

# Gas security in Britain and Europe

## Politics, policies and the market

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# Main messages

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- UK politicians are losing faith in gas market -- despite GB enjoying a high level of supply security
- Europe has a real political problem with Russian gas, which can only be addressed by building a market
- After 15 years of slow-motion, European reforms might be gathering pace, hugely helped by the gas glut
- Gazprom's business model is under stress and might collapse – rising liquidity leads to spot indexation, which boosts liquidity
- Not the right time for the UK to emulate the Continent!

# 1. The British Confusion about Gas

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- Gas is now perceived by all parties as an “insecure” form of energy – Rising import dependence; Russia dominance
- More government intervention (in gas market and fuel-mix) is said to be needed
- However, Great Britain enjoys a high level of gas security – and owes it to its policies
  - Well developed import infrastructure
  - Market arrangements cope well with tight situations
- Even if there were more Russian gas coming to the UK, that would not compromise security

# Confused British (elite) newspapers

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- Nuclear + LCPD retirement
- Renewables cost and intermittency
- CCS cost and uncertainty
- 9 GW of CCGTs being built
- But the new 'dash for gas' should be stopped because dependence on Russia is dangerous

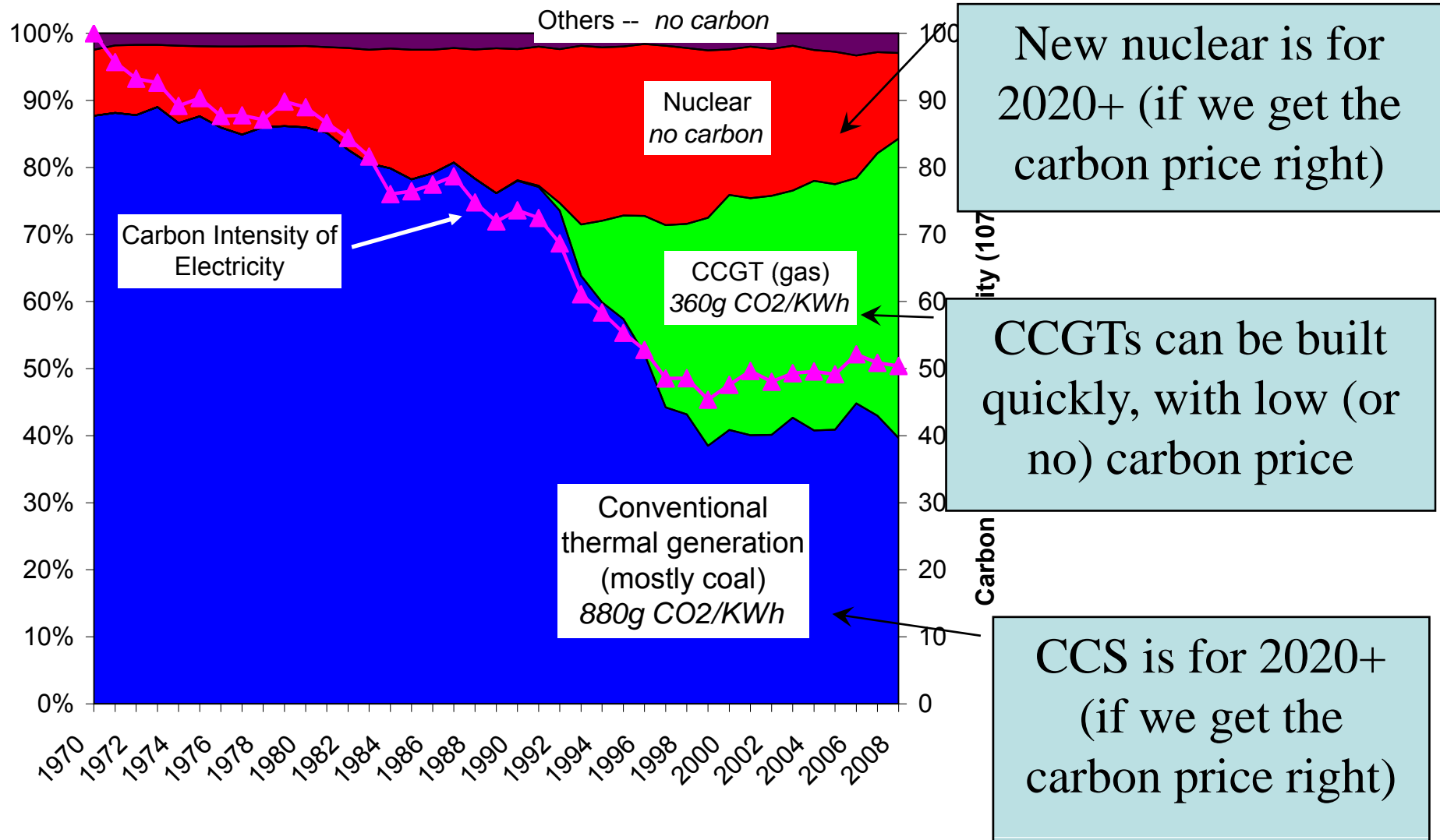
# Confused UK politicians -- *The Wicks report*

