Foreign exchange reserves

November 2013

Management of Norges Bank's foreign exchange reserves

Report for third quarter 2013

Main points in 2013 Q3

- The market value of Norges Bank's foreign exchange reserves at the end of Q3 was NOK 329.2bn, or SDR 35.6bn. Reserves were invested in short-term fixed income instruments (20 percent), long-term fixed income instruments (47 percent) and equities (33 percent).
- The return on the foreign exchange reserves, measured in international currency, was 2.7 percent in 2013 Q3. The return on equity investments was 6.7 percent, the return on long-term fixed-income investments was 0.5 percent, and the return on short-term fixed-income investments was approximately zero.
- The volatility in the value of the foreign exchange reserves, including movements in the krone exchange rate is equal to NOK 24bn in annual fluctuations. This means that the annual variation in the portfolio's market value is expected to be within the interval of +/- NOK 24bn in two out of three years.

Part I: Management

Norges Bank's foreign exchange reserves shall be available for use as part of the conduct of monetary policy with a view to promoting financial stability and for meeting Norges Bank's international commitments to the IMF and individual countries. The reserves are divided into a long-term portfolio, a money market portfolio and a petroleum buffer portfolio. Norges Bank Investment Management (NBIM) manages the long-term portfolio, while the money market portfolio and petroleum buffer portfolio are managed by Norges Bank Markets and Banking Services.

The foreign exchange reserves shall be invested so that at least SDR 10bn, including the entire money market portfolio, can be used within a single trading day without having to realise any appreciable losses. The money market portfolio shall be between SDR 3.5bn and SDR 4.5bn and be invested in short-term fixed income instruments. The benchmark index for the money market portfolio is a composite of USD and EUR overnight money market indices and Treasury bill indices for the same currencies. The long-term portfolio shall be invested in equities and fixed income securities. The benchmark index for the long-term portfolio is a composite of global equity and bond indices. The equity allocation in the strategic benchmark index is 40 percent.

The purpose of the petroleum buffer portfolio is to ensure that the Government Pension Fund Global (GPFG) is provided with an adequate supply of fresh capital. Funds accumulate in the portfolio through transfers of foreign currencies from the State's Direct Financial Interest in petroleum activities (SDFI) and through foreign exchange purchases Norges Bank undertakes in the markets on the basis of the Ministry of Finance's monthly allocations to the GPFG. Funds are normally transferred each month. No benchmark index has been set for the petroleum buffer portfolio.

1 Market value

The market value of the foreign exchange reserves was NOK 329.2bn at the end of 2013 Q3. Equities and long-term fixed income investments totalled NOK 262.6bn, while money market investments and petroleum buffer portfolio came to NOK 37.6bn and NOK 29.0bn, respectively. Reserves increased by NOK 10.3bn during Q3, primarily owing to return on equities and long-term fixed income investments.

Chart 1a Size of the foreign exchange reserves. In billions of NOK¹ Money market portfolio Petrobuffer portfolio Equities and long-term fixed income investments

Table 1a Market value. In billions of NOK

| | 2013 Q3 | 2013 Q2 | 2013 Q1 | 2012 Q4 | 2012 Q3 |
|--|---------|---------|---------|---------|---------|
| | | | | | |
| Money market investments | 37.6 | 37.2 | 35.2 | 34.2 | 34.9 |
| Long-term fixed income investments | 153.9 | 148.6 | 131.5 | 128.2 | 131.1 |
| Equity investments | 108.7 | 104.9 | 112.2 | 99.2 | 99.0 |
| Petroleum buffer portfolio | 29.0 | 28.2 | 19.4 | 6.5 | 20.6 |
| Foreign exchange reserves | 329.2 | 318.9 | 298.3 | 268.0 | 285.6 |
| | | | | | |
| Total change during the quarter | 10.3 | 20.6 | 30.3 | -17.6 | -10.9 |
| Transfers during the quarter | 0.8 | 7.1 | 11.6 | -13.7 | -9.6 |
| Return during the quarter | 7.7 | 0.5 | 11.2 | 4.4 | 7.4 |
| Change owning to fluctuations in the NOK exchange rate | 1.8 | 13.0 | 7.5 | -8.3 | -8.7 |

¹ Note that for 2013, values are stated as at the end of Q3, while for the other years, values are stated as at 31 December. The petroleum buffer portfolio is normally reduced towards year-end.

