# NATIONAL BANK OF SERBIA BANKING SUPERVISION DEPARTMENT

# ANNUAL REPORT 2002



#### I. BANKING SECTOR

#### 1. Number of Banks

After the banking sector had extensively been restructured in 2001 and early 2002, with quite a few banks closed for operation including some of the country's largest financial institutions, and with several newly founded banks, most of which were partially or fully owned by foreign banks, in the course of 2002 there were no considerable changes in terms of the total number of banks. The differences compared to the beginning of the year actually reflected the transformation in ownership of a group of banks which had formerly been mostly socially-owned, and the transformation of the Post Office Savings Bank into a bank of universal type, as well as the appearance of another foreign bank in the market which had acquired the majority holdings in one of the previously established domestic banks.

The most important activities associated with the restructuring of ownership in the banking industry involved the implementation of the provisions of the laws which had resolved the long-existing problem faced by the banking sector – the fact that over 50% of balance sheet totals reported by major banks were immobilized on the basis of frozen household foreign currency savings and rescheduled long-term foreign exchange external loans. By the conversion of claims related to the Paris Club and London Club creditors, and to frozen household foreign currency savings, the Republic of Serbia acquired the ownership of 18 banks of which:

- In eight banks the Republic of Serbia has majority holdings;
- In five banks the Republic of Serbia has minority holdings;

In early 2002 the National Bank of Serbia revoked operating licenses of the following banks: Beobanka AD Beograd, Beogradska banka AD Beograd, Investbanka AD Beograd, and Jugobanka AD Beograd. Their aggregate balance sheets at the time absorbed 57% of the total balance sheet amount of the banking sector.

The Law on the Settlement of the Public Debt of the Federal Republic of Yugoslavia Under Household Foreign Currency Savings and the Law Governing the Relations between the Federal Republic of Yugoslavia and Legal Entities and Banks within the Territory of the Federal Republic of Yugoslavia Being the Original Debtors or Guarantors toward the Paris Club and London Club Creditors.



- Three banks are in the process of rehabilitation;
- Two banks, which had been in the process of rehabilitation, merged with Niška banka a.d. Niš, also in rehabilitation.

These activities were aimed at speeding up the process of privatization in the banking and real sector; consequently, the ownership by the Republic of Serbia is of a provisional nature, and the shares of banks acquired in this manner will be offered for sale in the coming period.

The Post Office Savings Bank was transformed into a bank in compliance with the provisions of the amended and supplemented Law on Banks and Other Financial Organizations whereby this institution is no more treated as a special form of a financial organization.

At the end of 2002 the total number of banks was 50 (including two in the north of Kosovo) of which:

- 6 banks under majority control of foreign banks;
- 6 banks in majority ownership of other foreign entities;
- 15 banks with predominantly private capital;
- 8 banks with majority holdings by socially-owned companies;
- 11 banks in the process of privatization, with provisional majority holdings owned by the Republic of Serbia, thereof three banks in the process of rehabilitation;
- 4 banks with considerable state-owned holdings.

The year of 2002 saw continued trends reflecting a declining number of banks controlled by socially-owned legal entities and an increasing number of banks belonging to larger banking groups controlled by international banks. For the purpose of providing funds to settle the obligations toward the London Club and Paris Club creditors, the member republics are required to start selling the shares in banks within six months after the ownership of shares in such banks has been transferred to them by the FRY.

Jugobanka AD Kosovska Mitrovica had not provided adequate information and it was, therefore, impossible to include them into the overall data for the banking sector. All information below refer to 49 banks.



#### 2. Grouping of Banks

Pursuant to the Decision on Detailed Requirements in Implementing Articles 26 and 27 of the Law on Banks and Other Financial Organizations and the Decision on Criteria for Classification of On-Balance-Sheet Assets and Off-Balance-Sheet Items According to the Level of Recoverability and Level of Specific Provisions of Banks and Other Financial Organizations, and according to the required reports presented by banks to the National Bank of Serbia, for the year ended December 31, 2002, i.e. for the period January 1 – December 31, 2002, the aggregate data were prepared for the banking sector (49 banks). The data served as the basis for the overall review of the financial position of the banking sector as a whole, as well as the specific aspects of particular banking groups within the sector.

In 2002 the National Bank of Serbia issued new regulations within the efforts for enhancing its supervisory function ("FRY Official Gazette" No. 39/2002 and 52/2002).

Banks were grouped according to their balance sheet totals, i.e.:

- Banks with balance sheet exceeding 10 billion dinars
- Banks with balance sheet ranging from 5 to 10 billion dinars
- Banks with balance sheet ranging from 1 to 5 billion dinars
- Banks with balance sheet below 1 billion dinars.

#### 3. Balance Sheet and Off-Balance Sheet Items

As shown by the aggregate data from reclassified balance sheets as of December 31, 2002, the **total balance sheet amount** of all banks reached 316,578 million dinars.

In million dinars

|                            | 31 Dec. 2002 | 31 Dec. 2001 |
|----------------------------|--------------|--------------|
|                            |              | _            |
| TOTAL BALANCE SHEET AMOUNT | 316,578      | 291,460      |

The reported information for 2002 contain no data for Jugobanka AD Kosovska Mitrovica, and the information for 2001.годину include no data for four large banks whose operating licenses were revoked in early 2002.



Compared to December 31, 2001 balance sheet totals reported by the banking sector increased by approximately 25 billion dinars, or 8.6%. This was the result of transferred liabilities/claims toward the FRY based on frozen foreign currency savings from balance sheets of banks amounting to approximately 70 billion dinars, and increased balance sheet totals by approximately 95 billion dinars or 33%.

Three banks with the highest balance sheets accounted for 35.7% of the total balance sheet amount of the banking sector.

The structure shows that the majority of banks (over 50%) belonged to the group with the balance sheet ranging from 1,000 to 5,000 million dinars.

In million dinars

31 Dec. 2001

NUMBER BALANCE
OF BANKS SHEET

|                      | 31 Dec   | . 2002  | 31 Dec. 2001 |         |  |
|----------------------|----------|---------|--------------|---------|--|
| BALANCE SHEET        | NUMBER   | BALANCE | NUMBER       | BALANCE |  |
|                      | OF BANKS | SHEET   | OF BANKS     | SHEET   |  |
|                      |          |         |              |         |  |
| Above 10.000         | 7        | 168.929 | 6            | 153.441 |  |
| From 5,000 to 10,000 | 10       |         |              | 75.940  |  |
| From 1,000 to 5,000  | 26       | 65,032  | 23           | 55,331  |  |
| Below 1,000          | 6        | 3,528   | 10           | 6,748   |  |

The three leading banks in terms of the size of the balance sheet shared with 35.7%, and the five leading banks with 46.6%; comparative data for eight Central and East European countries (in 2001) showed that the same ratio had ranged from 43.7% in Poland to 58.4% in the Czech Republic, or from 51.0% in Poland to 68.9% in Slovenia with the leading five banks.

The smallest banks were halved, both in terms of their number and balance sheet totals.

As indicated by the aggregate data for the banking sector reported as of December 31, 2002, **off-balance sheet items** amounted to the total of 203,329 million dinars.

In million dinars

|                               | 31 Dec. 2002 | 31 Dec. 2001 |
|-------------------------------|--------------|--------------|
|                               |              |              |
| TOTAL OFF-BALANCE SHEET ITEMS | 203,329      | 88,719       |

The ratio of balance sheet assets to GDP was 31.4%. Comparative data for eight Central and East European countries indicate that the highest ratio was reported by the Czech Republic (121.3%) and the lowest by Romania (31.2%).

Relative to December 31, 2001 the total off-balance sheet items reported by the banking sector increased by approximately 115 billion dinars or 129%.

This was the result of transferred liabilities/claims toward the FRY based on frozen foreign currency savings from balance sheets of banks to their off-balance sheet positions amounting to approximately 70 billion dinars, and approximately 28 billion dinars in off-balance sheet items reported by one bank which took over the savings from the banks whose NBS licenses had been revoked; consequently, off-balance sheet items increased by 18 billion dinars in real terms.



As shown by the structure of banks, over 50% of the total off-balance sheet items are absorbed by the 7 largest banks.

In million dinars 31 Dec. 2002 **BALANCE SHEET NUMBER OF BANKS OFF-BALANCE SHEET** Above 10.000 115.931 From 5.000 to 10.000 10 33,183 From 1,000 to 5,000 26 52,954 Below 1,000 6 1,261

The banks with the highest total off-balance sheet amount as of Dec. 31, 2002 were three banks with the off-balance sheet totals accounting for 52.2% of the aggregate off-balance sheet items reported by the banking sector.

Nearly 50% of to the total offbalance sheet items related to the bonds issued pursuant to the Law on the Settlement of the Public Debt of the FRY Under Household Foreign Currency Savings (as reported by the banks which operated in 2002 and those whose obligations arising from frozen currency savings were taken over by the National Savings Bank Beograd).

#### 4. Equity

According to the aggregate data for the year ended December 31, 2002, the total equity of the banking sector amounted to 63,587 million dinars.

In million dinars

|              | 31 Dec. 2002 | 31 Dec. 2001 |
|--------------|--------------|--------------|
|              |              |              |
| TOTAL EQUITY | 63,587       | 46,186       |

Compared to December 31, 2001 the equity of the banking sector increased by approximately 17 billion dinars or 37.7%. This resulted mainly from the conversion of 15% of the FRY liabilities based on frozen foreign currency savings (9.5 billion dinars) and liabilities related to the Paris Club and London Club creditors (24.4 billion dinars) into the share capital.

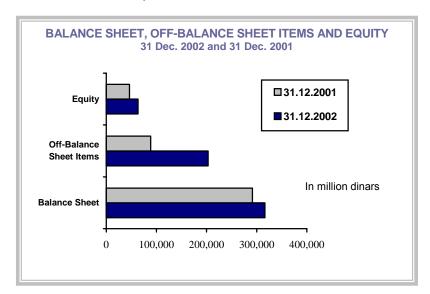
The structure indicates that 7 largest banks absorbed almost 50% of equity reported by the banking sector.