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- “During my visit to Norway during this review, I was told repeatedly that the UK’s open and transparent market, including **the ease with which gas could be exported from the UK to continental Europe, was a fundamental reason why Norwegian suppliers are keen to send their gas our way. [...]** Our regulatory structures need to be stable to enable partners to make strategic commitments to the UK market”. – *Wicks Report, pp. 97-98.*
- “It could increase the UK’s gas security if there was **a requirement that a proportion of the stored commercial gas could be released only to meet supply requirements in the UK.**” *Wicks Report, pp.116-117*

*Conservatives (Ch Hendry) make similar proposals – Ban on ‘exports’; strategic storage; public service obligations...*

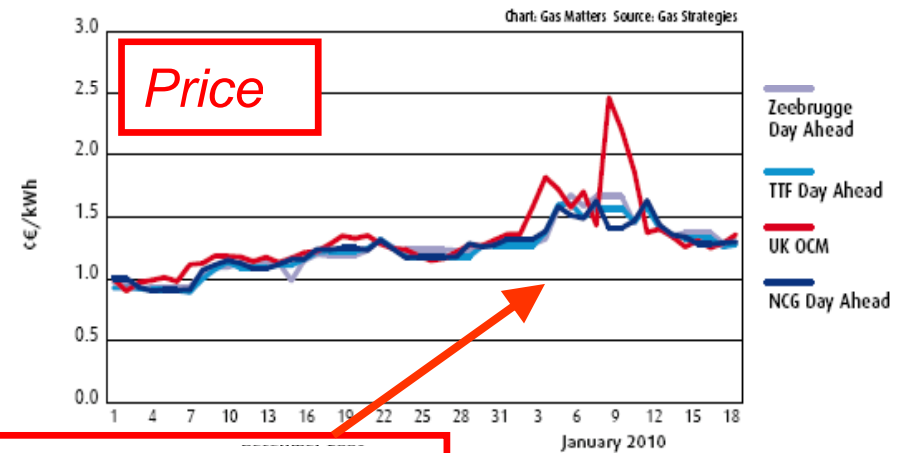
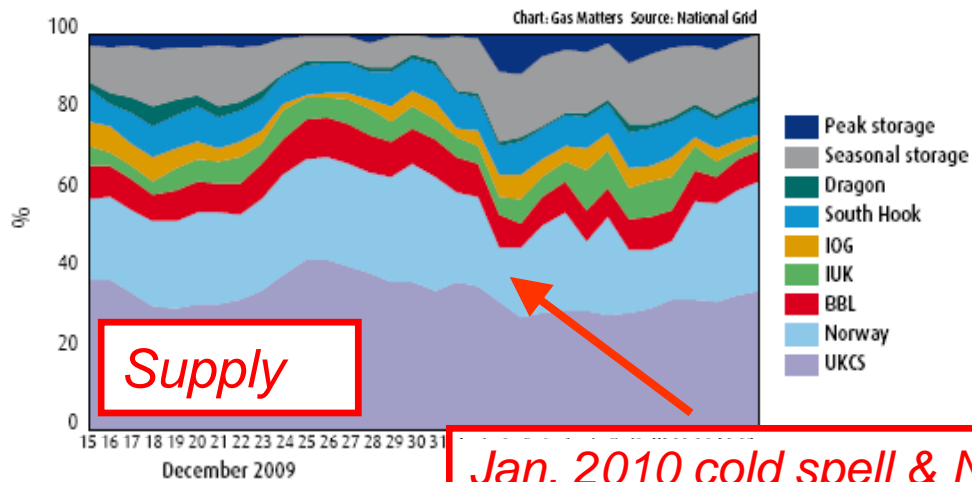
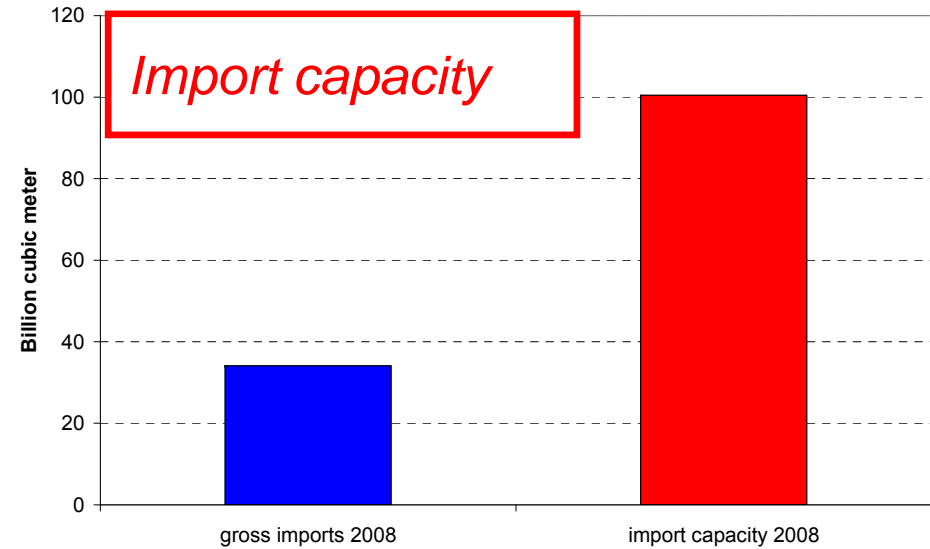
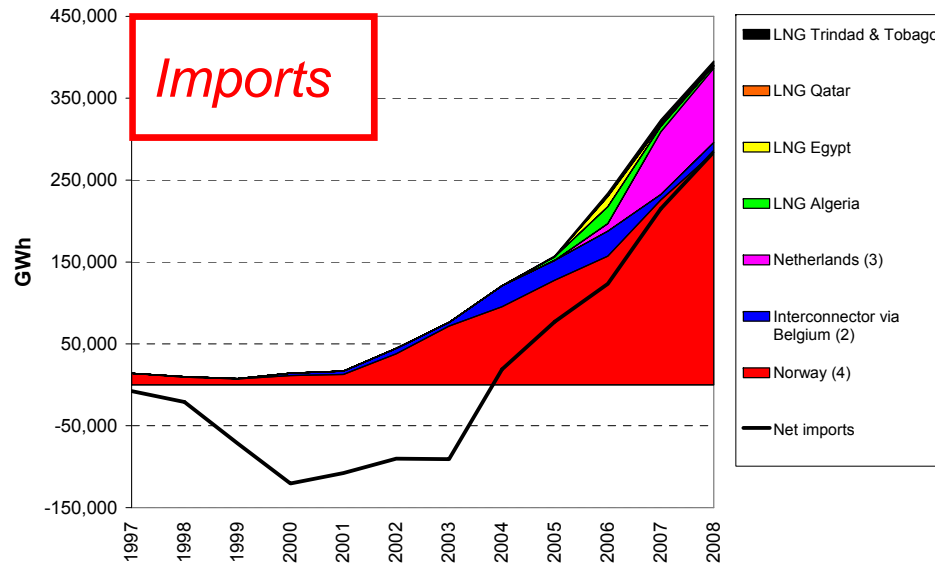
# UK: Gas is key to lower-carbon electricity



