

25th world gas conference

"Gas: Sustaining Future Global Growth"

GAS MARKET INTEGRATION: FOR A SUSTAINABLE GLOBAL GROWTH

By: Chairman of the Management Committee, Gazprom Alexey Miller



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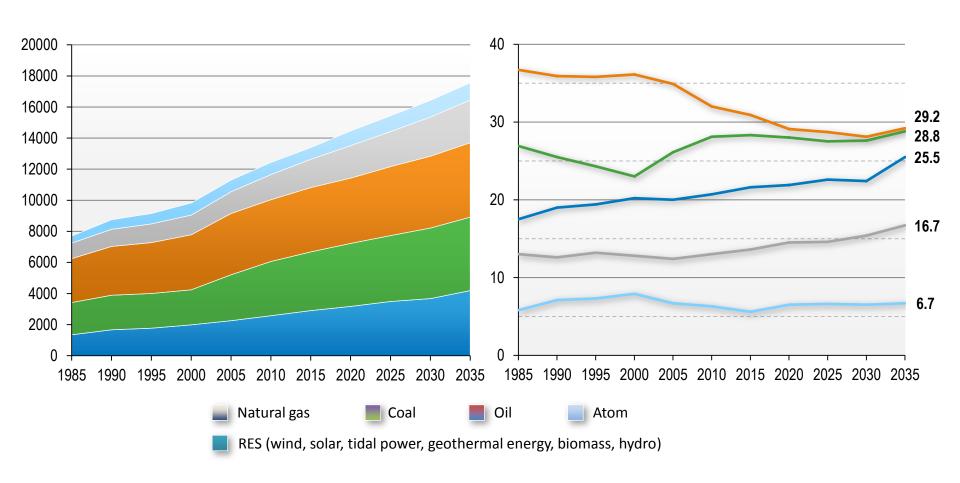


Growth dynamics and structure of energy consumption



Dynamics of world energy consumption, million TOE.

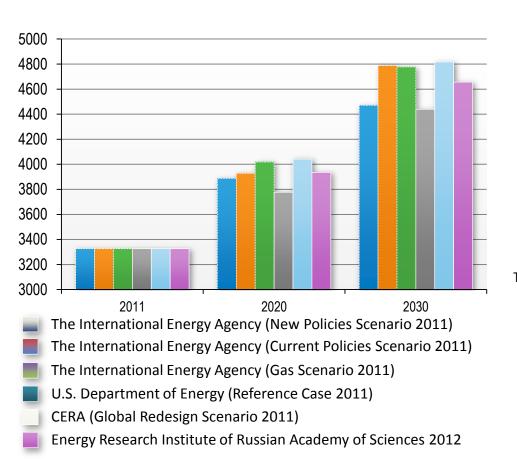
Structure of world energy consumption, %



