

# GOVERNMENT SECURITIES MARKET

## MONTHLY REPORT JANUARY 2016

The net issuance was HUF 450.6 billion; out of which net HUF-denominated issuance was HUF 441.9 billion and net foreign currency denominated issuance was HUF 8.7 billion in 2016.

| (HUF billion)                     | 2015     |        | 2016     |        | Change      |       |
|-----------------------------------|----------|--------|----------|--------|-------------|-------|
|                                   | December | %      | January  | %      | HUF billion | %     |
| HUF denominated debt              | 16,207.9 | 65.6%  | 16,649.8 | 66.1%  | 441.9       | 2.7%  |
| Loans                             | 694.1    | 2.8%   | 736.6    | 2.9%   | 42.5        | 6.1%  |
| Government bonds                  | 11,094.9 | 44.9%  | 11,001.9 | 43.7%  | -93.0       | -0.8% |
| Retail securities                 | 3,517.4  | 14.2%  | 3,707.0  | 14.7%  | 189.6       | 5.4%  |
| Discount treasury bills           | 901.6    | 3.7%   | 1,204.2  | 4.8%   | 302.7       | 33.6% |
| Foreign exchange denominated debt | 7,735.8  | 31.3%  | 7,727.1  | 30.7%  | -8.7        | -0.1% |
| Total                             | 23,943.7 | 96.9%  | 24,376.9 | 96.8%  | 433.2       | 1.8%  |
| <i>Other obligations</i>          | 756.0    | 3.1%   | 803.4    | 3.2%   | 47.4        | 6.3%  |
| Total central government debt     | 24,699.7 | 100.0% | 25,180.3 | 100.0% | 480.6       | 1.9%  |

The HUF denominated debt of the central government increased by HUF 441.9 billion in 2016. The increase in domestic debt was the result of net government bond redemption of HUF 84.0 billion, the amount of discount Treasury bills increased by HUF 302.7 billion and the total amount of retail government securities increased by HUF 189.6 billion. The stock of non-marketable government bonds decreased by HUF 9.0 billion. The volume of HUF loans increased by HUF 42.5 billion in 2016.

The foreign currency debt of the central government decreased by HUF 8.7 billion in 2016. The domestic PÉMAK and residence bond issuance was HUF 9.4 billion, while the redemptions of foreign currency debt worth HUF 0.7 billion decreased the debt. The exchange rate revaluations totalling HUF 17.4 billion decreased the Hungarian Forint value of the foreign currency debt in January. The total amount of other liabilities increased by HUF 47.4 billion in 2016.

### BENCHMARK YIELDS

| Maturity | 30.11.2015 | 30.12.2015 | 29.01.2016 | Change in December basis point |
|----------|------------|------------|------------|--------------------------------|
| 3-month  | 0.79       | 0.80       | 0.93       | 13                             |
| 6-month  | 0.8        | 0.87       | 0.95       | 8                              |
| 1-year   | 0.95       | 0.93       | 0.96       | 3                              |
| 3-year   | 1.91       | 2.11       | 1.93       | -18                            |
| 5-year   | 2.47       | 2.55       | 2.44       | -11                            |
| 10-year  | 3.29       | 3.33       | 3.48       | 15                             |
| 15-year  | 3.87       | 3.88       | 3.71       | -17                            |

Monthly OTC turnover of government securities decreased to HUF 3,458.7 billion in January. Primary dealers, who account for the decisive part of all secondary government securities trading, made 79% of their secondary government securities deals with non-resident investors.

The volume of non-residents' holdings of Hungarian government securities decreased altogether by HUF 61.8 billion in January and amounted to HUF 3,834.3 billion at the end of the month. This volume represented 24.1% of the total amount of domestic government securities.

The EUR/HUF exchange rate according to the National Bank of Hungary was 312.42 on the last working day of January.

The credit rating of the long-term foreign currency debt of Hungary is as follows on the last working day of January: BB+ (Standard & Poor's); Ba1 (Moody's); BB+ (Fitch).