Data source: DECC

# The GB market delivers security

Data source: DECC



Jan. 2010 cold spell & Norwegian outage  
(2 charts from Gas Matters, February 2010)

UNIVERSITY OF BRIDGE Electricity Policy Research Group

## 2. The European Problem with Russian Gas

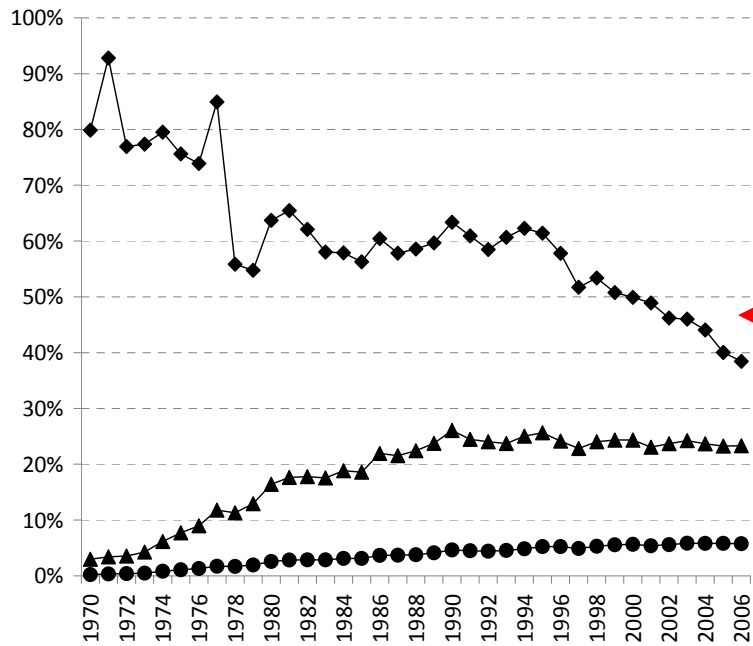
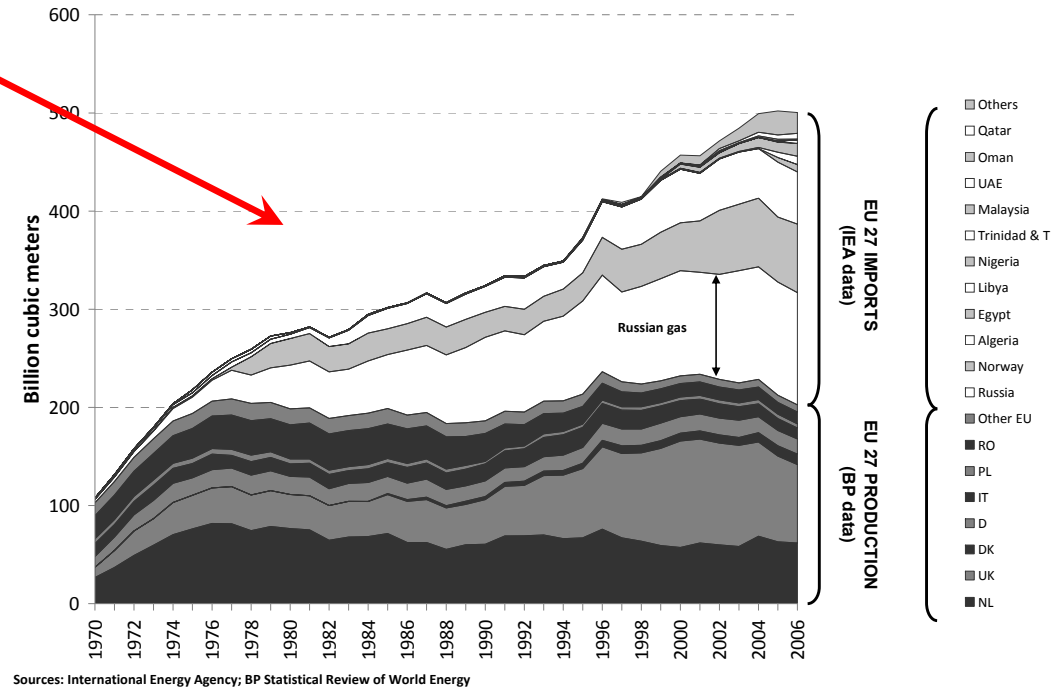
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- To manage its 'dependence' problem Europe needs a competitive, integrated wholesale market
- Gas security is a key political issue in the post-enlargement EU
- After 15 years of policy efforts (driven by the UK!), the outcome has remained elusive
- Unholy alliance between incumbent gas companies and pro-Russian governments – and other issues as well