In million dinars 31 Dec. 2002 BALANCE SHEET NUMBER OF **EQUITY BANKS** Above 10,000 30,089 10 From 5,000 to 10,000 13,707 From 1,000 to 5,000 26 17,681 Below 1,000 6 2,110

The loss reported by banks in 2002 exceeded by 16.9 billion dinars the level recorded in 2001.



Within the aggregate equity reported by the country's banking sector, five banks with the highest amount of equity as of December 31, 2002 accounted for 43.1%.



Foreign banks relied more on the deposit potential, as opposed to the domestic, mostly private banks which relied more on their own sources, i.e. capital.

The leading banks in terms of equity were still those privately owned. Private banks accounted for 23.6% and 39.7% of the aggregate balance sheet amount and total equity respectively.

After the liabilities based on frozen foreign currency savings and claims related to the Paris Club and London Club creditors were converted into the bank shares, the state ownership is of a provisional nature.

Despite the fact that the banking sector included 49 banks (reviewed in this report), the largest 7 banks absorbed 48.5% of the total balance sheet amount, 57.0% of the total off-balance sheet items, and 47.3% of the overall equity reported by the banking sector. The three largest banks in the group accounted for one third of the total balance sheet amount, one fourth of the

banking sector. The three largest banks in the group accounted for one third of the total balance sheet amount, one fourth of the total off-balance sheet items, and one fifth of the overall equity reported by the banking sector.

The table below contains the balance sheet amounts and equity of banks divided in terms of their ownership structure.

The equity reported by smaller banks, with balance sheets below DIN 5 billion, had a relatively higher share compared to larger banks.



In million dinars

|                             | Balance<br>Sheet | %     | Equity | %     |
|-----------------------------|------------------|-------|--------|-------|
|                             |                  |       |        |       |
| Domestic banks              | 231,128          | 73.0  | 51,247 | 80.6  |
| - State-owned (provisional) | 112,708          | 35.6  | 15,490 | 24.4  |
| - State-owned               |                  |       |        |       |
| (significant                | 25,579           | 8.1   | 5,076  | 8.0   |
| holdings)                   | _                | _     | _      | _     |
| - Socially-owned            | 18,049           | 5.7   | 5,412  | 8.5   |
| - Private                   | 74,792           | 23.6  | 25,269 | 39.7  |
| Foreign banks               | 85,450           | 27.0  | 12,340 | 19.4  |
| - Majority                  |                  |       |        |       |
| controlled by               | 38,231           | 12.1  | 4,791  | 7.5   |
| foreign banks               | ĺ                |       | Í      |       |
| - Majority                  |                  |       |        |       |
| owned by other              | 47,219           | 14.9  | 7,549  | 11.9  |
| other foreign entities      | ,                |       | ,,,,,, |       |
| TOTAL                       | 316,578          | 100.0 | 63,587 | 100.0 |

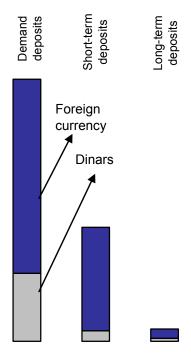
# 5. Savings

Two years after the restructuring of the banking industry was launched, the results of the regained trust in the banking sector and revived household savings have become apparent.

In million dinars

| HOUSEHOLD<br>SAVINGS | 31 Dec.<br>2002 | %     | 31 Dec.<br>2002 | %     | Index |
|----------------------|-----------------|-------|-----------------|-------|-------|
|                      |                 |       |                 |       |       |
| Demand deposits      | 39,638          | 67.5  | 13,563          | 61.2  | 292   |
| - Dinar              | 10,267          | 17.5  | 2,590           | 11.7  | 396   |
| - Foreign currency   | 29,371          | 50.0  | 10,973          | 49.5  | 268   |
| Short-term deposits  | 17,236          | 29.3  | 8,234           | 37.1  | 209   |
| - Dinar              | 1,599           | 2.7   | 553             | 2.5   | 289   |
| - Foreign currency   | 15,637          | 26.6  | 7,681           | 34.6  | 204   |
| Long-term deposits   | 1,866           | 3.2   | 379             | 1.7   | 492   |
| - Dinar              | 457             | 0.8   | 59              | 0.3   | 775   |
| - Foreign currency   | 1,409           | 2.4   | 320             | 1.4   | 440   |
| TOTAL                | 58,740          | 100.0 | 22,176          | 100.0 | 265   |

#### SAVINGS 31 Dec. 2002





In 2002 the total dinar household deposits increased by over 9 billion dinars, or almost four times, while foreign currency deposits rose by more than EUR 446 million. Their structure was not satisfactory yet, however, as demand deposits still accounted for 67,5% of the total household savings.

Relative to the level reported in mid 2001, savings reported as of December 31, 2002 increased by ten times. In late 2001 foreign currency savings considerably rose due to the required conversion to euro (mostly placed in demand and short-term foreign currency deposits) which were subsequently not withdrawn, but additionally increased in 2002.

The highest level of savings (equal to 47.6% of the total savings, or 52.1% of the total foreign currency savings) was reported by three banks.

With the banks under majority control by foreign banks, the ratio was 3 to 1 in favor of foreign currency loans, as opposed to the banks majority owned by other foreign entities where the ratio was 3 to 1 in favor of dinar loans.

#### 6. New Banks

At the end of 2002 the number of banks remained unchanged. Following the merger of Dunav banka AD Beograd and Jugobanka AD Kruševac with Komercijalna banka AD Beograd, and of Vranjska banka AD Vranje and Prokupačka banka AD Prokuplje with Niška banka AD Niš, and after the Post Office Savings Bank was transformed into a bank of universal type, and the new National Savings Bank Beograd started its operation, the new foreign bank Alpha Bank AD Beograd was founded, and one more foreign bank entered the market by acquiring the majority holdings in one of the previously established domestic banks (Deposit-Credit Bank Beograd which used to operate under RAJ banka AD Beograd), the number of banks was still 50.

In 2001 the share of foreign capital in eight observed European countries ranged from 55.3% in Romania to 94.2% in the Czech Republic.

### 7. Foreign Banks

In 2002 the National Bank of Serbia issued the operating license to one more foreign bank, Alpha Bank AD Beograd, and on December 31, 2002 there were 12 banks with the majority foreign interests included in the banking sector as follows:

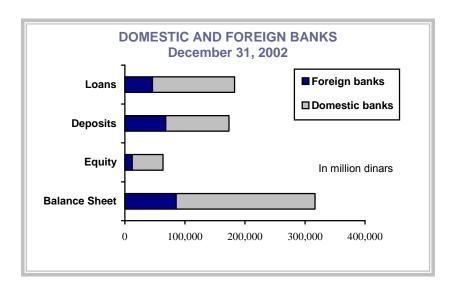


|     | 11: | dimara |
|-----|-----|--------|
| m m | mon | dinars |

| FOREIGN<br>BANKS                           | Balance<br>Sheet | Equity         | Financial<br>Result | Deposits       | Loans          |
|--|------------------|----------------|---------------------|----------------|----------------|
| Majority<br>controlled by<br>foreign banks | 38,231           | 4,791          | - 204               | 31,422         | 17,544         |
| Majority owned by other foreign entities   | 47,219           | 7,549          | - 65                | 36,635         | 28,566         |
| TOTAL Percentage in the banking sector     | 85,450<br>27.0   | 12,340<br>19.4 | - 269<br>1.0        | 68,057<br>39.2 | 46,110<br>25.2 |

In the deposits reported by foreign banks foreign currency and dinars accounted for 66.8% and 33.2% respectively, with 71.4% absorbed by demand deposits, and 28.0% by deposits up to one year.

One fourth of the aggregate lending in the banking sector was absorbed by portfolios of foreign banks. In the total loans amounting to 46,110 million dinars, dinar loans accounted for 56.1% (25,872 million dinars), and foreign currency loans for 43.9% (20,238 million dinars); short-term loans absorbed 92.1%, and long-term loans no more than 7.9%.



# 8. Number of Employees

In 2002 the number of employees in the banking sector increased by 3,193 or 22%. At the end of 2001 banks employed 22,804 people including 8,322 or 36.5% in the four banks whose operating licenses were revoked in early 2002. The number of staff reported at the end of 2002 was 18,914 (including 126 employees in Jugobanka AD Kosovska Mitrovica).

On the level of the entire banking sector, balance sheet assets per employee amounted to DIN 16.9 million at the end of 2001, as opposed to DIN 20.1 million at the close of 2001. With foreign banks, the balance sheet assets to employee ratio was DIN 30.5 compared to DIN 33.5 million at the end of 2001.



#### II BALANCE SHEET STRUCTURE

The total balance sheet amount of the banking sector as of December 31, 2002 increased by 25.1 billion dinars or 8.6% compared to December 31, 2001. Balance sheets of the three new banks which started operating in 2002 amounted to 15.7 billion dinars. The balance sheet amount rose by 79.3 billion dinars or 27.2% in real terms (taking into account the transfers required by law), or by 95.0 billion dinars or 32.6% including the new banks.

#### 1. Structure of Liabilities

In mid 2002 the Law on the Settlement of the Public Debt of the Federal Republic of Yugoslavia Under Household Foreign Currency Savings and the Law Governing the Relations between the Federal Republic of Yugoslavia and Legal Entities and Banks within the Territory of the Federal Republic of Yugoslavia Being the Original Debtors or Guarantors toward the Paris Club and London Club Creditors were enacted. The implementation of their provisions had direct effects as to the changes in the balance sheet structure of the banking sector.

