

## GAZPROM'S GLOBAL DRIVE ON CLEAN ENERGY BRINGS BRIGHT OUTCOMES

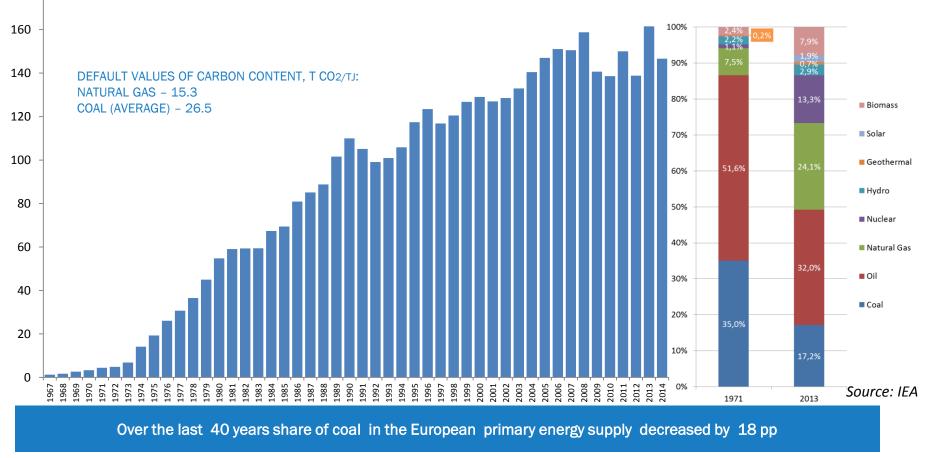
### ALEXANDER MEDVEDEV

Deputy Chairman of Gazprom's Management Committee

## GAZPROM AS THE MAJOR SUPPLIER OF GAS TO EUROPE CONTRIBUTED TO CLEAN ENERGY TRANSITION



- Near 50 years of impeccable operating track record\*
- <sup>180</sup> <u>Substitution of coal by Russia gas decreased CO2 emissions by 1.7 billion tones</u>

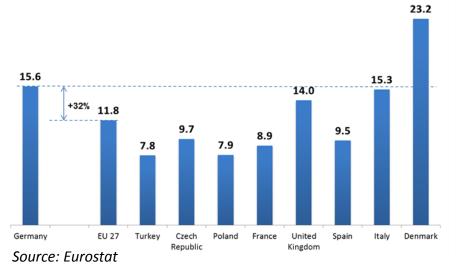


\* Total gas sales in foreign markets excluding FSU



## RENEWABLES FOLLOWED NATURAL GAS AS MAJOR DRIVER TO CLEAN ENERGY IN EUROPE

- However transition costs are high:
- In Germany electricity prices for households are among the highest in Europe 45% higher compared to EU 27 average price
- Prices for industrial users are higher by 32% compared to EU 27 average price



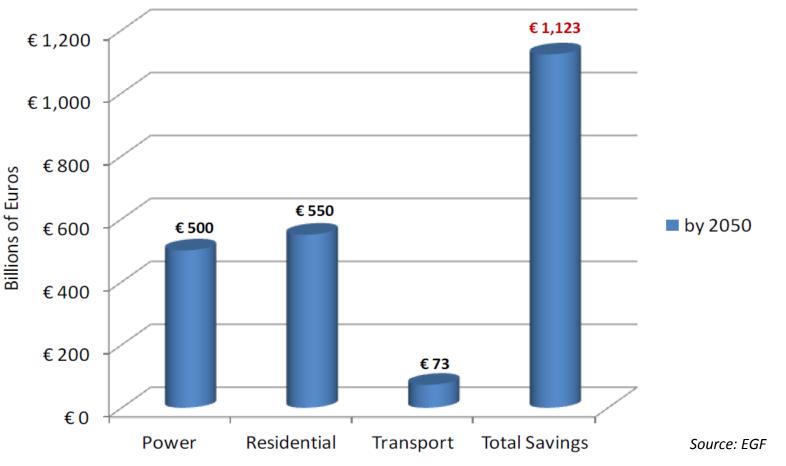
Industrial Consumers Prices in the first HY 2014, €/kWh\*

