

Russian Oil and Gas: Crisis and Future

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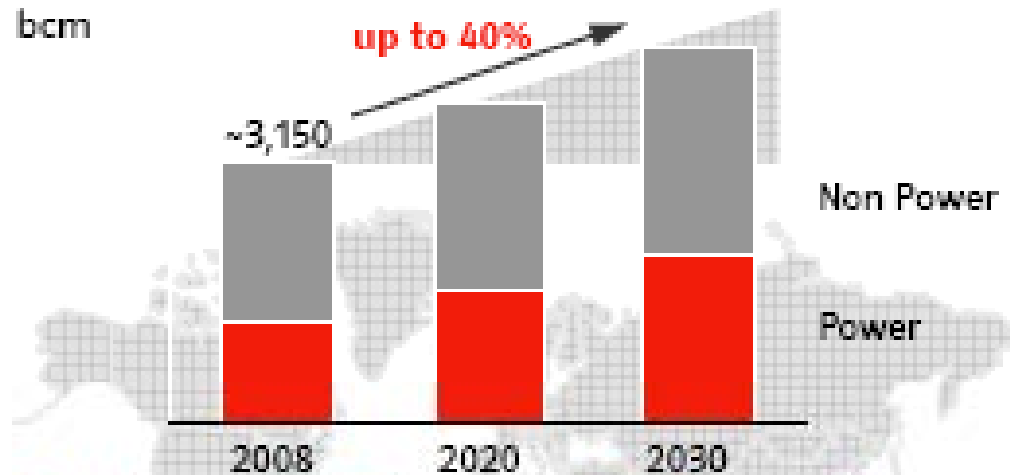
**Director of the Institute of Geopolitics and Energy
Security of Russia**