# GOVERNMENT SECURITIES MARKET

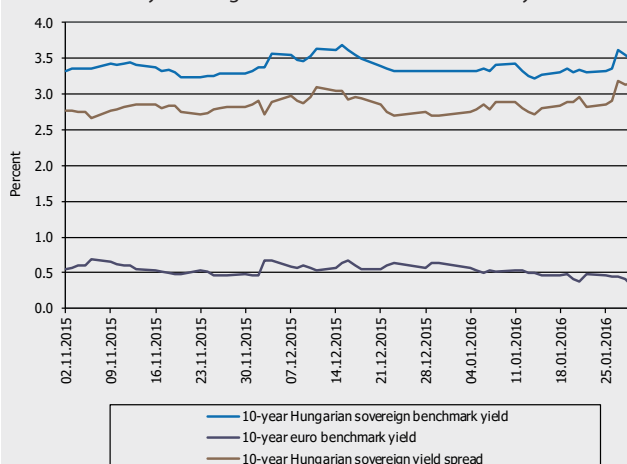
## CENTRAL GOVERNMENT GROSS DEBT

HUF BILLION

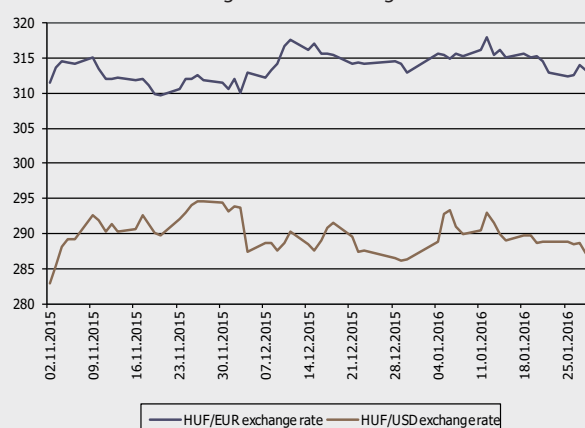
|                                             | 2010     | 2011     | 2012     | 2013     | 2014     | 2015<br>November | 2015<br>December | 2016<br>January |
|---------------------------------------------|----------|----------|----------|----------|----------|------------------|------------------|-----------------|
| 1. Forint denominated debt                  | 10,978.2 | 10,362.2 | 12,042.4 | 12,976.4 | 14,612.0 | 16,372.2         | 16,207.9         | 16,649.8        |
| 1.1. Loans                                  | 540.8    | 590.8    | 566.8    | 603.6    | 623.3    | 697.1            | 694.1            | 736.6           |
| 1.2. Government securities                  | 10,437.4 | 9,771.4  | 11,475.6 | 12,372.8 | 13,988.7 | 15,675.1         | 15,513.8         | 15,913.2        |
| 1.2.1. Public issues                        | 10,019.6 | 9,368.1  | 11,077.1 | 12,182.3 | 13,847.7 | 15,536.6         | 15,462.3         | 15,870.7        |
| 1.2.1.1. Bonds                              | 7,965.8  | 7,353.4  | 8,184.1  | 8,588.8  | 9,848.0  | 10,965.4         | 11,043.4         | 10,959.4        |
| 1.2.1.2. Discount T-bills                   | 1,618.2  | 1,540.9  | 1,906.5  | 1,904.9  | 1,588.6  | 1,234.9          | 901.6            | 1,204.2         |
| 1.2.1.3. Retail securities                  | 435.7    | 473.8    | 986.6    | 1,688.5  | 2,411.1  | 3,336.3          | 3,517.4          | 3,707.0         |
| 1.2.2. Private placements                   | 417.8    | 403.2    | 398.5    | 190.5    | 141.0    | 138.5            | 51.5             | 42.5            |
| 2. Foreign currency denominated debt*       | 8,842.8  | 10,170.4 | 8,326.6  | 8,904.9  | 8,957.9  | 8,219.2          | 7,735.8          | 7,727.1         |
| 2.1. Loans                                  | 4,292.8  | 4,458.1  | 3,312.5  | 2,735.6  | 2,164.3  | 1,719.7          | 1,696.8          | 1,692.3         |
| 2.1.1. Foreign loans                        | 4,292.8  | 4,337.9  | 3,229.0  | 2,400.2  | 1,889.9  | 1,636.3          | 1,614.2          | 1,610.0         |
| 2.1.2. Domestic loans                       | 3,526.9  | 0.0      | 83.5     | 335.4    | 274.4    | 83.3             | 82.6             | 82.3            |
| 2.2. Government securities                  | 4,550.0  | 5,712.3  | 5,014.1  | 6,169.3  | 6,793.6  | 6,499.5          | 6,039.0          | 6,034.9         |
| 2.2.1. Issued abroad                        | 4,550.0  | 5,712.3  | 4,924.2  | 5,736.9  | 5,844.6  | 5,385.1          | 5,198.9          | 5,187.4         |
| 2.2.2. Issued domestically                  | 0.0      | 0.0      | 89.9     | 432.5    | 948.9    | 1,114.4          | 840.1            | 847.5           |
| Total                                       | 19,821.0 | 20,532.6 | 20,369.0 | 21,881.4 | 23,569.9 | 24,591.4         | 23,943.7         | 24,376.9        |
| Other liabilities                           | 220.01   | 422.89   | 351.10   | 117.30   | 311.20   | 913.70           | 756.00           | 803.40          |
| Total central government debt               | 20,041.0 | 20,955.5 | 20,720.1 | 21,998.6 | 23,881.1 | 25,505.1         | 24,699.7         | 25,180.3        |
| Marketable HUF debt (1.2.1.1+1.2.1.2+1.2.2) | 10,001.8 | 9,297.6  | 10,489.1 | 10,684.2 | 11,577.6 | 12,338.8         | 11,996.5         | 12,206.1        |
| Gross debt/GDP                              | 74.4%    | 74.7%    | 72.6%    | 73.7%    | 74.9%    |                  |                  |                 |

\*Foreign exchange debt is recorded at the mid exchange rate of the NBH at the end of the year/month.