STRUCTURE OF LIABILITIES **December 31, 2002** Short-term Demand deposits deposits 13% 42% Long-term borrowings 9% Equity 20% Long-term Other provisions 6% 10%

Pursuant to the Law on the Settlement of the Public Debt of the Federal Republic of Yugoslavia Under Personal Foreign Currency Savings, the liabilities arising from frozen currency savings were transferred from balance sheets to off-balance sheet items, and in 2002 the total balance sheet amount decreased accordingly, i.e. by DIN 69.9 billion.

The structure of total liabilities amounting to DIN 316,578 million shows that the largest portion of 41.5% was absorbed by demand deposits. The second highest position was equity (20.1%) which was followed by short-term deposits accounting for 12.5%. In addition to long-term provisions (10.2%) and long-term borrowings (9.2%), these were the only significant positions within the liabilities of the banking sector accounting for 93.5% in total.



As of December 31, 2002 **liabilities** aggregately reported by banks were as shown in the table below.

#### STRUCTURE OF LIABILITIES

In million dinars

|   | 31 Dec. | 31 Dec. | 31 Dec. 2001 |       |
|---|---------|---------|--------------|-------|
| _   |         | %       |              | %     |
| Demand deposits                             | 131,520 | 41.5    | 72,608       | 24.9  |
| Short-term liabilities to NBS               | 419     | 0.1     | 264          | 0.1   |
| Short-term deposits                         | 39,705  | 12.5    | 20,677       | 7.1   |
| Short-term borrowings                       | 2,590   | 0.8     | 3,728        | 1.3   |
| Short-term securities                       | 1,836   | 0.6     | 2,796        | 1.0   |
| Other liabilities and non-operating sources | 8,375   | 2.7     | 7,849        | 2.7   |
| Long-term liabilities to NBS                | 298     | 0.1     | 389          | 0.1   |
| Long-term deposits                          | 2,270   | 0.7     | 845          | 0.3   |
| Long-term borrowings                        | 29,174  | 9.2     | 40,847       | 14.0  |
| Long-term securities                        | 2,752   | 0.9     | 1,166        | 0.4   |
| Household frozen FX deposits                | 0       | 0.0     | 69,908       | 24.0  |
| Long-term provisions                        | 32,217  | 10.2    | 24,191       | 8.3   |
| Subordinated debt                           | 1,835   | 0.6     | 6            | 0.0   |
| Equity                                      | 63,587  | 20.1    | 46,186       | 15.8  |
| TOTAL LIABILITIES                           | 316,578 | 100.0   | 291,460      | 100.0 |

Within the short-term liabilities toward the NBS, 90.4% related to the banks belonging to Group I, while one bank alone accounted for 73.6% (DIN 308 million). The same bank had also long-term liabilities toward the NBS amounting to DIN 150 million, i.e. this bank absorbed 63.9% of the total liabilities toward the NBS reported by the banking sector.

With the transfer of liabilities based on frozen foreign currency savings from balance sheets to off-balance sheet positions and the conversion of long-term liabilities related to the Paris Club and London Club creditors into bank shares, as provided by the enacted laws, the sources which could have not been transformed to interest-bearing assets were removed from balance sheets of banks whereby the volume and structure of accounts in the banking sector have become more realistic.

Although foreign currency deposits increased by 34,229 million dinars, their share in the total deposits fell from 60.3% in 2001 to 52.5% in 2002. Their percentage in the European countries, as reported in 2001, ranged from 17.8% in Slovakia to 74.9% in Croatia.

The aggregate deposits reported by Yugoslav banks amounted to 173,495 million dinars and accounted for 54.7% of the total liabilities. The deposit potential recorded an increase both in absolute terms, by 79,365 million dinars or 84.3%, and in relative terms, from 32.3% to 54.7% of liabilities. In 2002 such increase primarily resulted from the growing demand deposits and short-term deposits.

The three largest banks in terms of the deposit potential as of December 31, 2002 (86.3 billion dinars) accounted for 49.7% of the total deposits reported by the banking sector.



In million dinars

| DEPOSITS            | 31 Dec. 2002 | %     | 31 Dec. 2001 | %     |
|---------------------|--------------|-------|--------------|-------|
|                     |              |       |              |       |
| Demand deposits     | 131,520      | 75.8  | 72,608       | 77.1  |
| - Dinar             | 69,454       | 40.0  | 32,877       | 34.9  |
| - Foreign currency  | 62,066       | 35.8  | 39,731       | 42.2  |
| Short-term deposits | 39,705       | 22.9  | 20,677       | 22.0  |
| - Dinar             | 12,287       | 7.1   | 4,146        | 4.4   |
| - Foreign currency  | 27,418       | 15.8  | 16,531       | 17.6  |
| Long-term deposits  | 2,270        | 1.3   | 845          | 0.9   |
| - Dinar             | 755          | 0.4   | 337          | 0.4   |
| - Foreign currency  | 1,515        | 0.9   | 508          | 0.5   |
| TOTAL               | 173,495      | 100.0 | 94,130       | 100.0 |

The three largest banks in terms of demand deposits as of December 31, 2002 (57.5 billion dinars) accounted for 43.7% of the total demand deposits reported by the banking sector.

The maturity structure of deposits shows that demand deposits accounted for 75.8%, short-term deposits for 22.9%, and long-term deposits for no more than 1.3% of the total deposits. Foreign currency deposits absorbed 90,999 million dinars or 52.5% of the total deposits, with demand and short-term deposits accounting for 68.2% and 30.1% respectively.

The structure of deposits further points to corporate clients as the largest depositors accounting for 35.3% which were followed by households sharing with 33.9% in the total deposits. Corporate deposits prevailed within the aggregate dinar deposits reported by the banking sector, as they accounted for 40.8% of the total dinar deposits, whereas the leading position within the household deposits was held by those in foreign currency accounting for 51.0% of the overall foreign currency deposits.

By far the most significant (3) banks in terms of the deposit potential shared with 49.7% in the aggregate deposits reported by the banking sector.

The structure improved in favor of term deposits (from 22.9% to 24.2% in the total deposits).

Demand deposits increased by 58.9 billion dinars, with dinar and foreign currency demand deposits accounting for 36.6 billion and 22.3 billion dinars respectively. The leading (3) banks in terms of demand deposits absorbed 43.7% of the aggregate demand deposits.

Within the overall short-term deposits of the banking sector, those held with three banks accounted for 33.5% or 13.3 billion dinars.



Corporate demand deposits prevailed with 50.8 billion dinars or 38.6% of the total demand deposits. Households accounted for 30.1% (39.6 billion dinars) of the overall demand deposits.

Short-term deposits rose by 19.1 billion dinars, with dinar and foreign currency deposits increased by 8.1 billion and 10.9 billion respectively. The (3) leading banks in terms of short-term deposits shared with 33.5% in the overall short-term deposits reported by the reviewed banks.

Households made the major group accounting for 17.2 billion dinars or 43.3% of the aggregate short-term deposits.

On December 31, 2002 equity of the banking sector was reported at 63,587 million dinars and shared with 20.1% in the total liabilities of banks, mostly as the result of share capital amounting to 79,447 million dinars, revaluation reserves of 16,917 million dinars, and reserves from profit amounting to 4,913 million dinars, less reported loss of 38,584 million dinars. Compared to the balance of accounts reported at the end of 2001, the increase was 37.7%, or from 15.8% to 20.1% relative to the total liabilities.

In million dinars

| EQUITY   | 31 Dec. 2002                            | 31 Dec. 2001                          |
|--|---|---------------------------------------|
| Capital Share premium Revaluation reserves reserves from profit Profit | 79,457<br>126<br>16,917<br>4,913<br>931 | 40,481<br>-<br>11,167<br>5,794<br>751 |
| Treasury shares<br>Loss<br>TOTAL                                       | 162<br>38,584<br>63,587                 | 898<br>11,109<br>46,186               |

The structure of equity indicates that the major changes occurred with share capital and loss. Share capital increased by 39.0 billion dinars whereof 33.9 billion resulted from the conversion of liabilities arising from frozen foreign currency savings and those related to the Paris Club and London Club creditors into the capital, in addition to 2.1 billion dinars reported by banks founded in 2002, and 3.0 billion dinars in new issues of shares. The increase in loss was partly created by 15% liabilities written-off on account of frozen foreign currency savings (9.5 billion dinars), as well as by

The ratio of equity to deposits shows that larger banks used rather their deposit base than capital to provide financing, while the capital appeared to be the major source with the smallest banks.

The average equity (reported in this manner) per bank amounted to EUR 70 million within Group I; EUR 22 million within Group II; EUR 11 million within Group III; and EUR 6 million within Group IV.



additionally allocated special provisions against potential losses (11.3 billion dinars) mostly following the classification of the Paris Club and London Club claims.

|                      |        |        | In millio | on dinars |
|----------------------|--------|--------|-----------|-----------|
| EQUITY               | 1      | H H    | III       | IV        |
|                      |        |        |           |           |
| Capital              | 38,220 | 22,163 | 17,086    | 1,989     |
| Share premium        | 125    | 0      | 0         | 1         |
| Revaluation reserves | 9,142  | 3,971  | 3,505     | 287       |
| Reserves from profit | 3,388  | 799    | 608       | 118       |
| Profit               | 452    | 194    | 232       | 53        |
|                      |        |        |           |           |
| Treasury shares      | 0      | 0      | 0         | 162       |
| Loss                 | 21,238 | 13,421 | 3,749     | 177       |
| TOTAL                | 30,089 | 13,706 | 17,682    | 2,109     |

In 2002 banks were required to review and classify the claims related to the Paris Club and London Club creditors after establishing the degree of their recoverability in real terms.

Reclassified balance sheet, in terms of liabilities reported as of December 31, 2002, is shown in the table below for banks divided by the volume of their balance sheets.