Doctor of Economics, Professor

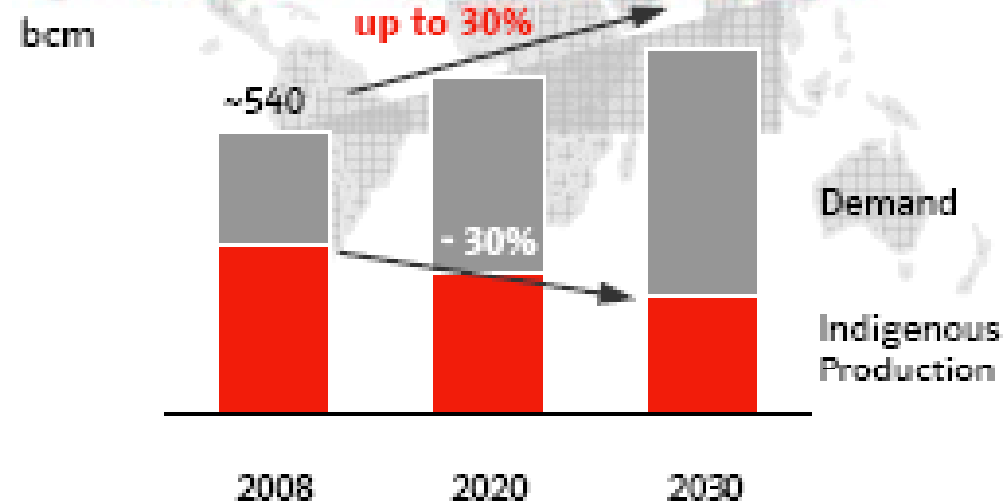
Nice, December 2009

Long Term Prospects: Natural Gas is an Integral Part of a Low Carbon World

Development of world gas demand

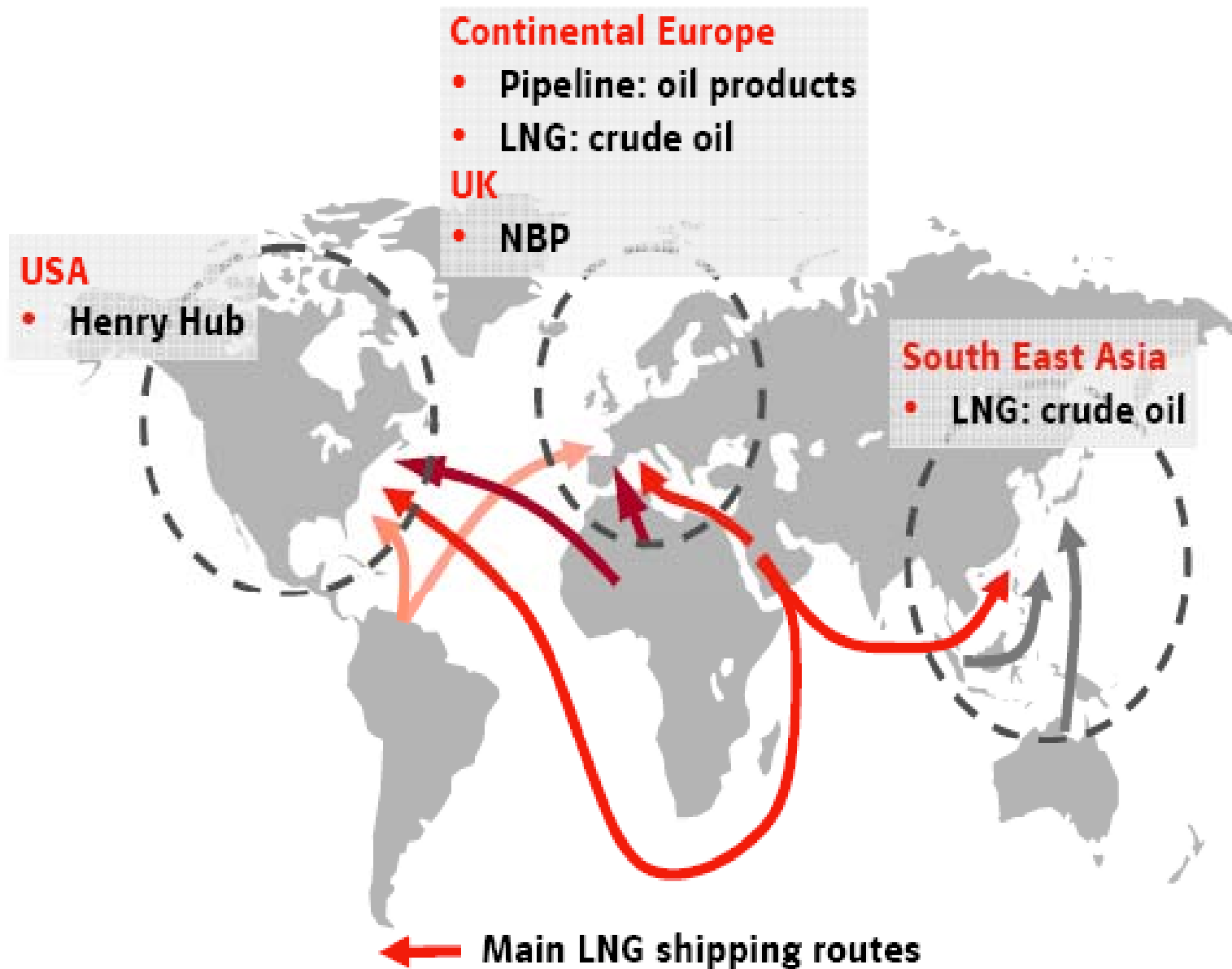


