ИНП РАН

The Scheme of the Budget Block in the QUMMIR and the RIM models.

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Forecasting

The Russian budget

Tax revenues
Non-tax revenues

Expenditures

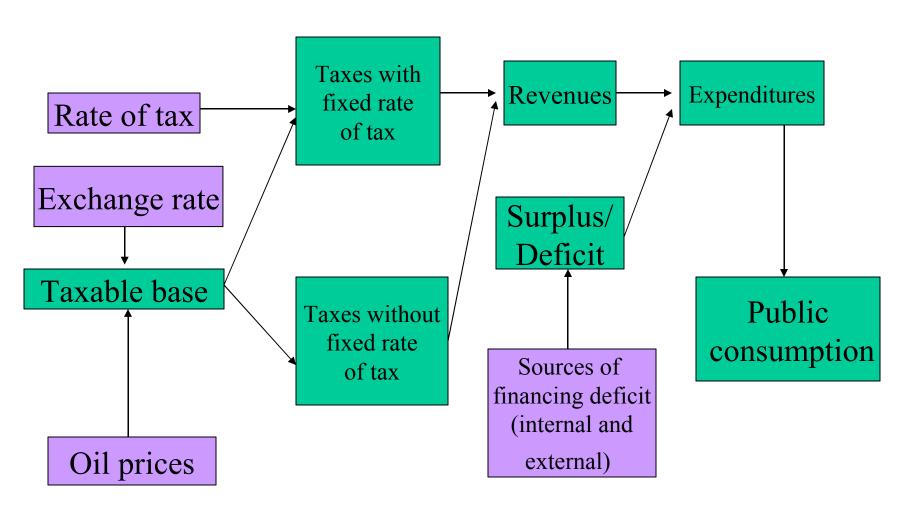
Surplus(+)/Deficit(-)

Internal financing of surplus (including Stabilization fund) External financing of surplus

Revenues – Expenditures = Surplus/Deficit = - Financing of surplus

The principal scheme of the budget block

- Endogenous parameters
 - Exogenous parameters



Revenues:

r Tax revenues = taxable base * tax rate (1)

r Tax revenues =coefficient of tax collectability * taxable base * tax rate (2)

r Tax revenues = taxable base (3)

r infinK = govpaperKnom, ostatokK

infinK - internal surplus financing govpaperKnom - government securities' issue - refund internal debt ostatokK - value of funds left on government accounts

r outfinK = outdebTK

outfinK – external surplus financing

outdebTK - repayment of accumulated Soviet and Russian external debt

r defKstr = (infinK+outfinK)

defKstr – the budget surplus without the Stabilization fund outfinK – external surplus financing infinK - internal surplus financing

r expK = !incK, defKcom, sezexp

expK – the budget expenditures

incK – the budget revenues

defKcom – the budget surplus

sezexp – the expenditures seasonality

exprusK = expK - stdebdtK - naecexpK - transfF
rexprusK = exprusK / dpub
sumexppub = (rexprusK+rexprusK[1]+rexprusK[2]+rexprusK[3])/4
r pubexVT = sumexppub , fdVT, time

expK – the budget expenditures

stdebdtK – the debt service

naecexpK – the budget expenditures for the national economy (capital expenditures)

transfF – the transfers from the Federal budget to the Pension fund

dpub – the public consumption deflator

pubexVT – the public consumption in constant prices

fdVT – the GDP in constant prices

The main exogenous variables

	2006-2010	2011-2015	2016-2020
Variables of external conditions			
Brent oil price, \$/bl *	63.9	67.7	71.2
Cut-off price, \$/bl *	27	27	27
Oil export, million t	1321.6	1358	1311
	1321.6	1353	1330
Gas export, billion m ³	1052.0	1174.4	1271.3
	1057.4	1277.5	1513.6
External debt service, \$ billion	16.3	13.5	13.5
Principal payments, \$ billion	50.3	20	20
Exchange rate variables			
Ruble to dollar rate *	26.5	27.4	28.8
	26.5	28.2	31.2
Euro to dollar rate *	1.33	1.36	1.36
The share of non-raw export, %*	59	64	68
	60	68	75

^{* -} the average annual index

The main exogenous variables

	2006-2010	2011-2015	2016-2020
Parameters of the consolidated budget			
Growth rate of costs of the economy, %*	1.17	1.14	1.09
	1.17	1.17	1.15
Growth rate of funds left on government			
Cash Balances, %*	0.80	1.00	1.00
Growth rate of government securities' issue, %	* 1.48	1.20	1.20
	1.85	1.20	1.17

^{* -} the average annual index

The main results of forecasting

	2006-2010	2011-2015	2016-2020
GDP (dynamics in constant prices,%)*			
GDP	5.1	3.9	3.5
	7.4	7.9	7.8
Household consumption	9.2	5.8	4.6
	10.7	8.9	8.1
Public consumption	1.6	1.4	1.4
	2.3	2.2	2.4
Investment	11.0	6.7	4.9
	13.8	10.9	9.5
Export	4.4	3.8	3.4
	6.2	6.3	7.0
Import	12.2	6.3	4.2
	13.0	7.5	6.1

^{* -} the average annual index

The main results of forecasting

	2010	2015	2020
Parameters of the consolidated budget (% of GDP)			
Revenues	33.0	31.3	30.6
	32.5	30.5	29.7
Expenditures	29.9	29.9	30.9
	31.9	32.2	33.3
Surplus(+)/Deficit(-)	3.1	1.4	-0.3
	0.6	-1 .7	-3.6
Share of public consumption in GDP	14.3	12.6	11.4
	13.5	10.3	7.9