#### **STRUCTURE OF LIABILITIES**

In million dinars

|   | GROU    | GROUP I GROUP II |        |       | GROU   | P III | GROUP | IV    | TOTA    | L     |
|---|---------|------------------|--------|-------|--------|-------|-------|-------|---------|-------|
|   |         | %                |        | %     |        | %     |       | %     |         | %     |
| Demand deposits                                 | 77,377  | 45.8             | 25,908 | 32.8  | 27,681 | 42.6  | 554   | 15.7  | 131,520 | 41.5  |
| Short-term liabilities to NBS                   | 379     | 0.2              | 14     | 0     | 23     | 0.1   | 2     | 0.1   | 419     | 0.1   |
| Short-term deposits                             | 19,453  | 11.5             | 10,344 | 13.1  | 9,766  | 15.0  | 142   | 4.0   | 39,705  | 12.5  |
| Short-term borrowings                           | 1,442   | 0.9              | 579    | 0.7   | 474    | 0.7   | 95    | 2.8   | 2,590   | 0.8   |
| Short-term securities                           | 579     | 0.3              | 327    | 0.4   | 930    | 1.4   | 1     | 0     | 1,836   | 0.6   |
| Other liabilities and non-<br>operating sources | 3,258   | 1.9              | 3,447  | 4.4   | 1,574  | 2.4   | 97    | 2.7   | 8,375   | 2.7   |
| Long-term liabilities to NBS                    | 186     | 0.1              | 30     | 0.1   | 22     | 0     | 60    | 1.7   | 298     | 0.1   |
| Long-term deposits                              | 1,746   | 1.0              | 152    | 0.2   | 349    | 0.6   | 22    | 0.6   | 2,270   | 0.7   |
| Long-term borrowings                            | 14,481  | 8.6              | 11,878 | 15.0  | 2,673  | 4.1   | 141   | 4.0   | 29,174  | 9.2   |
| Long-term securities                            | 982     | 0.6              | 1,759  | 2.2   | 9      | 0     | 2     | 0.1   | 2,752   | 0.9   |
| Long-term provisions                            | 18,343  | 10.9             | 9,724  | 12.3  | 3,849  | 5.9   | 301   | 8.5   | 32,217  | 10.2  |
| Subordinated debt                               | 615     | 0.4              | 1,220  | 1.5   | 0      | 0     | 0     | 0     | 1,835   | 0.6   |
| Equity  | 30,089  | 17.8             | 13,707 | 17.3  | 17,682 | 27.2  | 2,110 | 59.8  | 63,587  | 20.1  |
| TOTAL LIABILITIES                               | 168,930 | 100.0            | 79,089 | 100.0 | 65,032 | 100.0 | 3,527 | 100.0 | 316,578 | 100.0 |



Sources of banks belonging to the first three groups primarily related to their deposit potential which made 58.3%, 46.1%, and 58.2% of liabilities reported by banks in Groups I, II, and III respectively. Capital was the major source with banks belonging to Group IV sharing with 59.8% in their liabilities although it accounted for no more than 3.3% of the overall equity reported by the banking sector.

Long-term borrowings were more significant with larger banks, partly due to the additional transfers relating to the Paris Club and London Club creditors; the same applied to long-term provisions for the same reasons (classification of respective loans).

Banks belonging to Group I were not only those with the strongest balance sheets, but also the banks with the highest position of deposits. They absorbed 56.8% of the overall deposit potential of the banking sector; Groups I and II accounted for 21.0% and 21.8% respectively; and Group IV for no more than 0.4% of the aggregate deposits.

Furthermore, banks in Group I reported the highest deposit amount per employee, 11,543 thousand dinars. The same ratio was reported at 7,822 thousand and 7,220 thousand dinars with banks belonging to Groups II and III respectively, while Group IV reached no more than 2,000 thousand dinars per employee.

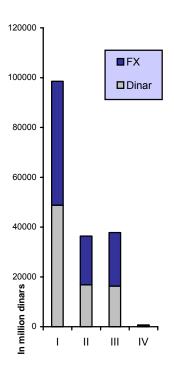
Corporate clients and households were the most significant depositors.

|            |      |       |      | In % |
|------------|------|-------|------|------|
| DEPOSITS   | 1    | ll II | III  | IV   |
|            |      |       |      |      |
| Corporate  | 33.5 | 34.8  | 39.2 | 41.9 |
| Households | 35.6 | 38.6  | 25.4 | 24.6 |

With all banks, foreign currency deposits prevailed over those in dinars, except with Group IV where the ratio was 24:76 in favor of dinar deposits.

|     |                    | ı      | n million d | linars |     |
|-----|--------------------|--------|-------------|--------|-----|
|     | DEPOSITS           |        | l II        | III    | IV  |
|     |                    |        | a= aaa      | a= aa4 |     |
|     | Demand deposits    | 77,377 | 25,908      | 27,681 | 554 |
|     | - Dinar            | 42,142 | 13,812      | 13,045 | 455 |
|     | - FX               | 35,235 | 12,096      | 14,636 | 99  |
|     | Short-term         | 19453  | 10,344      | 9,766  | 142 |
|     | deposits           |        |             |        |     |
| - 1 | - Dinar            | 6,088  | 2,914       | 3,215  | 68  |
| - 1 | - FX               | 13,365 | 7,430       | 6,551  | 74  |
|     | Long-term deposits | 1,746  | 152         | 349    | 22  |
|     | - Dinar            | 575    | 81          | 76     | 22  |
| - 1 | - FX               | 1,171  | 71          | 273    | -   |
| Į   | TOTAL              | 98,576 | 36,404      | 37,796 | 718 |

#### **DEPOSITS**



In million dinars



#### 2. Structure of Assets

The structure of **assets** of the reviewed banks showed that the largest portion of 33.5% (a 39.4 billion dinars increase) was absorbed by short-term loans and long-term loans (24.2%), with the subsequent Paris Club and London Club transfers accounting for approximately 10 billion dinars of the overall increase amounting to 27.7 billion dinars.

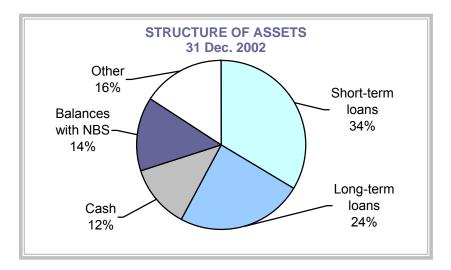
#### STRUCTURE OF ASSETS

|   | 31 Dec  | . 2002 | 31 Dec. : | 2001  |
|---|---------|--------|-----------|-------|
|   |         | %      |           | %     |
| Cash and cash equivalents                   | 39,157  | 12.4   | 39,489    | 13.6  |
| Balances with NBS and short-term securities | 44,406  | 14.0   | 20,045    | 6.9   |
| Short-term loans and advances               | 105,987 | 33.5   | 66,562    | 22.8  |
| Short-term securities and other investments | 7,495   | 2.4    | 6,638     | 2.3   |
| Securities and other investments            | 1,516   | 0.5    | 2,238     | 0.8   |
| Other and non-operating assets              | 10,450  | 3.3    | 13,830    | 4.7   |
| Claims on FRY for frozen FX deposits        | 0       | 0.0    | 66,787    | 22.9  |
| Long-term loans and advances                | 76,770  | 24.2   | 49,023    | 16.8  |
| Long-term securities                        | 4,232   | 1.3    | 8,106     | 2.8   |
| Equity shares                               | 5,302   | 1.7    | 5,182     | 1.8   |
| Fixed assets                                | 21,263  | 6.7    | 13,560    | 4.6   |
| TOTAL ASSETS                                | 316,578 | 100.0  | 291,460   | 100.0 |

Required reserves allocated by banks and held with the NBS (dinar and foreign currency) amounted to 20,105 million dinars or 6.3% of the total balance sheet assets.

Improved liquidity of the banking sector in 2002 resulted in the increase in balances with the National Bank of Serbia by 24.4 billion dinars; cash and cash equivalents remained unchanged but still made a significant portion of the total assets (12.4%). For the purpose of foreign exchange liquidity required to provide withdrawals from foreign currency savings deposits, allocations of banks held with the NBS reached 17,162 million dinars or nearly EUR 280 million.





Loans and advances (short- and long-term) accounted for 57.7% of the total balance sheet assets. In 2002 banks increased their lending activities by 58.1% relative to the previous year with adequately improved percentage of loans and advances within the structure of assets.

In million of dinars

| LOANS  | ALL BANKS<br>31 Dec. 2002  | %  | ALL BANKS<br>31 Dec. 2001   | %  |
|--|--|--|---|--|
| Short-term - Dinar - FX Long-term - Dinar - FX TOTAL | 105,987<br>71,082<br>34,905<br>76,770<br>19,246<br>57,524<br>182,757 | 58.0<br>38.9<br>19.1<br>42.0<br>10.5<br>31.5 | 66,562<br>32,804<br>33,758<br>49,023<br>10,327<br>38,696<br>115,585 | 57.6<br>28.4<br>29.2<br>42.4<br>8.9<br>33.5<br>100.0 |

The currency structure shows that in short-term lending foreign currency loans more or less maintained the level reported in the previous year (having increased by 1.2 billion dinars or 3.4%) while an increase by 38.3 billion dinars or 116.7% was reported with dinar loans. With long-term lending, foreign currency position still prevailed and recorded an increase by 18.8 billion dinars or 48.7%, mostly due to the transfers of additional Paris Club and London Club claims. An increase was reported in the percentage of dinar long-term loans which in 2002 also recorded a relatively higher growth compared to foreign currency lending (dinar loans rose by 86.4% or 8.9 billion dinars).

In million dinars **MAJOR** LOANS **BANKS\*** Short-term 53.561 56.4 37,716 - Dinar 39.7 - FX 15,845 16.7 Long-term 41,418 43.6 - Dinar 12.659 13.3 - FX 28,759 30.3 TOTAL 94,979 100.0

\* 5 leading banks in terms of amount of loans

Foreign currency placed in short-term deposits with foreign banks amounted to 21.5 billion dinars, with the deposits held by international banks amounting to 14.5 billion dinars.