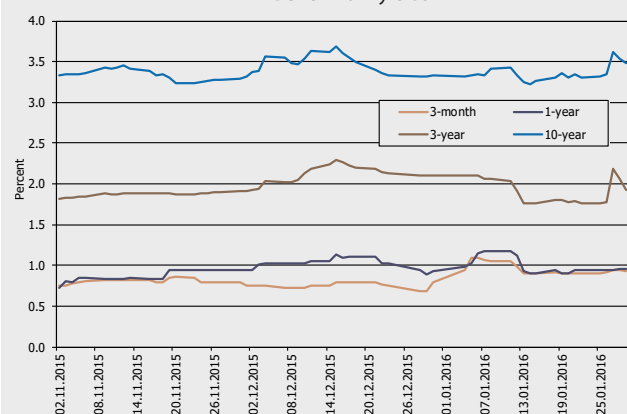
10-year Hungarian and eurozone benchmark yields



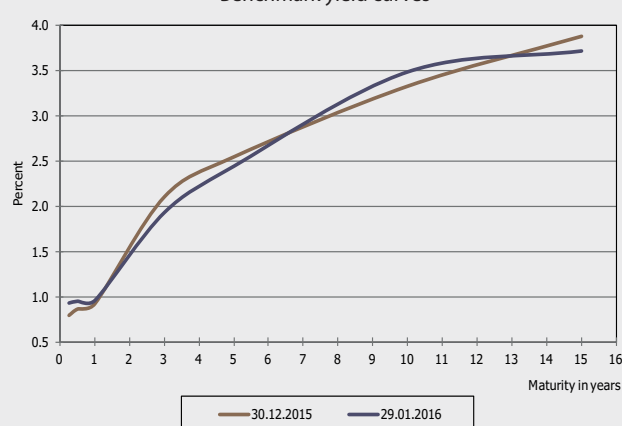
The exchange rate of the Hungarian Forint



