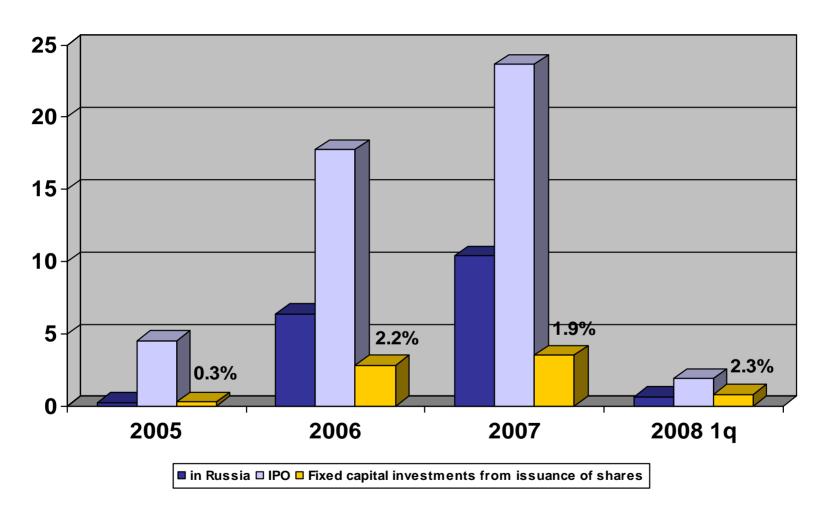


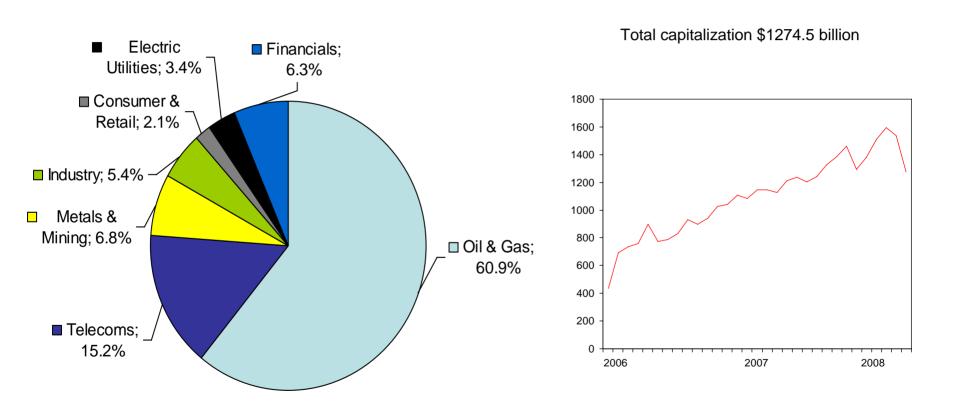
The Stock market modeling in QUMMIR.