Development of European Gas Demand



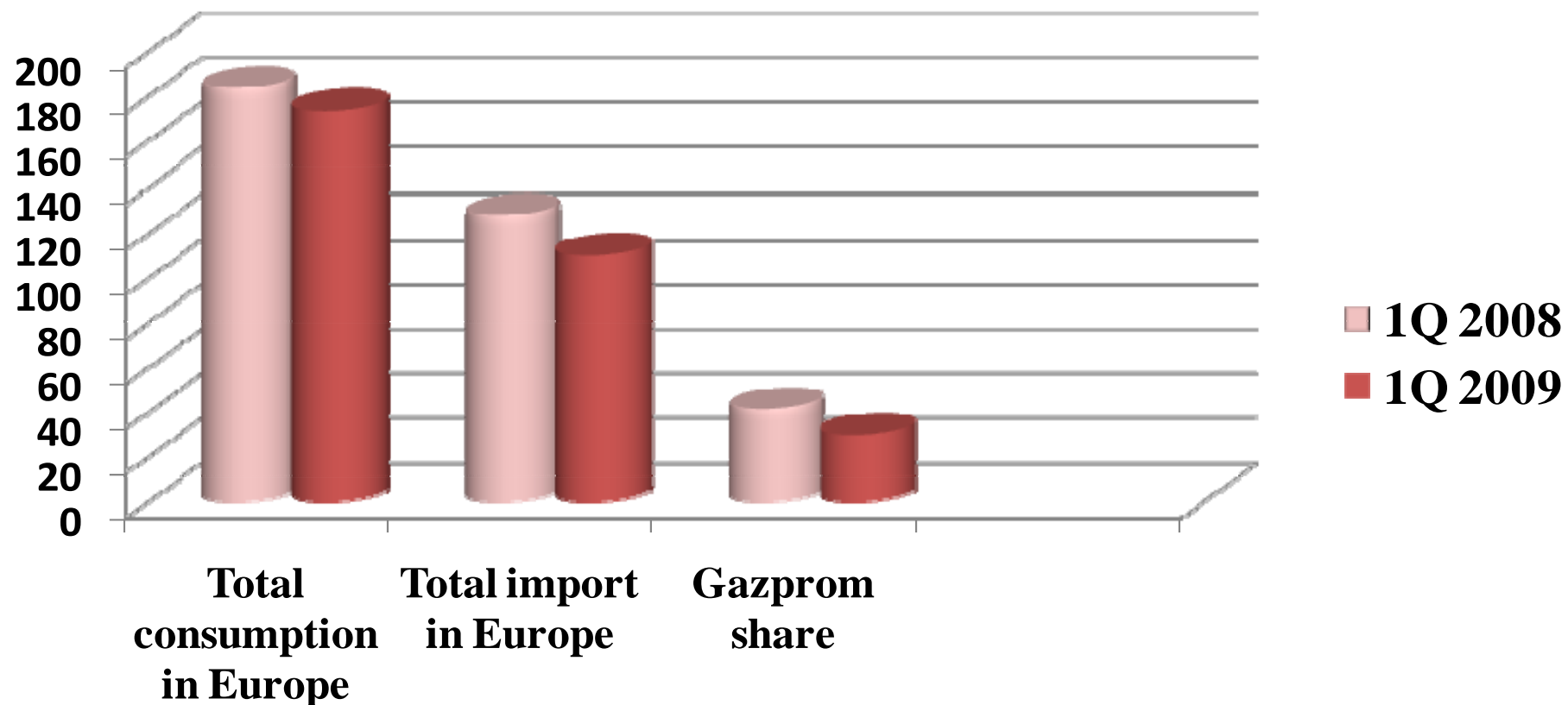
Sources: E.ON, ENGIN

Main LNG Regions and Pricing

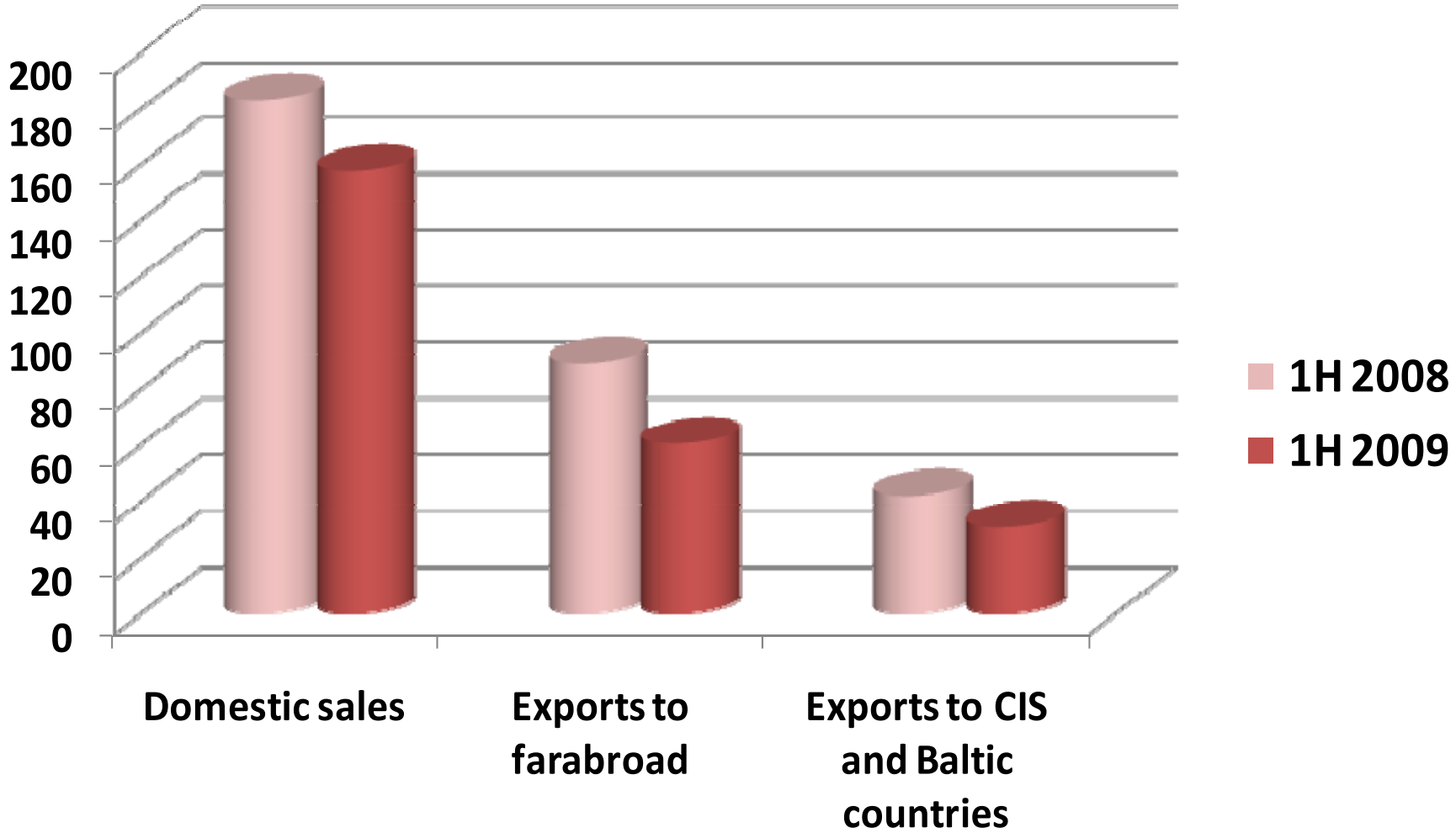


Sources: E.ON, ENGIN

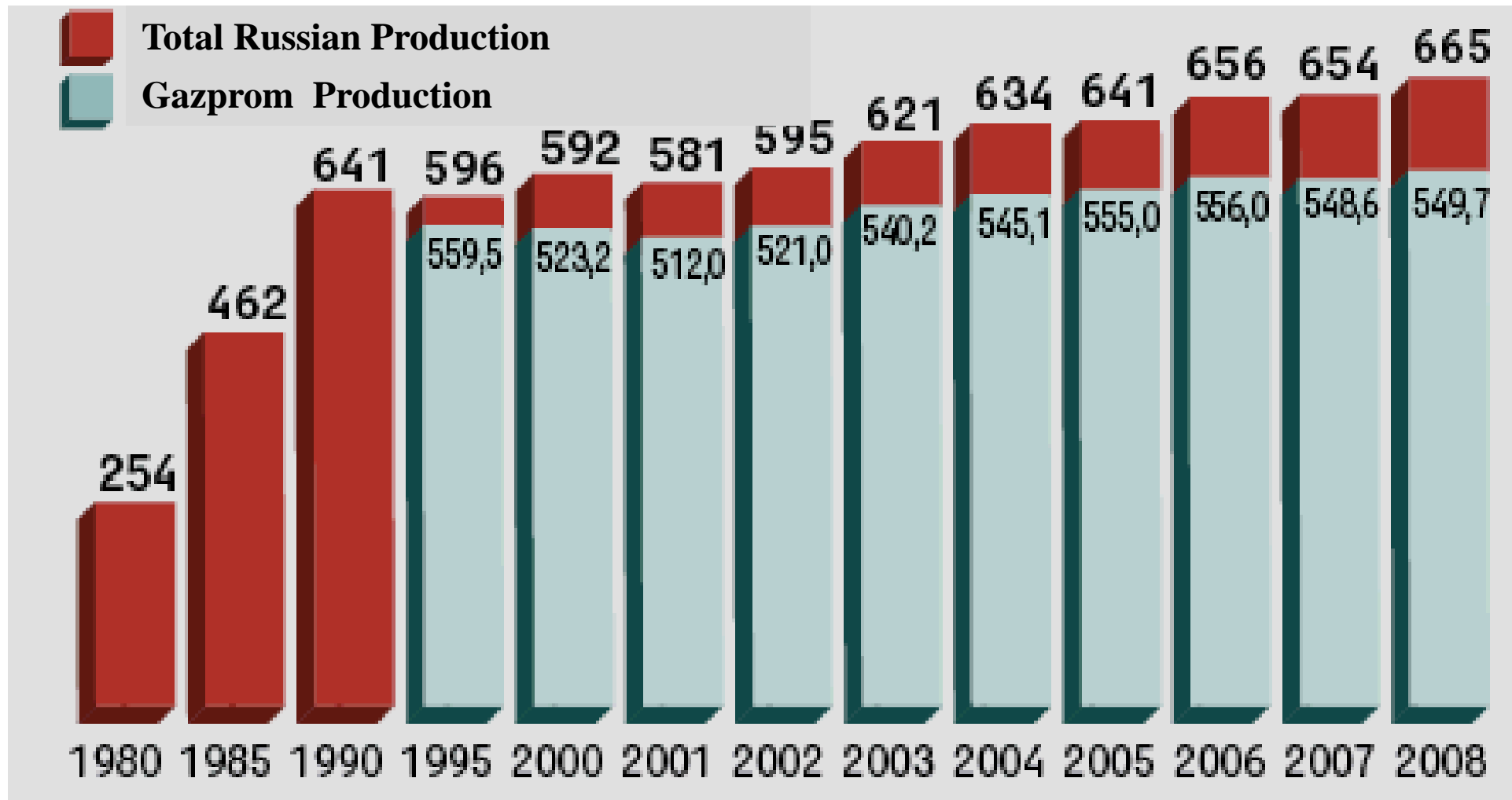
Gas Consumption and Imports to Europe, bcm