2 Return

The return on the foreign exchange reserves, measured in international currency, was NOK 8bn, or 2.7 percent, in 2013 Q3.

The return on equities and long-term fixed income investments is compared with the return on global benchmark indices, which are based on indices from FTSE Group and Barclays Capital. The return on equity investments was 6.72 percent in 2013 Q3, which was 0.08 percentage point higher than the return on the benchmark index for equities. The return on long-term fixed income investments in the same period was 0.45 percent, which was 0.09 percentage point lower than the return on the benchmark index for bonds.

Money market investments earned a return in Q3 of 0.04 percent. The return is compared with the return on benchmark indices composed of USD and EUR overnight money market indices and Treasury bill indices for the same currencies. The return on money market investments was 0.01 percentage point higher than the return on the benchmark index in Q3. The low return must be viewed in the context of the liquidity requirements for the money market portfolio and to the restrictions in the portfolio's investment universe.

Table 2a Return measured in international currency. Percent

| | I | | | | |
|--|---------|---------|---------|---------|---------|
| | 2013 Q3 | 2013 Q2 | 2013 Q1 | 2012 Q4 | 2012 Q3 |
| Return: | | | | | |
| Money market investments | 0.04 | 0.02 | 0.05 | 0.03 | 0.03 |
| Long-term fixed income investments | 0.45 | -1.44 | 0.08 | 0.70 | 1.49 |
| Equity investments | 6.72 | 1.37 | 10.25 | 3.30 | 5.98 |
| Foreign exchange reserves ¹ | 2.66 | -0.09 | 3.95 | 1.58 | 2.93 |
| | | | | | |
| Return on benchmark indices: | | | | | |
| Money market investments | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 |
| Long-term fixed income investments | 0.54 | -1.51 | -0.05 | 0.59 | 1.30 |
| Equity investments | 6.64 | 1.15 | 10.24 | 3.25 | 5.94 |
| | | | | | |

Table2b Return measured in NOK terms. Percent

| | 2013 Q3 | 2013 Q2 | 2013 Q1 | 2012 Q4 | 2012 Q3 |
|--|---------|---------|---------|---------|---------|
| Money market investments | -0.44 | 4.74 | 4.48 | -2.16 | -3.32 |
| Long-term fixed income investments | 0.96 | 2.66 | 2.62 | -2.25 | -1.21 |
| Equity investments | 7.25 | 5.59 | 13.04 | 0.27 | 3.16 |
| Foreign exchange reserves ¹ | 3.06 | 4.14 | 6.82 | -1.30 | 0.09 |

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¹ Excluding the petroleum buffer portfolio.

The rate of return on the foreign exchange reserves (excluding the petroleum buffer portfolio) was 8.3 percent over the past four quarters. Over the past ten years, the annualised rate of return was 5.8 percent.

Table 2c Key figures as at 30 September 2013. Annualised. Measured in international currency

| | Past year | Past 3 years | Past 5 years ¹ | Past 10 years ¹ |
|---|-----------|--------------|---------------------------|-------------------------------|
| Foreign exchange reserves excluding the petroleum buffer portfolio: | , | ŕ | , | , |
| Gross annual return (percent) | 8.34 | 6.51 | 8.16 | 5.79 |
| Annual management costs (percent) | 0.04 | 0.04 | 0.06 | 0.06 |
| Money market investments: | | | | |
| Portfolio return (percent) | 0.14 | 0.28 | - | - |
| Benchmark return (percent) | 0.09 | 0.24 | - | - |
| Excess return (percentage points) | 0.05 | 0.04 | - | - |
| Realised absolute volatility (percent) ² | 0.04 | 0.09 | - | - |
| Realised relative volatility (percentage points) ² | 0.03 | 0.02 | - | - |
| Information rate (IR) ³ | 1.64 | 1.43 | - | - |
| Equities and long-term fixed income investments: | | | | |
| Portfolio return (percent) | 9.54 | 7.37 | 8.16 | 5.79 |
| Benchmark return (percent) | 8.69 | 6.74 | 7.13 | 5.55 |
| Excess return (percentage points) | 0.85 | 0.63 | 1.04 | 0.25 |
| Realised absolute volatility (percent) ² | 4.44 | 4.44 | 7.47 | 6.31 |
| Realised relative volatility (percentage points) ² | 0.22 | 0.50 | 1.36 | 1.07 |
| Information rate (IR) ³ | 3.95 | 1.27 | 0.76 | 0.23 |

¹ Pertains only to equities and long-term fixed income investments.

