

ENTSOG's view on new SoS Regulation

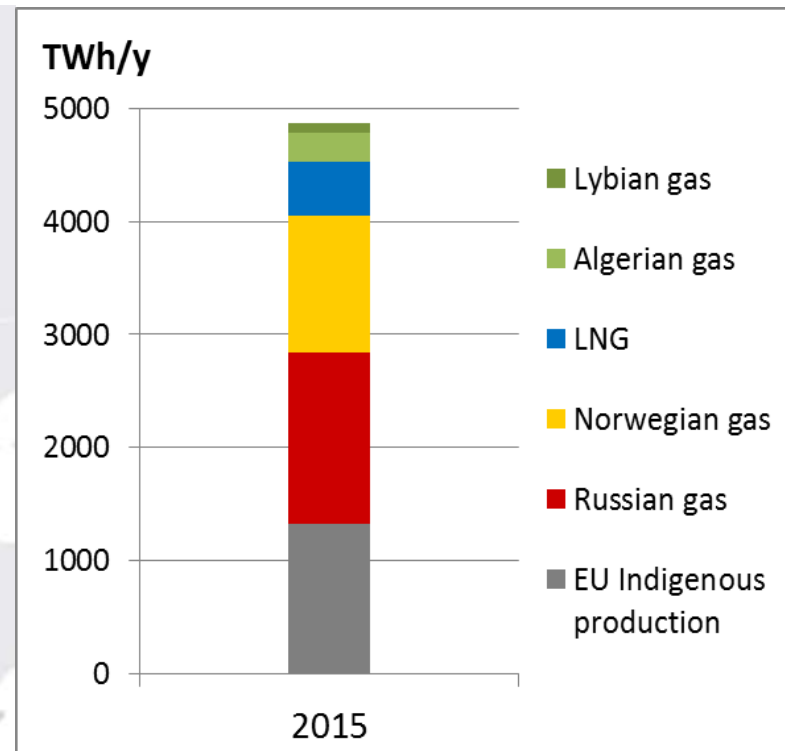
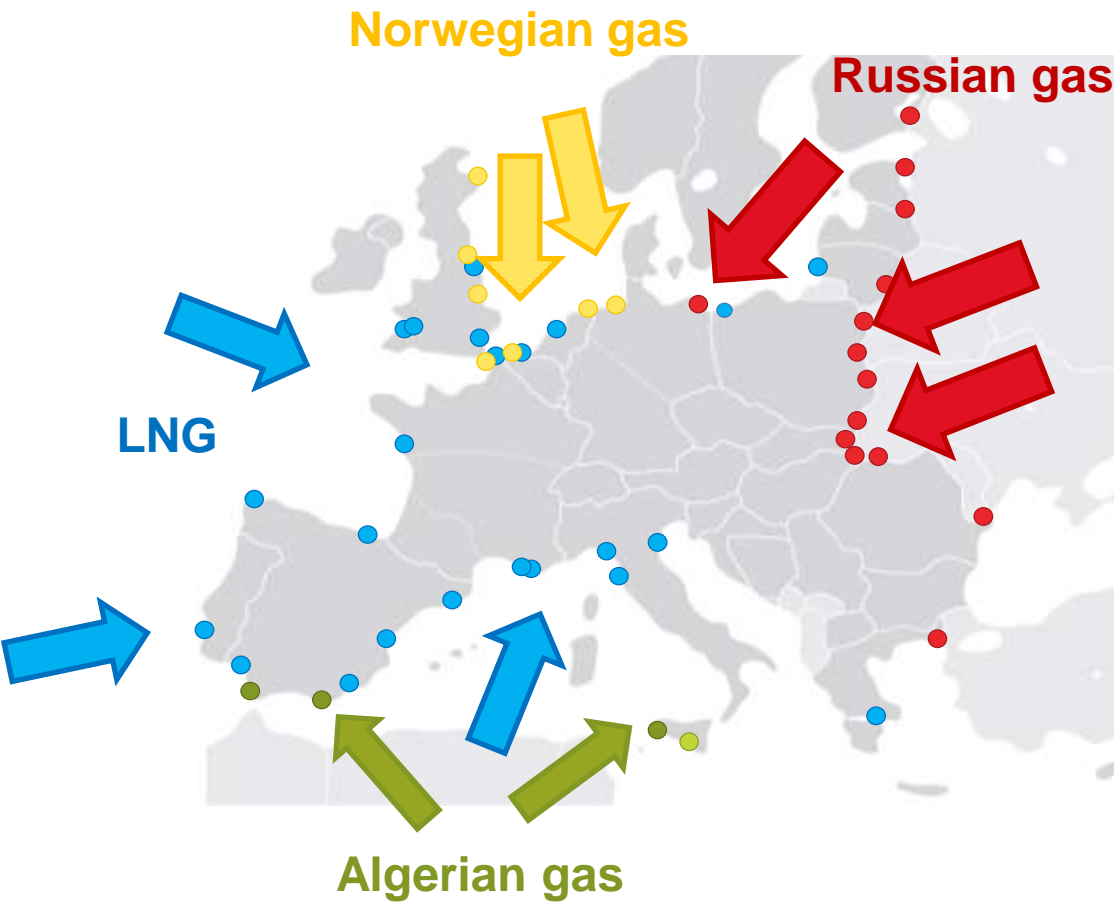
The corridor approach