# Rising imports, falling dependence

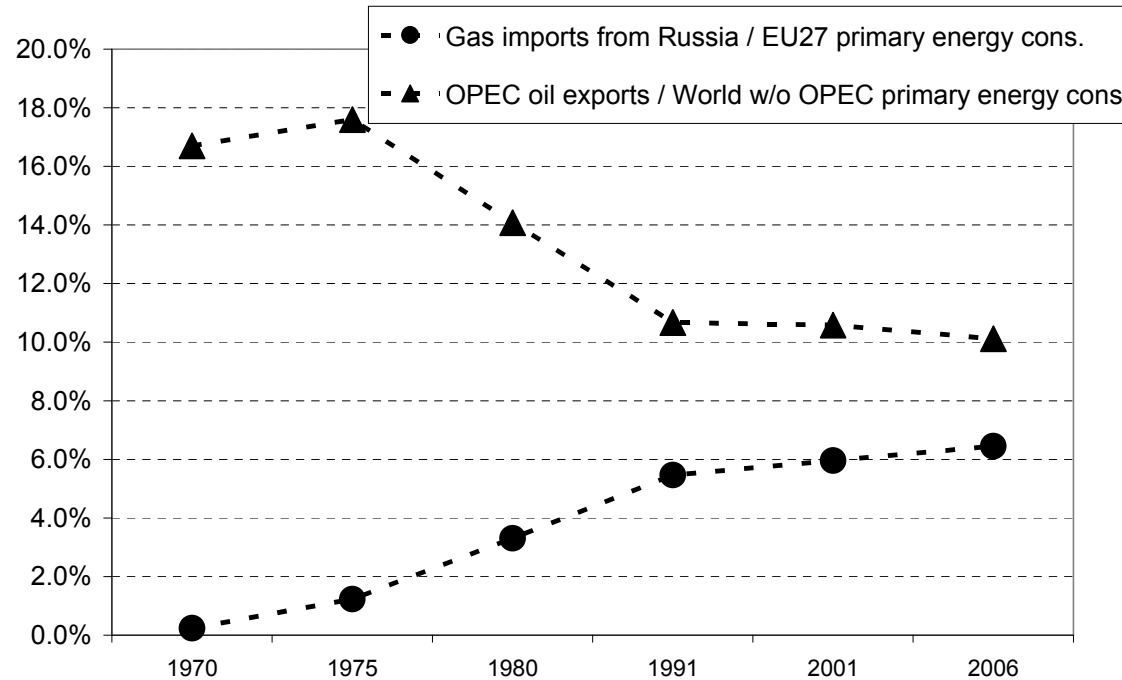
**IMPORTS UP**  
 Since 1990, EU imports rose from 43% of consumption to 60%