² Realised volatility is a measure of the fluctuation in monthly return values, expressed here by the annualised empirical standard deviation of monthly return series. Absolute/relative volatility expresses risk related to absolute/relative return.

³ IR is a risk-adjusted return measure. IR is the ratio between excess return and the portfolio's actual relative market risk (measured by relative volatility). IR shows the level of excess return achieved for each unit of risk.

Absolute return² **Chart 2a** Money market investments. Basis points

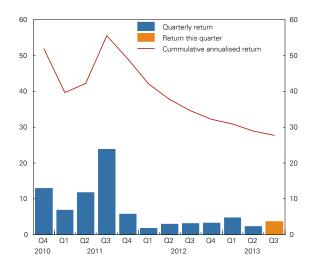
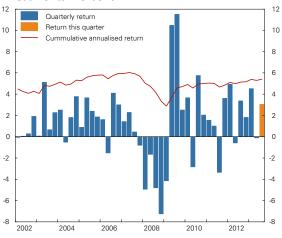


Chart 2b Equities and long-term fixed income investments. Percent



Relative return³ **Chart 2c** Money market investments. Basis points

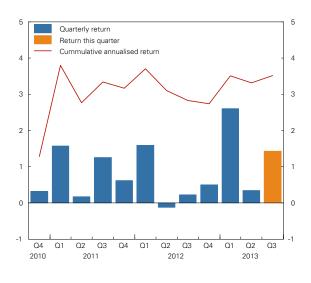
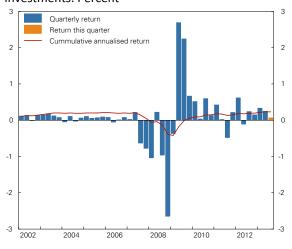


Chart 2d Equities and long-term fixed income investments. Percent



² Cumulative return values have been calculated from December 2010 for money market investments and from January 1998 for equities and long-term fixed income investments.

³ Cumulative excess return values have been calculated from December 2010 for money market investments and from January 1998 for equities and long-term fixed income investments.

3 Risk

Market risk is expressed here by a one standard deviation movement in market value. Expected absolute volatility is an indication of the amplitude of the variations in return that can be expected over a given period.

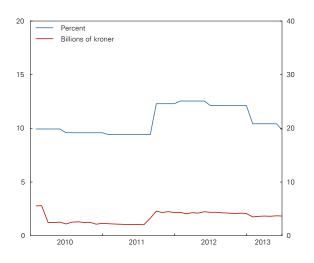
Including movements in the krone exchange rate, the expected absolute volatility was 7.8 percent for equities and long-term fixed income investments and 9.9 percent for money market investments in 2013 Q3. In NOK terms, this amounts to NOK 20.4bn for equities and long-term fixed income investments and NOK 3.6bn for money market investments. This means that the annual variation in the market value of the foreign exchange reserves is expected to be within the interval of +/- NOK 24bn in two out of three years.

The largest contributor to volatility is movements in the krone exchange rate relative to the currency invested in. Excluding the effect of movements in the krone exchange rate, and if volatility is estimated in international currency, the expected absolute volatility of money market investments is 0.1 percent.

Expected absolute volatility including movements in the krone exchange rate

Chart 3a Money market investments

Chart 3b Equities and long-term fixed income investments





Expected relative volatility (tracking error) indicates the extent to which the return on the actual portfolio can normally be expected to deviate from the return on the benchmark portfolio.⁴ At the end of Q3, the expected relatively volatility of equities and long-term fixed income investments was 15 basis points, and for money market investments it was 6 basis points.