Lending activities were concentrated to a considerable extent as the largest five banks absorbed 52.0% of overall lending reported by the banking sector, whereas their share in shortterm foreign currency loans was somewhat lower (45.4%) than in long-term dinar loans (65.8%).

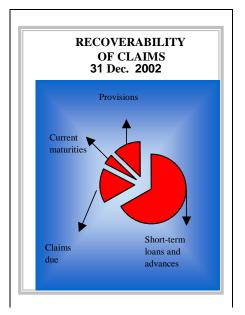
With the aggregate short-term loans (after provisions) 59.6% and 28.2% were provided to corporate clients and banks respectively, whereas household lending increased to 7.9%. Other borrowers shared with less than 2% in the overall short-term lending. Corporate clients were the prevailing borrowers in the area of short-term dinar lending (76.7%) while most of short-term foreign currency loans, or 72.2%, were extended to (primarily foreign) banks.

In terms of recoverability, the data reported as at December 31, 2002 relative to December 31, 2001 pointed to the improved recoverability of claims.

|   |  |                              |               | In                         | million dina      | rs |
|---|--|------------------------------|---------------|----------------------------|-------------------|----|
| 1 | LOANS                                    | 31 Dec. 2002                 | %             | 31 Dec. 2001               | %                 |    |
|   |  |                              |               |                            |                   |    |
|   | Short-term loans and advances            | 95,229                       | 81.0          | 59,581                     | 76.9              |    |
|   | Claims due<br>TOTAL                      | 22,369<br>117,598            | 19.0<br>100.0 | 17,940<br>77,521           | 23.1<br>100.0     |    |
|   | Current maturities under long-term loans | 6,777                        |               | 5,619                      |                   |    |
|   | TOTAL<br>Provisions<br>TOTAL             | 124,375<br>18,388<br>105,987 | 82.2          | 83,140<br>16,578<br>66,562 | 92.4 <sup>1</sup> |    |

Although an increase of approximately 40 billion dinars was reported for all respective positions, the amount of claims due decreased (from 23.1% to 19.0%), as well as the corresponding provisions for such claims (from 92.4% to 82.2%).

With long-term loans, provisions allocated by banks amounted to 52.9% of the current maturities under long-term loans, as opposed to lower provisions reported in the previous year (24.6%); this was also partly the result of more realistically reported loans related to the Paris Club and London Club creditors.



In the total provisions for shortterm dinar loans, 90.5% accounted for the provisions in the area of corporate lending.

<sup>&</sup>lt;sup>1</sup> Expressed relative to claims due



In 2002 the banks majority owned by foreign banks and other foreign entities reported lending activities amounting to the aggregate of 46.1 billion dinars or 25.2% of the overall lending activities in the banking sector.

While the maturity structure of loans extended by domestic banks was more or less equal, with foreign banks the amount of short-term lending exceeded by 10 times their long-term loans, and short-term foreign currency loans and advances (19.5 billion dinars), mostly to foreign banks (15.1 billion dinars), accounted for 42.4% of overall lending reported by foreign banks.

|            |   |  | In milli                                  | on dinars |
|------------|---|--|---|-----------|
| LOANS      | Banks<br>majority<br>controlled by<br>foreign banks | Banks<br>majority<br>owned by<br>other foreign<br>entities | TOTAL<br>FOREIGN<br>BANKS<br>31 Dec. 2002 | _%_       |
|            |   |  |   |           |
| Short-term | 16.473  | 25.989   | 42.462                                    | 92,1      |
| - Dinar    | 3.795   | 19.116   | 22.911                                    | 49,7      |
| - FX       | 12.678  | 6.873  | 19.551                                    | 42,4      |
| Long-term  | 1.071   | 2.577  | 3.648                                     | 7,9       |
| - Dinar    | 703   | 2.259  | 2.962                                     | 6,4       |
| - FX       | 368   | 318  | 686                                       | 1,5       |
| TOTAL      | 17.544  | 28.566   | 46.110                                    | 100,0     |

The ratio of extended loans to received deposits was 67.7% and 129.6% with foreign and domestic banks respectively.

Although every fourth dinar of overall loans was reported by foreign banks, they accounted for no more than 5.1% of claims due and 2.2% of provisions for short-term lending. The fact speaks for much higher recoverability ratio achieved by these banks.

| LOANS   | Banks<br>majority<br>controlled<br>by foreign<br>banks | Banks<br>majority<br>owned by<br>other foreign<br>entities | TOTAL<br>FOREIGN<br>BANKS<br>31 Dec. 2002 |
|---|--|--|---|
| Short-term loans and advances Claims due TOTAL                  | 15,904   | 23,766   | 39,670                                    |
|   | 51   | 1,082  | 1,133                                     |
|   | 15,955   | 24,848   | 40,803                                    |
| Current maturities under long-term loans TOTAL Provisions TOTAL | 520  | 1,544  | 2,064                                     |
|   | 16,475   | 26,392   | 42,867                                    |
|   | 2  | 403  | 405                                       |
|   | 16,473   | 25,989   | 42,462                                    |



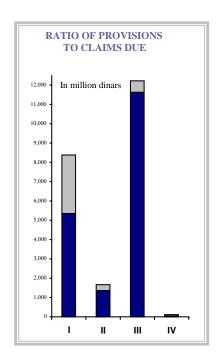
The increased percentage of short- and long-term loans (and the total interest-bearing assets) in 2002 relative to 2001, from 39,6% to 57.7%, primarily resulted from lending activities of the largest banks. They accounted for 59.8% and 59.0% of the aggregate short- and long-term loans respectively.

In million dinars **LOANS** Ī Ш Ш I۷ 18,852 22,441 Short-term 63,405 1,289 41,587 12,010 16,227 1,257 - Dinar - FX 21,818 6,214 6,842 32 277 Long-term 45,301 25,844 5,348 - Dinar 13,113 3,264 2,716 152 - FX 32,188 22,580 2,632 125 TOTAL 108.706 44.696 27,789 1,566

Four banks belonging to this group alone absorbed 65% of the overall increase reported in short-term lending activities of the banking sector. Long-term loans provided by banks in Group I rose by 15.8 billion dinars and accounted for 57% of the overall increase reported in long-term lending. Considerable increase was also achieved by banks belonging to Group II (which reported 22.6 billion of long-term foreign currency loans), partly due to the transfers of the Paris Club and London Club claims.

In terms of recoverability, claims due accounted for 9.5% of short-term loans with banks belonging to Groups II and IV, for 14.8% with banks in Group I, and for 61.6% with those in Group III. The highest ratio of provisions to claims due (95.2%) was also reported for banks belonging to the latter group as one of them had allocated provisions for foreign currency claims due from foreign entities amounting to 9.5 billion dinars. The ratio of provisions to claims due was 63.9% with Group I, 81.9% with Group II, and 39.5% with Group IV.

Reclassified balance sheet, in terms of assets reported as of December 31, 2002, is shown in the table below for banks divided by the volume of their balance sheets.



# Banking Supervision Department

#### STRUCTURE OF ASSETS

#### In million of dinars

|   | GROU    | GROUP I |        | GROUP II GROUP II |        | P III | 'III GROUP IV |       | TOTAL   |       |
|---|---------|---------|--------|-------------------|--------|-------|---------------|-------|---------|-------|
|   |         | %       |        | %                 |        | %     |               | %     |         | %     |
| Cash and cash equivalents                   | 12,740  | 7.5     | 12,222 | 15.5              | 13,756 | 21.1  | 439           | 12.5  | 39,157  | 12.4  |
| Balances with NBS and short-term securities | 25,473  | 15.1    | 8,113  | 10.3              | 10,306 | 15.9  | 514           | 14.6  | 44,406  | 14.0  |
| Short-term loans and advances               | 63,405  | 37.5    | 18,852 | 23.8              | 22,441 | 34.5  | 1,289         | 36.6  | 105,987 | 33.5  |
| Short-term securities and other investments | 2,484   | 1.5     | 1,430  | 1.8               | 3,559  | 5.5   | 22            | 0.6   | 7,495   | 2.4   |
| Securities and other investments            | 487     | 0.3     | 238    | 0.3               | 746    | 1.1   | 45            | 1.3   | 1,516   | 0.5   |
| Other and non-operating assets              | 4,357   | 2.6     | 3,965  | 5.0               | 1,926  | 3.0   | 202           | 5.7   | 10,450  | 3.3   |
| Long-term loans and advances                | 45,300  | 26.8    | 25,845 | 32.7              | 5,348  | 8.2   | 277           | 7.8   | 76,770  | 24.2  |
| Long-term securities                        | 1,395   | 0.8     | 1,847  | 2.3               | 968    | 1.5   | 22            | 0.6   | 4,232   | 1.3   |
| Equity shares                               | 2,218   | 1.3     | 1,563  | 2.0               | 1,302  | 2.0   | 219           | 6.2   | 5,302   | 1.7   |
| Fixed assets                                | 11,071  | 6.6     | 5,014  | 6.3               | 4,680  | 7.2   | 498           | 14.1  | 21,263  | 6.7   |
| TOTAL ASSETS                                | 168,930 | 100.0   | 79,089 | 100.0             | 65,032 | 100.0 | 3,527         | 100.0 | 316,578 | 100.0 |



The maturity structure of assets and liabilities reflected adequate balance of accounts reported by banks as of December 31, 2002.

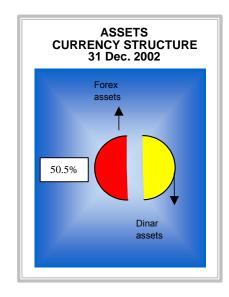
Foreign exchange position within liabilities and assets decreased by 47.2 billion dinars and 29.7 billion dinars respectively.

