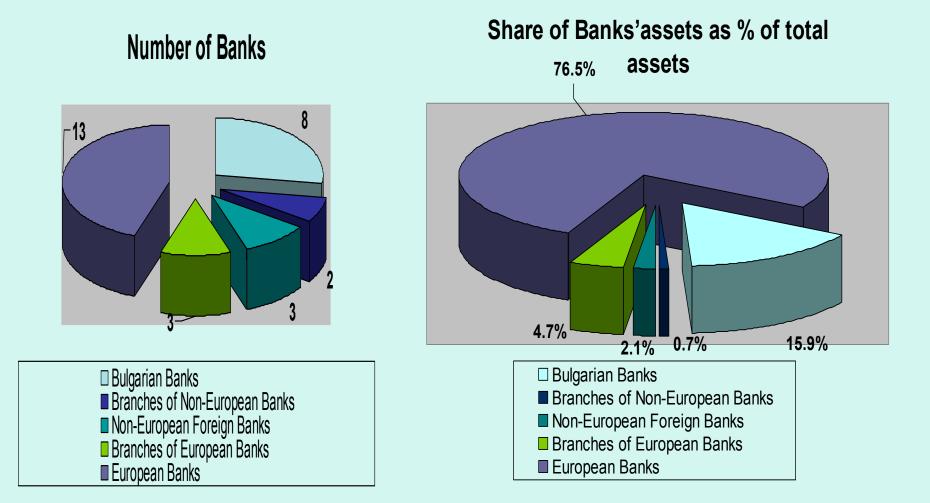


Bulgarian Banking Sector Stress-testing

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Structure of Bulgarian Banking System – June 2008





NATIONAL BANK

Basic Indicators as of June of 2008

NPL ratio – 2.02%
Solvency ratio – 14.55%
Liquidity ratio – 24.01%
ROA – 2.40%
ROE – 24.25%

➤ Assets growth (6.2007 - 6.2008) - 39.2%

≻ Banking Assets to GDP – 105% as of end 2007



NATIONAL BANK

BNB approach on stress-testing

Basic assumption

3 scenarios for the whole loan portfolio : 1%, 3% and 5% migration of standard loans, which reflect respectively in

124%, 233% and 342% growth of NPL

As a result the solvency ratio decreased by 0.4 p. p, 2.2 p. p. and 4 p. p.



In addition to the Basic assumption BNB applies Credit Risk+ (CR+) model

Basic information needed to implement CR+

PD, LGD, EAD for each sub-portfolio (e.g. corporate, mortgage, consumer,...)
 Number of borrowers in each sub-portfolio

Scenarios based on change of Macroeconomic indicators (GDP growth, inflation, interest rates, credit growth, real estate price growth) >Macro scenario 1 (light shock) >Macro scenario 2 (strong shock)



CR+ for households

- Participants in the stress-test are the top 10 market players, whose market share is about 80% of each sub-portfolio in the banking system (consumer loans, credit cards, mortgages)
- The banks are required to calculate and report to the BNB information for PD, SD and Recovery Rate for each sub-portfolio



Results

for the households based on 1-st Q 2008 data

Consumer loans **PD** varies from 1.0% to 10.5% SD (0.04% - 22.30%) RR (25% - 97.5%) >Mortgages PD (0.01% - 6.2%) SD (0.3% - 20%) **RR (10.1% - 95.6%)**



Thank you