

## Lesson for the European Union from the Russian-Ukrainian natural gas crisis

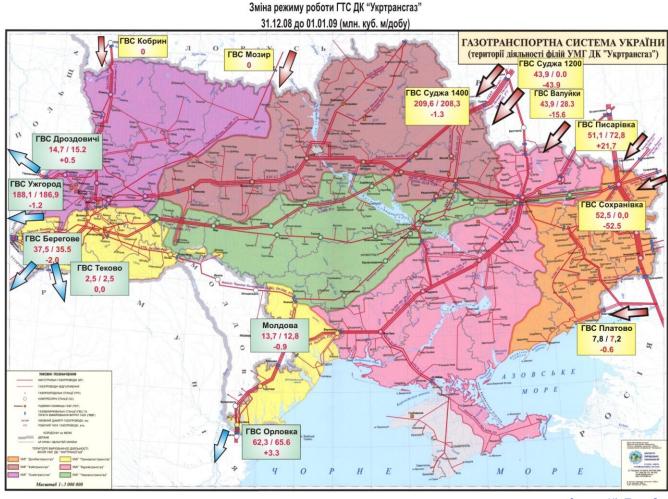
Energy war or hurt bear screaming?



### Andrzej Sikora

Cracow, May 18th, 2009

## New Year's greeting cards you have probably received from UkrTransGaz



Operational regime change Dec 31<sup>st</sup> 2008 - Jan 1<sup>st</sup> 2009

Source: UkrTransGas

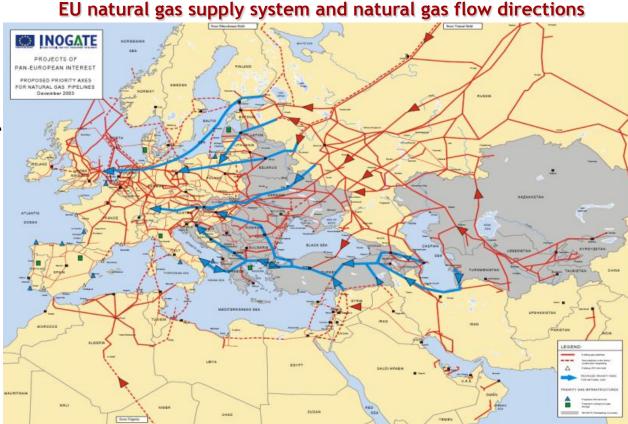


## Russia and Ukraine still have to face major political issues of the future gas transit through Ukraine

• There is no integrated EU natural gas supply system. We can see countries' "local" pipelines and gas storages caverns systems or hubs developed only in EU-15; no reversed interconnectors across EU, and mainly one direction gas flow.

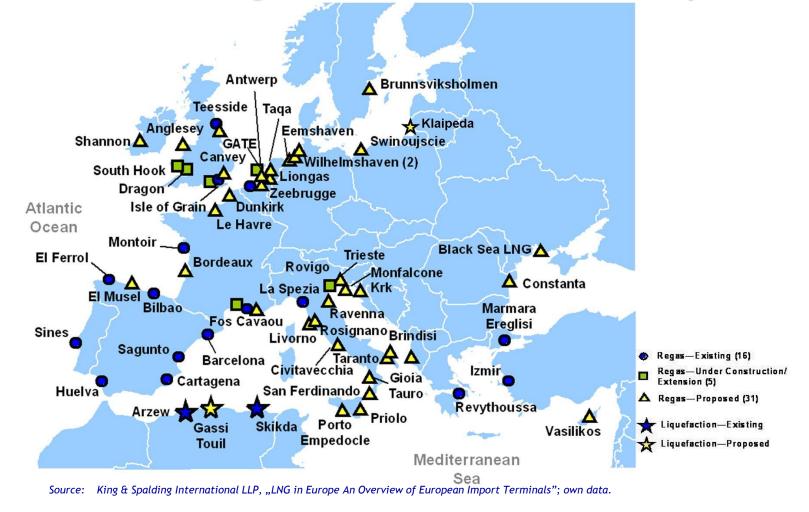
The recognised lack of an efficient infrastructure network is a key element to be addressed in the development of the EU-27, and especially integration into the internal market.

- Russia (Gazprom) will be a dominant natural gas supplier to the majority number of European countries in the nearest future.
- Separated and individual negotiations with Gazprom conducted by every country leads to a fall of the common EU policy.
- Is there a common EU Energy Strategy ? Do we have "Natural Gas sub-strategy for EU" ? Is our problem already addressed ?