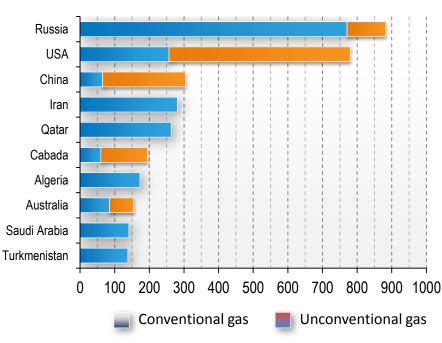




Forecasts of global gas demand, billion cubic meters



Forecast of gas production by 2035, billion cubic meters

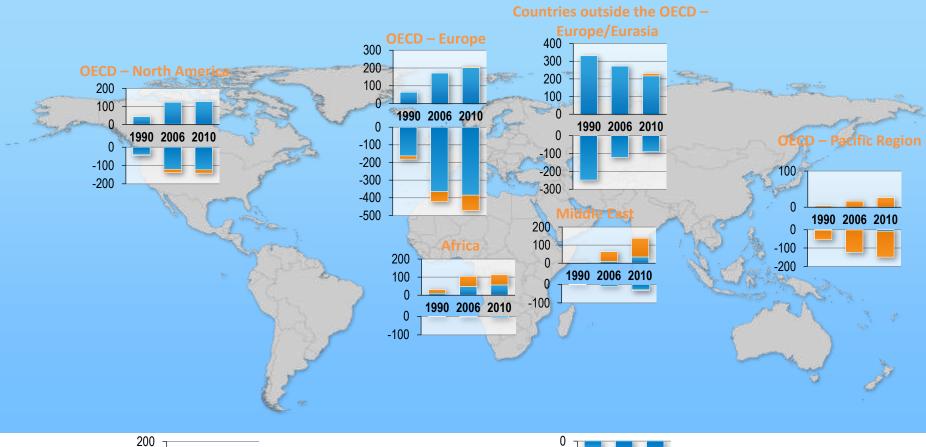


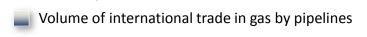
The development of global trade in natural gas

Export, billion cubic meters









100



Import, billion cubic meters

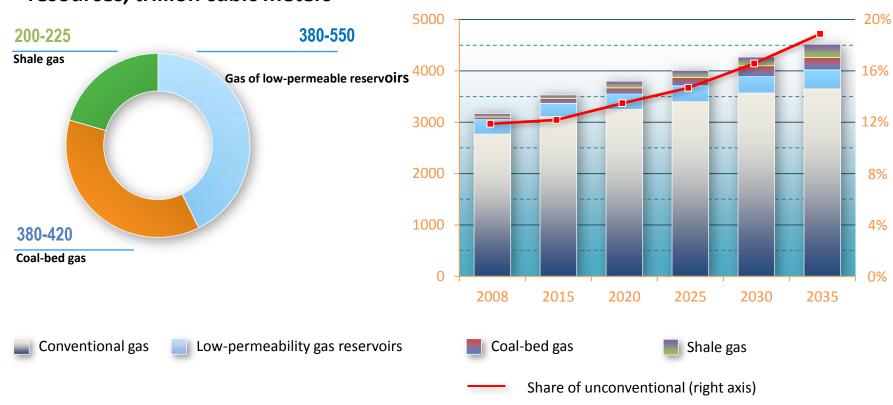
Volume of international trade in LNG

IEA data, Petroleum Economist



Alternative sources of natural gas

Global structure of unconventional gas Global gas production by types, billion cubic meters resources, trillion cubic meters