Benchmark yields



Benchmark yield curves



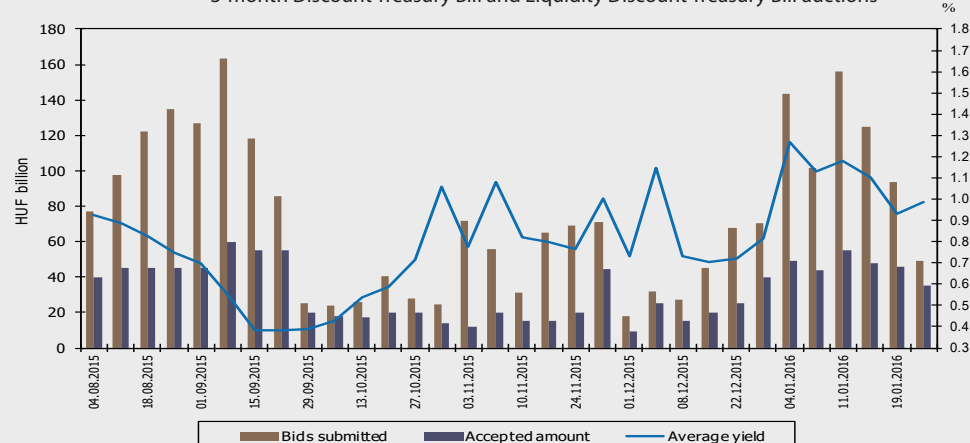
# GOVERNMENT SECURITIES MARKET

## DISCOUNT TREASURY BILL AUCTION RESULTS

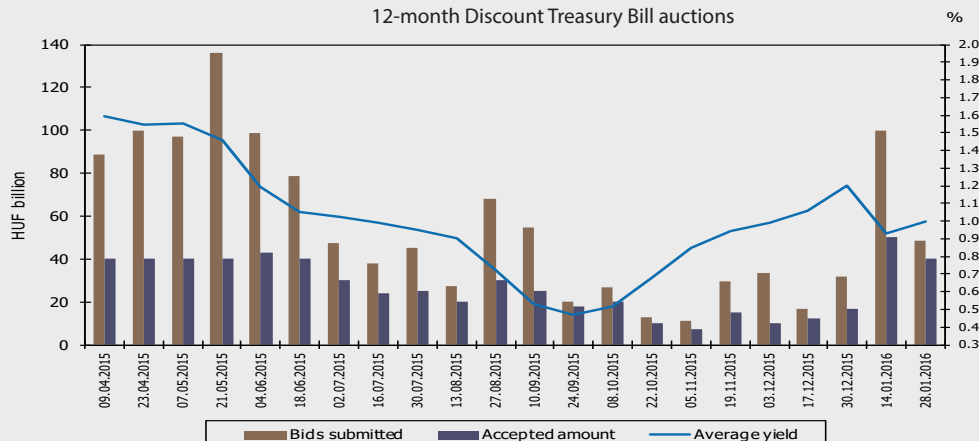
|                                         | Liquidity Discount T-bills |              | 3-month Discount T-bills |              |              |              | 12-month Discount T-bills |              |
|-----------------------------------------|----------------------------|--------------|--------------------------|--------------|--------------|--------------|---------------------------|--------------|
| Code of T-bills                         | D160224                    | D160224      | D160413                  | D160420      | D160427      | D160504      | D161228                   | D161228      |
| ISIN code                               | HU0000520770               | HU0000520770 | HU0000520572             | HU0000520861 | HU0000520879 | HU0000520887 | HU0000520853              | HU0000520853 |
| Maturity in days                        | 49                         | 42           | 91                       | 91           | 91           | 91           | 343                       | 329          |
| Date of auction                         | 04.01.2016                 | 11.01.2016   | 05.01.2016               | 12.01.2016   | 19.01.2016   | 26.01.2016   | 14.01.2016                | 28.01.2016   |
| Date of financial settlement            | 06.01.2016                 | 13.01.2016   | 13.01.2016               | 20.01.2016   | 27.01.2016   | 03.02.2016   | 20.01.2016                | 03.02.2016   |
| Redemption date                         | 24.02.2016                 | 24.02.2016   | 13.04.2016               | 20.04.2016   | 27.04.2016   | 04.05.2016   | 28.12.2016                | 28.12.2016   |
| Maximum yield (%) - ISMA                | 1.30                       | 1.20         | 1.17                     | 1.13         | 0.95         | 1.04         | 0.96                      | 1.05         |
| Minimum yield (%) - ISMA                | 0.98                       | 1.15         | 1.03                     | 1.04         | 0.82         | 0.89         | 0.85                      | 0.94         |
| Average yield (%) - ISMA                | 1.27                       | 1.18         | 1.13                     | 1.10         | 0.93         | 0.98         | 0.93                      | 1.00         |
| Maximum yield (%) - EHM                 | 1.32                       | 1.22         | 1.19                     | 1.15         | 0.96         | 1.05         | 0.97                      | 1.06         |
| Minimum yield (%) - EHM                 | 0.99                       | 1.17         | 1.04                     | 1.05         | 0.83         | 0.90         | 0.86                      | 0.95         |
| Average yield (%) - EHM                 | 1.29                       | 1.20         | 1.15                     | 1.12         | 0.94         | 0.99         | 0.94                      | 1.01         |
| Average selling price (%)               | 99.8274                    | 99.8625      | 99.7152                  | 99.7227      | 99.7655      | 99.7529      | 99.1217                   | 99.0944      |
| Amount offered for sale (HUF million)   | 40,000.00                  | 40,000.00    | 40,000.00                | 40,000.00    | 40,000.00    | 40,000.00    | 40,000.00                 | 40,000.00    |
| Amount of bids submitted (HUF million)  | 143,672.00                 | 155,780.00   | 101,454.00               | 124,790.00   | 93,790.00    | 48,900.00    | 100,040.00                | 48,670.00    |
| Amount of bids accepted (HUF million)   | 48,999.96                  | 54,999.98    | 43,999.97                | 47,999.92    | 45,999.93    | 34,999.98    | 49,999.95                 | 39,999.97    |
| Bid-to-cover ratio                      | 2.93                       | 2.83         | 2.31                     | 2.60         | 2.04         | 1.40         | 2.00                      | 1.22         |
| Bids submitted (pcs)                    | 115.00                     | 107.00       | 121.00                   | 126.00       | 126.00       | 74.00        | 122.00                    | 78.00        |
| Bids accepted (pcs)                     | 50.00                      | 45.00        | 60.00                    | 62.00        | 65.00        | 66.00        | 94.00                     | 69.00        |
| Market sales* (HUF million)             | 48,999.96                  | 54,999.98    | 43,999.97                | 47,999.92    | 45,999.93    | 34,999.98    | 49,999.95                 | 39,999.97    |
| Retained on ÁKK's own account (HUF mil- | 0.04                       | 0.02         | 13,200.03                | 14,400.08    | 13,800.07    | 10,500.02    | 50,000.05                 | 12,000.03    |
| Total amount issued (HUF million)       | 49,000.00                  | 55,000.00    | 57,200.00                | 62,400.00    | 59,800.00    | 45,500.00    | 100,000.00                | 52,000.00    |