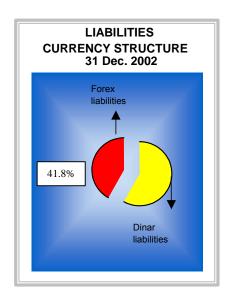
| _           |                                  |         | In million dinar |
|-------------|----------------------------------|---------|------------------|
|             |                                  | 31 Dec. | 31 Dec.          |
|             |                                  | 2002    | 2001             |
| LIABILITIES | Short-term liabilities           | 184,445 | 107,514          |
|             | Long-term liabilities and equity | 132,133 | 183,946          |
|             | TOTAL:                           | 316,578 | 291,460          |
| ASSETS      | Short-term claims                | 209,011 | 148,803          |
|             | Long-term claims                 | 107,567 | 142,657          |
|             | TOTAL:                           | 316,578 | 291,460          |

Foreign exchange and dinar positions were accounted for on the basis of reclassified balance sheets of banks.

In million dinars 31 Dec. 2001 31 Dec. 2002 LIABILITIES Forex position 132.477 179.650 % of liabilities 41.8 61.6 **ASSETS** Forex position 159,891 189,560 % of assets 50.5

Transfers of liabilities and claims based on frozen foreign currency savings and conversion of liabilities related to the Paris Club and London Club creditors into the share capital translated to dinars pointed to the considerably increased foreign exchange position in real terms although it decreased in terms of reported data. Within liabilities, this was the result of the increase in foreign currency deposits by 34.2 billion dinars and additionally transferred 10.3 billion dinars of the Paris Club and London Club liabilities. Within assets, foreign currency loans and advances rose by 20.0 billion dinars (with 50% of the amount on the same basis), balances with the NBS increased by 22.4 billion dinars, and foreign exchange cash dropped by 3.8 billion dinars.







#### **III QUALITY OF ASSETS**

Aggregately classified balance sheet assets and off-balance sheet positions by degree of recoverability, including all banks as of December 31, 2002 showed that, within the overall (on- and off-balance sheet) amount of 519,907 million dinars, 45.4% or 235,936 million dinars were classified, with non-classified 283,971 million dinars or 54.6%. Classified positions accounted for 184,699 million dinars or 58.3% of balance sheet assets, and for 25.2% or 51,237 million dinars of off-balance sheet items.

The table below contains the most significant positions of classified assets.

|          |                     |           |                    |           |                    |           | In milli                  | on dinars     |
|----------|---------------------|-----------|--------------------|-----------|--------------------|-----------|---------------------------|---------------|
| Category | Short-term<br>loans | <b></b> % | Long-term<br>loans | <b></b> % | Payment guarantees | <b></b> % | Performance<br>guarantees | <del></del> % |
|          |                     |           |                    |           |                    |           |                           |               |
| Α        | 59,847              | 73.6      | 36,399             | 49.7      | 18,606             | 68.0      | 11,029                    | 75.0          |
| В        | 10,529              | 13.0      | 6,627              | 9.0       | 5,556              | 20.3      | 1,465                     | 10.0          |
| С        | 5,238               | 6.4       | 5,592              | 7.6       | 354                | 1.3       | 342                       | 2.3           |
| D        | 4,483               | 5.5       | 17,407             | 23.8      | 2,068              | 7.6       | 1,397                     | 9.5           |
| E        | 1,248               | 1.5       | 7,240              | 9.9       | 762                | 2.8       | 480                       | 3.2           |
| Total    | 81,345              | 100.0     | 73,265             | 100.0     | 27,346             | 100.0     | 14,713                    | 100.0         |

In late July, 2002 the National Bank of Serbia issued a new Decision on Classification of Onbalance Sheet Assets and Offbalance Sheet Items According to the Level of Recoverability and Level of Specific Provisions of Banks and Other Financial Organizations (applicable as from September 1, 2002).

Within the total classified short-term loans, non-performing loans accounted for 13.5% (classified in C, D and E categories); with long-term loans the percentage was much higher (41.3%). As for guarantees, 11.7% of payment guarantees and 15% of performance guarantees were classified in the three lowest categories.

By respective regulations issued in late July, 2002 qualitative and quantitative criteria for classification of assets were tightened, the items deductible from the accounting base for specific provisions were established, and the rates for allocation of specific provisions were changed.

Consequently, the aggregate amount of classifiable balance sheet assets and off-balance sheet positions was reduced by deductibles of 33,553 million dinars.

The major deductible items include: 50% of balance sheet claims secured by mortgage on property (43.7% of aggregate deductibles); 50% of the amount of performance guarantees (19.6%); and cash deposits used as security against claims (15.4%).



Assets of the banking sector in terms of classification by degree of recoverability as of December 31, 2002 are shown in the table below:

In million dinars 31 Dec. Allocated 31 Dec. Allocated 2002 2001 % 127,886 2 2,558 151,741 0 В 25,336 5 1,267 30,766 n n C 10,218 25 2,555 10,033 50 5,016 D 13,370 26,739 50 3,080 75 2,310 Ε 12,204 100 12,204 13,281 100 13,281 Total 202,383 31,952 208,901 20,607

Bad assets (classified in C, D and E categories) amounted to 49,161 million dinars and made 24.3% of the total classified assets. Compared to December 31, 2002 these asses increased by 22,767 million dinars or 86.3% in absolute terms, whereas in real terms their share in the total classified

Consequently, the ratio of bad assets to the aggregate amount of balance sheet assets and off-balance sheet positions increased from 6.9% in 2001 to 9.5% at the end of 2002<sup>2</sup>, while the share of potential losses relative to capital rose from 50.3% to 51.4%.

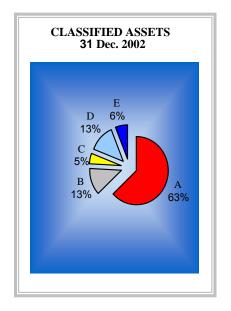
assets rose from 12.6% to 24.3%.

With two banks, the ratio of bad assets to the total balance sheet assets and off-balance sheet positions exceeded 60%.

In 2002 potential losses of the banking sector increased by 11,345 million dinars or 55.1% compared to 2001.

Three banks which reported the highest amounts of potential losses accounted for 59.3% of the aggregate potential losses of the banking sector.

In 2001 claims related to the Paris Club and Paris Club creditors were not classified by required criteria, but were reported within the positions classified in A category; in late 2002 banks were already required to fairly report these claims in terms of recoverability.



<sup>&</sup>lt;sup>2</sup> In the reviewed European countries the ratio of bad assets to the total assets ranged non-ologous Romania to 25.5% in Slovakia.



The quality of assets, as reported by banks divided in groups, showed that the largest banks accounted for 57% of both the total classifiable assets and total potential losses; the same applied to the smallest banks, with the respective percentage of 1%. Group II was less successful as these banks shared with 25% and 30% in the total classifiable assets and potential losses respectively; Group III performed better (17% of the total classifiable assets, and 12% of potential losses).

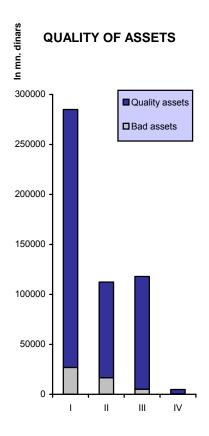
The ratio of bad assets to classifiable assets ranged from 14.5% with Group III to 33.2% with banks belonging to Group II.

The smallest banks reported the most adequate coverage of potential losses, with potential losses accounting for 13.1% of capital, whereas with banks in Group II the same ratio was 71.1%

Six banks absorbed 74.8% of the total potential losses reported in the banking sector.

#### **QUALITY OF ASSETS**

In million dinars





# Banking Supervision Department

| Category       | TOTAL   | %     | Group I | %     | Group II | %     | Group III | %     | Group IV | %     |
|----------------|---------|-------|---------|-------|----------|-------|-----------|-------|----------|-------|
|                |         |       |         |       |          |       |           |       |          |       |
| Α              | 127,886 | 63.2  | 70,405  | 61.2  | 29,910   | 59.6  | 26,232    | 74.6  | 1,339    | 66.3  |
| В              | 25,336  | 12.5  | 17,650  | 15.4  | 3,629    | 7.2   | 3,831     | 10.9  | 226      | 11.2  |
| С              | 10,218  | 5.1   | 7,366   | 6.4   | 1,743    | 3.5   | 960       | 2.7   | 149      | 7.4   |
| D<br>E         | 26,739  | 13.2  | 11,026  | 9.6   | 12,922   | 25.7  | 2,575     | 7.3   | 216      | 10.7  |
| E              | 12,204  | 6.0   | 8,546   | 7.4   | 2,013    | 4.0   | 1,555     | 4.4   | 90       | 4.5   |
|                |         |       |         |       |          |       | _         |       |          |       |
| TOTAL          | 202,383 | 100.0 | 114,993 | 100.0 | 50,217   | 100.0 | 35,153    | 100.0 | 2,020    | 100.0 |
|                |         |       |         |       |          |       |           |       |          |       |
| Potential      | 31,952  |       | 18,191  |       | 9,689    |       | 3,798     |       | 274      |       |
| losses         |         |       |         |       |          |       |           |       |          |       |
| Dedte          | 40.404  | _     |         | _     | 40.000   |       |           |       |          | _     |
| Bad assets     | 49,161  |       | 26,938  |       | 16,678   |       | 5,090     |       | 455      |       |
| Ded seeds      |         |       | L       |       | _        |       |           | _     |          |       |
| Bad assets/    | 9.5     |       | 9.5     |       | 14.8     |       | 4.3       |       | 9.5      |       |
| total assets   |         |       |         |       |          |       |           |       |          |       |
| Potential      | _       | -     |         | _     |          |       |           |       |          |       |
| losses/capital | 51.4    |       | 61.1    |       | 71.1     |       | 22.9      |       | 13.1     |       |



#### IV INCOME STATEMENT

#### 1. Financial Performance

For the period January 1 – December 12, 2002 banks reported a negative net **financial result** (total profit less total loss) amounting to 27,408 million dinars.

| In million dinars         |         |                 |         |                 |  |  |  |  |
|---------------------------|---------|-----------------|---------|-----------------|--|--|--|--|
|                           | 31 Dec  | c. 2002         | 31 Dec  | 2001            |  |  |  |  |
|                           | Amount  | Number of banks | Amount  | Number of banks |  |  |  |  |
| 1. LOSS                   | 28,318  | 23              | 11,198  | 19              |  |  |  |  |
| 2. PROFIT                 | 910     | 26              | 675     | 30              |  |  |  |  |
| FINANCIAL<br>RESULT (2-1) | -27,408 | 49              | -10,523 | 49              |  |  |  |  |

45000 - Loss Profit 35000 - 25000 - 15000 - 10000 - 5000 - 2001 2002

**FINANCIAL RESULT** 

In the period January 1 – December 12, 2002, there were 23 banks out of the total number of banks that reported loss in operation. The aggregate reported loss amounted to 28,318 million dinars, with one bank accounting for nearly a half of the amount (approximately 44%).