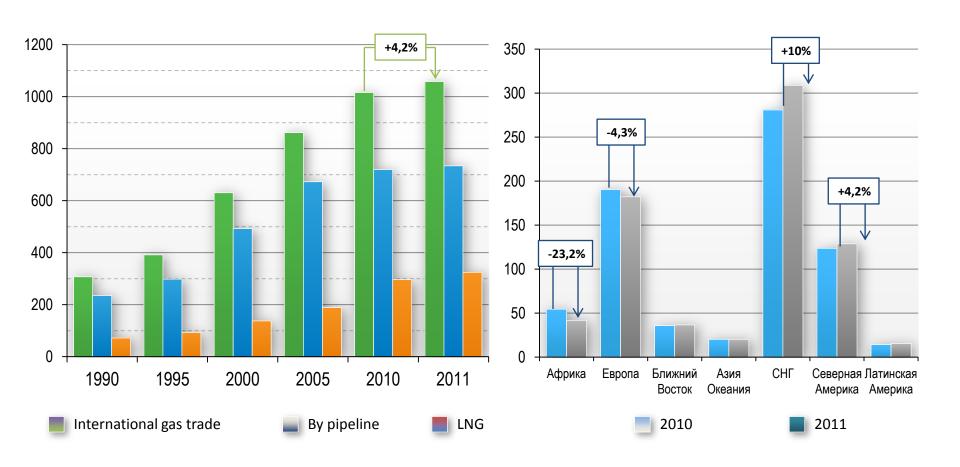




International gas trade from 2010 to 2011

Dynamics of international gas trade, billion cubic meters

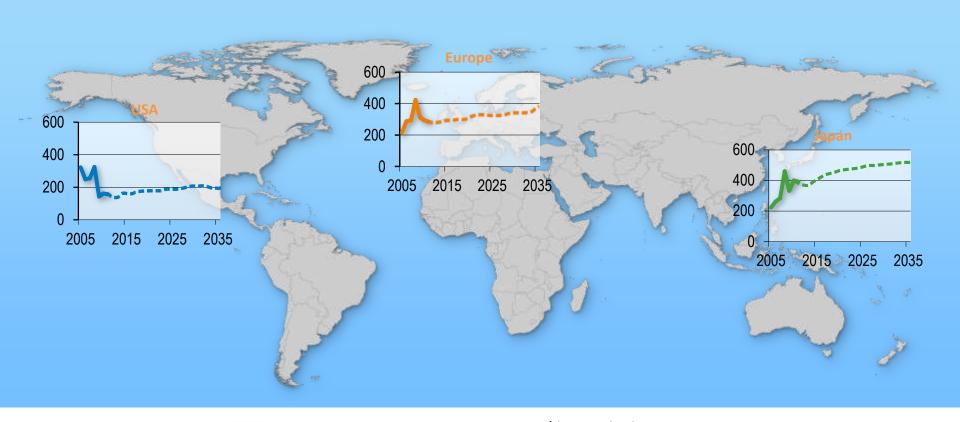
World exports by regions of the world, billion cubic meters











Average import gas price in Europe, USD/thousand cubic meters Spot gas price in the U.S. (Henry Hub), USD/thousand cubic meters Import gas price in Japan, USD/thousand cubic meters Perspective projects



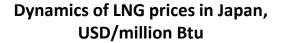


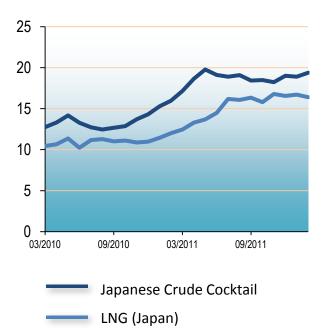
09/2011

03/2012

Dynamics of oil and gas prices in

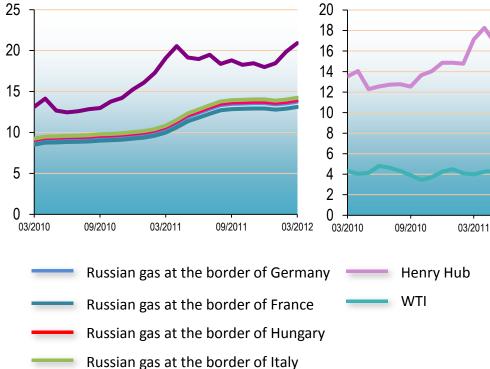
the U.S. (USD/million Btu)





Dynamics of oil and gas prices in Europe, USD/million Btu

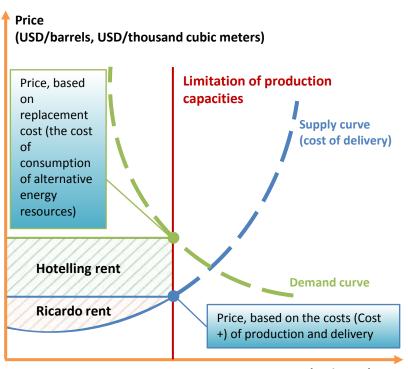
Brent





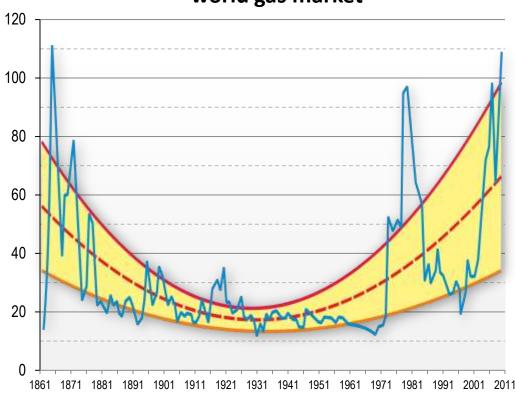


Hotelling rent



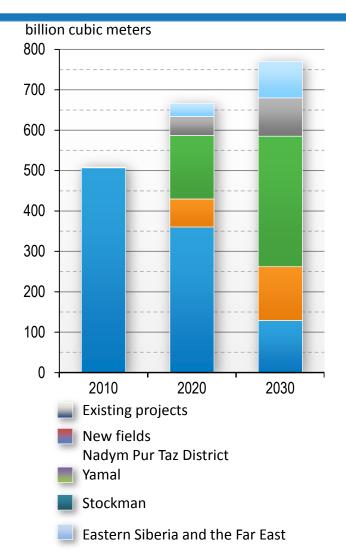
Production volume (million barrels/day, million cubic meters/year)