Expected relative volatility. Foreign exchange reserves. Basis points **Chart 3c** Money market investments

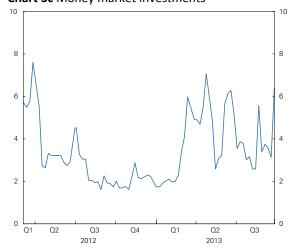


Chart 3d Equities and long-term fixed income investments

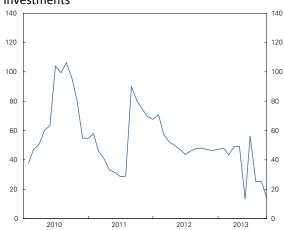
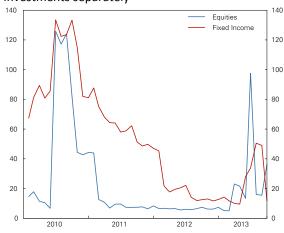


Chart 3e Equities and long-term fixed income investments separately



⁴ Under the guidelines for equities and long-term fixed income investments issued by the Governor, the aim of management is to limit relative volatility to no more than 1.0 percentage point (100 basis points). In the guidelines for the money market portfolio, a limit of 1.0 percentage point has been set for expected relative volatility. Relative volatility of 1 percentage point means that the excess return on the portfolio is expected to be within the interval +/- 1.0 percentage point in two out of three years.

Table 3a Key figures for risk and asset allocation, foreign exchange reserves

| Risk | Limits | | Actual | |
|---------------------|---|---------|---------|---------|
| | | 2013 Q3 | 2013 Q2 | 2013 Q1 |
| Money market inve | estments: | | | |
| Market risk | 1.0 percentage point expected relative volatility | 0.06 | 0.05 | 0.03 |
| Asset allocation | Cash | 14.81 | 16.41 | 16.65 |
| | Securities | 85.19 | 83.58 | 83.34 |
| Equities and long-t | erm fixed income investments: | | | |
| Market risk | 1.0 percentage point expected relative volatility | 0.15 | 0.56 | 0.49 |
| Asset allocation | Fixed income portfolio | 58.59 | 58.61 | 53.97 |
| | Equity portfolio | 41.41 | 41.39 | 46.03 |

The Bank's fixed income investments are highly rated. At the end of Q3, 99 percent was invested in government securities rated AA or higher.

Table 3b Foreign exchange reserves, fixed income investments, by credit rating. Percent¹

| | AAA | AA | Α | BBB | Lower | Total |
|-------------------------------|------|------|-----|-----|-------|-------|
| Treasury bills | 24.2 | 0.0 | 0.0 | 0.0 | 0.0 | 24.2 |
| Sovereign bonds | 43.6 | 31.4 | 0.0 | 0.0 | 0.0 | 75.0 |
| Corporate bonds | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Collateralised bonds | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.7 |
| Total fixed income securities | 67.9 | 31.4 | 0.0 | 0.7 | 0.0 | 100.0 |

¹Percent of fixed income investments in the Bank's foreign exchange reserves

4 International commitments

In 2013 Q3, SDR 65m was repaid by the IMF under the standing commitments, and the IMF drew a net amount of SDR 4m on separate borrowing agreements. These borrowing agreements total SDR 10 171m.

Table 4a International commitments as at 30 September 2013. All amounts in millions

| Agreemer | nt | Commit | ment | Utilised as at 30 | Sep. 2013 |
|------------|---|-------------|---------------|-------------------|-----------|
| | | SDR | NOK | SDR | NOK |
| Loan to Se | edlabanki Islands | | | 175 | 1 620 |
| IMF | | | | | |
| | Standing commitments | 1 884 | 17 399 | 435 | 4 016 |
| | Total borrowing agreements | 10 171 | 93 942 | 733 | 6 770 |
| | New Arrangements to Borrow (NAB) | 3 871 | 35 753 | 499 | 4 609 |
| | Loam to Poverty Reduction and Growth Trust (PRGT) | 300 | 2 771 | 234 | 2 161 |
| | The IMF's bilateral lending facilities | 6 000 | 55 418 | - | - |
| | | | | | |
| | | Commit | ment | Holdnin | ıgs |
| | | SDR | NOK | SDR | NOK |
| | Norges Bank's holdings of SDRs | 782 – 2 345 | 7 223- 21 659 | 1 473 | 13 602 |