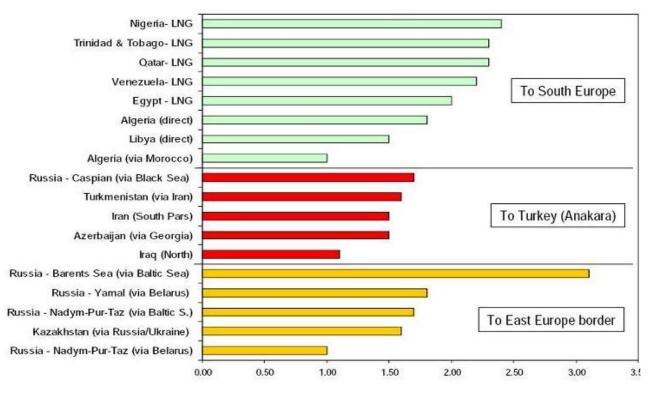
Source: www.inogate.com

### Potential locations for new LNG regasification terminals in Europe



## Close decisions on starting new transport routes construction

#### Forecasts of transportation costs for natural gas to Europe 2010-15 [USD/MBTU]

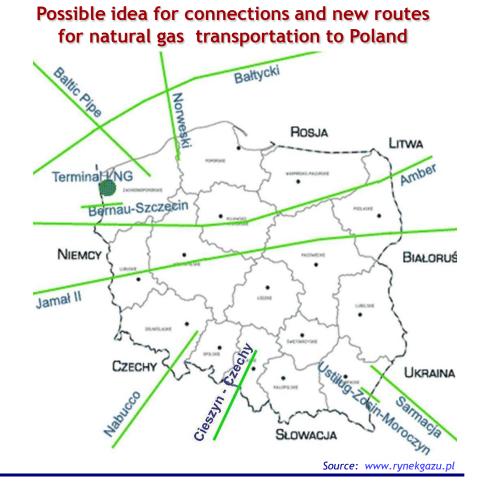


Source: EFMA GAS Group, www.emfa.com



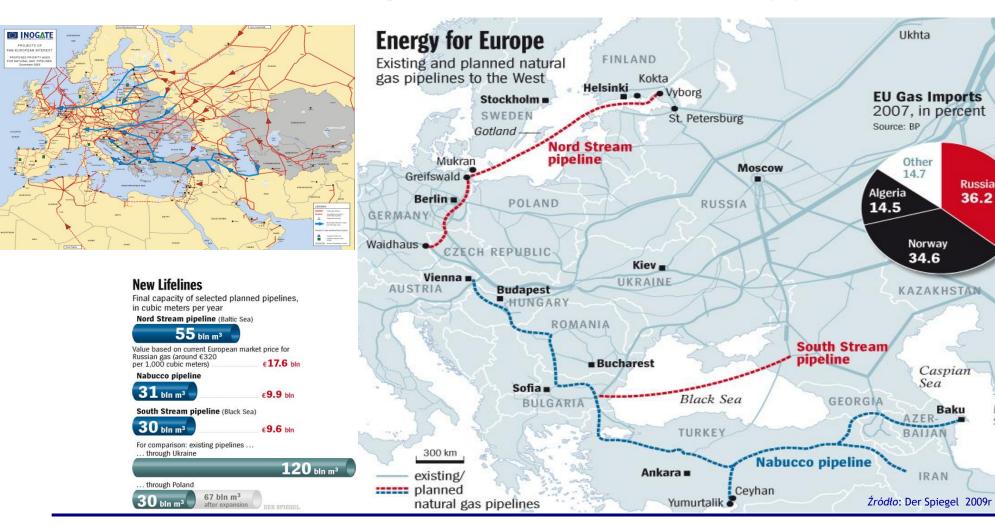
## Close decisions on starting new transport routes construction (2)

- Europe's upstream gas production is declining.
- LNG suppliers will be abundant for the next several years and investment in new LNG projects has abruptly been delayed (like in Poland) or ceased (now one can estimate the delay in Poland for min. 2 years).
- We can't expect that yesterday's LNG oversupply will likely be followed by a longer period of time.
- Development of alternative energy sources is now problematic - fuel fossils price is rather low - and ETS scheme seems to be problematic with 9€ per CO<sub>2</sub> tone.
- Consequently, Europe's dependence on imports by pipeline will continue to grow (France, Great Britain, the Netherlands, Germany, Italy and Belgium) and the consequences of any future interruption could be far more serious.
- Measures now seem likely to be taken to reinforce west-east flows for the Czech Republic Poland and Slovakia and to strengthen cross-border connections between Austria and Slovenia, Hungary and Romania, Poland/Slovakia and Hungary or Poland and Germany.





### Close decisions on starting new transport routes construction (3)



URK-

MENI-

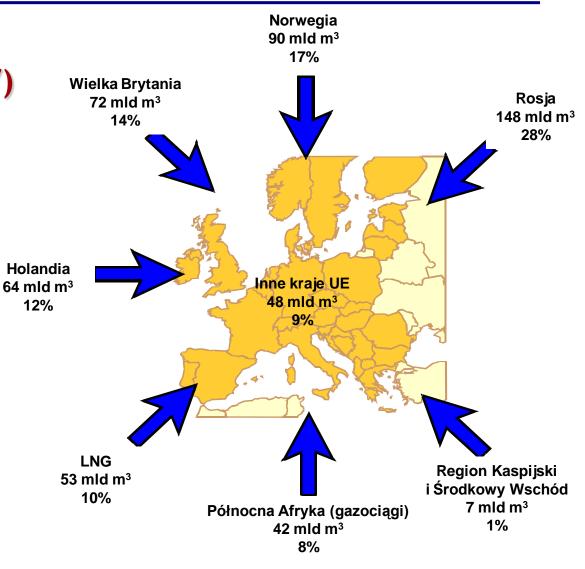
STAN



# Sources for natural gas deliveries to Europe (2007)

- In Europe there is a strong obligation o the "new entrants" with Bulgaria and Romania as an EU member to help to correct the weakness in the energy supply system.
- Several European gas companies

   (BASF, E.ON Ruhrgas, ENI, GASUNI, GdF)
   have developed strong business relationships and financial partnerships with Gazprom
   in both upstream and downstream activities.
   Other European companies are also heavily
   engaged in Russia and President Medvedev
   will now undoubtedly seek to strengthen
   these bilateral partnerships.
- Most of EU countries' gas markets are more or less regulated, non-liberalized, hardly available for new participants, so can't be described as a free markets. This situation improves Gazproms' domination and additionally strengthen its negotiation position as a main gas supplier to European Union.



Source: Own calculations based on BP Statistical Review of World Energy 2008

## **Questions**?



## Thank you very much 🕲



andrzej.sikora@ise.com.pl