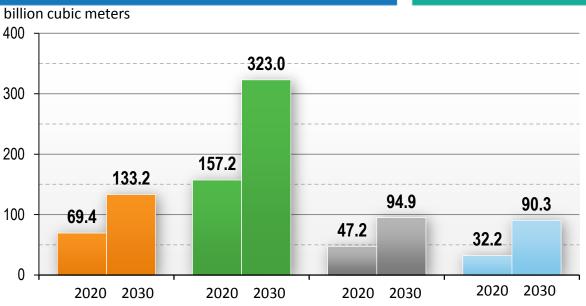
Dynamics of price integration of the world gas market











Commissioning of the Yamal Peninsula fields and the shelf

| Expected production, billion cubic meters/year | |
|--|----------------------|
| 2015 | 2030 |
| 116 | 310-360 (land+shelf) |





Nord Stream gas pipeline

швеция жельсинки. НОРВЕГИЯ стокгольм. Свист-Петербург Teredope остония РОССИЯ KOREHFAFEH RNBTAR ABTNIL вильнюс БЕЛАРУСЬ Салининград. минск польша БЕРПИН Senoctor ГЕРМАНИЯ

Capacity: 55 billion cubic meters/year

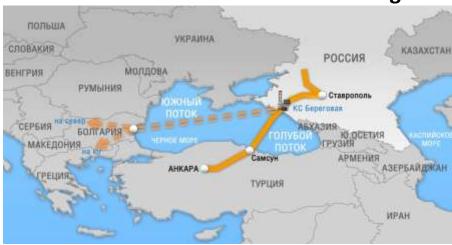
2015

2020

2025

Gas balance in Europe,

South Stream and Blue Stream gas

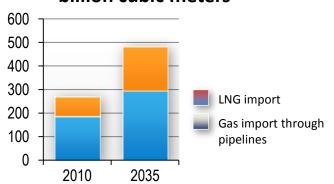


Capacity: 63 billion cubic meters/year (South Stream)

800 billion cubic meters Imports from the Middle East 700 600 Imports from Africa 500 Imports from the CIS 400 Imports from Latin America 300 Imports from North America 200 Gas production in other EU countries 100 Gas production in Norway 0

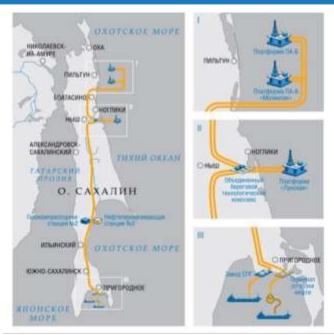
2030

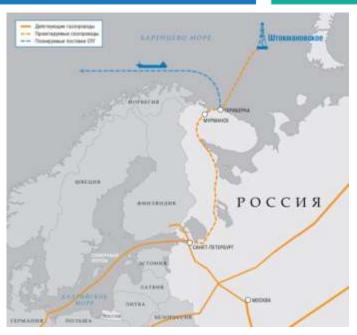
Europe's inter-regional gas trade, billion cubic meters