- Performed by Kaminova Sofia
- •The Institute of Economic Forecasting

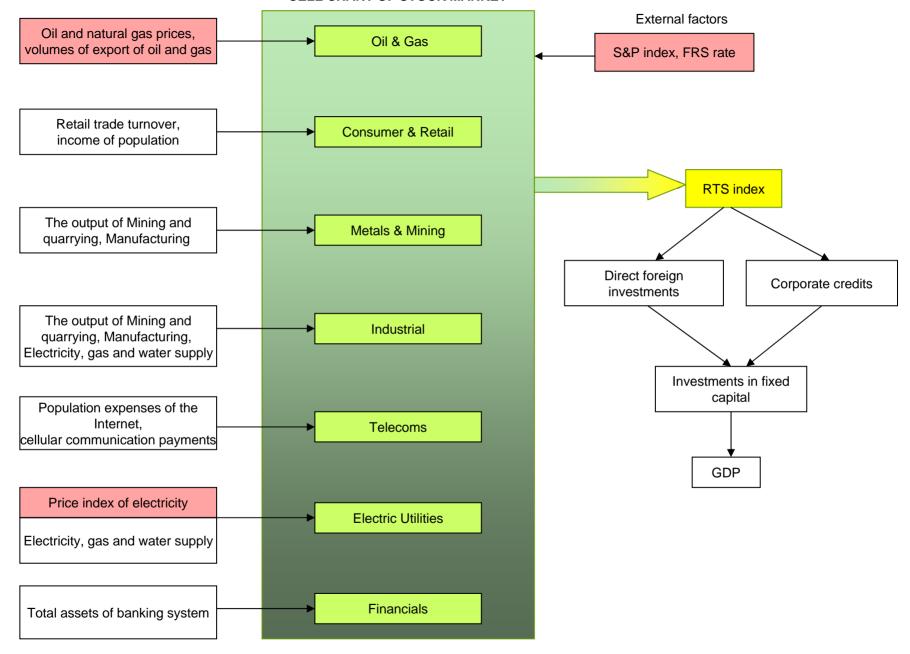
Initial Public Offerings



SECTORAL SEGMENTATION BY CAPITALIZATION



CELL CHART OF STOCK MARKET



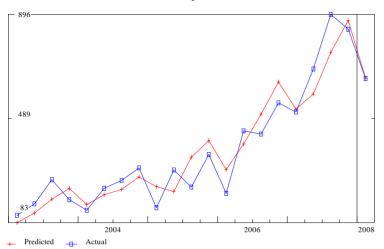
Exogenous variables

	2008	2009	2010	2011	2012
Oil price (brent)	119.5	124.8	129.9	132.5	135.2
Natural gas price	371.1	388.8	387.1	404.1	408.1
Export of oil	64.2	64.8	65.3	65.5	65.3
Export of gas	50.2	52.5	54.7	56.8	59.7
Price index of electricity	24.06	27.28	30.30	33.31	35.03
FRS rate	2.05	2.28	2.70	3.41	4.02
S&P index	1314.7	1325.5	1388	1471.3	1611.3

- r credjurT_del = rtsi, invVCT, passiv_kb_del[1],
- r invdiroblres = rtsi, sezinvdiroblres, invVT/invVT[1], fdVT/fdVT[1],

credjurT_del – increase of corporate credits
invdiroblres - direct foreign investment
rtsi – RTS index
fdVT – GDP in constant prices
invVT - fixed capital stock in constant prices
invVCT – fixed capital stock in current prices
passiv_kb_del - increase of banking system liabilities
sezinvdiroblres – seasonality of direct foreign investment

credjurT



credjurT

SEE = 71.00 RSQ = 0.9021 RHO = 0.02

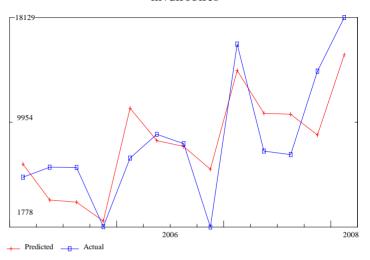
Obser = 20 from 2003.100

SEE+1 = 71.00 RBSQ = 0.8837 DW = 1.95

DoFree = 16 to 2007.400

MAPE = 22.25

invdiroblres



invdiroblres

SEE = 2869.05 RSQ = 0.6306 RHO = -0.00 Obser

= 13 from 2005.100

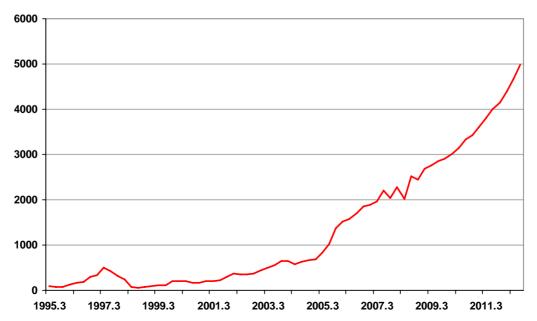
SEE+1 = 2868.78 RBSQ = 0.4459 DW = 2.00

DoFree = 8 to 2008.100

MAPE = 45.09

FORECAST

	2008	2009	2010	2011	2012
Oil & Gas	356.2	390.7	391.8	410.9	426.2
Financials	667.9	943.9	1291.3	1745.8	2354.7
Consumer & Retail	409.2	554.7	687.1	842.5	991.1
Industrial	368.4	414.5	504.3	604.9	760.4
Electric Utilities	346.3	471.7	602.3	762.5	927.7
Metals & Mining	410.7	441.1	538.2	651.7	827.4
RTS index	2513.1	2855.0	3327.7	3995.4	4985.7



Thank you