

**At the end of August 2018 State Treasury (ST) debt** amounted to **PLN 948,935.2 million**, i.e.:

- increased by PLN 2,371.4m (+0.3%) in August 2018,
- increased by PLN 20,462.2m (+2.2%) compared to the end of 2017.

**Table 1. Factors affecting change in the State Treasury debt (PLN billion)**

	Aug 2018	Jan-Aug 2018
<b>Change in the State Treasury debt</b>	<b>2.4</b>	<b>20.5</b>
<b>1. State budget borrowing requirements:</b>	<b>-3.2</b>	<b>-15.5</b>
1.1. State budget deficit	-1.9	-1.1
1.2. European Union funds budget deficit	0.0	2.4
1.3. Pension reform costs <sup>1)</sup>	0.3	2.3
1.4. Proceeds from privatisation	0.0	0.0
1.5. Deposits from PFSE and court deposits balance	-0.9	-7.2
1.6. European funds management	-0.7	-11.4
1.7. Granted loans balance	0.1	0.2
1.8. Other borrowing requirements <sup>2)</sup>	0.1	-0.7
<b>2. Changes not resulting from State budget borrowing requirements:</b>	<b>5.1</b>	<b>32.9</b>
2.1. FX rates movements	1.7	10.5
2.2. Changes in budget accounts balance	3.6	22.4
2.3. Other factors <sup>3)</sup>	-0.1	0.0
<b>3. Change in other State Treasury debt:</b>	<b>0.4</b>	<b>3.1</b>
3.1. Deposits from PFSE <sup>4)</sup>	0.4	1.7
3.2. Other deposits <sup>5)</sup>	0.0	1.4
3.3. Other ST debt	0.0	0.0

<sup>1)</sup> Funds transferred to Social Security Fund (FUS) as compensation for contributions transferred to open pension funds (OFE)

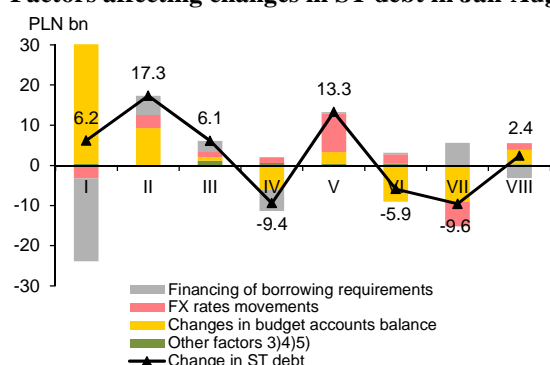
<sup>2)</sup> Balance of pre-financing of tasks carried out with utilization of funds from EU budget, shares in international financial institutions and other domestic and foreign settlements

<sup>3)</sup> TS discount, TS indexation, sell-buy-back transactions

<sup>4)</sup> Deposits received from public finance sector entities (PFSE) with legal personality

<sup>5)</sup> Court deposits and collateral deposits connected with CSA agreements.

### Factors affecting changes in ST debt in Jan-Aug 2018



According to preliminary data, **ST debt at the end of September 2018** amounted to **ca. PLN 949.7bn**, i.e. increased by PLN 0.7bn (+0.1%) m/m and by PLN 21.2bn (+2.3%) compared to the end of 2017. According to the place of issue criterion debt amounted to:

- **domestic debt:** ca. PLN 666.4bn,
- **foreign currency debt:** ca. PLN 283.3bn (i.e. 29.8% of total ST debt).

**Increase in debt in August 2018** was mainly a resultant of:

- negative State budget net borrowing requirements (PLN -3.2bn), with State budget surplus of PLN 1.9bn;
- increase in budget accounts balance (PLN +3.6bn) associated with collection of funds for financing borrowing requirements;
- depreciation of zloty (PLN +1.7bn) – by 0.4% against EUR by 0.9% against USD, by 3.0% against CHF, by 1.6 against JPY and by 0.8% against CNY.

