

Energy supply security: turning threats into opportunities

- Strengths and weaknesses of the EU gas security of supply (HET1, May 2014).
- Shale gas prospects for Europe (HET3, October 2014; RREB to be published).
- East-Med gas potential (HET7, April 2015).
- Impact of a UK and German coal phase-out on EU electricity mix (HET14, April 2016).
- Electricity Security of supply and Capacity Remuneration Schemes (HET17, September 2016).

HET1: Strengths and weaknesses of the EU gas security of supply

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- **Published in May 2014**
- During tensions between Europe and Russia on Ukraine, before the publication of the Energy security strategy (May 2014), and the Energy security package (Feb. 2016).

HET1: Strengths and weaknesses of EU gas security of supply

- **Various levels of dependency on Russian gas imports between EU Member States.**
- **EU gas system much better prepared in 2014 than in 2009:** Several tools already adopted in the EU to strengthen security of supply (Regulation (EU) 994/2010).
- **Heavy impact on Baltic and SEE countries in case of a Ukraine and/or Russian disruption.**
 - Focus on the SEE region: strong dependency towards one supplier, lack of interconnections and storage facilities in several countries
- **Overview of alternatives to Russian gas imports to Europe:**
 - EU domestic shale gas?
 - Development of Southern corridor?
 - Increase LNG imports to Europe?

HET1: Strengths and weaknesses of the EU gas security of supply

- **Short term measures:**
 - In the event of a disruption: reinforcing solidarity mechanisms between EU member states (LNG, storage).
- **Medium term measures:**
 - Identify high priority projects among PCIs, notably reverse flows projects.
- **Main challenge:** Underutilisation of several gas infrastructures in Europe (LNG terminals, pipelines) Vs increase of investments for security of supply objectives.
- **Proposal of new Regulation published in February 2016. Discussions under Trilogue process in 2017.**
 - A stronger regional approach (predefined regions Vs risk-based approach).
 - Application of EU-wide solidarity principle (legally binding – last resort).
 - Exchange of information on commercial contracts.