**DEPENDENCE DOWN**  
 Since 1990, Russian gas went from 65% of EU imports to 39% (28% of consumption to 23%)

Source: BP Statistical Review of World Energy; International Energy Agency

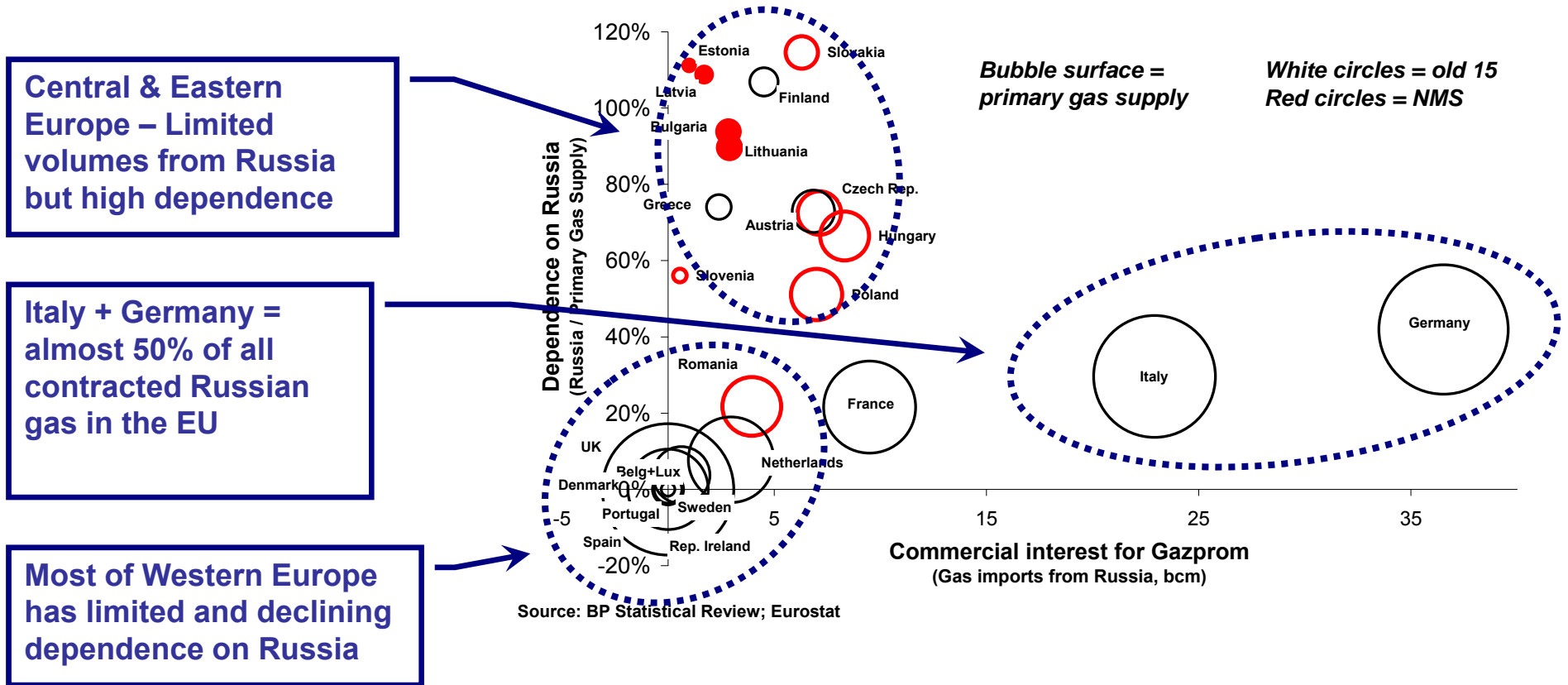
# Europe's dependence in perspective



Sources: Gazprom; BP Statistical Review of World Energy

*The way markets work has a big impact on the political implications of 'import dependence'*

# The three Europes of Russian gas



*A single competitive gas market would have huge benefits -- move diversity eastward, make Europe more attractive for LNG and increase the system's resilience to external shocks*

# Pro-Russian governments opposed ownership unbundling

## ECFR EU-Russia Power Audit

| Foreign policy attitude towards Russia (ECFR) | Oppose 'ownership unbundling' | Support 'ownership unbundling' |
|---|-------------------------------|--------------------------------|
| <i>Trojan horses</i>                          |                               |                                |
| Cyprus  | •                             |                                |
| Greece  | •                             |                                |
| <i>Strategic partners</i>                     |                               |                                |
| France  | • <b>(leader)</b>             |                                |
| Germany                                       | • <b>(leader)</b>             |                                |
| Italy   |                               |                                |
| Spain   |                               | •                              |
| <i>Friendly pragmatists</i>                   |                               |                                |
| Austria                                       | •                             |                                |
| Belgium                                       |                               | •                              |
| Bulgaria                                      | •                             |                                |
| Finland                                       |                               | •                              |
| Hungary                                       |                               |                                |
| Luxembourg                                    | •                             |                                |
| Malta   |                               |                                |
| Portugal                                      |                               |                                |
| Slovakia                                      | •                             |                                |
| Slovenia                                      |                               | •                              |
| <i>Frosty pragmatists</i>                     |                               |                                |
| Czech Republic                                |                               |                                |
| Denmark                                       |                               | •                              |
| Estonia                                       |                               |                                |
| Ireland                                       |                               |                                |
| Latvia  | •                             |                                |
| Netherlands                                   |                               | • <b>(leader)</b>              |
| Romania                                       |                               | •                              |
| Sweden  |                               | • <b>(leader)</b>              |
