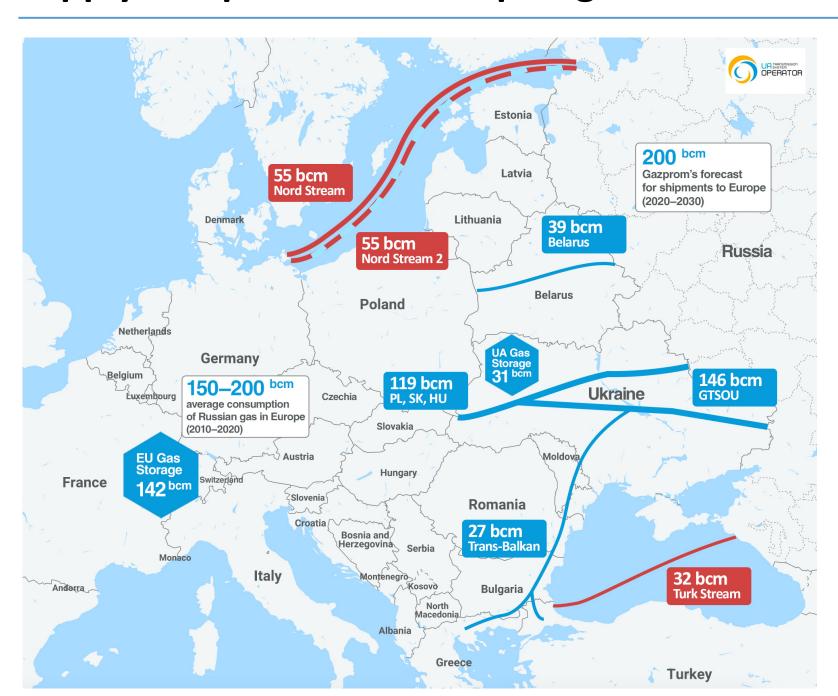
The first year of independent Gas TSO of Ukraine

Sergiy Makogon



Transit through Ukraine is the key to supply competition in Europe's gas markets





East-West **transit capacity** of 270 bcma already **exceeds** the most optimistic **volume forecasts** of 200 bcma.

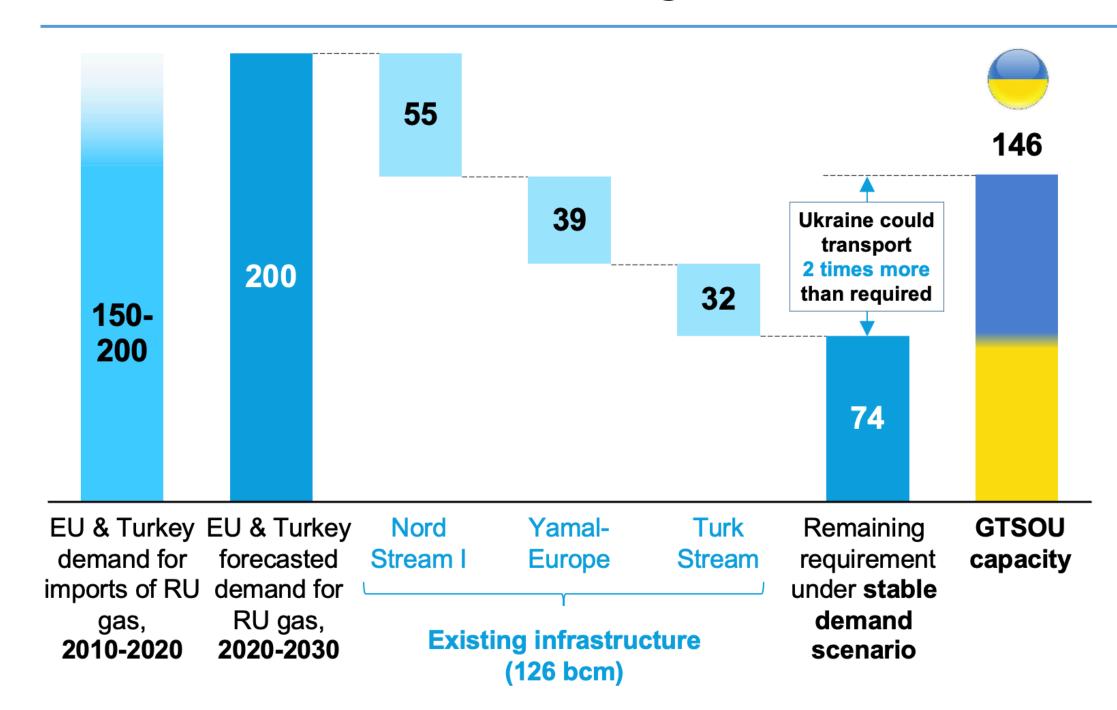
Nord Stream 2, if not stopped now, will undermine supply competition

Trans-Balkan pipeline is running effectively **empty** but it allows bidirectional flow and must be revitalized to strengthen supply competition