**Increase in debt since the beginning of 2018** was mainly a resultant of:

- negative State budget net borrowing requirements (PLN -15.5bn), including European funds management balance (PLN -11.4bn) and PFSE and court deposits balance (PLN -7.2bn);
- increase in budget accounts balance (PLN +22.4bn) associated with collection of funds for financing borrowing requirements;
- depreciation of zloty (PLN +10.5bn) – by 3.0% against EUR, by 5.7% against USD, by 6.6% against CHF, by 7.5 against JPY with appreciation by 0.7% against CNY.

**In August 2018 domestic ST debt** (according to the place of issue criterion) increased by PLN 0.7bn which resulted mainly from positive balance of issuance of savings bonds (PLN +0.3bn) and increase in other ST debt (PLN +0.4bn). Additionally, a switching auction of marketable Treasury Securities (TS) was conducted:

Instrument	Sale (PLN bn)	Repurchase/Redemption (PLN bn)
OK1018		-1.8
WZ0119		-1.9
OK0419		-1.1
OK0720	0.9	
PS0123	2.0	
WZ0524	0.9	
WS0428	0.5	
WZ0528	0.4	

**In August 2018 ST debt in foreign currency** increased by PLN 1.6bn which was a resultant of:

- negative balance of debt issuance:

Instrument	Drawing	Repayment
Loans from IFIs*	-	0.01bn EUR

\*) IFIs – international financial institutions

- depreciation of zloty (PLN +1.7bn).

**Since the beginning of 2018 domestic ST debt** increased by PLN 17.0bn. In the same period **foreign currency ST debt** increased by PLN 3.5bn which was a resultant of:

- decrease in debt denominated in EUR (EUR -0.7bn);
- decrease in debt denominated in CHF (CHF -1.0bn);
- depreciation of zloty (PLN +10.5bn);
- no changes in debt denominated in USD, JPY and CNY.

**Table 2. State Treasury debt by instrument (PLN million)**

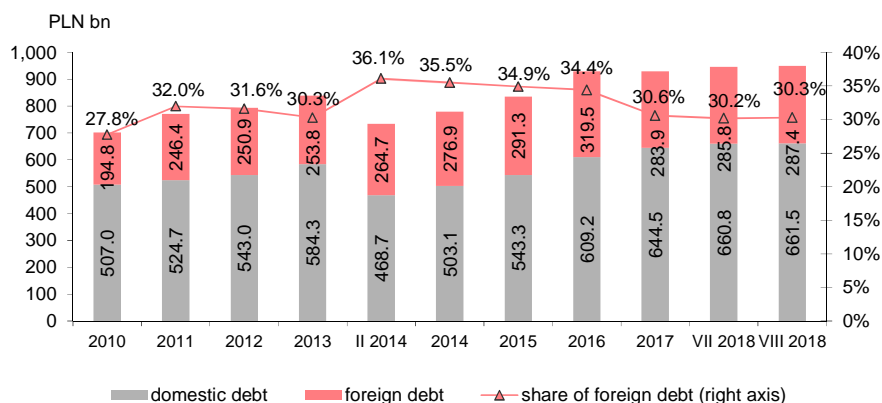
	Dec 2017	structure Dec 2017 %	July 2018	structure July 2018 %	Aug 2018	structure Aug 2018 %	change Aug 2018 – July 2018		change Aug 2018 – Dec 2017	
							PLN m	%	PLN m	%
<b>State Treasury debt</b>	<b>928,473.0</b>	<b>100.0</b>	<b>946,563.8</b>	<b>100.0</b>	<b>948,935.2</b>	<b>100.0</b>	<b>2,371.4</b>	<b>0.3</b>	<b>20,462.2</b>	<b>2.2</b>
<b>I. Domestic ST debt</b>	<b>644,533.1</b>	<b>69.4</b>	<b>660,758.6</b>	<b>69.8</b>	<b>661,500.8</b>	<b>69.7</b>	<b>742.2</b>	<b>0.1</b>	<b>16,967.7</b>	<b>2.6</b>
1. Treasury securities (TS)	621,103.1	66.9	634,650.3	67.0	635,008.8	66.9	358.5	0.1	13,905.8	2.2
1.1. Marketable TS	605,711.1	65.2	616,626.2	65.1	616,659.1	65.0	32.9	0.0	10,948.0	1.8
- Treasury bills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
- bonds issued in domestic market	605,711.1	65.2	616,626.2	65.1	616,659.1	65.0	32.9	0.0	10,948.0	1.8
1.2. Savings bonds	15,392.0	1.7	18,024.1	1.9	18,349.7	1.9	325.6	1.8	2,957.7	19.2
2. Other ST debt	23,430.0	2.5	26,108.3	2.8	26,491.9	2.8	383.7	1.5	3,061.9	13.1
<b>II. Foreign ST debt</b>	<b>283,939.9</b>	<b>30.6</b>	<b>285,805.2</b>	<b>30.2</b>	<b>287,434.4</b>	<b>30.3</b>	<b>1,629.2</b>	<b>0.6</b>	<b>3,494.5</b>	<b>1.2</b>
1. TS issued in foreign markets	213,102.2	23.0	211,863.7	22.4	213,228.9	22.5	1,365.2	0.6	126.7	0.1
2. Loans	70,822.6	7.6	73,926.4	7.8	74,190.4	7.8	264.0	0.4	3,367.8	4.8
3. Other ST debt	15.1	0.0	15.1	0.0	15.1	0.0	0.0	0.0	0.0	0.0

