

GLOBAL AND RUSSIAN ENERGY OUTLOOK UNTIL 2035

European Focus

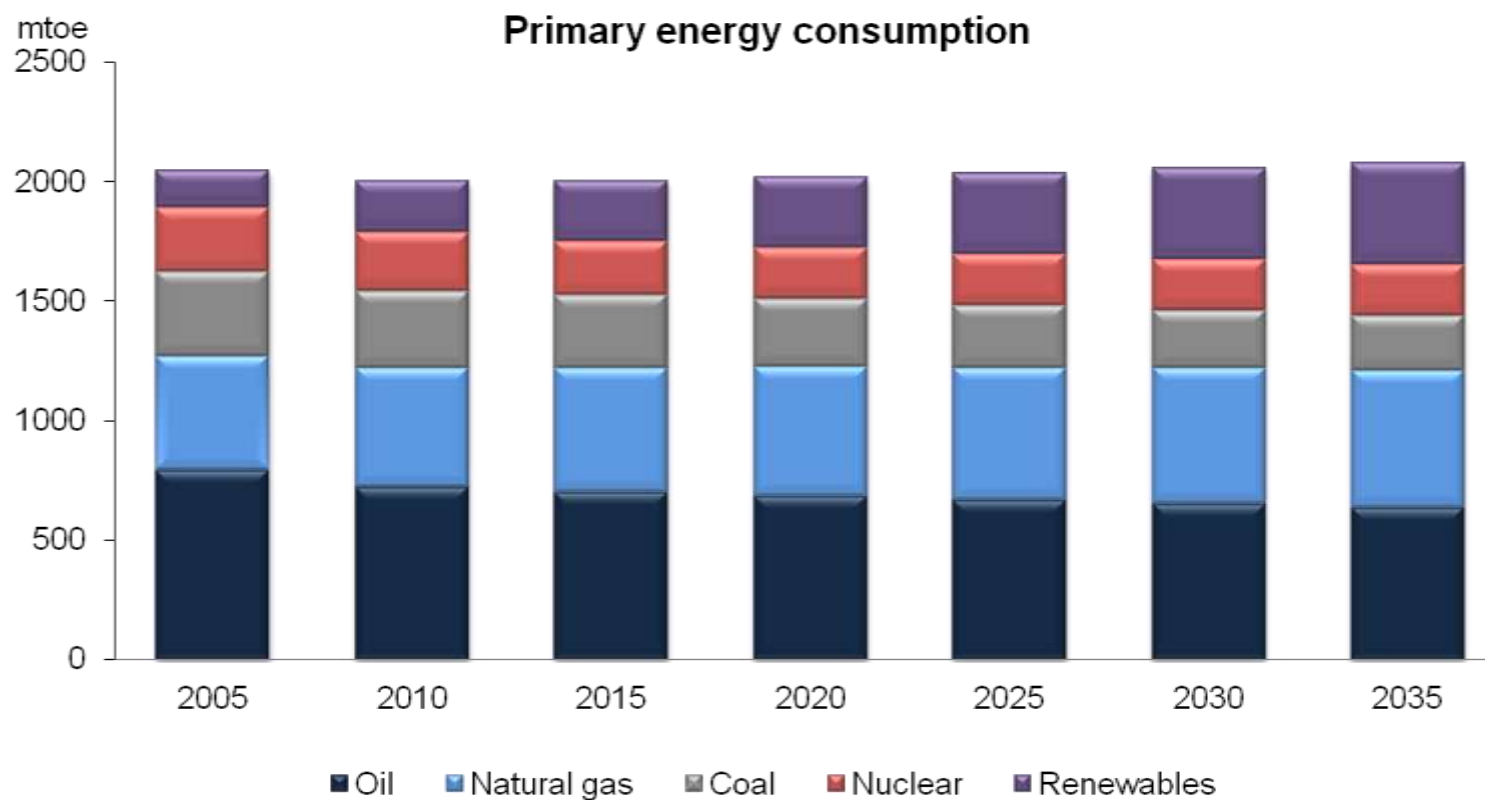


Brussels, 3 June, 2012



Российское
Энергетическое
Агентство

Europe



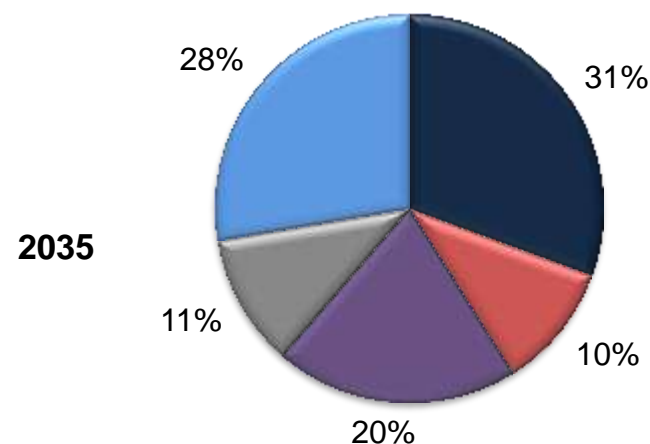
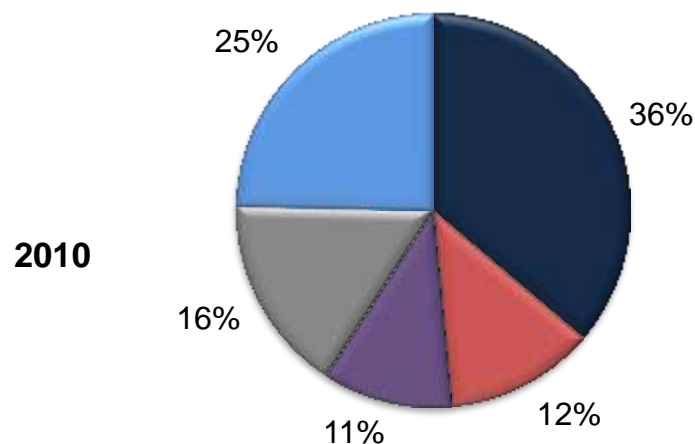
Primary energy consumption, mtoe

	2005	2010	2015	2020	2025	2030	2035
Oil	792	727	704	686	668	653	637
Nuclear	266	246	224	214	214	217	219
Renewables	158	214	256	297	339	380	422
Coal	354	325	307	287	262	243	229
Natural gas	480	494	518	541	557	569	576