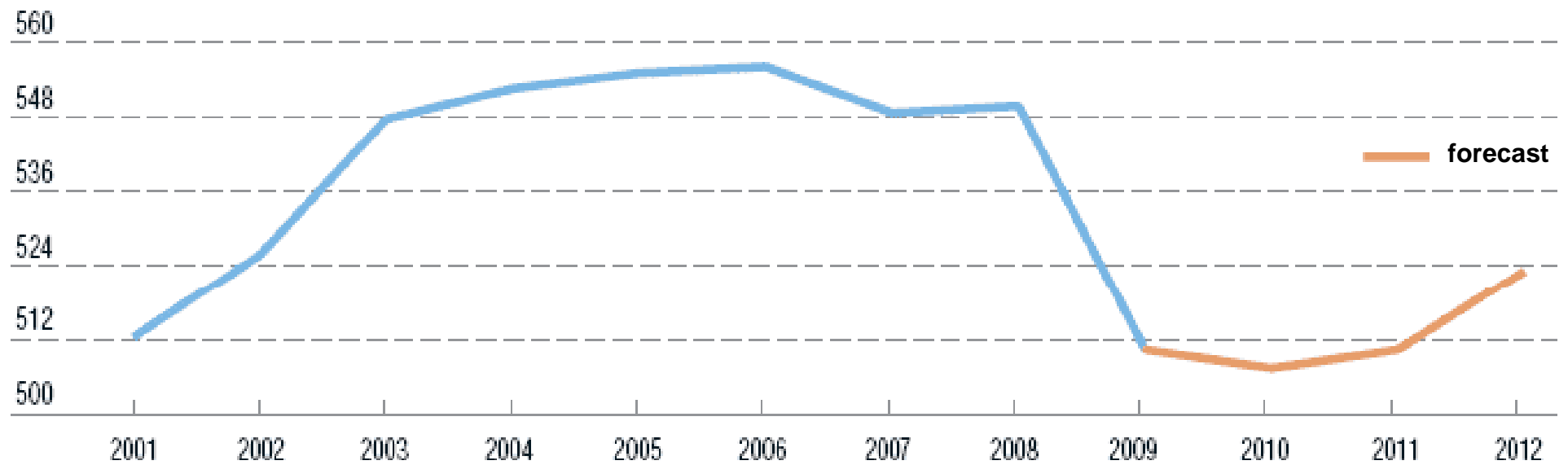
Gazprom Sales, bcm



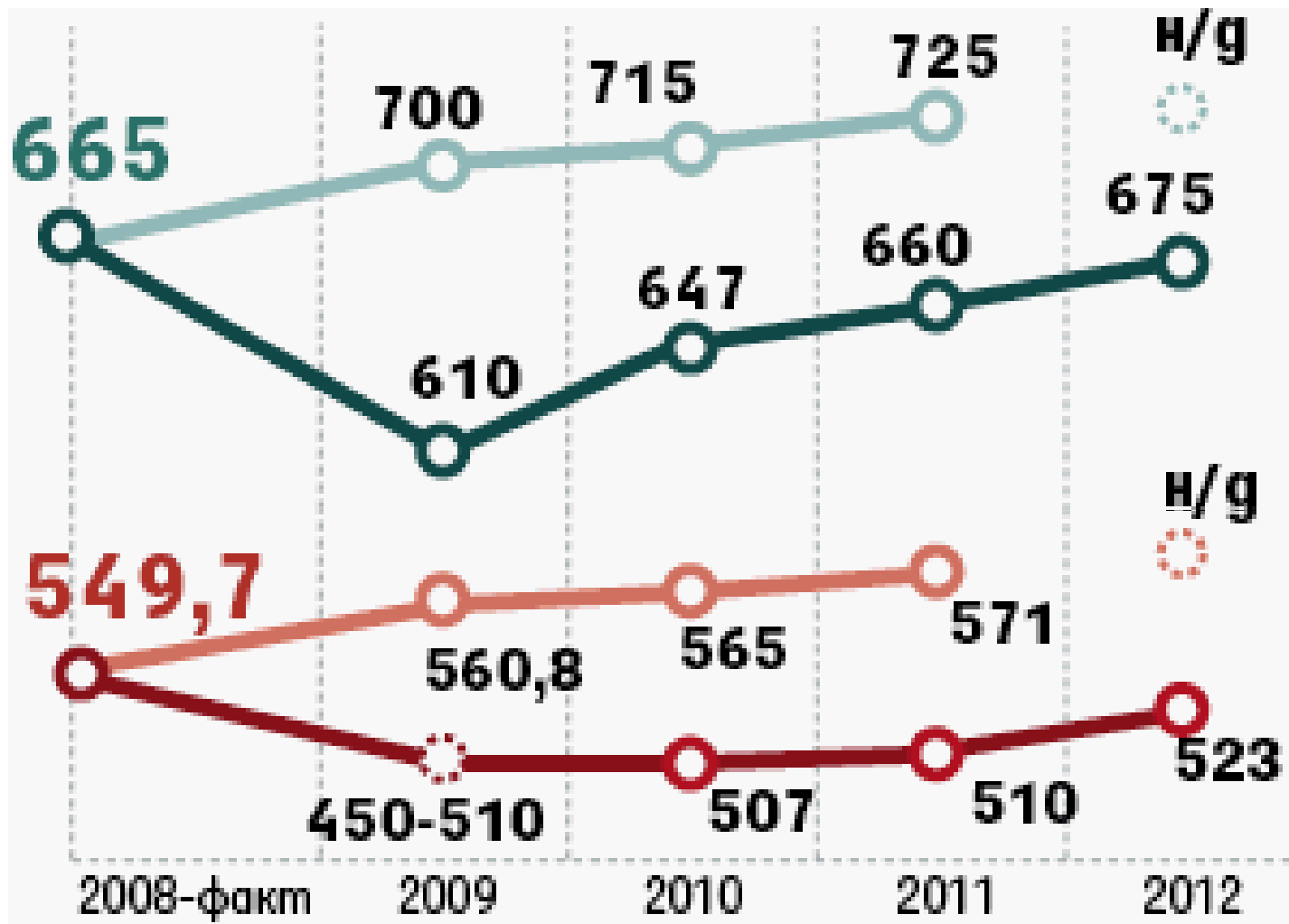
Gazprom Production 1980-2008, bcm



Gazprom Production, bcm



Gazprom Production 2008-2012, bcm



Total production

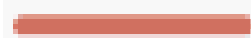


Old forecast by Ministry of Economic Development (Aug.2008)



New forecast by Ministry of Economic Development (April 2009)

Gazprom production



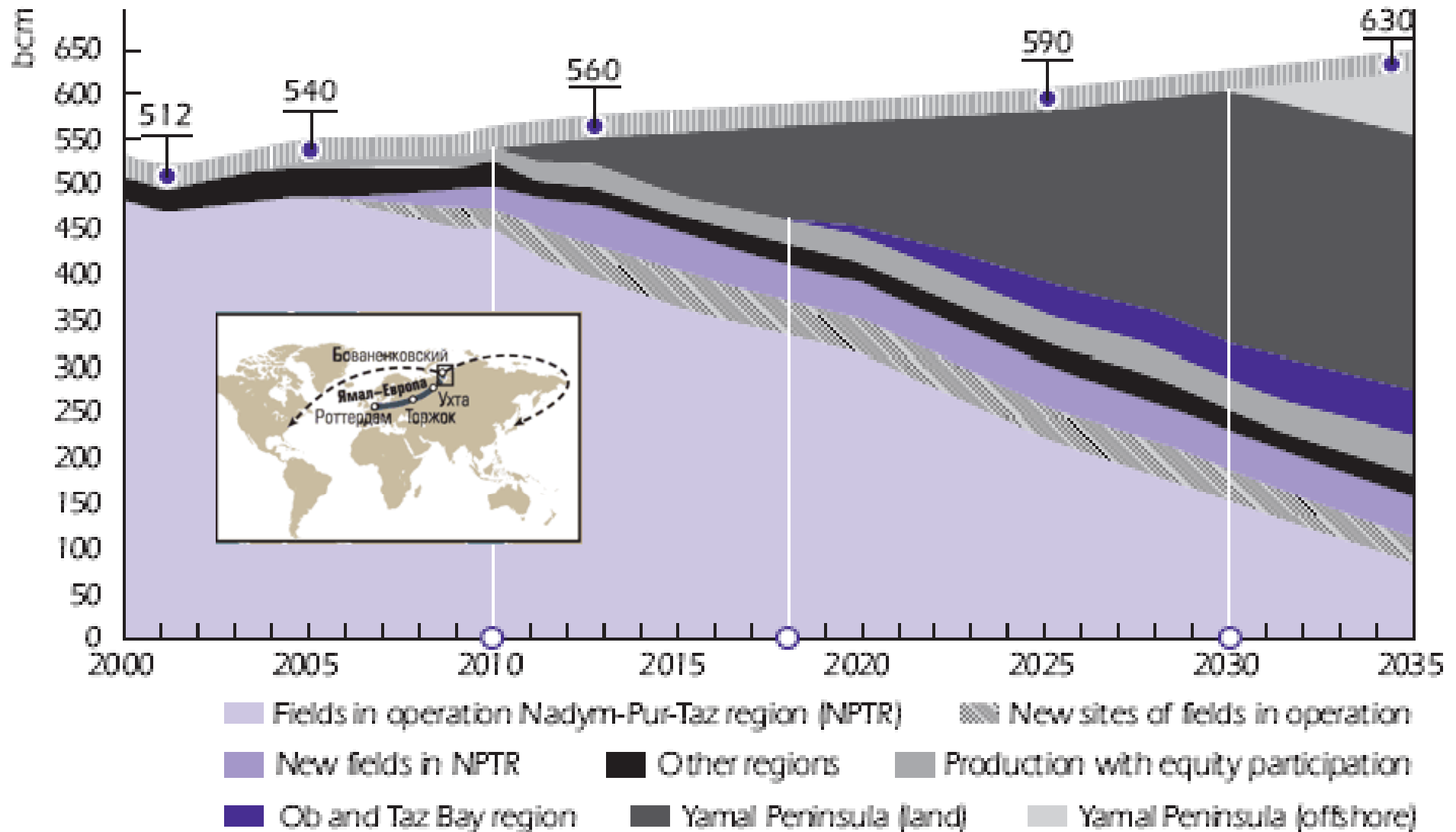
Old Gazprom forecast (December 2008)



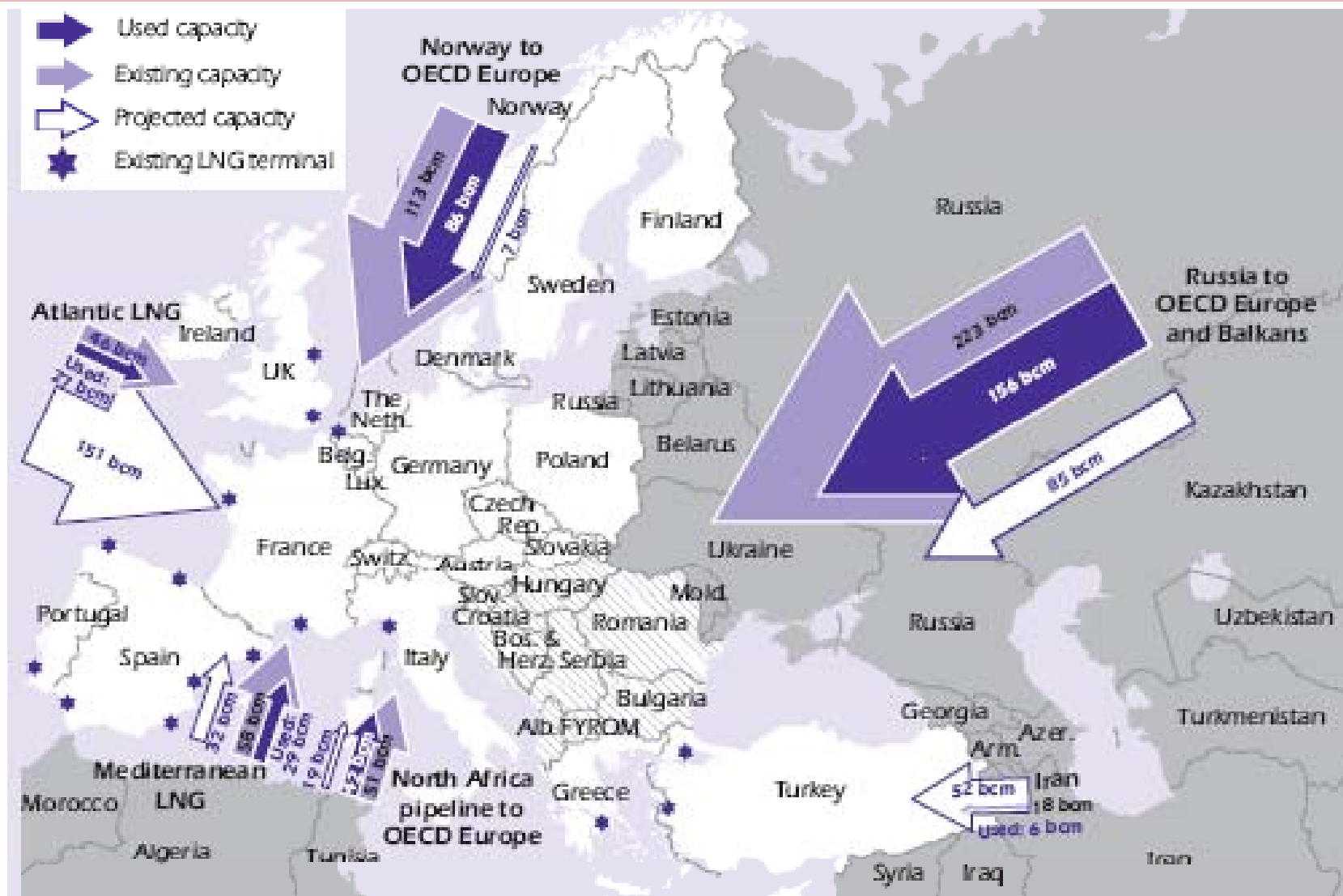
New Gazprom forecast (June 2009)

