



Slovak Gas and Oil Association
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How to enhance security of natural gas supply in Slovakia

The new gas infrastructure in Central Europe and in Slovakia in the context of new European energy policy





Importance of the theme

- **European Energy Package 01/2007**
- **Gas/Oil conflict between UA/BR and Russia**
- **Slovakia :**
 - main transport corridor of Russian NG
 - full dependence on Russian NG
 - long term contracts will be terminated in the year 2008
 - strategy to safeguard security of energy supplies (document work up by the Ministry of Economy and submitted for the public discussion)



Slovak Transmission Network





Slovak Distribution Network





European Energy Package 10.01.2007

Energy Policy for Europe :

- security of supply
- competitiveness
- environmental sustainability

Action Plan 2007 – 2009 09.03.2007

Priority Interconnection Plan
for missing infrastructure up to 2013



Key drivers for the demand with respect to gas infrastructure in the EU area

- declining indigenous production combined with growth in gas demand will increase the dependency on gas imports**
- concerns over the security of supply drive the need for diversification of sources of gas imports**
- large seasonal swings in demand for gas require storage infrastructure to manage the physical gas flows**
- most of existing infrastructure is contracted out on a long term basis. Market liberalisation will drive new market entrants to seek infrastructure access**



EC estimation of investment needs in the gas over the next 20 years :

- 100 billion EUR for gas infrastructure**
- 6 billion EUR for new interconnectors**
- 22 billion EUR for storage projects**
- 23 billion EUR for gas pipelines and LNG projects**
- 50 billion EUR for transmission system of operators
in the EU member states**

Source : EIB



What should Slovakia do in order to improve its natural gas supply portfolio and increase SoS :

- Nabucco gas pipeline**
- LNG projects in :**
 - Croatia on the Adriatic Coast**
 - Poland on the Baltic Sea**
- Underground storage projects in Slovakia**
- North – South gas pipeline**