Hendrik Pollex

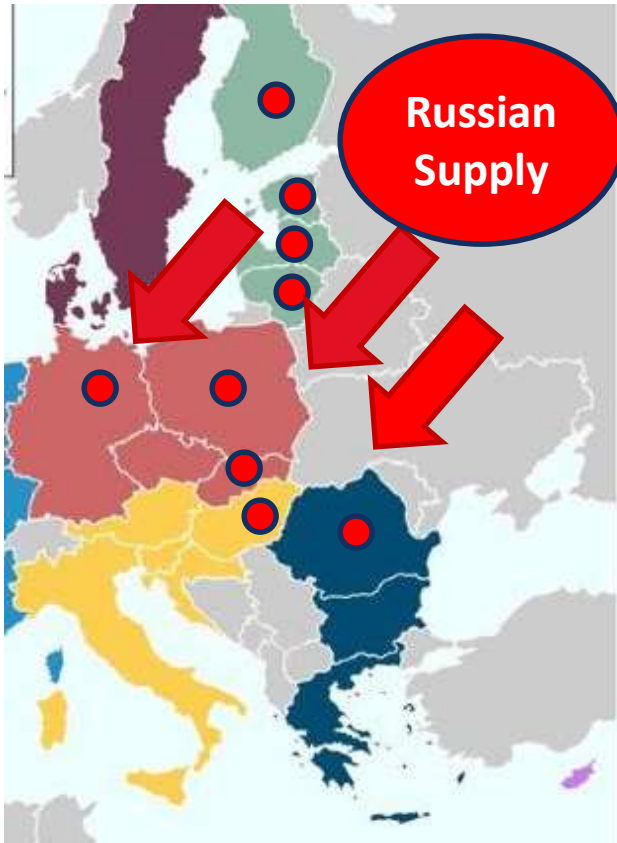
Business Area Manager System Operations



Main Entry Points for Gas Supply in Europe



Russian gas supply corridor as an example

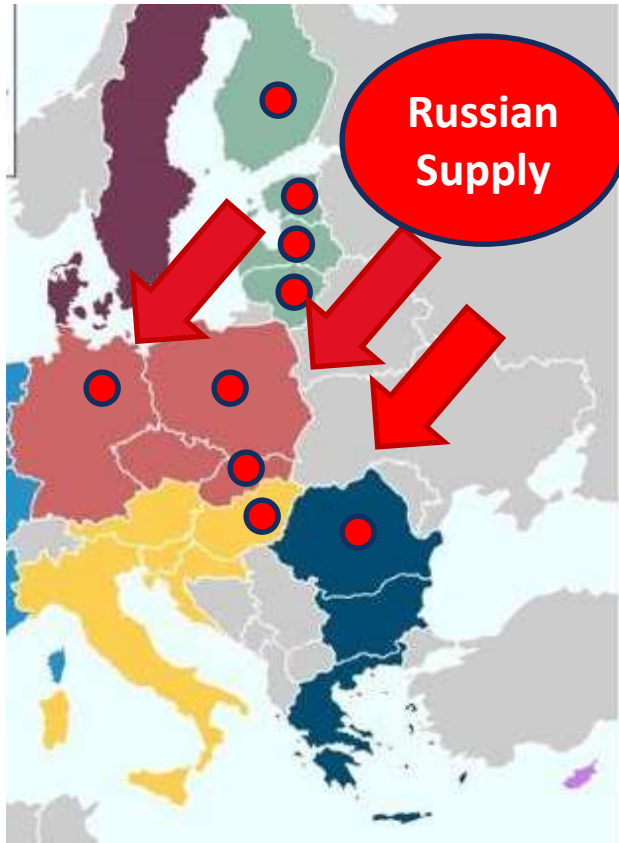


- **If Russian gas supply totally disrupted**
 - 4 Regions and 9 Countries directly impacted
 - In addition a few more Countries indirectly impacted
- **If North Stream disrupted**
 - 1 Region directly impacted
- **If Yamal pipeline disrupted**
 - At least 2 Regions are directly impacted
- **If Brotherhood pipeline disrupted**
 - At least 3 Regions are directly impacted