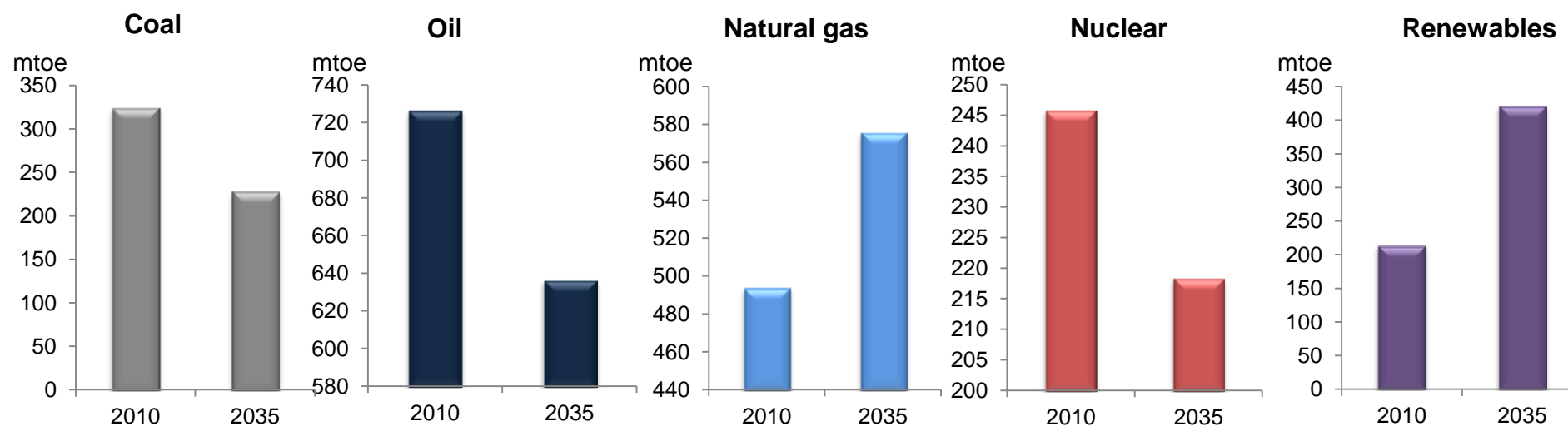


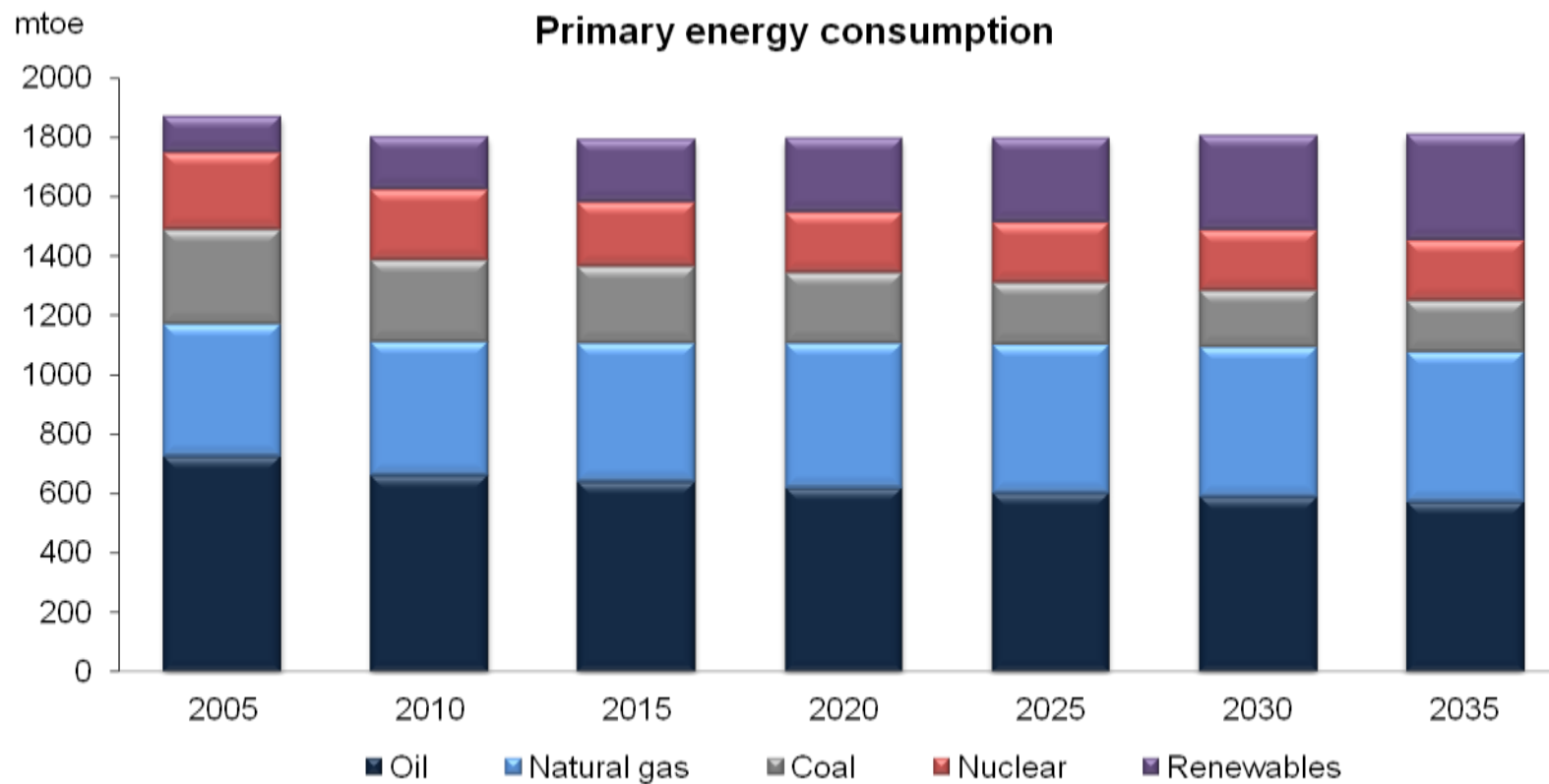
Europe

Shares of fuels in primary energy consumption



Consumption of energy in 2035 compared to 2010



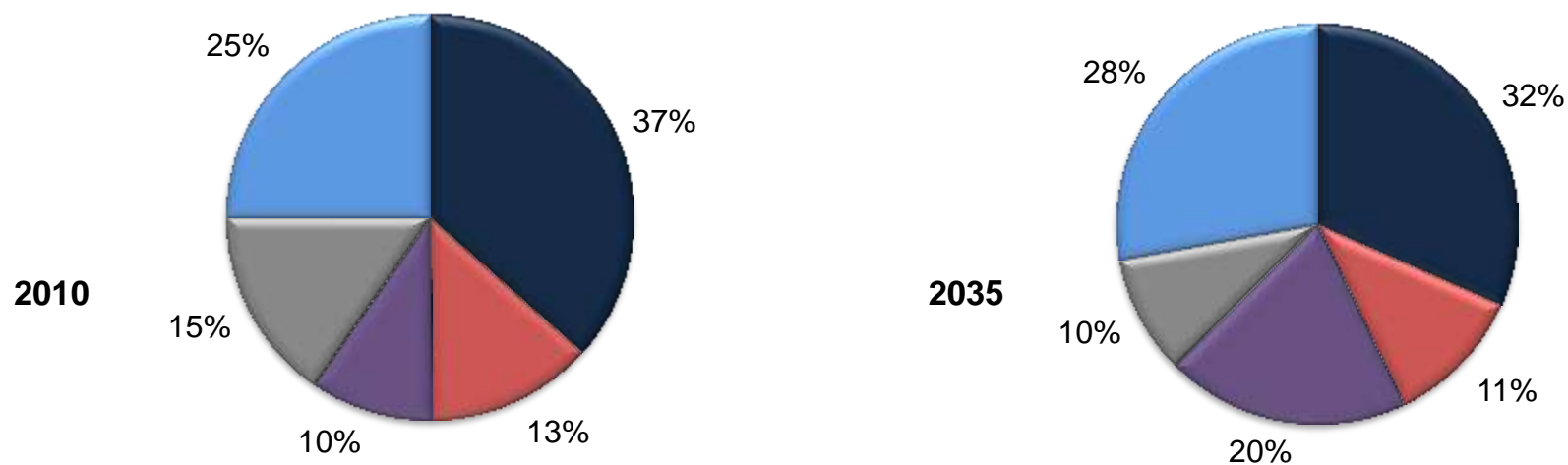


Primary energy consumption, mtoe

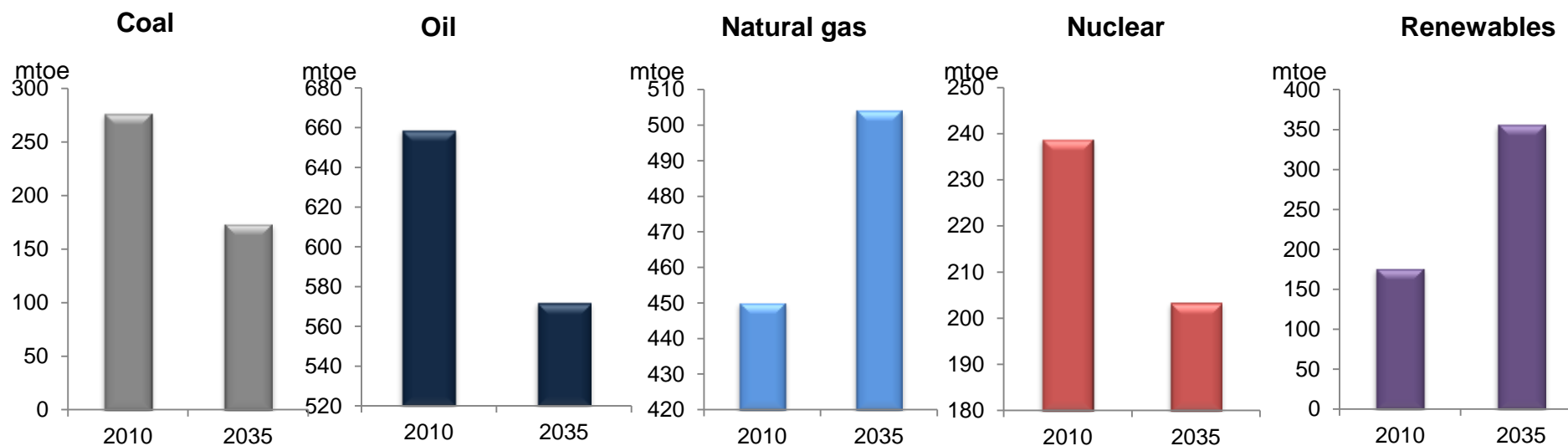