Gazprom's Production Outlook to 2030

Yamal is the Key to Russian Production post-2010



Comparison between Supply Capacities in 2006 and 2015 for IEA Europe and new EU member states

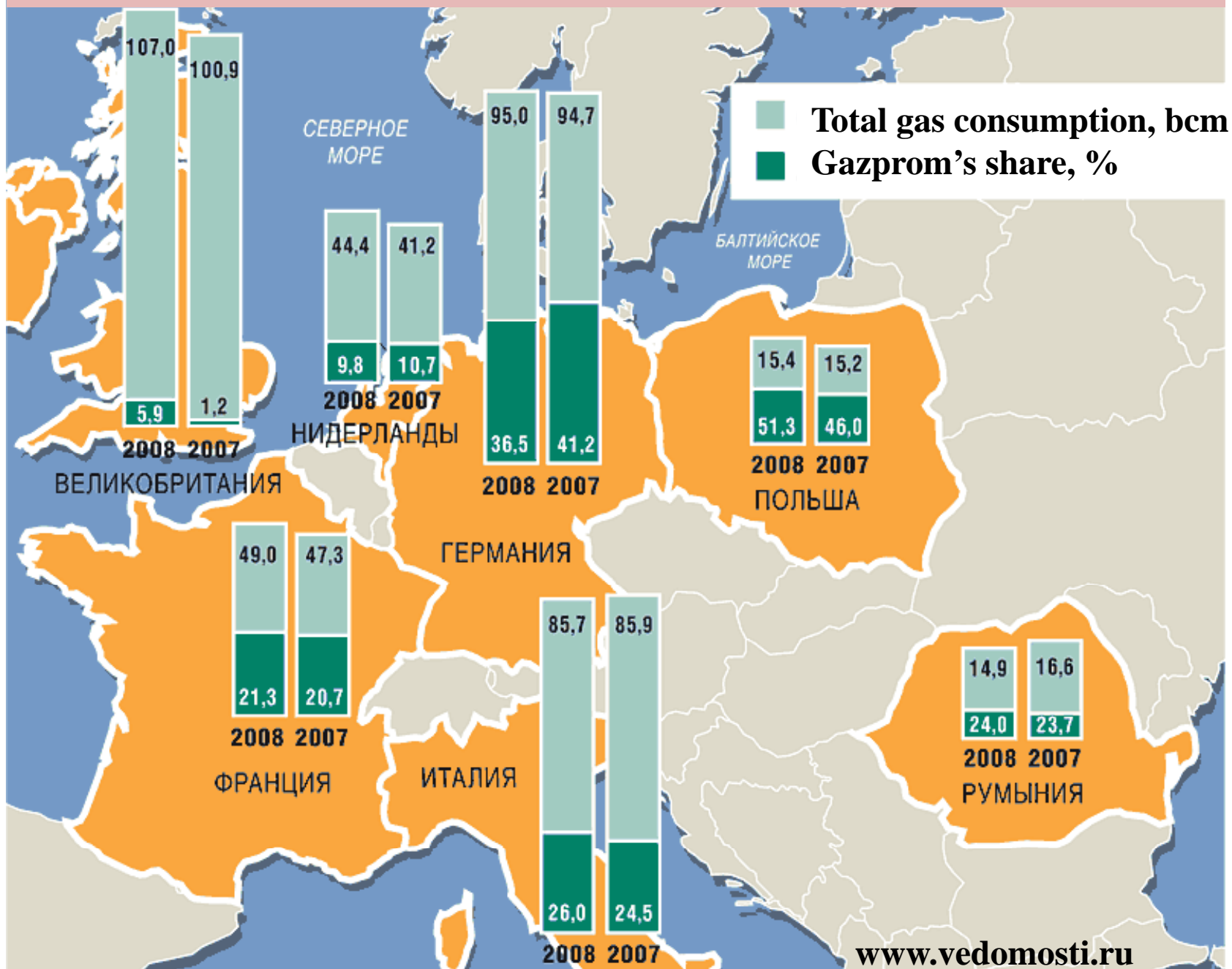


The boundaries and names shown and the designations used on maps included in this publication do not imply official endorsement or acceptance by the IEA.

Source: IEA, GIE, company information.

Note: Norway is considered here as a supplier to Europe.