Nabucco Gas Pipeline - Proposed route



Pipelines Integrated in the European System



LNG Adria

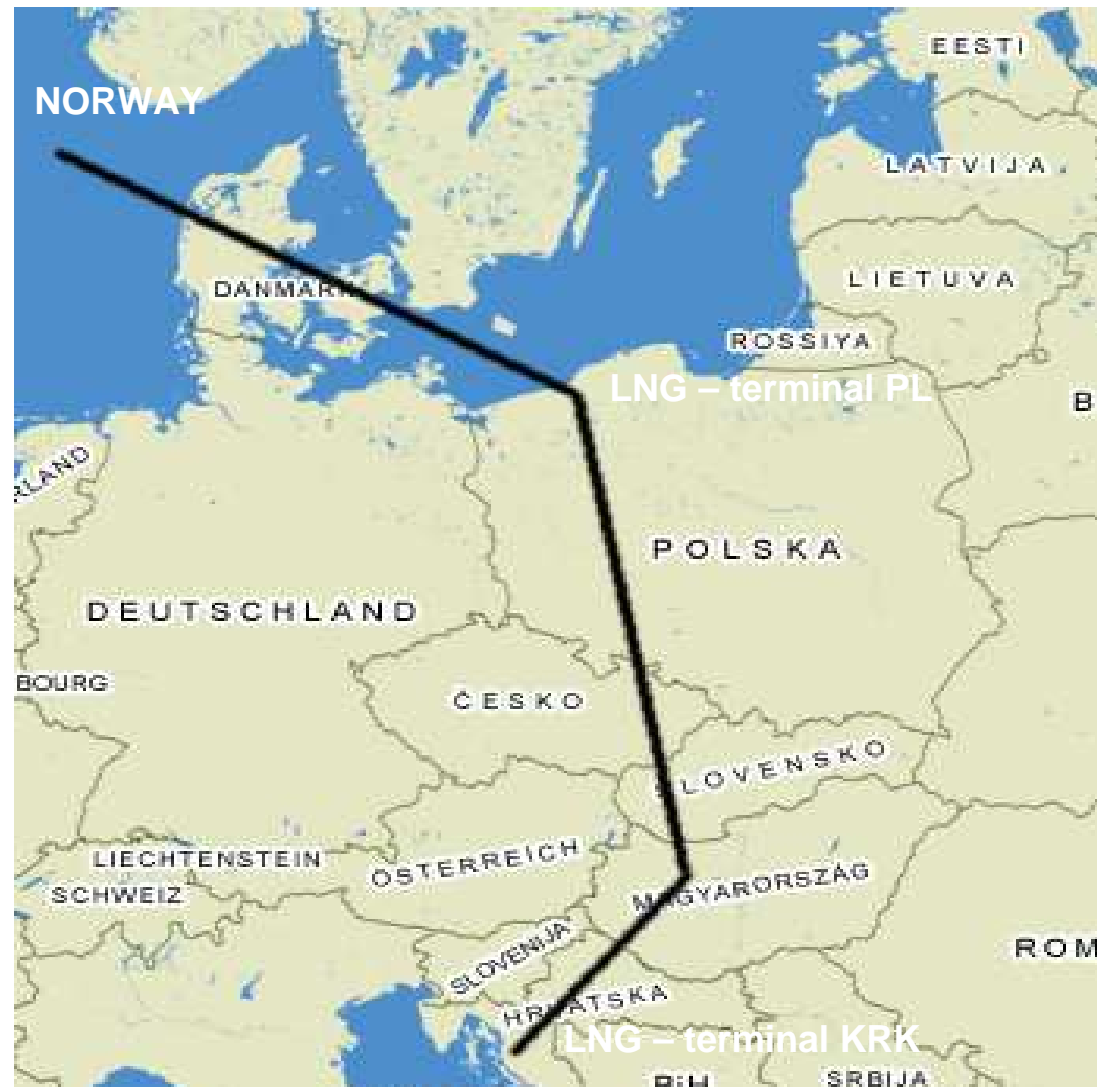


LNG Baltic Sea

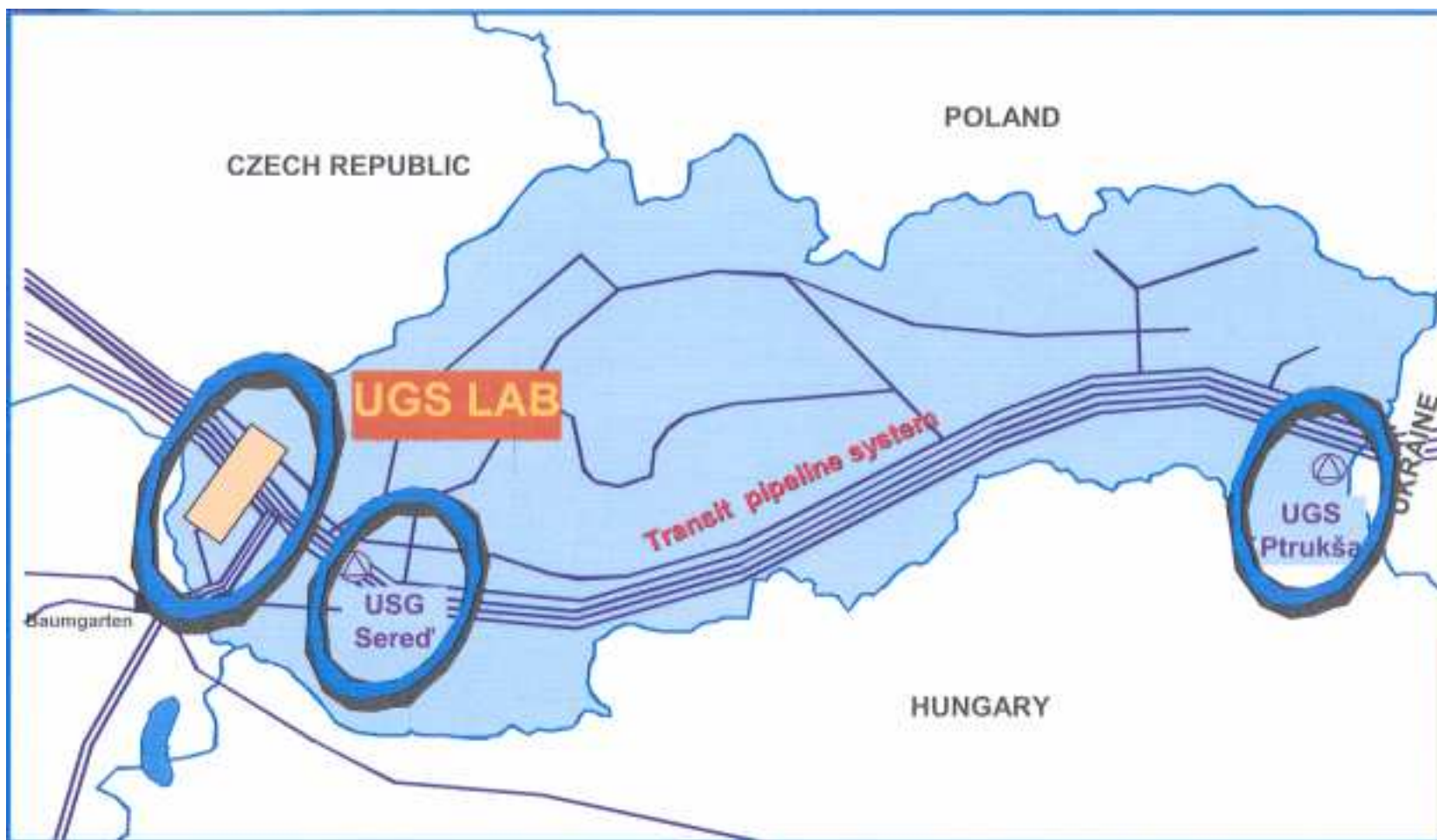


Project North – South

LNG Adria Croatia – LNG terminal with capacity 10 bil. m³/year



New UGS projects





Conclusions and recommendations

- long term contracts with existing supplier**
- do not resign from diversification projects**
- do not resign from development of storage facilities**
- further gas market opening**
- V4 – we will be stronger together**