	2005	2010	2015	2020	2025	2030	2035
Oil	724	659	637	619	603	587	572
Nuclear	260	239	217	204	204	204	204
Renewables	123	177	213	248	284	320	356
Coal	317	277	258	236	211	191	174
Natural gas	446	450	469	487	497	504	504



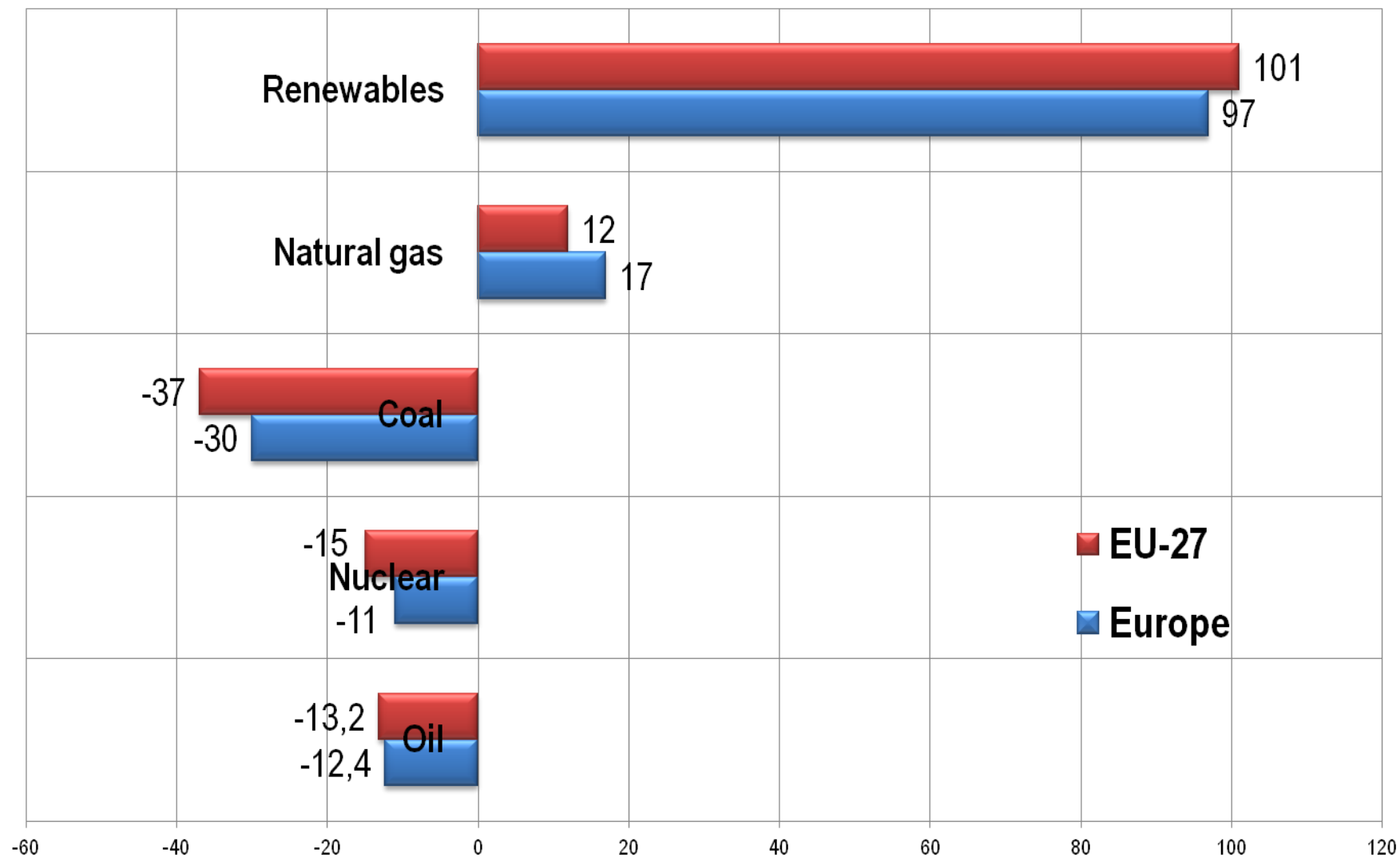
Shares of fuels in primary energy consumption