\* Without issuance onto ÁKK's own account

3-month Discount Treasury Bill and Liquidity Discount Treasury Bill auctions



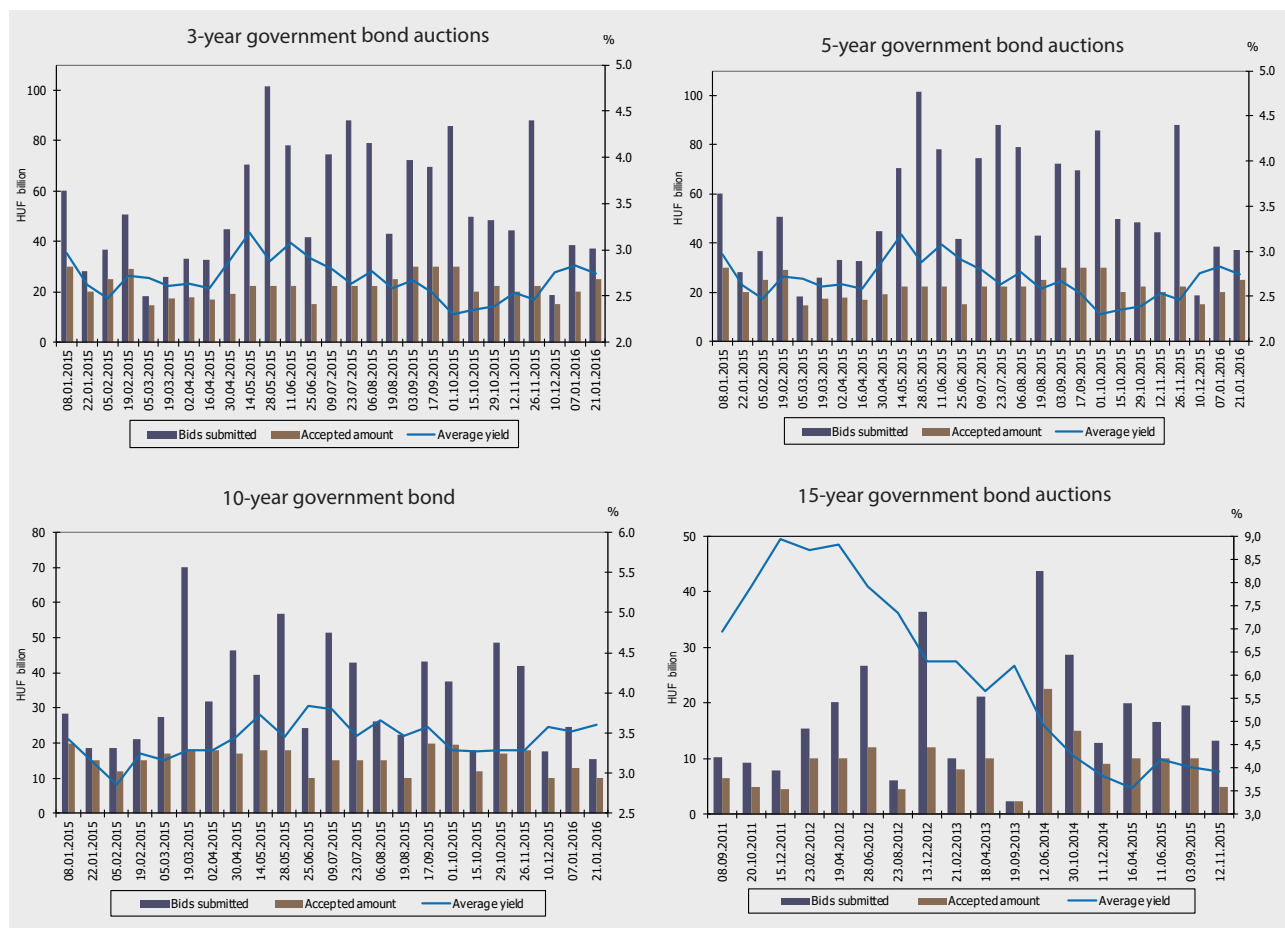
12-month Discount Treasury Bill auctions