Part II: Financial reporting

INCOME STATEMENT

Amounts in millions of NOK

| | Qua | ırter | | | |
|---|---------|---------|---------|---------|---------|
| NET INCOME FROM FINANCIAL INSTRUMENTS | 2013 Q3 | 2012 Q3 | 2013 Q3 | 2012 Q3 | 2012 Q4 |
| | | | | | |
| Interest income from deposits and claims | 3 | 3 | 15 | 16 | 19 |
| Interest income, lending associated with | | | | | |
| reverse repurchase agreements | 6 | 6 | 18 | 34 | 41 |
| Net income/expenses and gains/losses from: | | | | | |
| Equities | 7 283 | 5 548 | 20 917 | 11 911 | 15 598 |
| Bonds and other fixed income instruments | 451 | 1 842 | -1 537 | 5 245 | 5 925 |
| Financial derivatives | -6 | -6 | 28 | -44 | -43 |
| Interest expense, borrowing associated with | | | | | |
| repurchase agreements | -1 | -1 | -1 | -2 | -3 |
| Tax expenses | -9 | - | -47 | - | -13 |
| Other financial income/expenses | -1 | 0 | 1 | 0 | -1 |
| NET INCOME FROM FINANCIAL INSTRUMENTS | | | | | |
| BEFORE FOREIGN EXCHANGE GAINS/LOSSES | 7 726 | 7 392 | 19 394 | 17 160 | 21 523 |
| Foreign exchange gains/losses | 1 716 | -8 677 | 22 281 | -12 595 | -20 885 |
| NET INCOME FROM FINANCIAL INSTRUMENTS * | 9 442 | -1 285 | 41 675 | 4 565 | 638 |

^{*} Net income from financial instruments includes profit and loss items associated with outstanding balances with the GPFG (see Note 3).

| BALANCE SHEET | Amounts in millions of NOK |
|---------------|----------------------------|

| FINANCIAL ASSETS | 2013 Q3 | 2012 Q4 | 2012 Q3 |
|---|---------|---------|---------|
| | | | |
| Deposits in banks | 7 672 | 3 672 | 6 179 |
| Lending associated with reverse repurchase agreements | 35 630 | 12 388 | 35 226 |
| Unsettled trades | 14 898 | 1 | 1 232 |
| Equities | 103 314 | 96 520 | 93 554 |
| Equities lent | 8 710 | 2 821 | 5 611 |
| Bonds and other fixed income instruments | 182 006 | 152 735 | 157 155 |
| Financial derivatives | 7 | 6 | 3 |
| Other financial assets | 1 417 | 2 053 | 2 078 |
| TOTAL FINANCIAL ASSETS | 353 654 | 270 196 | 301 038 |
| | | | |

| FINANCIAL LIABILITIES | 2013 Q3 | 2012 Q4 | 2012 Q3 |
|---|---------|---------|---------|
| | | | |
| Short-term borrowing | 2 399 | 0 | 0 |
| Borrowing associated with repurchase agreements | 0 | 0 | 0 |
| Cash collateral received | 1 824 | 1 160 | 1 654 |
| Unsettled trades | 20 736 | 1 450 | 15 970 |
| Financial derivatives | 11 | 4 | 10 |
| Other financial liabilities | 942 | 1 015 | 1 506 |
| TOTAL FINANCIAL LIABILITIES | 25 912 | 3 629 | 19 140 |
| TOTAL PORTFOLIOS * | 327 742 | 266 567 | 281 898 |

 $^{^{\}star}$ Total portfolios includes outstanding balances with the GPFG (see Note 4).

NOTES

Note 1 Accounting policies

Financial reporting pertains solely to Norges Bank's foreign exchange reserves including outstanding balances with the Government Pension Fund Global (GPFG) as at 30 September 2013. The financial statements of Norges Banks are prepared in accordance with International Financial Reporting Standards (IFRS) as endorsed by the EU. For a description of accounting policies and methods of computation, see Norges Bank's annual financial statements for 2012. Financial reporting for Norges Bank's foreign exchange reserves does not include a statement of cash flows and a statement of changes in equity, and is thus not fully compliant with IFRS.

Note 2 Significant estimates and critical accounting judgements

The preparation of the financial statements of Norges Bank, which include the financial reporting for the Bank's foreign exchange reserves in accordance with the accounting policies in Note 1, involves the use of estimates and judgements that may affect assets, liabilities, income and expenses. Estimates and judgements are based on historical experience and expectations about future events that are considered probable at the time the financial statements are present

Estimates are based on best judgement; however, actual results may deviate from estimates. In cases of particularly uncertain estimates, this is described in Note 2 in Norges Bank's annual financial statements for 2012.