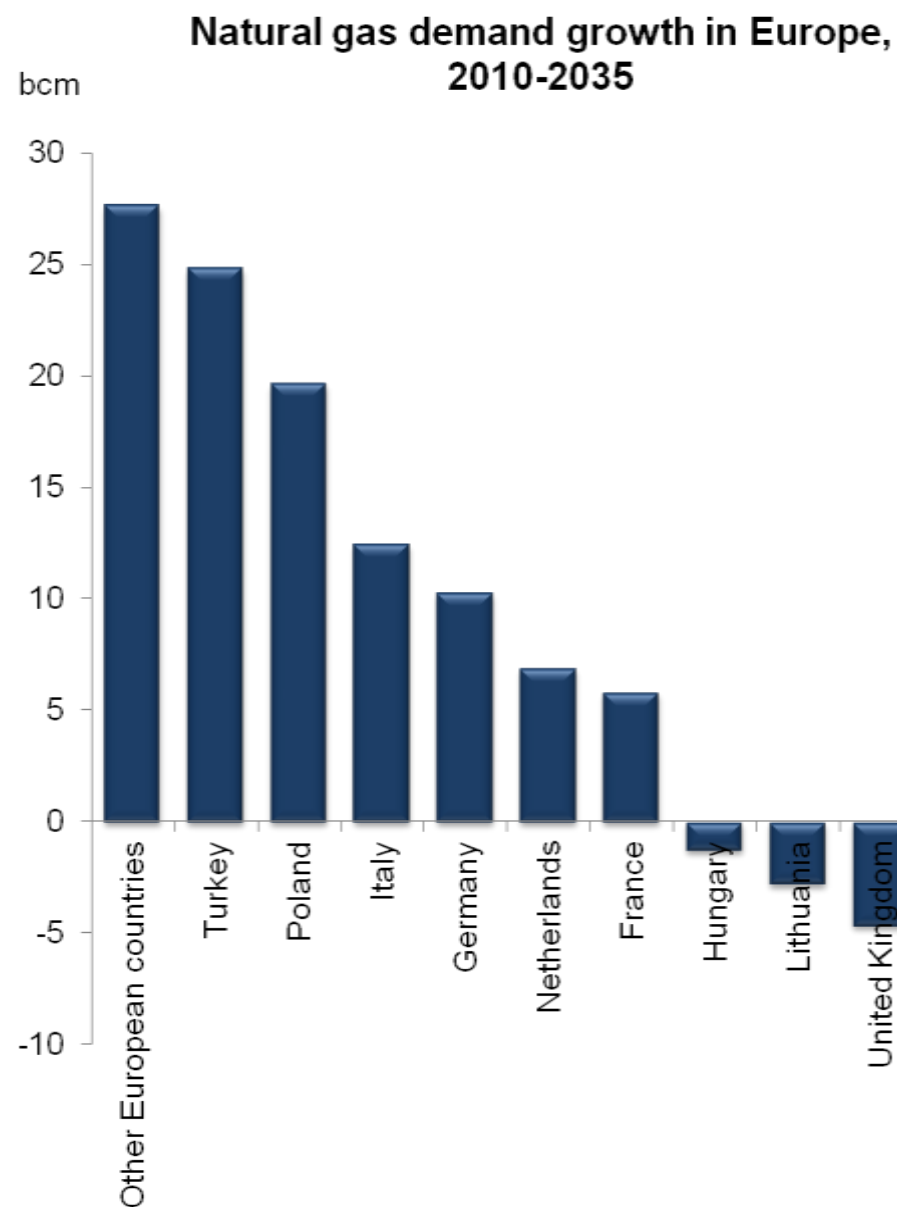
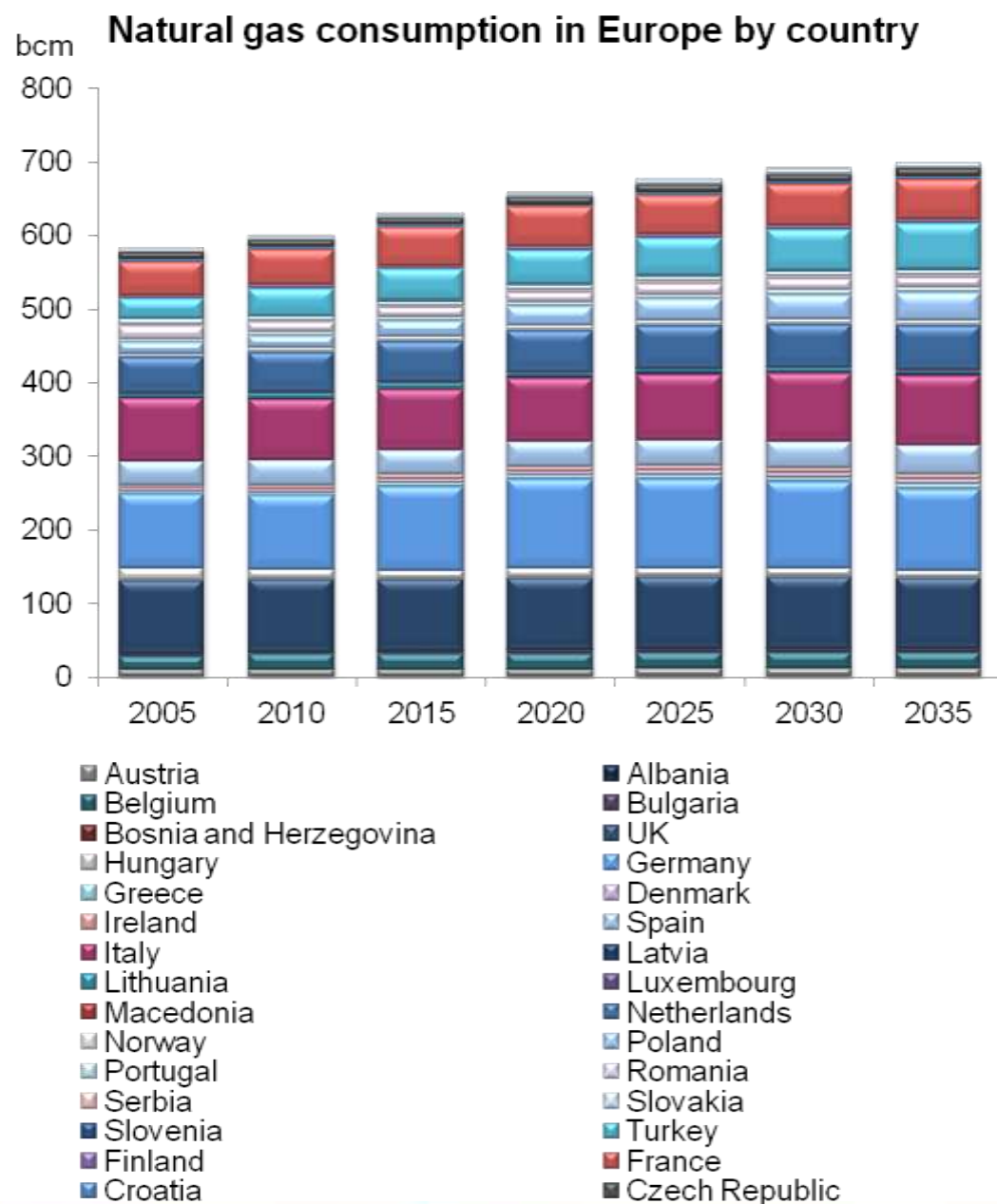
Consumption of energy in 2035 compared to 2010



Fuel consumption by 2035 compared with 2010 level (%)