The spare capacity in the **GTSOU's** massive transit network with multiple redundancies is what **guarantees security of gas supply** in Europe, but must not be taken for granted

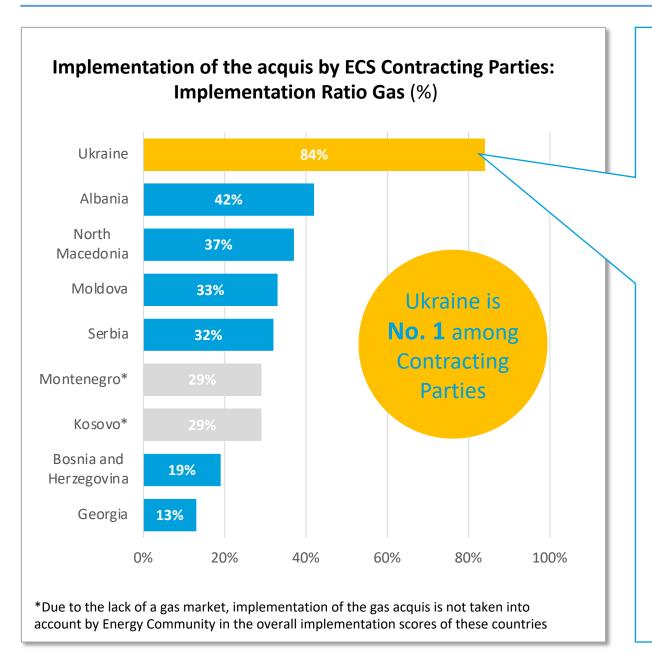
GTSOU capacity vs EU & Turkey demand for Russian gas, bcma





Energy Community recognized Ukraine's progress in implementing the EU gas market regulations





Over the past few years, Ukraine made significant progress in the implementation of EU gas market legislation. Energy Community recognized the highest level of implementation in the gas sector among Contracting Parties and agreed that it is almost completed

Gas implementation in Ukraine – detailed (%)

	Gas indicators	Transposition Assessment	Implementation Status
T50 related	Unbundling	lacktriangle	90%
T50 Telated	Access to the system	Q	97%
	Wholesale market	©	40%
	Retail market	Q	81%
TSO related	Interconnectivity	Ø	98%
			Implementation level, %

Gas Hubs Benchmarking



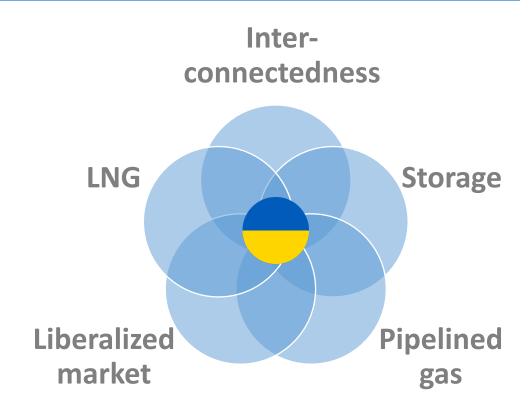


European
Federation of
Energy traders
(EFET) increased UA
position in its
research Gas Hubs
Benchmarking
Study, also due to
results achieved by
the Gas TSO of
Ukraine

Source: EFET Gas Hubs Benchmarking Study

(number of points)

Gas hub country	2018	2019	2020
Czechia	14	14,5	16
Hungary	11,5	12,5	13,5
Slovakia	9,5	10	10,5
Greece	8,5	10	10,5
Turkey	6	9,5	10,5
Poland	9,5	9,5	10
Ireland	-	-	9,5
Ukraine	3,5	7	9
Finland	-	-	9
Estonia	-	-	8,5
Lithuania	-	-	8,5
Croatia	_	7,5	8
Latvia	_	-	8
Bulgaria	4,5	5	7,5
Slovenia	=	6	6,5
Romania	3	4,5	6,5
Portugal	4,5	5,5	5,5