| United Kingdom                                |                               | • <b>(leader)</b>              |
| <i>New cold warriors</i>                      |                               |                                |
| Lithuania                                     |                               |                                |
| Poland  |                               |                                |

Source: Categorising of EU countries according to their foreign policy towards Russia, from: Mark Leonard and Nicu Popescu, *A Power Audit of EU-Russia Relations*, London: European Council on Foreign Relations, 2007, p. 26-50. Position towards ownership unbundling of gas transmission from supply activities, from: Letter from the Ministers in charge of energy of eight EU member states to Angelika Niebler, Chairwoman of the ITRE Committee, European Parliament, dated 29 January 2008; "Third Option" mooted on energy liberalisation", Euractiv.com, 27 November 2007.

## Izvestia "Русский вопрос" раскол Европы" (2 Sept 2008)

| Foreign policy attitude towards Russia (Izvestia) | Oppose 'ownership unbundling' | Support 'ownership unbundling' |
|---|-------------------------------|--------------------------------|
| <i>Russophobes</i>                                |                               |                                |
| Poland  |                               |                                |
| Lithuania   |                               |                                |
| Latvia  | •                             |                                |
| Estonia   |                               |                                |
| UK  |                               | • <b>(leader)</b>              |
| Sweden  |                               | • <b>(leader)</b>              |
| <i>Moderate Critics</i>                           |                               |                                |
| Czech Republic                                    |                               |                                |
| Hungary   |                               |                                |
| Romania   |                               | •                              |
| Denmark   |                               | •                              |
| <i>Pragmatics, Centrists, Neutrals</i>            |                               |                                |
| Slovakia  | •                             |                                |
| Slovenia  |                               | •                              |
| Bulgaria  | •                             |                                |
| Spain   |                               | •                              |
| Finland   |                               | •                              |
| Netherlands                                       |                               | • <b>(leader)</b>              |
| Austria   | •                             |                                |
| Ireland   |                               |                                |
| Portugal  |                               |                                |
| Malta   |                               |                                |
| <i>Russia's Lobbyists</i>                         |                               |                                |
| France  | • <b>(leader)</b>             |                                |
| Germany   | • <b>(leader)</b>             |                                |
| Italy   |                               |                                |
| Belgium   |                               | •                              |
| Luxemburg   | •                             |                                |
| Greece  | •                             |                                |
| Cyprus  | •                             |                                |