- **Regional approach not flexible enough to cope with the scenarios**

Flexible Corridor approach for PAP and EP



■ Development of Preventive Action Plans

○ 4 Scenarios

- Russian gas supply totally disrupted
- North Stream disrupted
- Yamal pipeline disrupted
- Brotherhood pipeline disrupted



■ Impact assessment and possible counter measures incl. support of other Regions



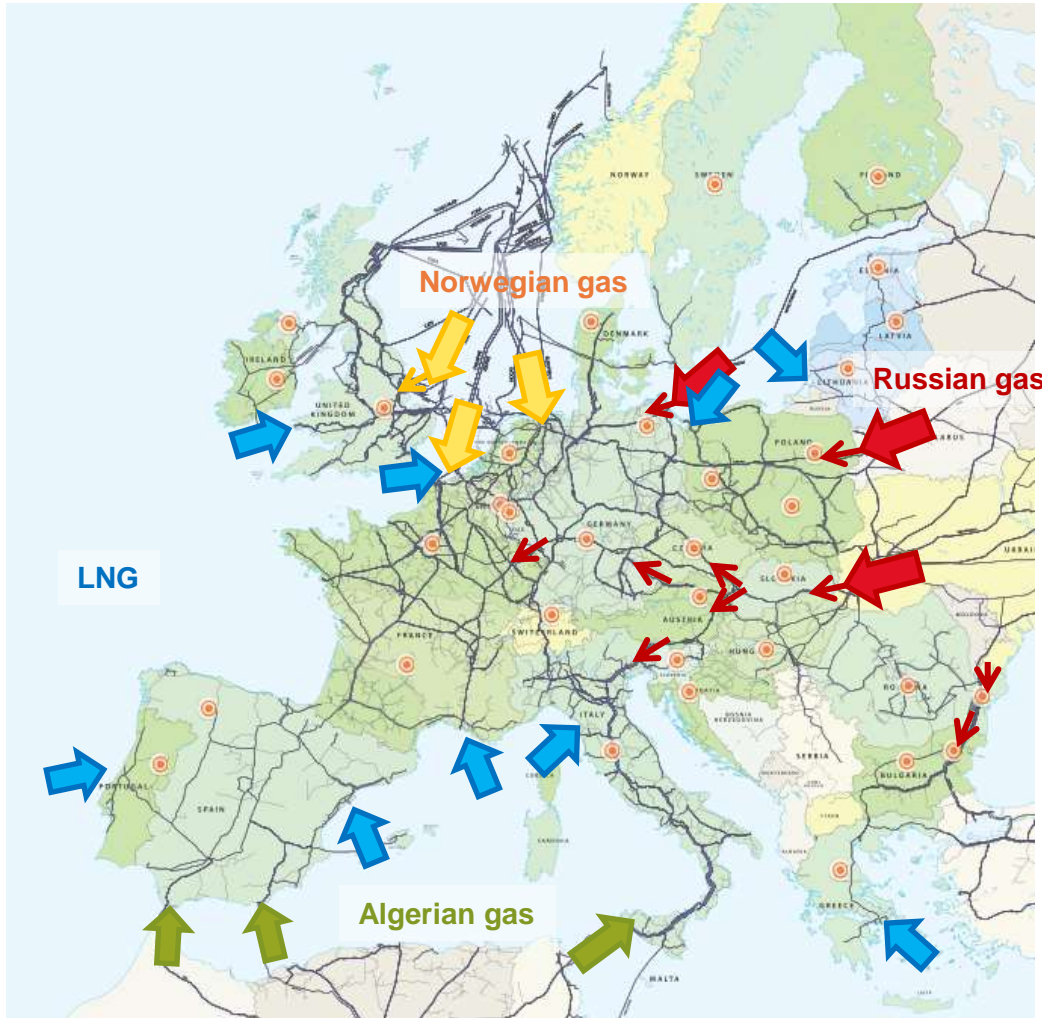
■ Result of counter measures will be part of the Emergency Plans




■ Counter measures will be applied in an emergency



ENTSOG EU-level modelling



ENTSOG Flow Modelling assesses the EU-wide supply-and-demand balance

- > Gas flows along the gas highways
- > ...required to supply market zones 
- > ...from the import points

ENTSOG modelling records

- > EC 2014 Stress Tests
- > TYNDPs under Reg (EU) 715
- > Seasonal Outlooks under Reg (EU) 715