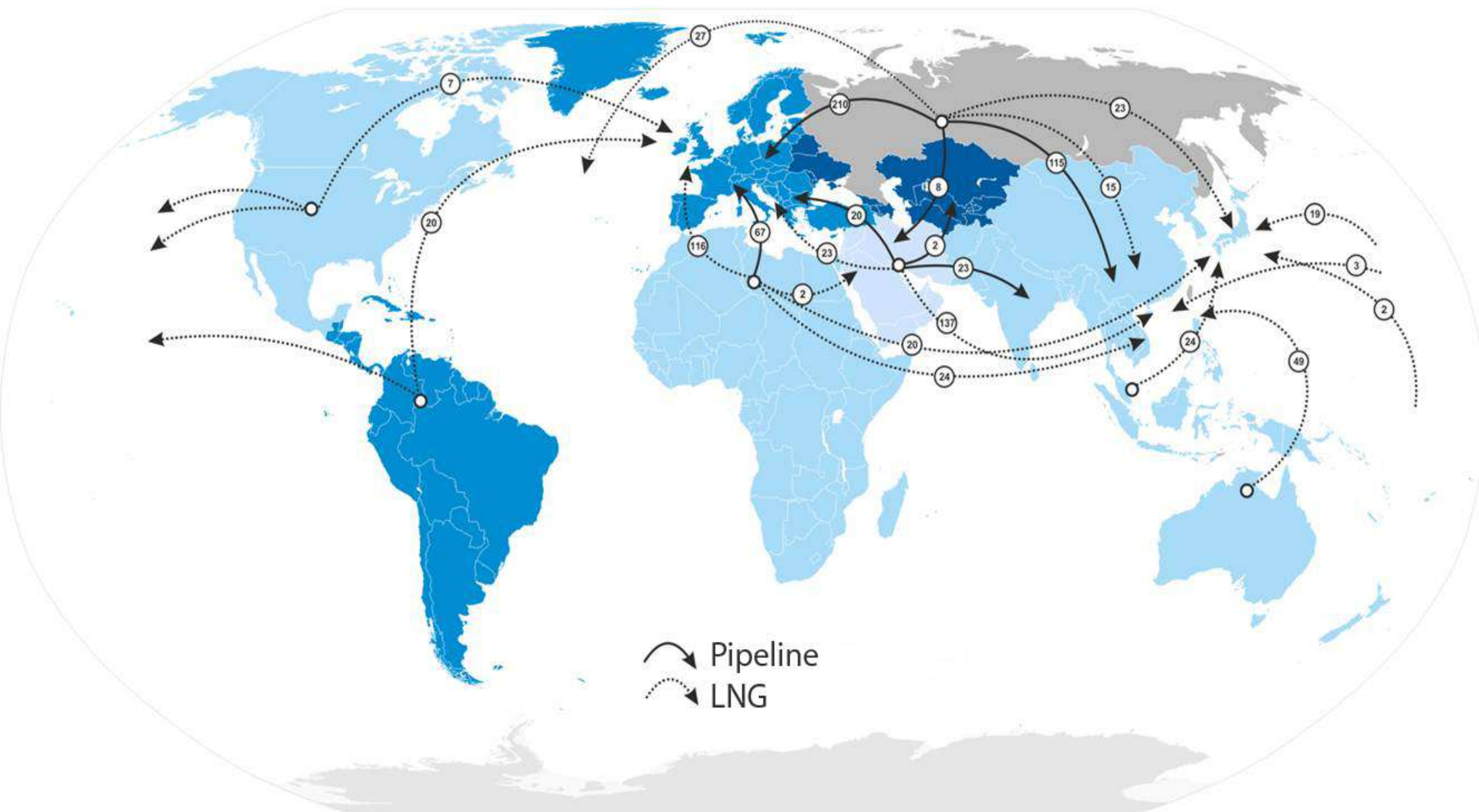


Gas consumption in Europe grows at modest rates (0.7% per year)



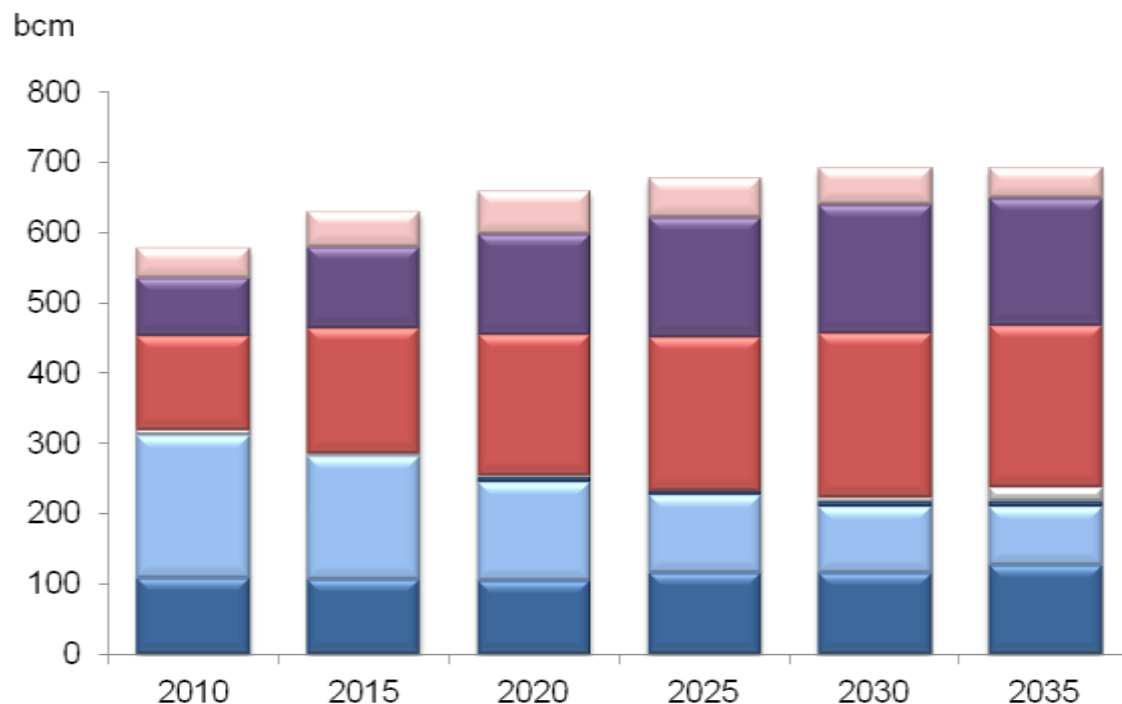
Europe will remain the main importer of gas

Interregional natural gas trade in 2035, bcm



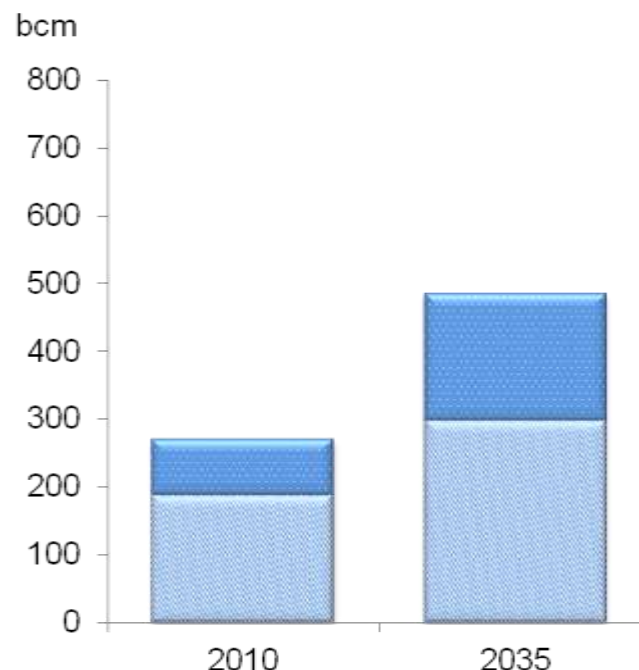
One-third of gas consumption in Europe will be provided by LNG imports

European natural gas balance



- Gas production in Norway
- Gas production in other European countries
- Imports from North America
- Imports from Latin America
- Imports from CIS
- Imports from Africa
- Imports from Middle East