Gazprom's Share at Large European Markets

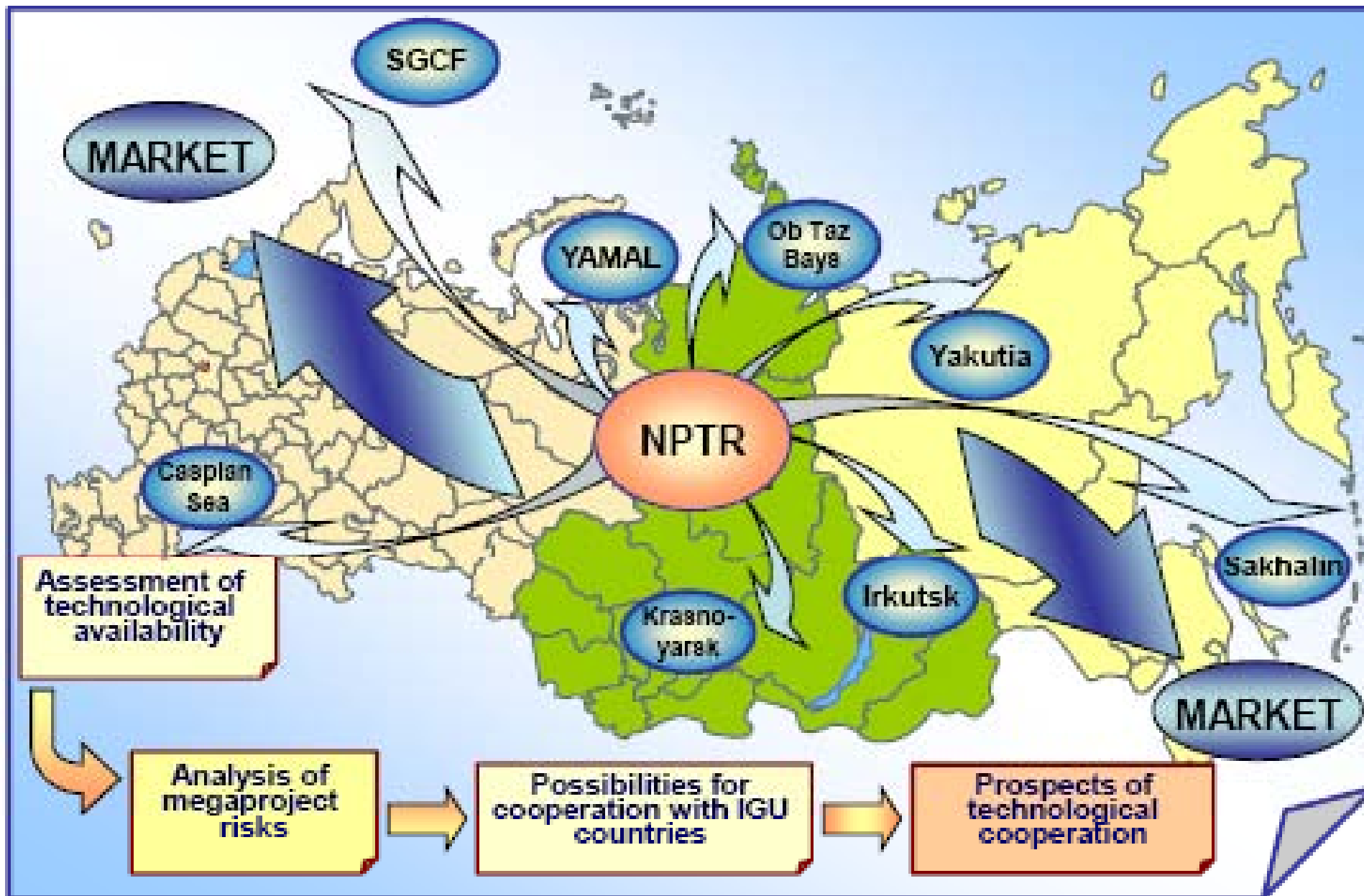


Russian Gas in EU

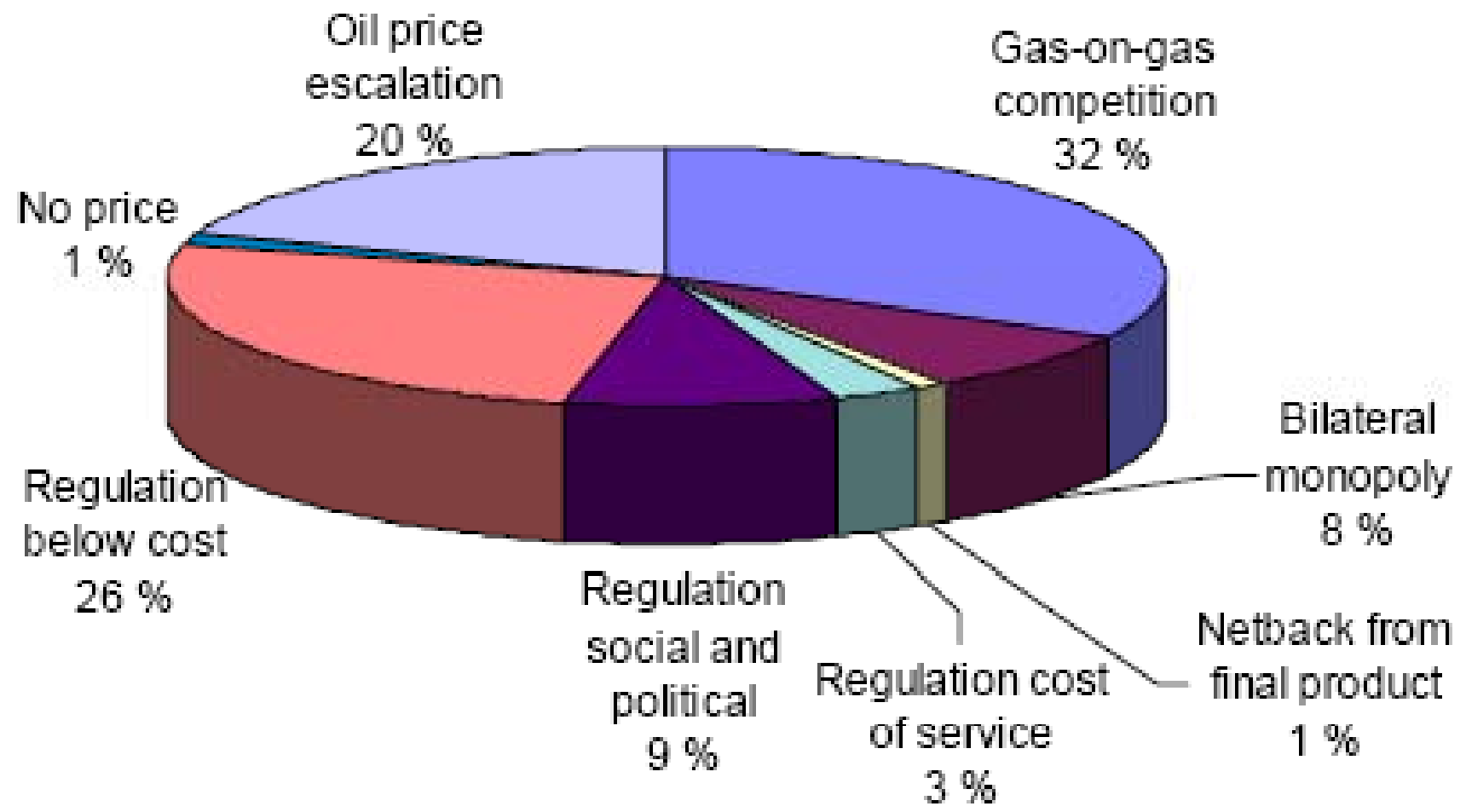


*Косово. Некоторые страны ЕС признают Косово государством, независимым от Сербии.

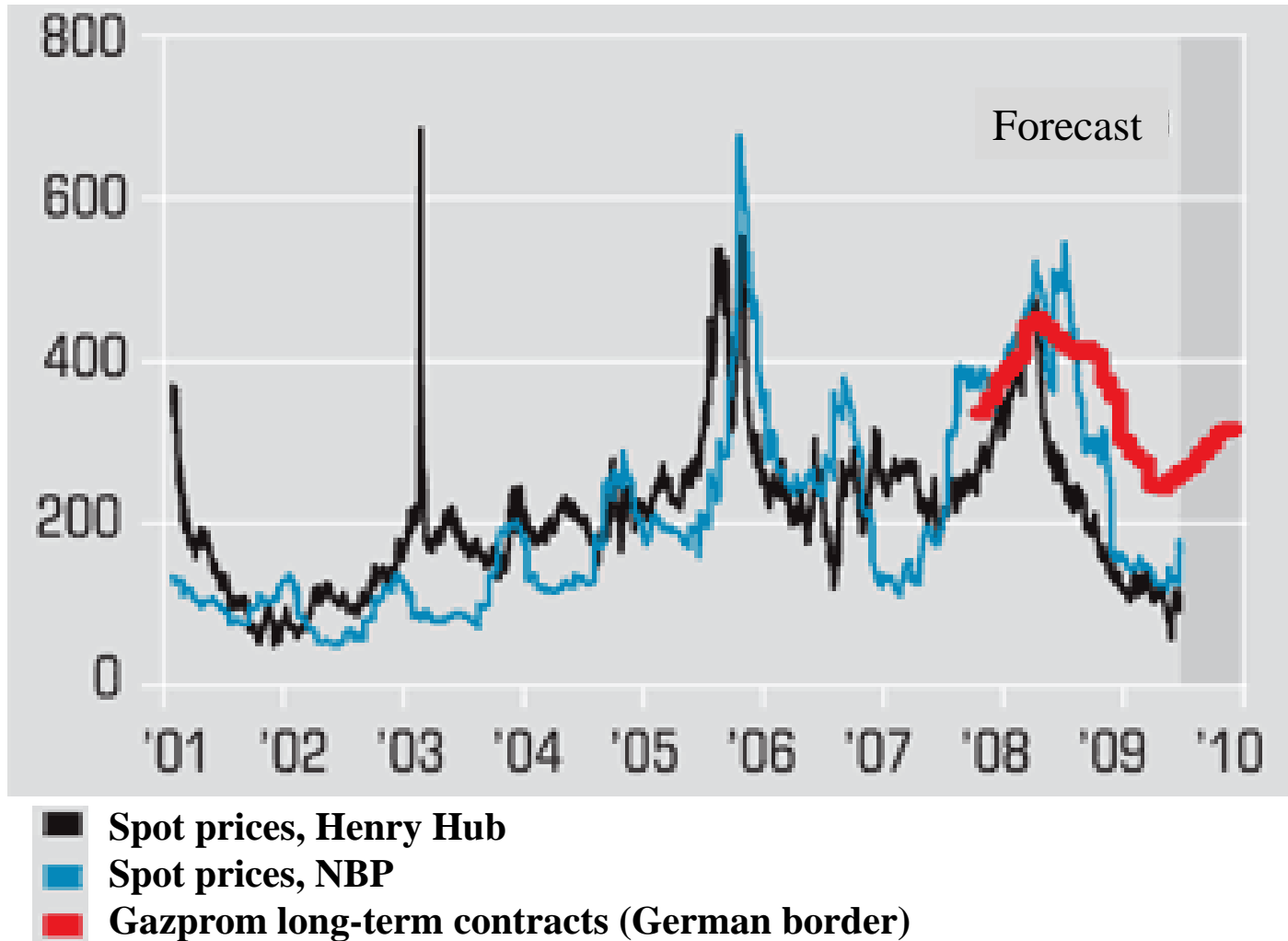
Russian Gas Industry: Development Prospects