30.4 29.8 24.5 +45% 22.5 20.5 19.2 15.9 14.2 12.8 11.9 Germany EU 27 Turkey Czech Poland France United Spain Italy Denmark Republic Kingdom

#### Private Households Prices in the first HY 2014, €/kWh\*

### NATURAL GAS STILL CAN CONTRIBUTE TO ACHIEVING CO2 EMISSIONS REDUCTION TARGETS AT THE LOWEST COST





According to the research of European Gas Forum, cumulative savings from using gas to achieve EU emissions reductions goals: €1.1 trillion by 2050 compared to the

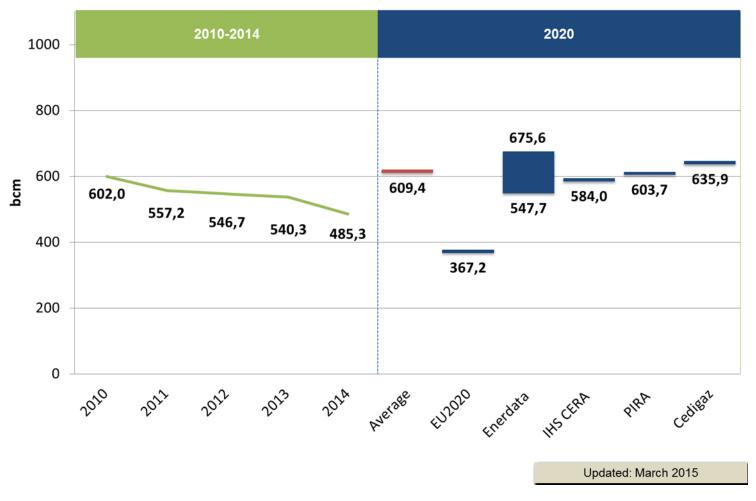
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# FORECASTS IMPLICITLY ADMIT GROWING ROLE OF GAS IN THE EUROPEAN CLEAN ENERGY MIX



Consensus forecast indicates that Europe will still rely heavily on gas

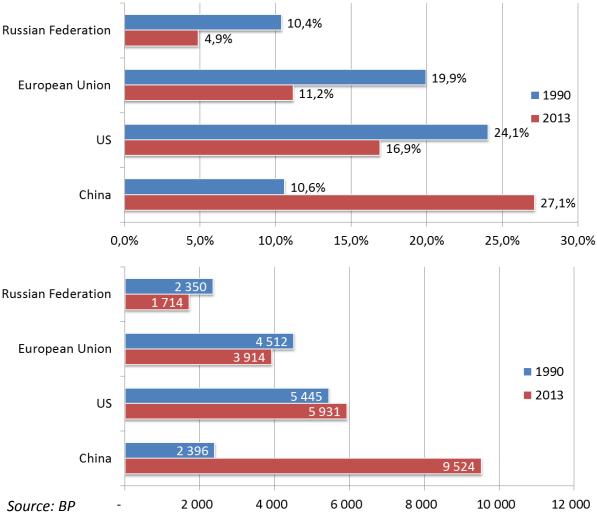
### **Europe Consumption Consensus Forecasts**



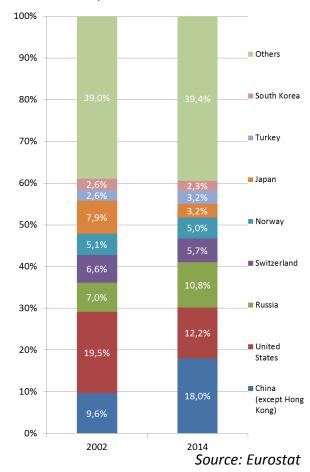
## CO2 EMISSIONS REDUCTION IN EUROPE WAS OFFSET BY MANUFACTURING GROWTH IN CHINA – NEW CHALLENGE FOR GAZPROM



### WORLD CO2 EMISSIONS BY COUNTRY, % AND MLN TONNES



### EU 27 IMPORTS STRUCTURE BY COUNTRY, %



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## CHINESE DEMAND COULD BE MET BY RUSSIAN GAS