European interregional gas trade

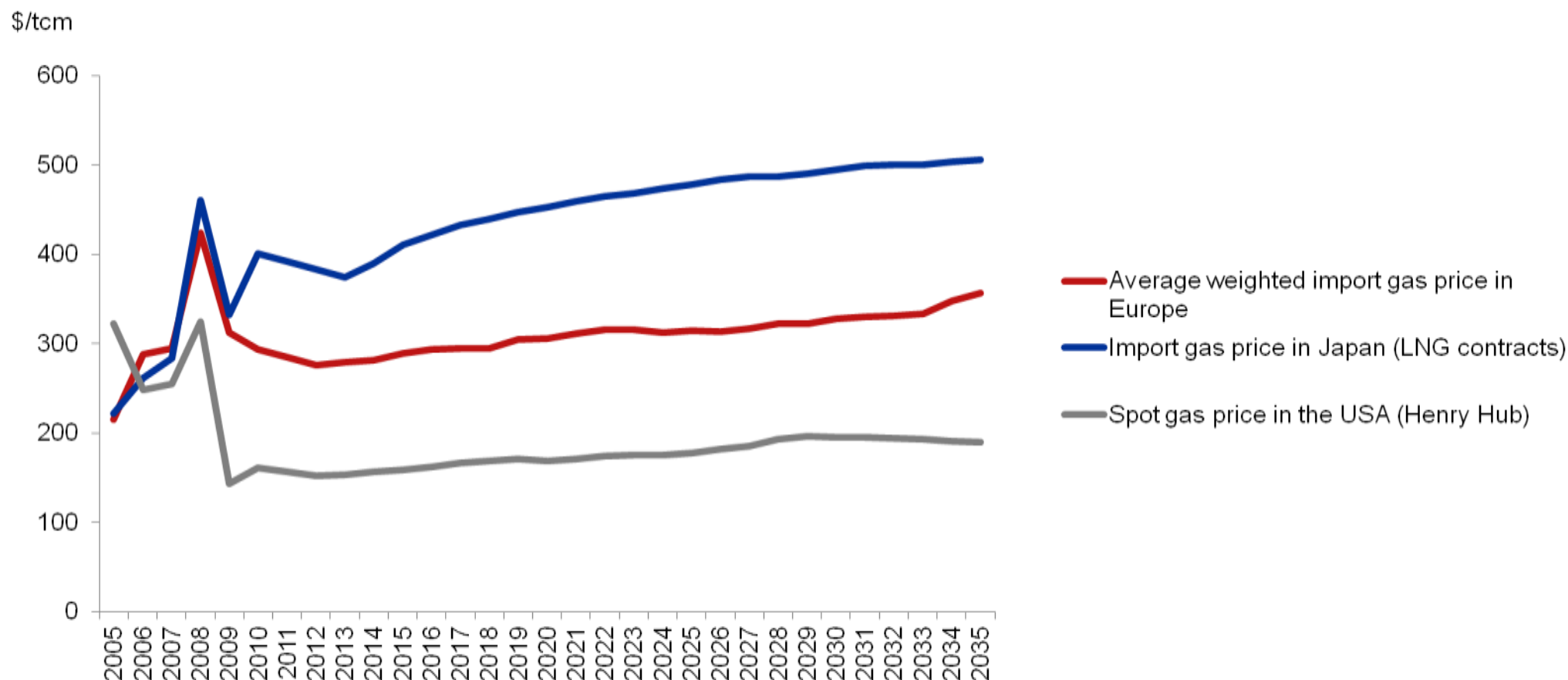


- Pipeline imports
- LNG imports



Gas prices

Gas prices in the USA, Europe and Japan

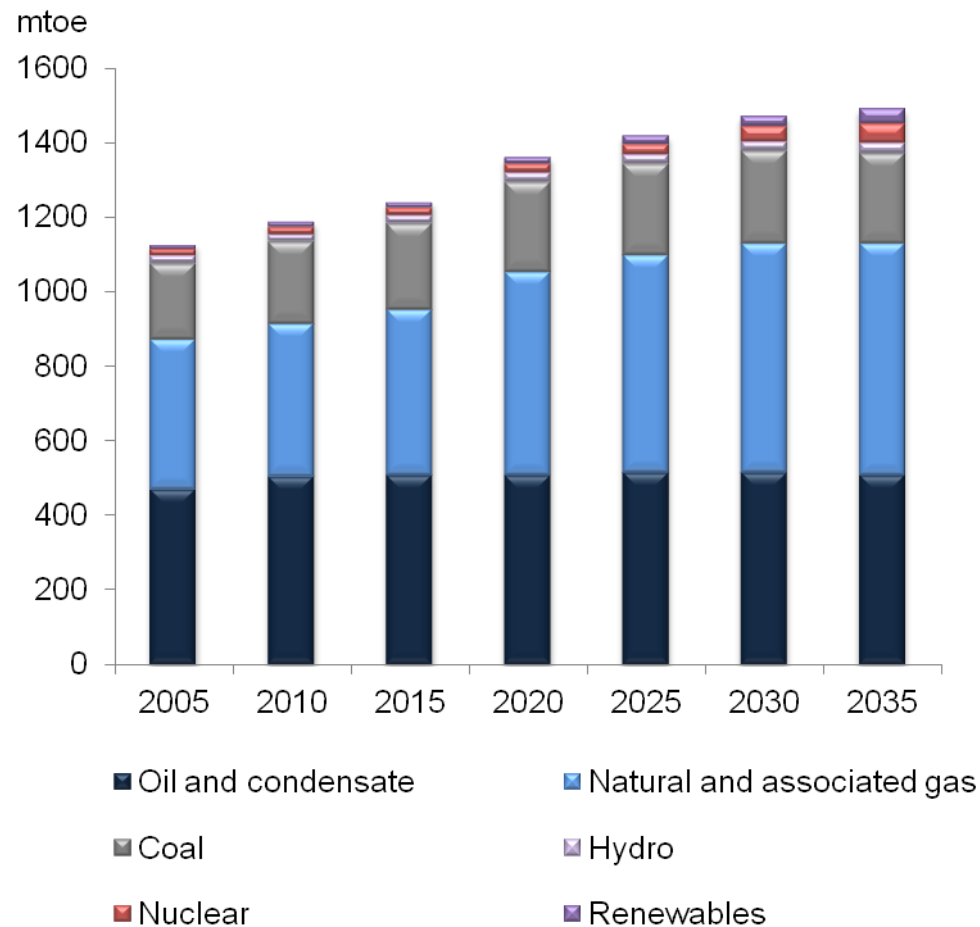


Due to high transportation costs, a significant gap price will remain in the gas prices of the particular regional markets

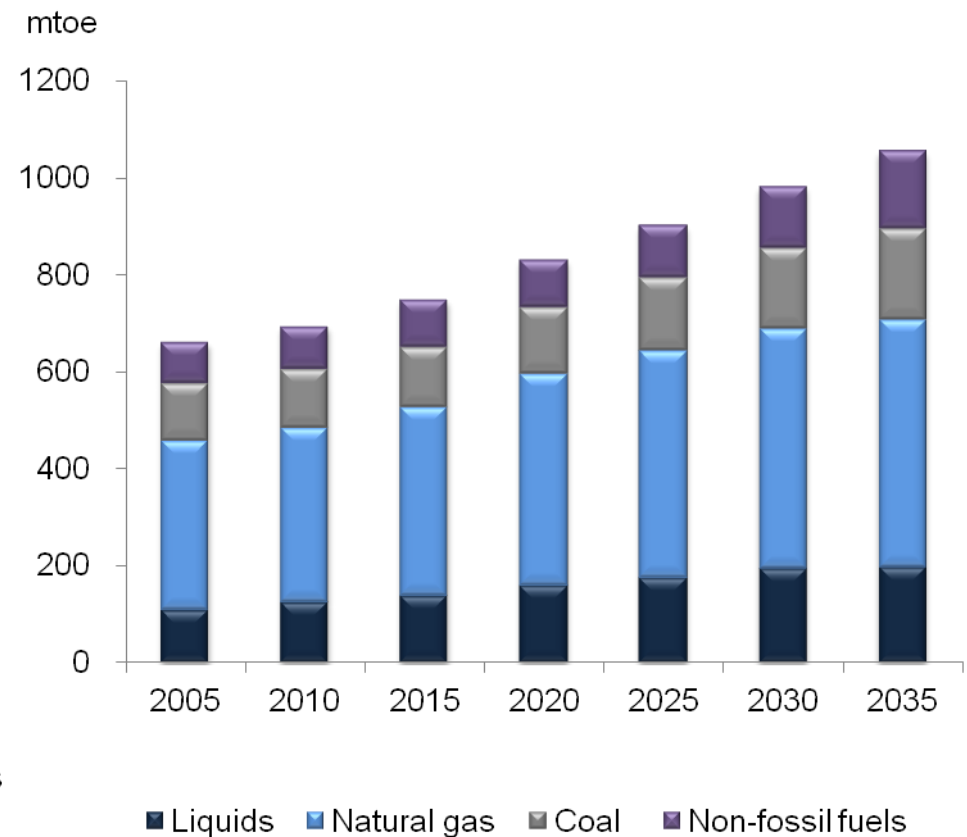


In Russia natural gas will retain its dominant position in the structure of energy production and consumption, while the role of non-fossil fuels will increase