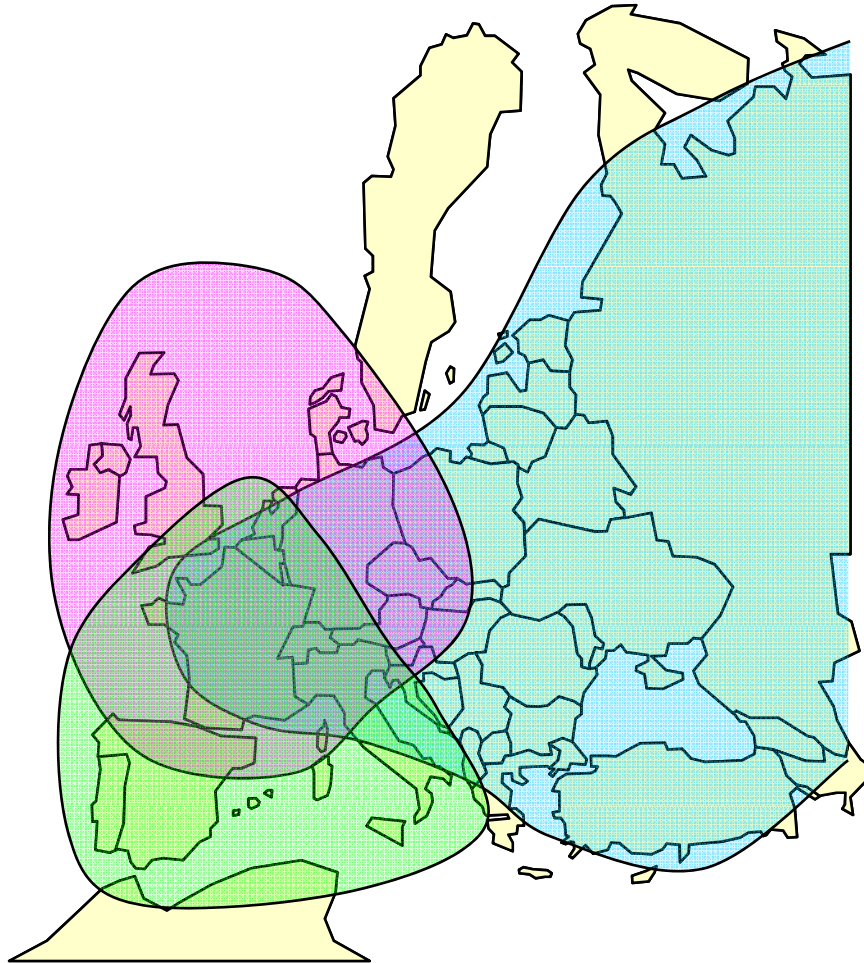
Source: Categorising of EU countries according to their foreign policy towards Russia, from: Izvestia, "Русский вопрос" раскол Европы ("Russkii vopros" raskol Evropy), <http://www.izvestia.ru/politic/article3120068/> (2 Sept 2008). Position towards ownership unbundling of gas transmission from supply activities, from: Letter from the Ministers in charge of energy of eight EU member states to Angelika Niebler, Chairwoman of the ITRE Committee, European Parliament, dated 29 January 2008; "Third Option" mooted on energy liberalisation", Euractiv.com, 27 November 2007.

## 3. EU Recent Policy Response

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- 3rd liberalisation package
  - More TSO independence – but short of ownership separation
- DG Competition's big push on energy
  - Sector Enquiry (2005-2006)
  - Cases against E.On (elec); RWE (gas); ENI (gas); E.On (gas); GdF (gas) – meaningful remedies obtained
- Regulators' Regional Initiatives
  - Practical work on barriers to trading and market integration
- National Regulators' work in key markets (FR; DE; BE; AT; IT...) – more independent; more competent; more aggressive

# Integrating Europe



Map adapted from Gas Natural

**France, Belg., Ger., AT, are key to:**

- **Competition between 'North-western gas', 'south-western gas', and Russian gas**
- **'Europeanising LNG'**
- **Central Europe's access to non-Russian gas**