# GOVERNMENT SECURITIES MARKET

## GOVERNMENT BOND AUCTION RESULTS

| Government Bond                        | 2019/C       | 2021/B       | 2027/A       | 2019/D       | 2019/C       | 2021/B       | 2027/A       | 2021/A       |
|----------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| ISIN code                              | HU0000403092 | HU0000403100 | HU0000403118 | HU0000403126 | HU0000403092 | HU0000403100 | HU0000403118 | HU0000402995 |
| Maturity (in years)                    | 3            | 5            | 10           | 3            | 3            | 5            | 10           | 5            |
| Coupon (%)                             | 2.00%        | 2.50%        | 3.00%        | 1.35%        | 2.00%        | 2.50%        | 3.00%        | 1.35%        |
| Auction                                | 1. auction   | 1. auction   | 1. auction   | 1. auction   | 2. auction   | 2. auction   | 2. auction   | 12.auction   |
| Date of auction                        | 07.01.2016   | 07.01.2016   | 07.01.2016   | 14.01.2016   | 21.01.2016   | 21.01.2016   | 21.01.2016   | 28.01.2016   |
| Date of financial settlement           | 13.01.2016   | 13.01.2016   | 13.01.2016   | 20.01.2016   | 27.01.2016   | 27.01.2016   | 27.01.2016   | 03.02.2016   |
| Redemption date                        | 30.10.2019   | 27.10.2021   | 27.10.2027   | 28.08.2019   | 30.10.2019   | 27.10.2021   | 27.10.2027   | 23.06.2021   |
| Maximum annual yield (%) - ISMA        | 2.51         | 2.86         | 3.54         |              | 2.32         | 2.77         | 3.64         |              |
| Minimum annual yield (%) - ISMA        | 2.44         | 2.79         | 3.48         |              | 2.27         | 2.70         | 3.55         |              |
| Average annual yield (%) - ISMA        | 2.47         | 2.83         | 3.52         |              | 2.30         | 2.74         | 3.60         |              |
| Maximum annual yield (%) - EHM         | 2.51         | 2.86         | 3.54         |              | 2.32         | 2.77         | 3.64         |              |
| Minimum annual yield (%) - EHM         | 2.44         | 2.79         | 3.48         |              | 2.27         | 2.70         | 3.55         |              |
| Average annual yield (%) - EHM         | 2.47         | 2.83         | 3.51         |              | 2.30         | 2.74         | 3.60         |              |
| Maximum price (%)                      | 98.4271      | 98.4782      | 95.4308      | 99.7100      | 99.0407      | 98.9552      | 94.7965      | 98.6600      |
| Minimum price (%)                      | 98.1794      | 98.1133      | 94.8767      | 99.4000      | 98.8640      | 98.5903      | 93.9756      | 98.2500      |
| Average price (%)                      | 98.3038      | 98.2701      | 95.0867      | 99.5500      | 98.9293      | 98.7452      | 94.3396      | 98.4400      |
| Amount offered for sale (HUF million)  | 20,000.00    | 20,000.00    | 12,000.00    | 10,000.00    | 20,000.00    | 20,000.00    | 10,000.00    | 8,000.00     |
| Amount of bids submitted (HUF million) | 37,650.00    | 38,400.00    | 24,670.00    | 23,400.00    | 75,935.00    | 37,395.00    | 15,595.00    | 11,700.00    |
| Amount of bids accepted (HUF million)  | 19,999.99    | 20,000.00    | 12,999.99    | 9,999.99     | 30,000.00    | 24,999.97    | 9,999.99     | 7,999.99     |
| Bid-to-cover ratio                     | 1.88         | 1.92         | 1.90         | 2.34         | 2.53         | 1.50         | 1.56         | 1.46         |
| Bids submitted (pcs)                   | 52           | 50           | 49           | 48           | 73           | 54           | 44           | 18           |
| Bids accepted (pcs)                    | 24           | 24           | 30           | 18           | 31           | 30           | 35           | 13           |
| Tail (average price - minimum price)   | 0.12         | 0.16         | 0.21         | 0.15         | 0,07         | 0.15         | 0.36         | 0.19         |
| Market sales (HUF million)             | 19,999.99    | 20,000.00    | 12,999.99    | 9,999.99     | 30,000.00    | 24,999.97    | 9,999.99     | 7,999.99     |
| Non-competitive offer (HUF million)    | 20,000.01    | 20,000.00    | 13,000.01    | 10,000.01    | 30,000.00    | 25,000.03    | 10,000.01    | 3,200.01     |
| Total amount sales (HUF million)       | 40,000.00    | 40,000.00    | 26,000.00    | 20,000.00    | 60,000.00    | 50,000.00    | 20,000.00    | 11,200.00    |