Energy resources production in Russia

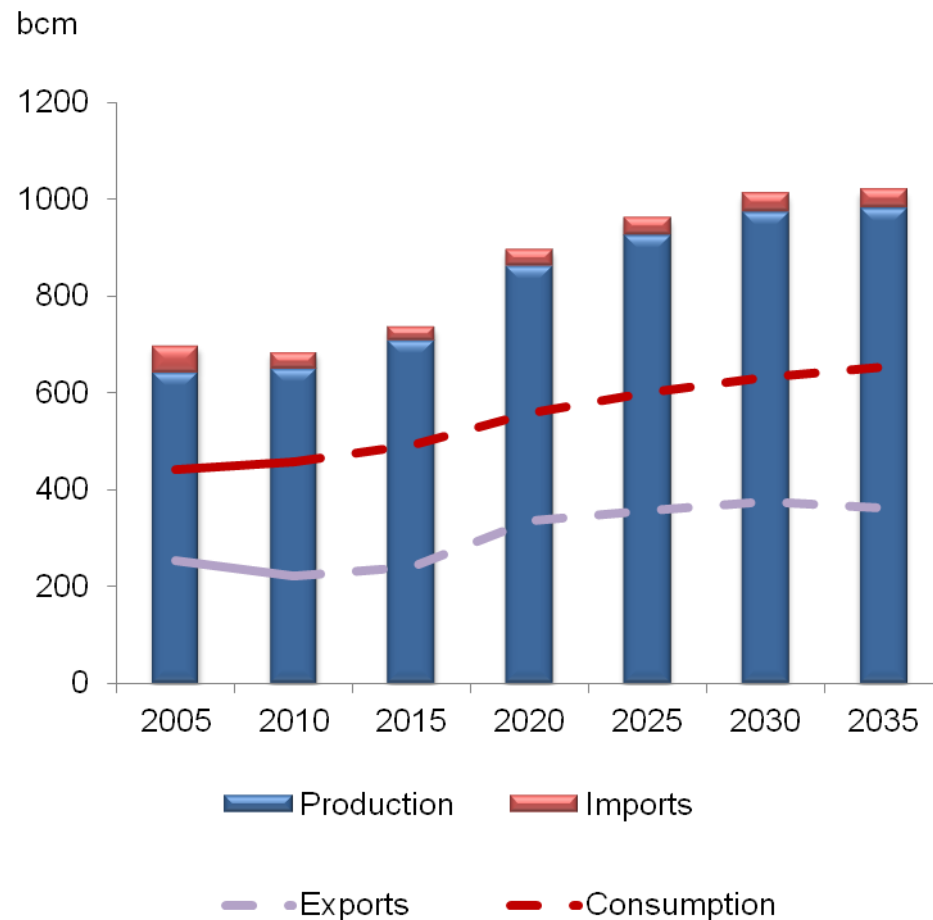


Energy resources consumption in Russia

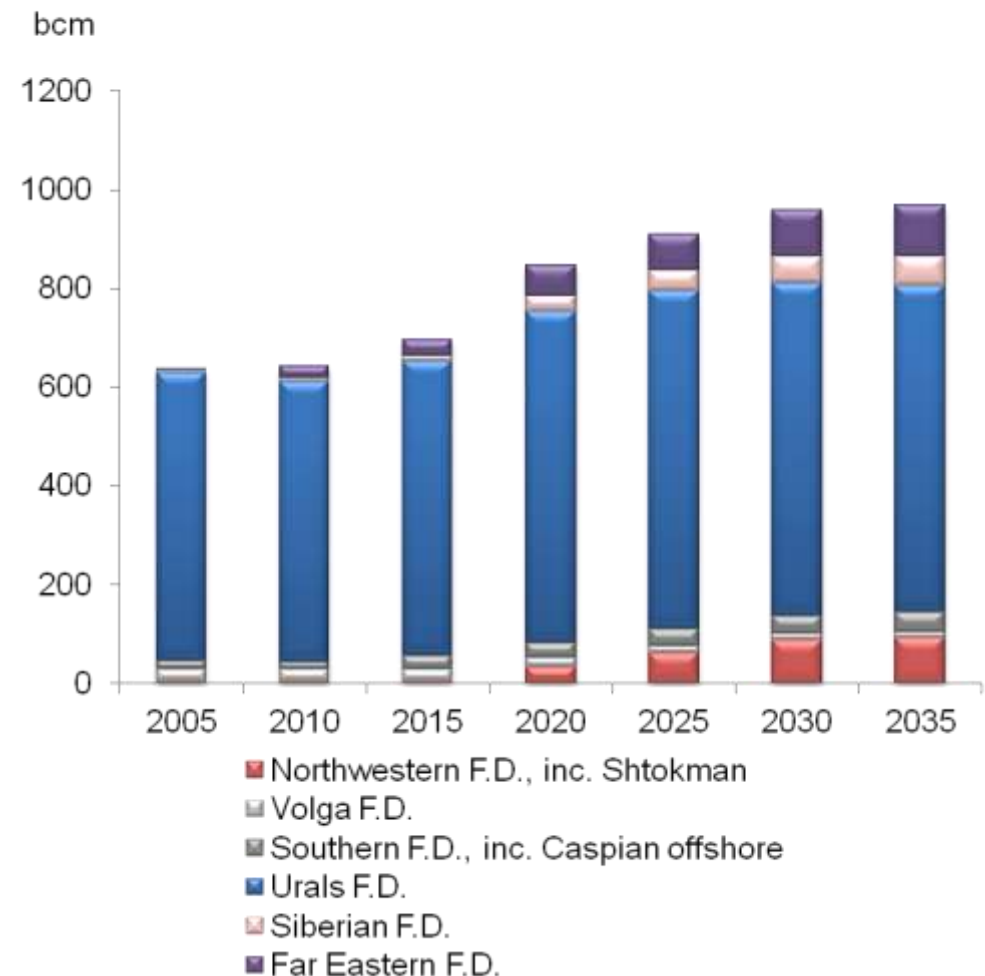


Russian gas production will increase due to the new field development in Eastern Siberia and Far East, as well as Shtokman