Both in 2001 and 2002 there were 14 banks which reported loss or profit in operation, while most of the remaining banks reported less successful financial results.

The aggregate positive financial result amounting to 910 million dinars was reported by 19 banks. Three banks accounted for over 62.4% of reported profit, whereas 7 banks reported more or less equal income and expenses.

Income reported by the banking sector in 2002 shared with 5.78% in the GDP, and amounted to EUR 119.7 per capita.

The data for 2001 reported for the Central and East European countries in the process of joining the EU showed that the ratio of income generated by the banking sector to the GDP ranged from 2.9% (Bulgaria) to 4.0% (Czech Republic), with the income per capita ranging from EUR 57.0 (Bulgaria) to EUR 395.9 in Slovenia.



#### 2. Structure of Income and Expenses

The aggregate reclassified income statement of banks for the period January 1 – December 31, 2002 showed that the major positions in the **structure of income and expenses** were covered by interest income and reversed provisions, i.e. non-operating expenses and provisions.

| ı | n | mil | lion | dina | ars |
|---|---|-----|------|------|-----|
|   |   |     |      |      |     |

|   |              | in million amars |
|---|--------------|------------------|
|   | 31 Dec. 2002 | 31 Dec. 2001     |
|   |              |                  |
| Interest income                               | 19,232       | 13,052           |
| Interest expenses                             | 5,157        | 3,349            |
| Interest income, net                          | 14,075       | 9,703            |
| Fee and commission income                     | 9,805        | 4,735            |
| Fee and commission expenses                   | 3,355        | 1,151            |
| Fee and commission income, net                | 6,450        | 3,584            |
| Interest, fee and commission net income       | 20,525       | 13,287           |
| Other financial income, net                   | 630          | 1,829            |
| Profit from financial operation               | 21,155       | 15,116           |
| Operating expenses, net                       | -15,952      | -8,269           |
| Provision income/expenses, net                | -4,840       | -9,472           |
| Non-operating and extraordinary expenses, net | -27,594      | -7,743           |
| Taxes and contributions from profit           | -177         | -156             |
| Loss, net                                     | -27,408      | -10,524          |

Index of growth reported for interest income was 147, i.e. it increased by 6,180 million dinars.

As shown in the aggregate reclassified income statement of all banks, 49.9% of total income reported for 2002 resulted from interest, fees and commissions (29,037 million dinars). Corporate clients and banks accounted for the largest portion of interest income, 57.7% and 18.3% respectively. Within interest expenses, the most significant share was absorbed by retail clients (46.9%) and banks (19,9%).

Nearly one third of the total income reported by banks in this period resulted from reversed provisions, mostly based on indirectly written-off loans and long-term risk provisions, as well as specific provisions. One bank alone reported 9,606 million dinars of income generated in this manner, or 61.8% of the aggregate income of the banking sector resulting from unused reversed provisions. The amount accounted for 83.9% of the total income reported by this bank.

The highest increase in absolute terms was reported with income from reversed provisions (9,733 million dinars); the same income position also recorded the highest index of growth (262) relative to other types of income reported by the banking sector.



Non-operating and extraordinary income shared with 18.2% in the total income reported by the banking sector in 2002, with 92.2% absorbed by other non-operating and extraordinary income (subsequently established income from previous years; reduced liabilities; surpluses; income from disposal of fixed assets).

In 2002 fee and commission income rose by 107%, with every sixth dinar of banking income generated by fees and commissions.

| In million dinars                      |         |        |         |        |  |  |  |  |
|--|---------|--------|---------|--------|--|--|--|--|
|  | 31 Dec  | . 2002 | 31 Dec  | . 2001 |  |  |  |  |
|  |         | %      |         | %      |  |  |  |  |
| INCOME                                 |         | _      |         |        |  |  |  |  |
| Interest                               | 19,232  | 33.1   | 13,052  | 39.2   |  |  |  |  |
| Fees and commission                    | 9,805   | 16.8   | 4,735   | 14.2   |  |  |  |  |
| Other financial income                 | 2,400   | 4.1    | 2,555   | 7.7    |  |  |  |  |
| Operating income                       | 428     | 0.7    | 273     | 0.8    |  |  |  |  |
| Reversed provisions                    | 15,748  | 27.1   | 6,015   | 18.0   |  |  |  |  |
| Non-operating and extraordinary income | 10,568  | 18.2   | 6,702   | 20.1   |  |  |  |  |
| TOTAL                                  | 58,181  | 100.0  | 33,332  | 100.0  |  |  |  |  |
| EXPENSES<br>Interest                   | 5,157   | 6.0    | 3,349   | 7.7    |  |  |  |  |
| Fees and commissions                   | 3,355   | 3.9    | 1,151   | 2.6    |  |  |  |  |
| Other financial                        | 1,770   | 2.1    | 726     | 1.7    |  |  |  |  |
| expenses                               |         |        |         |        |  |  |  |  |
| Operating expenses                     | 16,380  | 19.2   | 8,542   | 19.5   |  |  |  |  |
| Provisions                             | 20,588  | 24.1   | 15,487  | 35.4   |  |  |  |  |
| Non-operating and                      | 38,162  | 44.7   | 14,445  | 33.1   |  |  |  |  |
| extraordinary expenses                 |         |        |         |        |  |  |  |  |
| TOTAL                                  | 85,412  | 100.0  | 43,700  | 100.0  |  |  |  |  |
| Taxes and contributions                | 177     | _      | 156     |        |  |  |  |  |
| Financial result                       | -27,408 |        | -10,524 |        |  |  |  |  |

Two banks absorbed 66.7% of the aggregate expenses for provisions, and 48.1% of the total non-operating and extraordinary expenses.

Within the total expenses, the most significant portion was absorbed by non-operating and extraordinary expenses amounting to 38,162 million dinars (44.7% of the total expenses). The highest amount within these expenses related to other non-operating and extraordinary expenses of 19,595 million dinars (subsequently established expenses; deficits; loss on disposal of fixed assets, other). Unrecoverable claims written-off were reported at 3,929 million dinars, and expenses for indirect write-offs amounted to 14,591 million dinars.

Index of growth reported for nonoperating and extraordinary in 2002 expenses was 264.



Provisions accounted for 24.1% or 20,588 million dinars of the total expenses, with provisions for long-term risks amounting to 18,866 million dinars. Within the latter amount, provisions for outstanding long-term loans absorbed 9,174 million dinars, while the amount of 8,511 million dinars related to specific provisions, i.e. assets classified by degree of recoverability.

Operating expenses of 16,380 million dinars (accounting for 19.2%) consisted of net salaries, taxes and contributions (36%) and other operating costs (64%). In 2002 the ratio of net operating expenses to net income from fees and commissions was less successful. Relative to 2001, with operating expenses covered by net income from fees and commissions at the rate of 32%, the ratio reported in 2002 was 78%.

| RATIOS   | 31 Dec. 2002<br>% | 31 Dec. 2001<br>% |
|--|-------------------|-------------------|
| Interest, fee and commission income / total income               | 49.9              | 53.4              |
| Interest, fee and commission income / total assets               | 5.6               | 4.7               |
| Interest, fee and commission expenses / total expenses           | 9.9               | 10.3              |
| Interest, fee and commission expenses / total liabilities        | 1.6               | 1.2               |
| Operating expenses / total expenses                              | 19.2              | 19.5              |
| Net operating expenses / net interest, fee and commission income | 77.7              | 62.2              |
| Net loss / share capital   | -34.5             | -26.0             |

Weighted lending interest rates of commercial banks ranged from 4.6% in January to 2.4% in December, 2001 and continued declining in 2002 (from 2.4% in January to 1.5% in December).

Compared to 2001, the share of interest, fee and commission income in the overall income reported by the banking sector decreased from 53.4% to 49.9%. In addition to the declining interest rates, one of the reasons related to the considerably increased income resulting from reversed provisions (index 262).



However, relative to the total (on- and off-balance sheet) assets, the income generated by interest, fees and commissions income rose from 4.7% to 5.6% due to the lower rate of growth reported in balance sheet assets (index 109) than in interest, fee and commission income (index 163). This confirms that the risk-bearing assets of banks increased, both with respect to the transferred claims due from the FRY on account of frozen foreign currency deposits, and the intensified lending activity in 2002.

In 2002 the ratio of net operating expenses to net interest, fee and commission income was less successful due to the 91.8% increase in operating expenses.