World Price Formation 2007 – Total Consumption

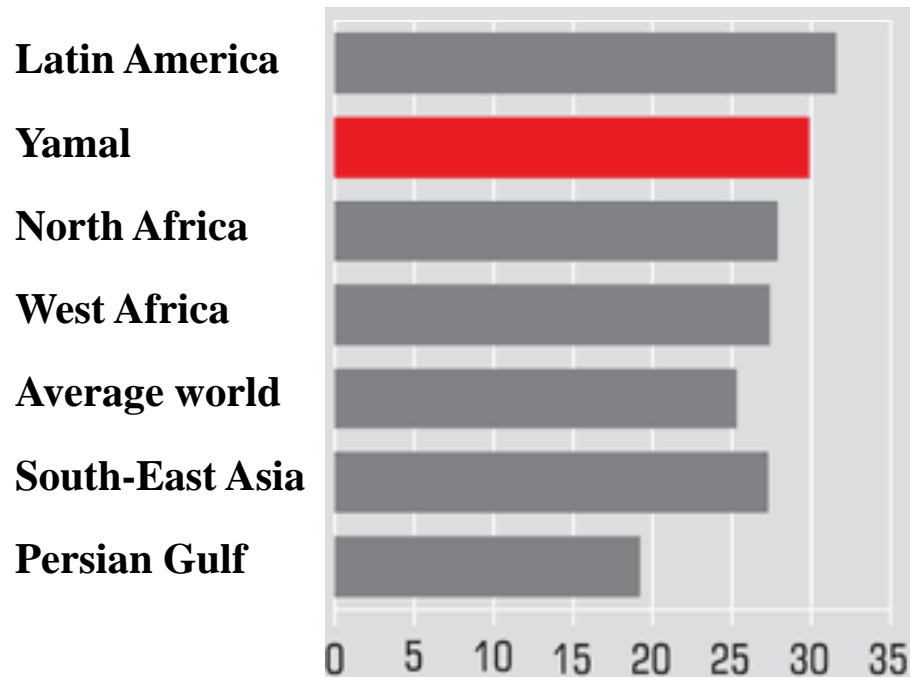


Gas Prices in 2009, \$/1000 cm

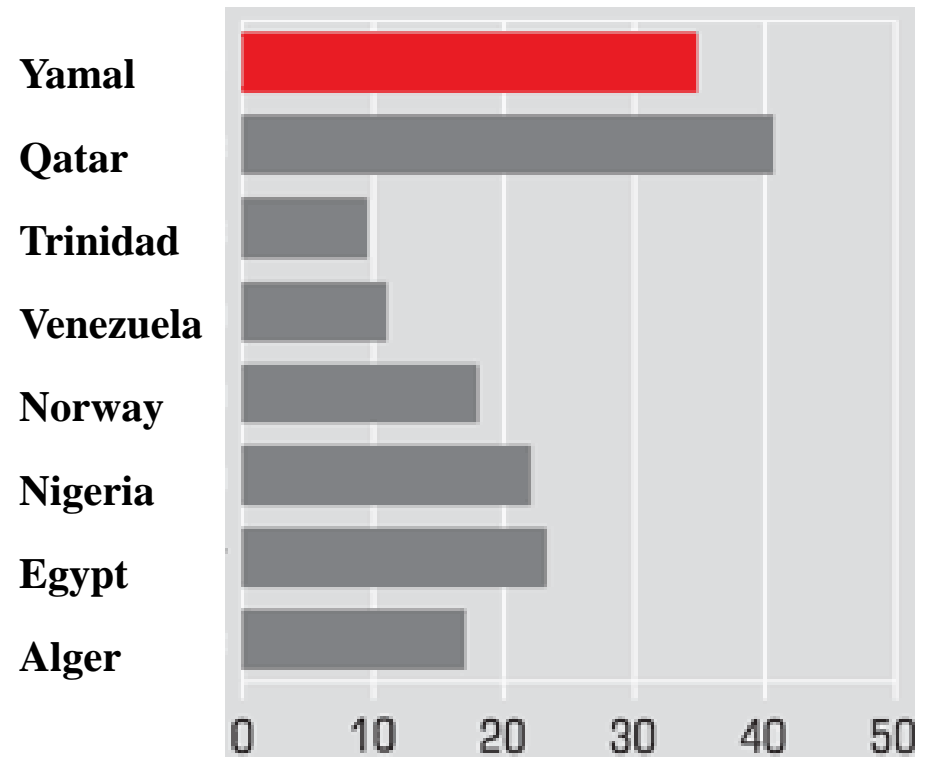


Competitiveness of Russian LNG Projects

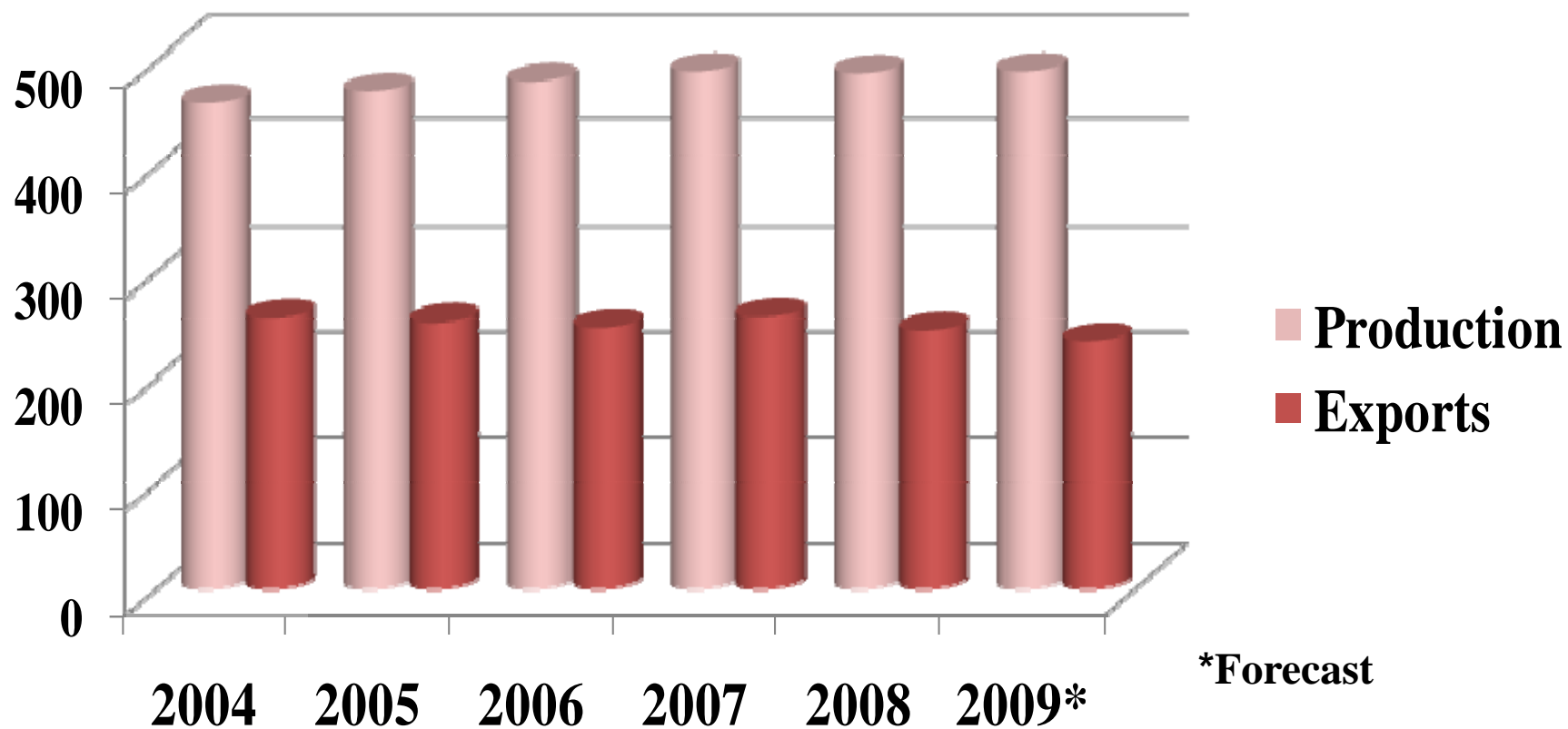
LNG Cost (short-term forecast),
\$/1000 cm