Russian natural and associated gas balance

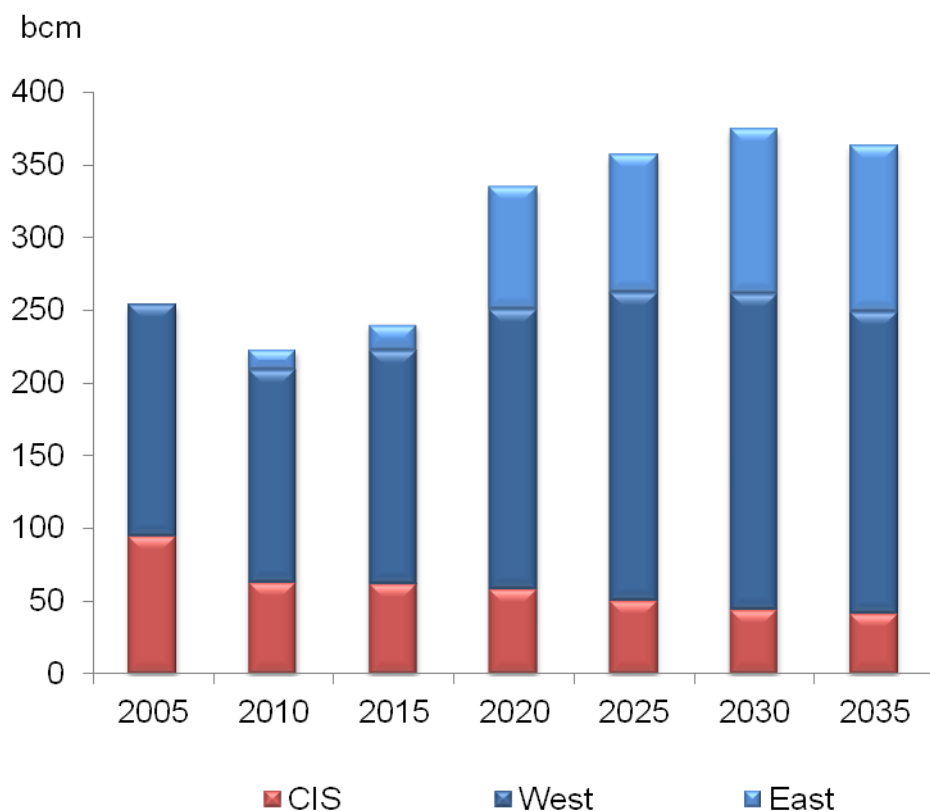


Russian natural gas production by region

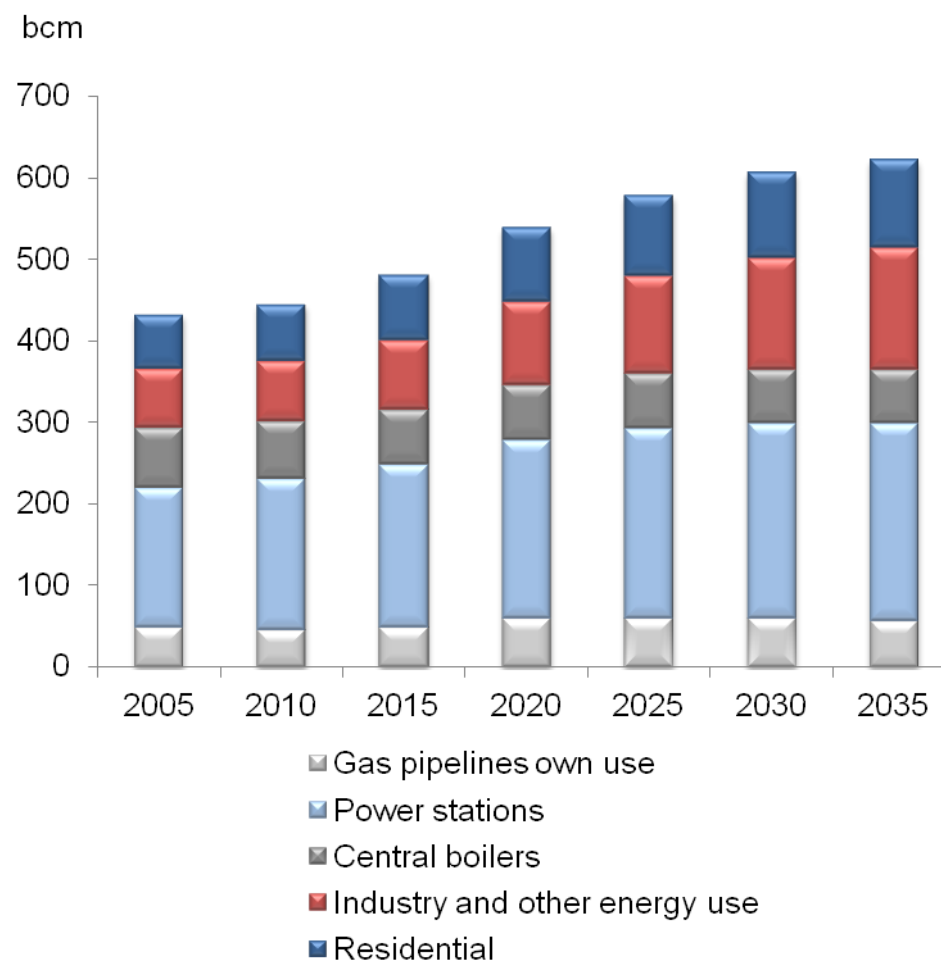


Russian gas will mainly go to the domestic market, where the demand is growing in all sectors, while the largest increase in gas exports will be to the Eastern direction

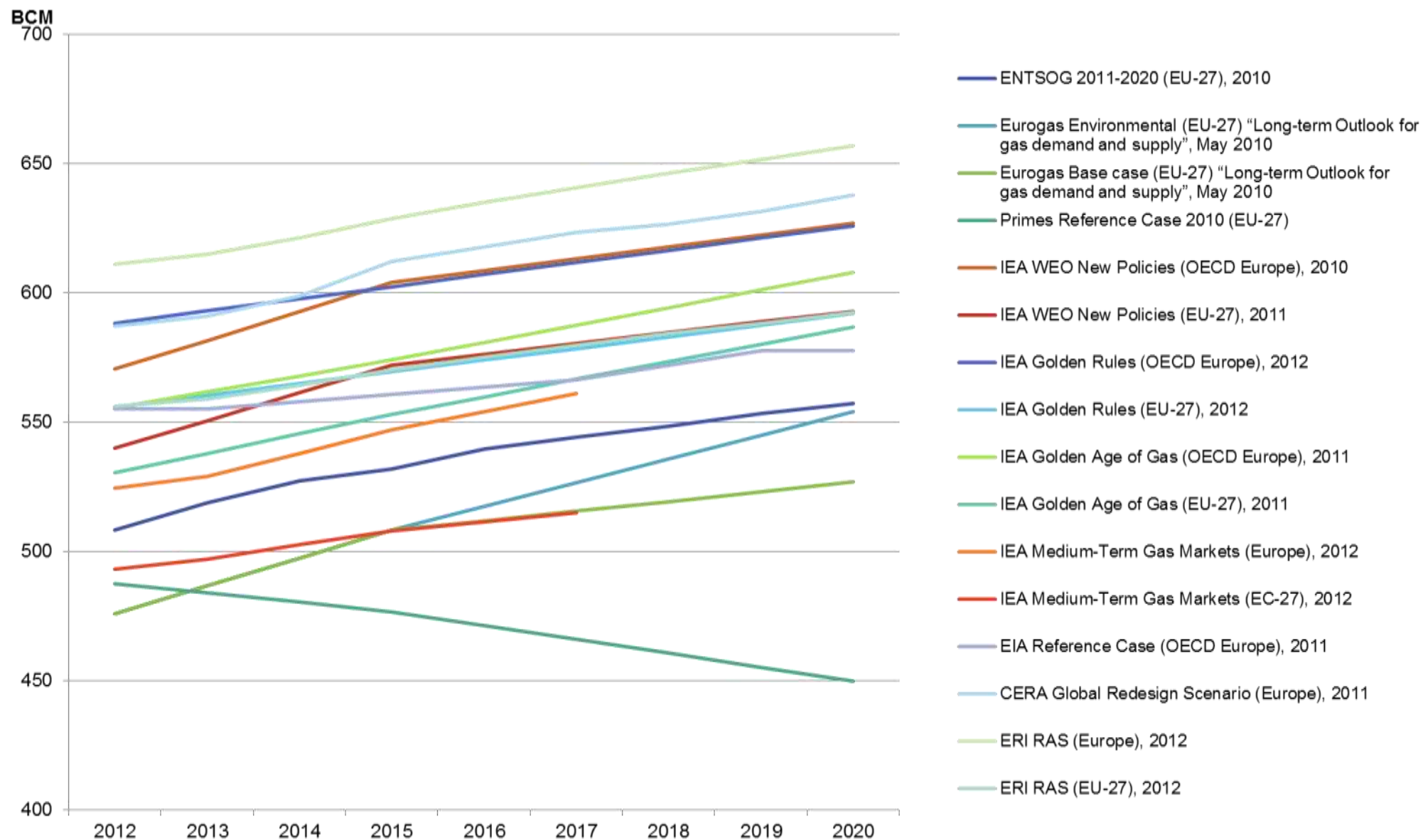
Russian natural gas exports



Russian natural gas consumption by sector



Middle-term outlook for natural gas demand in Europe



You can download full text at:

http://www.eriras.ru/files/Outlook_2012_eng_light.pdf

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