**Table 3. State Treasury debt by holder (PLN million)**

	Dec 2017	structure Dec 2017 %	July 2018	structure July 2018 %	Aug 2018	structure Aug 2018 %	change Aug 2018 – July 2018		change Aug 2018 – Dec 2017	
							PLN m	%	PLN m	%
<b>State Treasury debt</b>	<b>928,473.0</b>	<b>100.0</b>	<b>946,563.8</b>	<b>100.0</b>	<b>948,935.2</b>	<b>100.0</b>	<b>2,371.4</b>	<b>0.3</b>	<b>20,462.2</b>	<b>2.2</b>
<b>I. State Treasury debt held by residents</b>	<b>456,110.5</b>	<b>49.1</b>	<b>487,662.6</b>	<b>51.5</b>	<b>491,341.5</b>	<b>51.8</b>	<b>3,679.0</b>	<b>0.8</b>	<b>35,231.0</b>	<b>7.7</b>
<b>Domestic banking sector</b>	<b>257,325.5</b>	<b>27.7</b>	<b>273,884.7</b>	<b>28.9</b>	<b>274,481.4</b>	<b>28.9</b>	<b>596.7</b>	<b>0.2</b>	<b>17,155.8</b>	<b>6.7</b>
- domestic instruments	243,917.9	26.3	260,531.0	27.5	261,256.4	27.5	725.4	0.3	17,338.5	7.1
- foreign instruments	13,407.6	1.4	13,353.7	1.4	13,225.0	1.4	-128.7	-1.0	-182.6	-1.4
<b>Domestic non-banking sector</b>	<b>198,785.0</b>	<b>21.4</b>	<b>213,777.9</b>	<b>22.6</b>	<b>216,860.2</b>	<b>22.9</b>	<b>3,082.3</b>	<b>1.4</b>	<b>18,075.2</b>	<b>9.1</b>
- domestic instruments	197,234.4	21.2	208,933.1	22.1	211,715.2	22.3	2,782.0	1.3	14,480.8	7.3
- foreign instruments	1,550.6	0.2	4,844.8	0.5	5,145.0	0.5	300.2	6.2	3,594.4	231.8
<b>II. State Treasury debt held by non-residents</b>	<b>472,362.4</b>	<b>50.9</b>	<b>458,901.3</b>	<b>48.5</b>	<b>457,593.6</b>	<b>48.2</b>	<b>-1,307.6</b>	<b>-0.3</b>	<b>-14,768.8</b>	<b>-3.1</b>
- domestic instruments	203,380.8	21.9	191,294.5	20.2	188,529.2	19.9	-2,765.3	-1.4	-14,851.6	-7.3
- foreign instruments	268,981.7	29.0	267,606.7	28.3	269,064.4	28.4	1,457.7	0.5	82.8	0.0