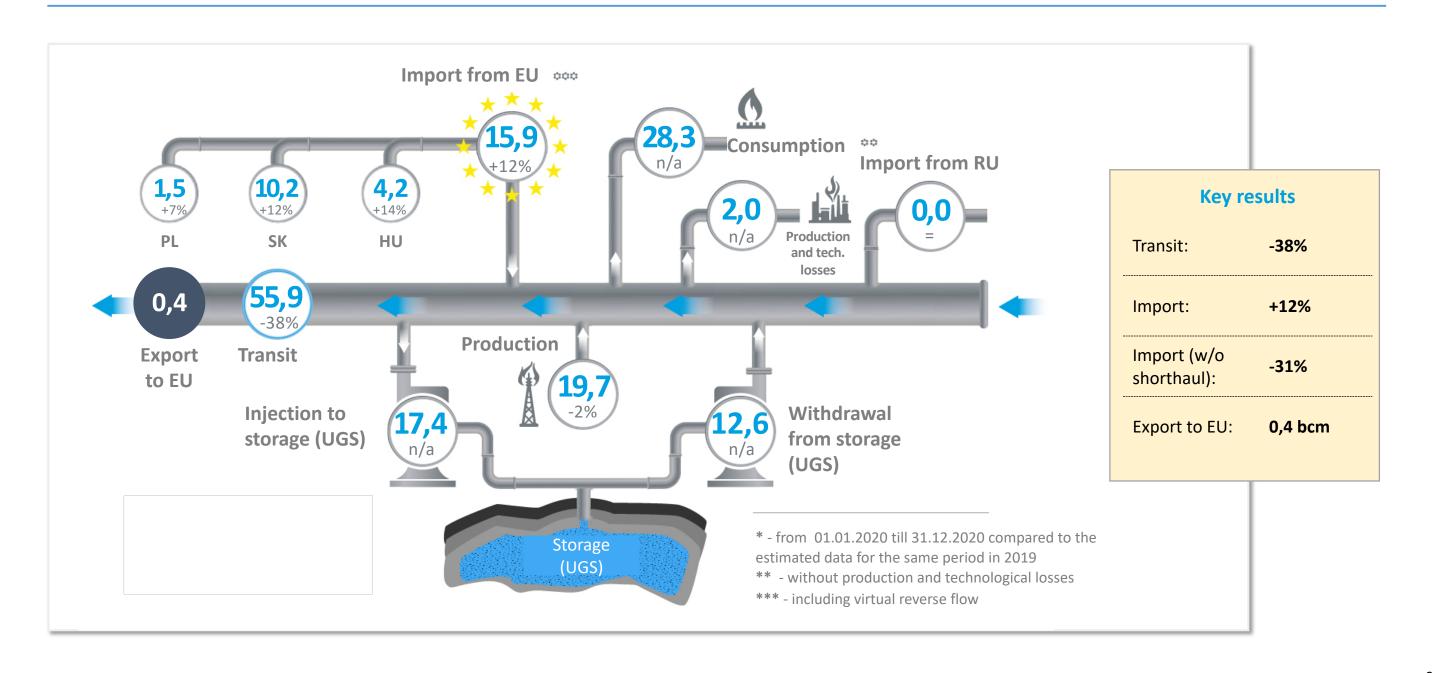


Ukraine is uniquely positioned to integrate new/planned LNG terminals in Poland, Greece, Croatia, etc. with pipeline gas and massive storage to become a significant hub in Eastern/Central Europe

Gas transmission volumes for 2020*

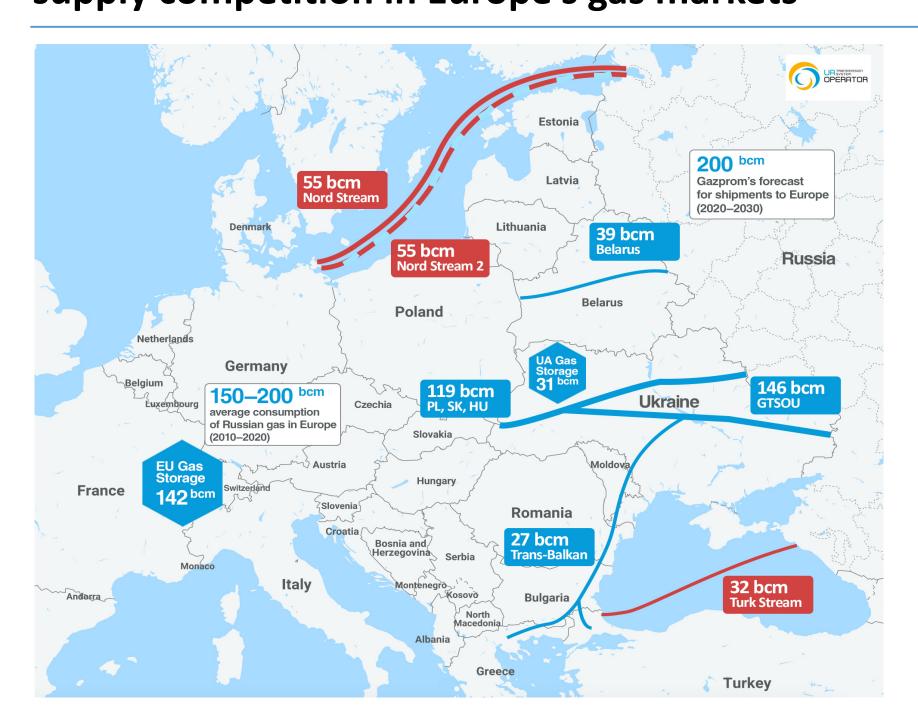
January – December 2020, bcm





3 concrete steps to strengthen supply competition in Europe's gas markets





Open up transit opportunities to **new players** other than Gazprom

Bring **Central Asian** gas back to Europe

Give international traders an option to purchase gas at either the Western or Eastern border of Ukraine.



Thank you for your attention!