# GOVERNMENT SECURITIES MARKET

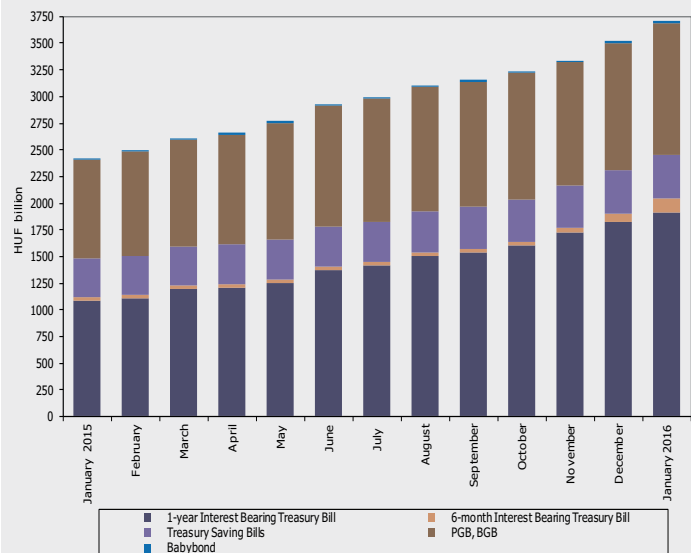
## INTEREST RATE RESETS OF FLOATING RATE GOVERNMENT BONDS IN JANUARY 2016

| Government bond | Date of interest rate reset | Interest period |            | Date of interest payment | Reset interest rate (%) | Interest payable (%) |
|-----------------|-----------------------------|-----------------|------------|--------------------------|-------------------------|----------------------|
| 2018/D          | 21.01.2016                  | 24.01.2016      | 24.04.2016 | 25.04.2016               | 1.35%                   | 0.34%                |
| 2033/S          | 29.01.2016                  | 01.02.2016      | 01.02.2017 | 01.02.2017               | 3.00%                   | 3.00%                |
| 2034/S          | 29.01.2016                  | 01.02.2016      | 01.02.2017 | 01.02.2017               | 3.00%                   | 3.00%                |
| 2035/S          | 29.01.2016                  | 01.02.2016      | 01.02.2017 | 01.02.2017               | 3.00%                   | 3.00%                |

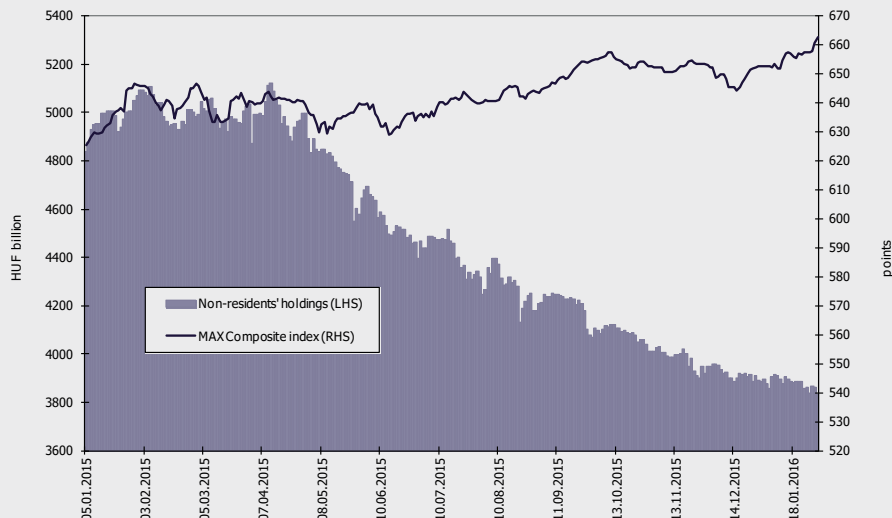
## OUTSTANDING AMOUNT OF RETAIL SECURITIES

| Retail securities        | HUF billion |            | Change      |
|--------------------------|-------------|------------|-------------|
|                          | 31.12.2015  | 31.01.2016 | HUF billion |
| 1-year Interest Bearing  | 1,816.0     | 1,914.2    | 98.2        |
| 6-month Interest Bearing | 81.0        | 126.8      | 45.8        |
| Treasury Saving Bills    | 403.4       | 409.2      | 5.7         |
| PGB, BGB                 | 1,198.3     | 1,237.4    | 39.1        |
| Babybond                 | 18.6        | 19.4       | 0.7         |
| Total                    | 3,517.3     | 3,707.0    | 189.6       |

Outstanding amount of retail securities during the last year



Non-residents' holdings of Hungarian government securities during the last year and the MAX index