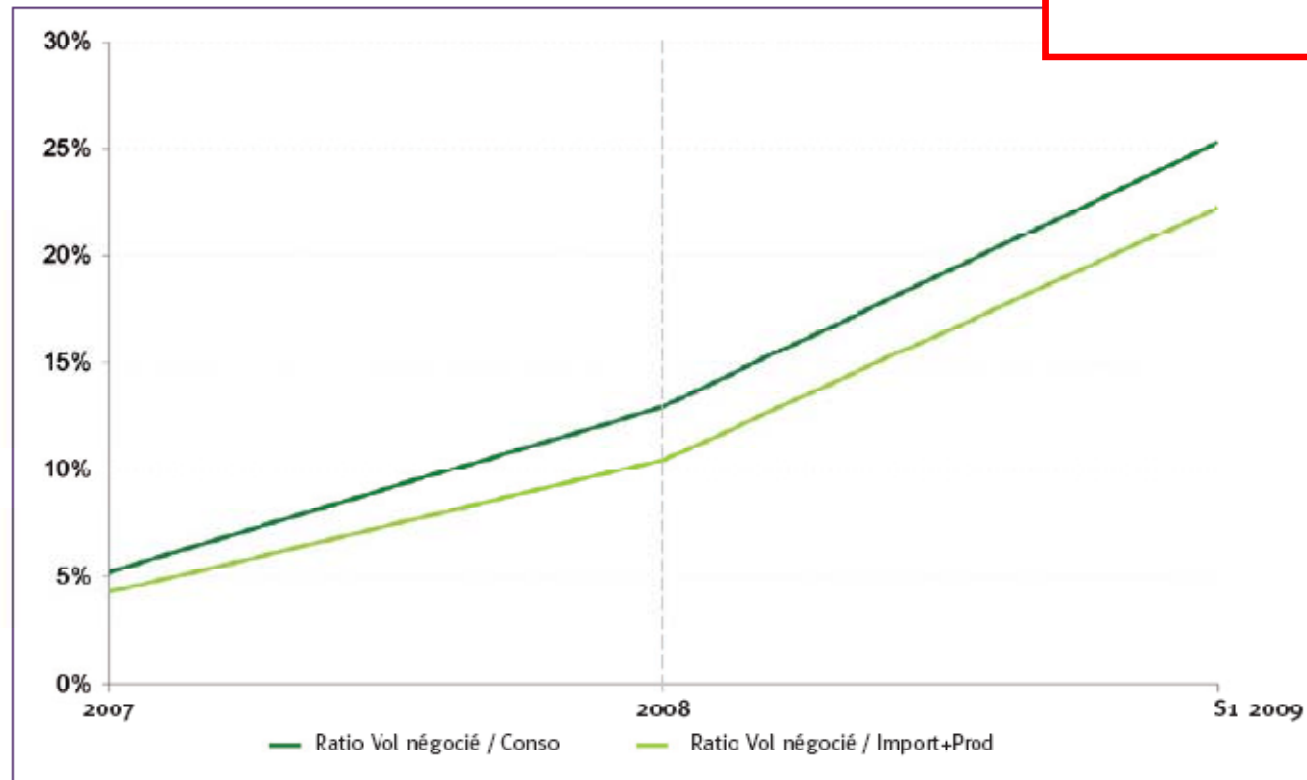
**Progress real, if slow**

- **Increased interconnection**
- **Merging of trading zones**
- **Reform of balancing regimes**

# Rising liquidity: France

Graph from Commission de Régulation de l'Énergie (French regulator)

**Traded gas on the French market: from 5% in 2007 to 25% in 2009**



Sources : Brokers, Powernext, GRTgaz, TIGF – Analyse : CRE

## 4. Recent market & industry developments

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- Europe is awash in non-Russian gas, a lot of it priced on the spot market – much cheaper than oil-indexed gas
- LNG supply boom; global recession; North American supply revival
- Is Gazprom's business model collapsing?
  - 'We will not re-negotiate' (December 2009)
  - All large LT contracts re-negotiated (at least 15% spot indexation) (February 2010) – only for “crisis period”
  - Temporary glut or structural change? In oil, a ‘temporary’ glut did trigger a structural change in early 1980s
  - OPEC was also in denial about the collapse of the traditional contracts...
  - The key to a lasting structural change is market liquidity – which will be boosted by the renegotiations



# Conclusions

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- The British confidence crisis in gas markets is not only unwarranted, but also very badly timed
- The gas glut and recent policy developments (EU and national) are boosting liquidity in continental European markets; integration is progressing
- Gazprom's business model is tested
- The interest of large European gas companies is changing – diversified supply and client portfolio, across EU – *they value a pan-European wholesale market*
- The British long-term investment in EU gas liberalisation may be about to pay – No time to back-pedal!