Note 3 Specification of the income statement by portfolio

Amounts in millions of NOK

| INCOME STATEMENT | Long-term portfolio | Money market portfolio | Petroleum buffer portfolio | Elimination of items not incl. in foreign exchange reserves | Total foreign exchange reserves |
|---|------------------------|------------------------|-------------------------------|---|---------------------------------------|
| | 2013 Q3 | 2013 Q3 | 2013 Q3 | 2013 Q3 | 2013 Q3 |
| Interest income, deposits in foreign banks Interest income, lending associated with reverse | 2 | 0 | 0 | 1 | 2 |
| repurchase agreements | 0 | 1 | 5 | - | 6 |
| Net income/expenses and gain/losses from: | | | | | - |
| Equities | 7 283 | - | - | - | 7 283 |
| Bonds and other fixed income instruments | 435 | 15 | 0 | - | 451 |
| Financial derivatives | -6 | 0 | - | - | -6 |
| Interest expense, borrowing associated with | | | | | |
| repurchase agreements | -1 | - | 0 | -1 | 0 |
| Tax expenses | -9 | - | - | - | -9 |
| Other financial income/expenses | 0 | 0 | - | - | 0 |
| NET INCOME FROM FINANCIAL INSTRUMENTS BEFORE FOREIGN EXCHANGE GAINS/LOSSES | 7 705 | 16 | 6 | 0 | 7 726 |
| Foreign exchange gains/losses | 1 328 | -228 | 616 | 44 | 1 672 |
| NET INCOME FROM FINANCIAL INSTRUMENTS * | 9 033 | -213 | 621 | 44 | 9 398 |

^{*} For the long-term portfolio, net income from financial instruments includes profit and loss items associated with outstanding balances with the GPFG. Profit and loss are excluded from the term foreign exchange reserves presented in Norges Bank's annual financial statements (cf. IMF definition).

| BALANCE SHEET | Long-term portfolio | Money market portfolio | Petroleum buffer portfolio | Elimination of items not incl. in foreign exchange reserves | Total foreign exchange reserves |
|---|------------------------|------------------------|-------------------------------|---|---------------------------------------|
| | 30 Sep. 2013 | 30 Sep. 2013 | 30 Sep. 2013 | 30 Sep. 2013 | 30 Sep. 2013 |
| FINANCIAL ASSETS | | | | | |
| | 0.054 | 4 505 | 4.050 | | 7.070 |
| Deposits in banks | 2 054 | 1 565 | 4 052 | - | 7 672 |
| Lending associated with reverse repurchase agreements | 1 822 | 7 996 | 25 812 | - | 35 630 |
| Unsettled trades | 14 898 | - | - | - | 14 898 |
| Equities | 103 314 | - | - | - | 103 314 |
| Equities lent | 8 710 | - | - | - | 8 710 |
| Bonds and other fixed income instruments | 150 072 | 31 934 | 0 | - | 182 006 |
| Bonds lent | - | - | - | - | - |
| Financial derivatives | 0 | 1 | 6 | - | 7 |
| Other financial assets | 1 417 | - | - | 1 368 | 49 |
| TOTAL FINANCIAL ASSETS | 282 288 | 41 496 | 29 870 | 1 368 | 352 286 |
| | | | | | |
| FINANCIAL LIABILITIES | | | | | |
| Short-term borrowing | 2 399 | _ | _ | _ | 2 399 |
| Borrowing associated with repurchase agreements | 0 | _ | _ | _ | 0 |
| Cash collateral received | 1 824 | _ | _ | _ | 1 824 |
| Unsettled trades | 15 473 | 3 998 | 1 265 | _ | 20 736 |
| Short-sale bonds | | | . 200 | _ | 20 100 |
| Financial derivatives | 9 | 2 | 0 | | 11 |
| Other liabilities | | | 942 | | 942 |
| TOTAL FINANCIAL LIABILITIES | 19 705 | 4 000 | 2 208 | | 25 912 |
| TOTAL PINANCIAL LIABILITIES TOTAL PORFOLIOS * | 262 583 | 37 496 | 27 662 | 1 368 | 326 374 |

^{*}For the long-term portfolio, total portfolios includes outstanding balances with the GPFG.

Outstanding balances are excluded from the term foreign exchange reserves presented in Norges Bank's annual financial statements (cf. IMF definition).