The structure of income and expenses with banks grouped by the volume of their balance sheets shows that:

- Banks belonging to Group I performed with negative financial results (after tax) amounting to 18,758 million dinars or 68.4% of the aggregate financial result reported in 2002. Out of the total provisions in the banking sector, both within income and expenses, 80% was reported in income statements of these banks. The highest item of reported expenses were non-operating and extraordinary expenses (accounting for 43.9% of the total expenses of banks belonging to this group) which absorbed 68.1% of expenses for indirect write-offs of loans reported by all banks or 60.5% of the aggregate other non-operating and extraordinary expenses.
- Banks belonging to Group II performed with negative financial results (after tax) amounting to 6,684 million dinars or 24.4% of the aggregate financial result reported in 2002. These banks reported an above-average ratio of interest, fee and commission income to their total income (58.7% of the total income compared to 49.9% reported by the banking sector as a whole). Non-operating and extraordinary expenses absorbed the most significant portion of expenses (52.9% of the aggregate expenses reported by this group) which accounted for 59.8% of expenses based on write-offs of unrecoverable claims reported by all banks.
- Banks belonging to Group II performed with negative financial results (after tax) amounting to 1,843 million dinars or 6.7% of the aggregate financial result reported in 2002. With these banks, income from interest, fees and commissions was also significant (60.9% of the total income). Operating expenses in this group accounted for 30.7% of the total expenses and exceeded the average of 19.2% reported by the banking sector.

| RATIOS  | 1     | П     | Ш     | IV   |
|---|-------|-------|-------|------|
| Interest, fee and commission income / total income          | 43.5  | 58.7  | 60.8  | 34.5 |
| Interest, fee and commission income / total assets          | 8.2   | 8.8   | 10.9  | 10.3 |
| Interest, fee and commission expenses / total expenses      | 8.1   | 13.9  | 12.5  | 4.7  |
| Interest, fee and commission expenses / total liabilities   | 2.4   | 3.2   | 2.6   | 2.1  |
| Operating<br>expenses /<br>total expenses<br>Net operating  | 15.7  | 20.7  | 30.7  | 20.2 |
| expenses /<br>net interest, fee<br>and commission<br>income | 77.5  | 83.3  | 73.6  | 76.9 |
| Net loss /<br>share capital                                 | -49.1 | -30.2 | -10.8 | -6.2 |



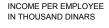
- Banks belonging to Group IV performed with negative financial results (after tax) amounting to 123 million dinars. The most significant position in the total income were reversed provisions (41.6%), with non-operating and extraordinary expenses prevailing within the total expenses (56.9%).

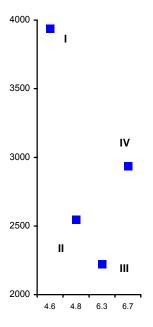
| RATIOS  | 1     | II    | Ш     | IV    | ALL<br>BANKS |
|---|-------|-------|-------|-------|--------------|
| Total income per employee                       | 3,940 | 2,546 | 2,222 | 2,936 | 3,097        |
| Operating expenses per employee                 | 959   | 823   | 787   | 662   | 872          |
| Non-interest income / total income              | 69.8  | 66.3  | 58.7  | 73.3  | 66.9         |
| Fee and commission income / total income        | 13.3  | 25.0  | 19.6  | 7.8   | 16.8         |
| Operating expenses / total balance sheet assets | 4.6   | 4.8   | 6.3   | 6.7   | 5.0          |
| Operating expenses / total deposits             | 8.3   | 10.5  | 10.9  | 33.1  | 9.4          |

The largest banks reported the highest income per employee in spite of the large number of staff. The income per employee with these banks reached 19.8 billion dinars, as opposed to 9.8 billion dinars with the smallest banks. Another reason was a considerable share of reversed provisions reported by the largest banks (37.6% of the total income).

Although operating expenses of the largest banks absorbed the lowest portion of their total expenses (15.7%), these banks reported the highest operating expenses per employee. However, relative to the total balance sheet assets and total deposits, their operating expenses absorbed the lowest share.

Medium-sized banks mostly relied on their interest, fee and commission income.





OPERATING EXPENSES / BALANCE SHEET ASSETS

The smallest banks recorded the highest ratio of operating expenses to the total deposits, as their sources primarily relied on capital (59.8% of the total liabilities). These banks reported 2.0 billion dinars of deposits per employee compared to the largest banks where the ratio reached 11.5 billion dinars.



#### STRUCTURE OF INCOME AND EXPENSES BY GROUPS OF BANKS

#### In million dinars

|   | GROU   | ΡI  | GROL   | JP II                                      | GROU  | IP III                                    | GROU                                | P IV                                       | TOTA  | \L  |
|---|--|---|--|--|---|---|-------------------------------------|--|---|---|
|   |  | %   |  | %  |   | %   |                                     | %  |   | %   |
| INCOME  |  |   |  |  |   |   |                                     |  |   |   |
| Interest  | 10,151   | 30.2                                      | 3,999  | 33.7                                       | 4,800   | 41.3                                      | 282                                 | 26.7                                       | 19,232  | 33.1  |
| Fees and commissions Other financial income Operating income Reversed provisions Non-operating and extraordinary income TOTAL | 4,488<br>903<br>102<br>12,640<br>5,361<br>33,645   | 13.3<br>2.7<br>0.3<br>37.6<br>15.9        | 2,960<br>449<br>175<br>723<br>3,544<br>11,850    | 25.0<br>3.8<br>1.5<br>6.1<br>29.9<br>100.0 | 2,275<br>1,040<br>150<br>1,946<br>1,421<br>11,632 | 19.6<br>8.9<br>1.3<br>16.7<br>12.2        | 82<br>8<br>1<br>439<br>242<br>1,054 | 7.8<br>0.7<br>0.1<br>41.6<br>22.9<br>100.0 | 9,805<br>2,400<br>428<br>15,748<br>10,568<br>58,181   | 16.8<br>4.1<br>0.7<br>27.1<br>18.2<br>100.0 |
| EXPENSES  |  |   |  |  |   |   |                                     |  |   |   |
| Interest Fees and commissions Other financial expenses Operating expenses Provisions Non-operating and extraordinary expenses | 3,001<br>1,206<br>441<br>8,188<br>16,508<br>22,953 | 5.7<br>2.3<br>0.8<br>15.7<br>31.6<br>43.9 | 1,084<br>1,485<br>219<br>3,832<br>2,096<br>9,792 | 5.9<br>8.0<br>1.2<br>20.7<br>11.3<br>52.9  | 1,035<br>645<br>1,107<br>4,122<br>1,774<br>4,747  | 7.7<br>4.8<br>8.2<br>30.7<br>13.2<br>35.4 | 37<br>19<br>3<br>238<br>210         | 3.1<br>1.6<br>0.3<br>20.2<br>17.8<br>56.9  | 5,157<br>3,355<br>1,770<br>16,380<br>20,588<br>38,162 | 6.0<br>3.9<br>2.1<br>19.2<br>24.1<br>44.7   |
| TOTAL Taxes and contributions   | 52,297<br>106                                      | 100.0                                     | 18,508<br>26                                     | 100.0                                      | 13,430<br>45                                      | 100.0                                     | 1,177<br>0                          | 100.0                                      | 85,412<br>177   | 100.0                                       |
| Financial result  | (18,758)   |   | (6,684)  |  | (1,843)   |   | (123)                               |  | -27,408   |   |



#### V. REPORTED OPERATING RATIOS

In late July the National Bank of Serbia issued a new Decision on Detailed Requirement in Implementing Articles 26 and 27 of the Law on Banks and Other Financial Organizations providing for different structure of capital of banks, and defined values and range of operating ratios which differed from those applied before.

The aggregate statement of reported operating ratios, as required by Articles 26 and 27 of the Law on Banks, shows that as of December 31, 2002 banks generally brought their operation in compliance with the requirements in terms of capital adequacy and liquidity, with a number of banks facing problems with the ratios related to investments in fixed assets and foreign exchange risk (7), and with the ratios associated with the large and largest permissible loans (5).

The minimum 8% capital adequacy requirement was not complied with by two banks, both in the process of rehabilitation.

| OPERATING RATIOS                                    | NUMBER OF<br>NON-COMPLYING<br>BANKS |
|---|-------------------------------------|
| CAPITAL ADEQUACY (min. 8%)                          | 2                                   |
| LARGE AND LARGEST PERMISSIBLE LOANS (max. 400%)     | 5                                   |
| INVESTMENTS IN FIXED ASSETS (max.60%)               | 7                                   |
| LIQUIDITY RATIO <sup>3</sup> (min.1)                | 2                                   |
| FOREIGN EXCHANGE RISK RATIO <sup>4</sup> (max. 30%) | 7                                   |

For the banking sector taken as a whole, operating ratios were reported as shown in the table below.

<sup>&</sup>lt;sup>3</sup> Monthly

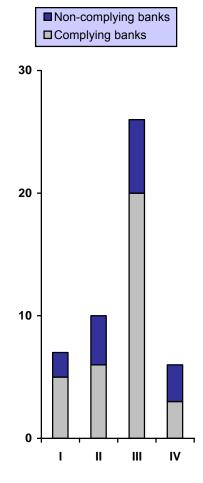
<sup>&</sup>lt;sup>4</sup> As of December 31, 2002



| OPERATING RATIOS                                    | ALL BANKS<br>% |
|---|----------------|
| CAPITAL ADEQUACY (min. 8%)                          | 30.6           |
| LARGE AND LARGEST PERMISSIBLE LOANS (max. 400%)     | 156.9          |
| INVESTMENTS IN FIXED ASSETS (max.60%)               | 37.4           |
| LIQUIDITY RATIO <sup>5</sup> (min.1)                | 2.92           |
| FOREIGN EXCHANGE RISK RATIO <sup>6</sup> (max. 30%) | 23.76          |

The requirement to have a minimum of 60% provided as the monetary portion of equity (the equivalent of EUR 6 million out of the total of EUR 10 million) until December 31, 2002 was not complied with by six banks, three of which were in the process of rehabilitation.

Out of 49 banks, 34 brought their operation in line with the required ratios, 9 banks failed to comply with one of the ratios, 3 banks did not meet 2 ratio requirements, 2 banks (both under rehabilitation) failed to comply with 4 ratios, and one bank in the process of rehabilitation did not fulfill any of the required ratios.



<sup>&</sup>lt;sup>5</sup> Monthly

<sup>&</sup>lt;sup>6</sup> As of December 31, 2002