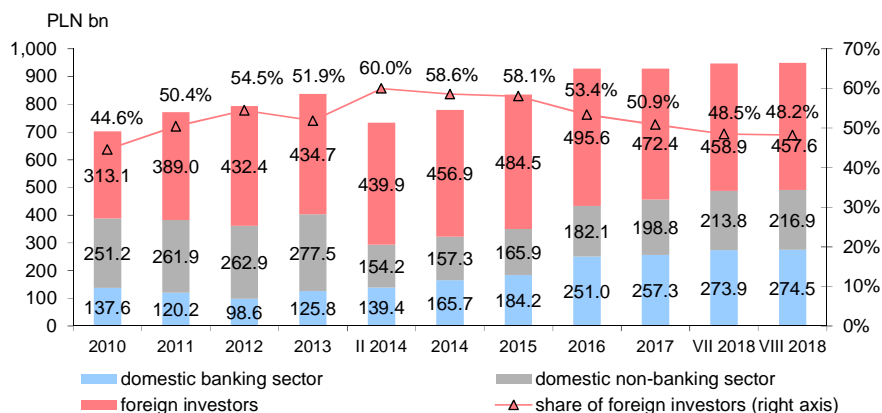
### ST debt according to the place of issue criterion

In August 2018 the share of foreign currency debt in total ST debt amounted to 30.3%, i.e. increased by 0.1 pp m/m and fell by 0.3 pp since the beginning of 2018. The increase in the share in August resulted from depreciation of zloty. The debt management strategy assumes reduction in the share of foreign currency debt in total ST debt to the level below 30%.



### ST debt by holder

In August 2018 the share of foreign investors in total ST debt amounted to 48.2%, i.e. decreased by 0.3 pp m/m and by 2.7 pp since the beginning of 2018. The decrease in the share in August was due to reduction of non-residents holdings in domestic TS.