# GOVERNMENT SECURITIES MARKET

## HUNGARIAN GOVERNMENT SECURITIES INDICES

|                                                 | MAX index | RMAX index | MAX Composite index | ZMAX index |
|-------------------------------------------------|-----------|------------|---------------------|------------|
| Value as at 29 January 2016                     | 692.3458  | 544.1729   | 662.6575            | 530.8365   |
| Changes compared to the end of the month before | 11.0760   | 0.1291     | 10.1044             | 0.1635     |
| Annual yield earned on the index portfolio      | 2.44%     | 1.44%      | 2.54%               | 1.22%      |

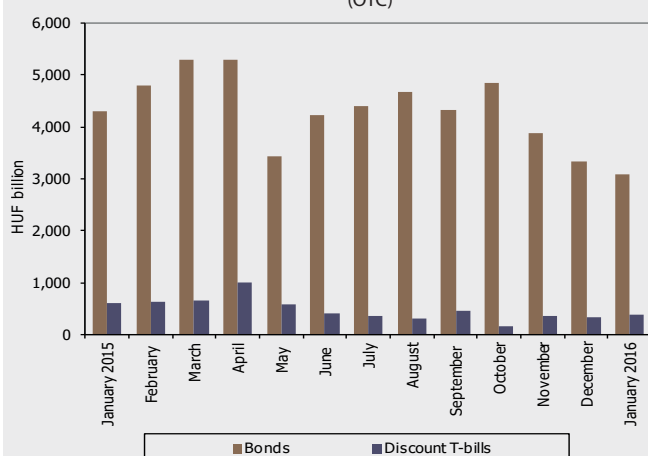
### Government bonds with the highest secondary market turnover in January 2016

| Government bond | Date of redemption | Turnover (HUF billion) |
|-----------------|--------------------|------------------------|
| 2018/B          | 25.04.2018         | 676.6                  |
| 2025/B          | 24.06.2025         | 386.1                  |
| 2018/C          | 22.06.2018         | 344.2                  |
| 2022/A          | 24.06.2022         | 329.6                  |
| 2017/A          | 24.11.2017         | 321.8                  |
| 2019/A          | 24.06.2019         | 311.8                  |
| 2020/B          | 24.06.2020         | 284.3                  |
| 2023/A          | 24.11.2023         | 251.0                  |
| 2020/A          | 12.11.2020         | 157.6                  |
| 2018/A          | 20.12.2018         | 149.5                  |

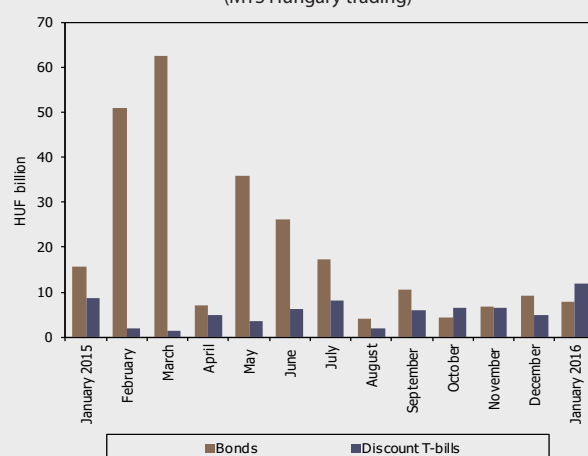
### The outstanding volume of government bonds with benchmark status at the end of January 2016

| Government bond | HUF billion |            |
|-----------------|-------------|------------|
|                 | 31.12.2015  | 31.01.2016 |
| 2019/C          | 0.00        | 59.74      |
| 2021/B          | 0.00        | 54.25      |
| 2027/A          | 0.00        | 24.15      |
| 2031/A          | 43.16       | 43.17      |

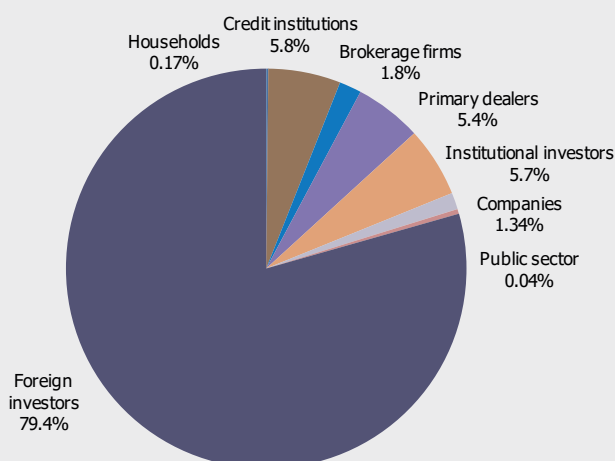
Secondary market trading of Hungarian government securities (OTC)



Secondary market trading of Hungarian government securities (MTS Hungary trading)



Breakdown of primary dealers' secondary market turnover in Government Bonds by investor groups in January 2016



Breakdown of primary dealers' secondary market turnover in Discount Treasury Bills by investor groups in January 2016