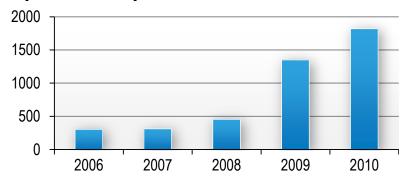








Volumes of Gazprom Group's transactions with LNG, thousand tons

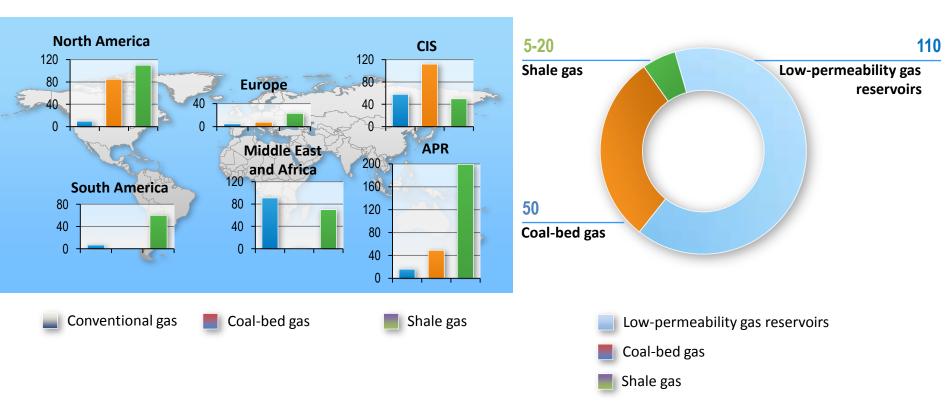


The strategy of relying on conventional natural gas resources



Distribution of conventional and unconventional gas by regions in the world, trillion cubic meters

The structure of Russia's unconventional gas resources, trillion cubic meters



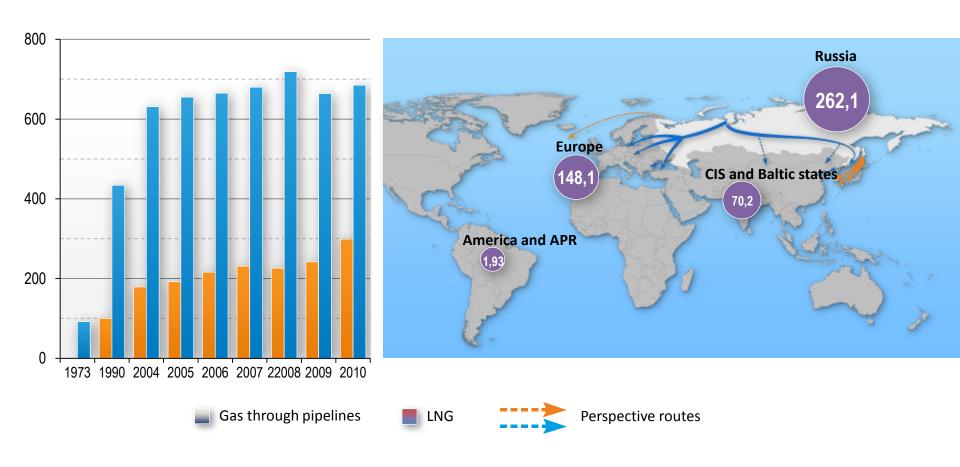
Expert assessment by Gazprom VNIIGAZ





Ratio of supply volumes of pipeline gas and LNG, billion cubic meters

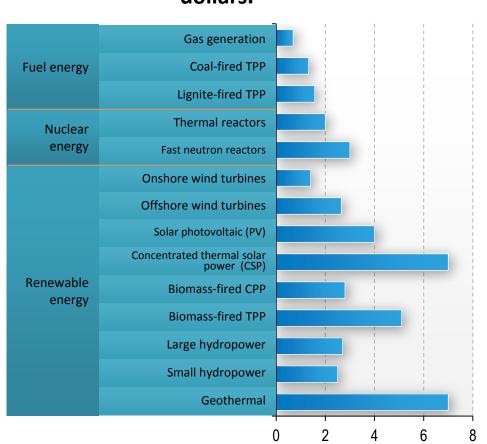
Global gas supplies, billion cubic meters



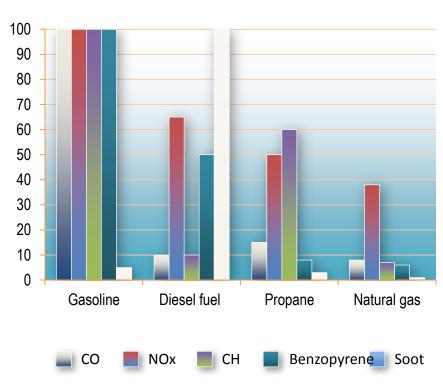
Natural gas – an environmentally and technologically optimal solution



Cost of building 1 kW of electric power of various types of power plants, thousand dollars.



Relative content of toxic components in exhaust gases of motor vehicles





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Thank you for your attention!



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