Reconciliation between market value at the end of the period and net portfolio value for financial reporting purposes

Amounts in millions of NOK

| | Long-term portfolio | Money market portfolio | Petroleum buffer portfolio | Total foreign exchange reserves |
|--|---------------------|------------------------|-------------------------------|---------------------------------------|
| | 30 Sep. 2013 | 30 Sep. 2013 | 30 Sep. 2013 | 30 Sep. 2013 |
| Market value (end of the period) | 262 583 | 37 555 | 29 021 | 329 159 |
| Total portfolio | 262 583 | 37 496 | 27 662 | 327 741 |
| Difference between market value and net portfolio | - | 59 | 1 359 | 1 418 |
| Transfers SDFI, trade date 30 Sep. 2013, settlement 2 Oct. 2013 | - | - | -1 159 | -1 159 |
| Foreign exchange purchases, trade dates 27 and 30 Sep. 2013, settlement 1 and 2 Oct. 2013 | - | - | -200 | -200 |
| Foreign exchange element included for financial reporting purposes 3 October 2013 | - | -59 | | -59 |
| Rounding difference | - | - | -0 | -0 |

Note 5 Equities, bonds and other fixed income securities

Amounts in millions of NOK

| Table 5.1 Specification equities | 30 Sep. 2013 | | |
|----------------------------------|--------------------------------------|----------------------|--------------------------------------|
| | Fair value excluding dividends | Accrued dividends | Fair value including dividends |
| Equities: | | | |
| Listed equities | 111 819 | 205 | 112 024 |
| OTC equities | 0 | 0 | 0 |
| Total equities | 111 819 | 205 | 112 024 |
| Of which equities lent | | | 8 710 |

Note 6 Risk

Market risk

Market risk is the risk of changes in the value of the portfolio due to movements in interest rates, equity prices, foreign currency exchange rates and credit spreads For the long-term portfolio, Norges Bank measures risk in both absolute terms for the actual portfolio, and the relative market risk for investments in the portfolio. For the money market portfolio, the Bank measures both absolute and relative market risk.

Asset classes and currencies

The Bank's foreign exchange reserves are invested across several asset classes and currencies as shown in the table below .

Volatility

Norges Bank uses risk models to quantify the economic risk associated with all or portions of the portfolios. The expected relative risk associated with the portfolios is presented below.

Key figures for risk and asset allocation, Norges Bank's foreign exchange reserves

| , 3 | | | | |
|--|---------------------|---------|---------|---------|
| Risk | Limits | Actual | | |
| | | 2013 Q3 | 2013 Q2 | 2013 Q1 |
| Money market investments: | | | | |
| | 1.0 percentage | | | |
| Market risk | point expected | 0,06 | 0,05 | 0,03 |
| | relative volatility | | | |
| Asset allocation | Cash | 14,81 | 16,41 | 16,65 |
| Asset anotation | Securities | 85,19 | 83,58 | 83,34 |
| | | | | |
| Equities and long-term fixed income investments: | | | | |
| | 1.0 percentage | | | |
| Market risk | point expected | 0,15 | 0,56 | 0,49 |
| | relative volatility | | | |
| | Fixed income | 58,59 | 58,61 | 53,97 |
| Asset allocation | portfolio | 30,33 | 30,01 | 33,37 |
| | Equity portfolio | 41,41 | 41,39 | 46,03 |
| | | | | |

Key figures for sik and asset allocation

The models used to calculated the information above are explained in Note 24 Risk in Norges Bank's annual financial statements for 2012.

Credit risk

Credit risk is the risk of losses if issuers of fixed income instruments default on their payment obligations. Norges Bank uses credit ratings to monitor credit risk in the bond portfolio. The table below shows a breakdown of the long-term portfolio and money market portfolio into credit rating categories.

Foreign exchange reserves, fixed income securities, by credit rating. Percent ¹

| | AAA | AA | Α | BBB | Lower | Total |
|--|------|------|---|-----|-------|-------|
| Treasury Bills | 24,2 | 0 | 0 | 0 | 0 | 24,2 |
| Sovereign bonds | 43,6 | 31,4 | 0 | 0 | 0 | 75 |
| Corporate bonds | 0 | 0 | 0 | 0 | 0 | 0 |
| Collateralised bonds | 0 | 0 | 0 | 0,7 | 0 | 0,7 |
| Total fixed income securities | 67,9 | 31,4 | 0 | 0,7 | 0 | 100 |
| Percent of fixed income investments in the Bank's foreign exchange reserves. | | | | | | |

The portion of Bank's foreign exchange reserves invested in fixed income instruments primarily consists of highly rated securities. At the end of Q3, 99 percent was invested government securities rated AA or higher.