Appropriate and efficient for EU-level Risk Assessment



Modelling in SoS Context

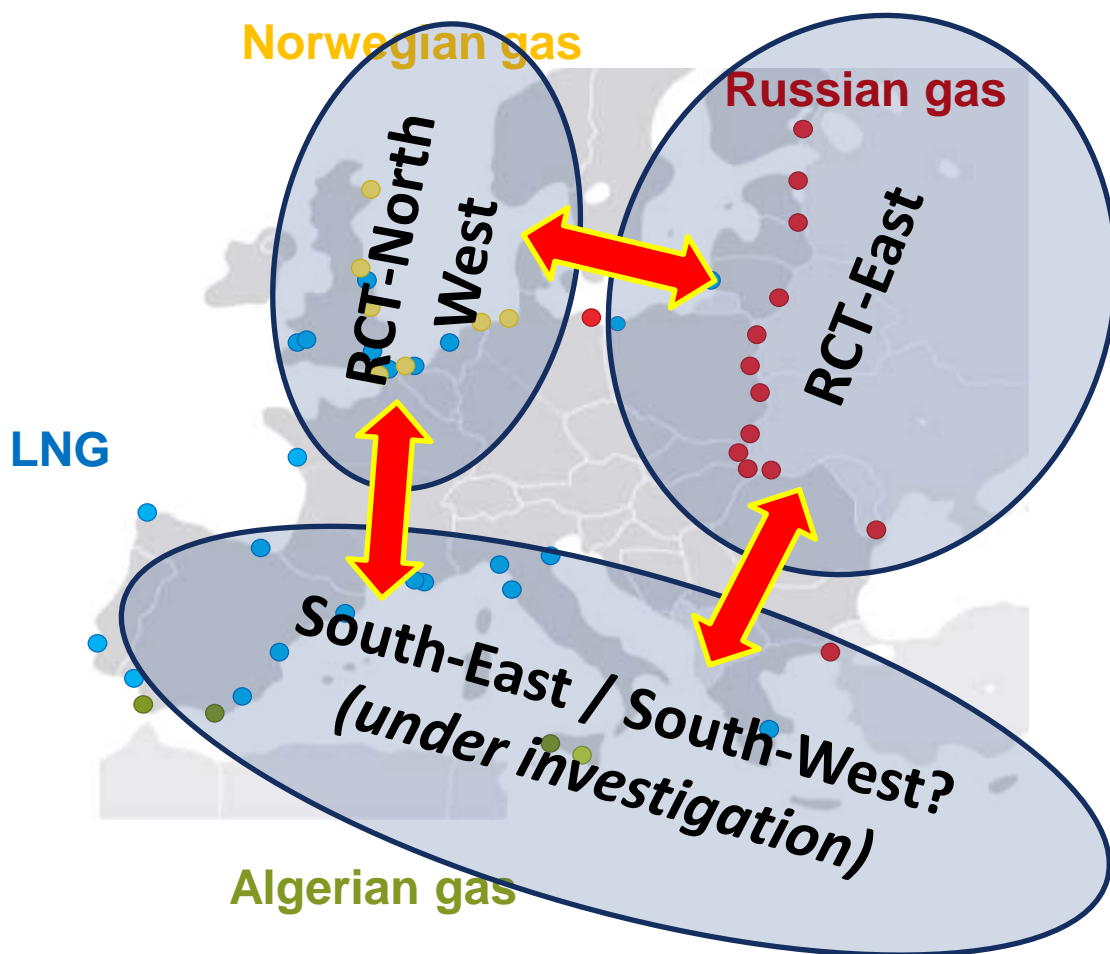
ENTSOGs ‘flow’ modelling tool is

- Based on aggregated entry/exit capacity at cross-border points
- Contains less detailed but better quality of data
- Based on national TSO expertise
- Appropriate for higher level perspective
- Successfully used already for TYNDP, Seasonal Outlooks & Stress Test
- Most suitable for future Risk Assessments and similar simulations

‘Hydraulic’ modelling (referred to in EC proposal) is in ENTSOGs view more appropriate for more detailed simulations on TSO/national level

ENTSOG has proposed to adapt the EC SoS proposal referring to either ‘flow modelling’ or just to ‘modelling’ – which will be fully adequate and more agile for EU/supply corridor/regional level

RCSG – Ideal operational complement for the corridor approach



- Regional Coordination System for Gas (RCSG) with the different teams could play an important role in case of a SoS crisis situation
- Could also assist to apply solidarity principles
- Contracting parties to the Energy Community are partly already on-board



Regional Coordination System for Gas (RCSG)



Regional Coordination Teams (RCT)

- Team East since September 2014 with 17 TSOs incl. Ukrtransgaz
- Team North-West since July 2015 with 11 TSOs including GASSCO
- Team South-East / South-West under investigation

Facilitator for each RCT

- Communication Toolbox
- Getting the RCTs together within about one hour in a virtual room

Coordinator for each RCT

- Coordinating the RCT
- Spokesman of the RCT (e.g. connection between RCT and GCG)

Toolbox for measures to be taken

- Swaps, Re-directing of gas, extra short-term capacity, etc.
- Expertise

Operational Map under development

ENTSOG and
its members
can provide
instant help
and support in
SoS crisis
situations



Thank You for Your Attention

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