LNG Cost (including transportation costs
to US East Coast, \$ /1000 cm)

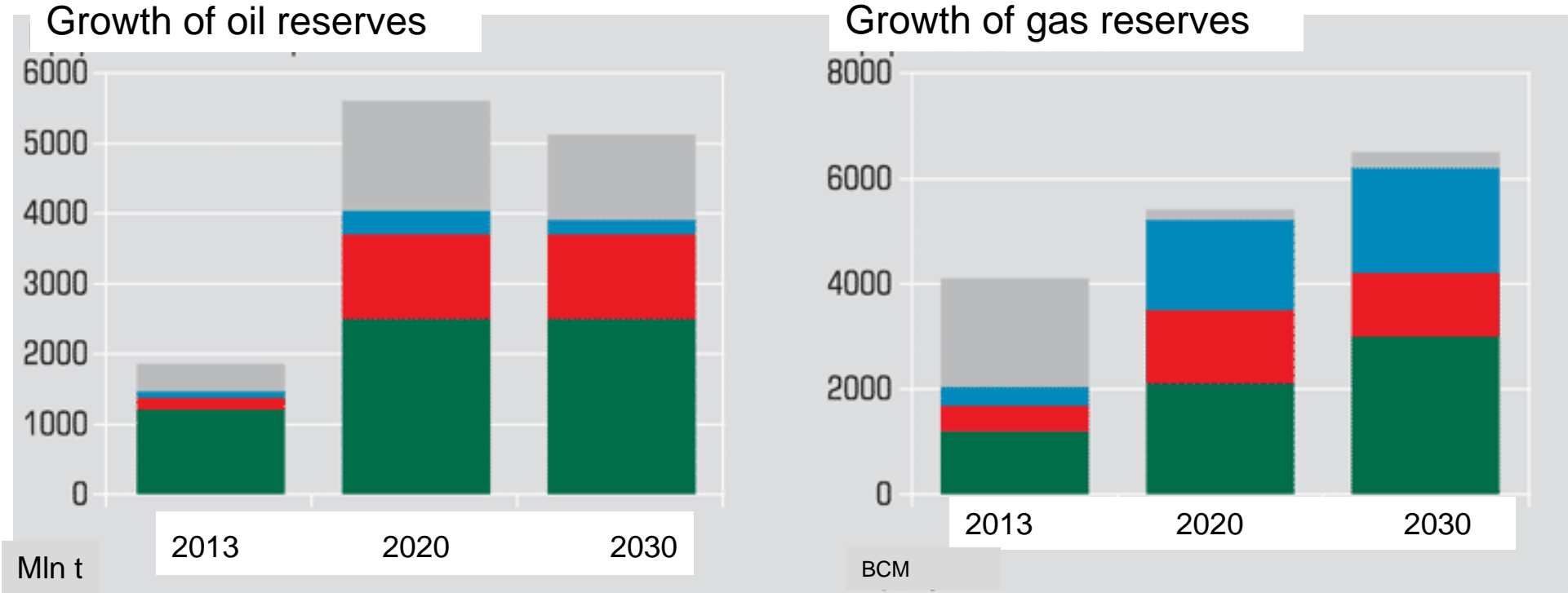


Russian Oil Production and Exports, mln t



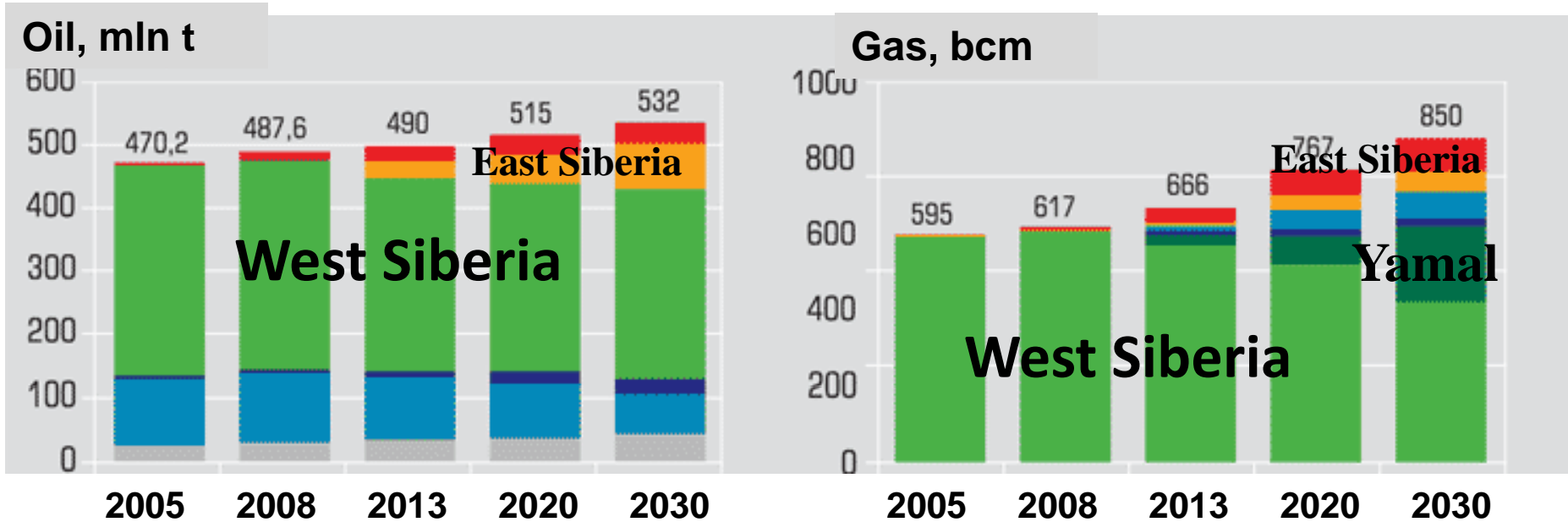
Rosstat, Ministry of Economic Development

New Russian Energy Strategy



- West Siberia**
- East Siberia**
- North and Offshore**
- Other**

Energy Strategy: New Fields Production



Energy Strategy of Russia to 2030

Energy Consumption Forecast in Russia till 2030

	2005	2008	1 stage (to 2013– 2014)	2 stage (to 2020– 2022)	3 stage (to 2030)
Oil, mln t	208	236	232–239	249–260	275–311
Gas, bcm	443	457	478–519	539–564	605–641
Coal, mln t oe	167	174	168–197	198–238	248–302
Total, Mln t oe	949	991	1008– 1107	1160– 1250	1375– 1565
Electricity, bln kWt h	941	1020	1041– 1218	1315– 1518	1740– 2164