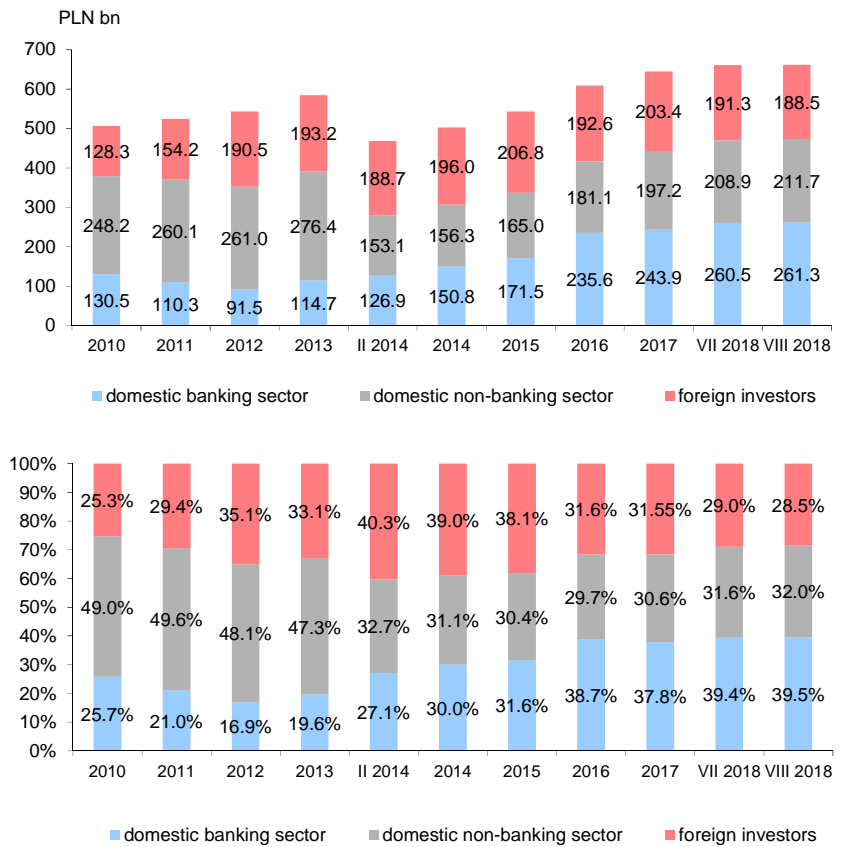


### Domestic ST debt by holder in nominal value and structure

In August 2018 an increase in domestic debt held by residents took place (PLN +3.5bn, including banks: PLN +0.7bn, non-banking investors: PLN +2.8bn). In case of foreign investors a decrease in holdings of PLN 2.8bn was recorded.

Since the beginning of 2018 changes in holdings of domestic debt by the type of investor amounted to as follows:

- domestic banking sector: PLN +17.3bn,
- domestic non-banking sector: PLN +14.5bn,
- foreign investors: PLN -14.9bn.

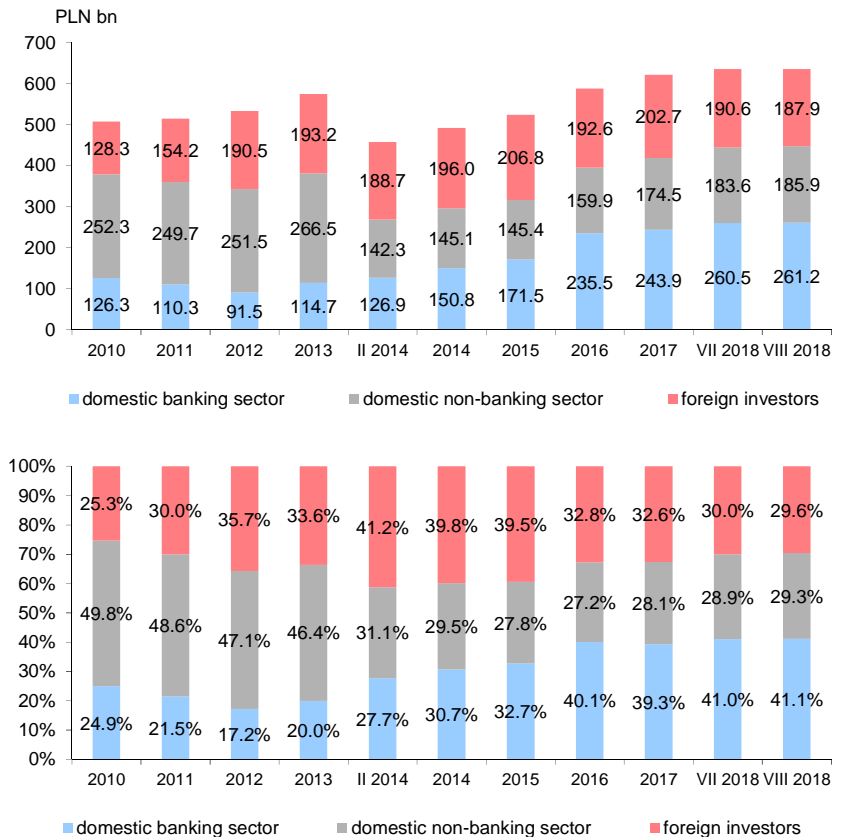


### Domestic TS debt by holder in nominal value and structure

In August 2018 residents increased their domestic TS holdings by PLN 3.1bn in total, including banks: PLN +0.8bn and non-banking investors: PLN +2.4bn. In case of foreign investors decrease in holdings was recorded (PLN -2.8bn).

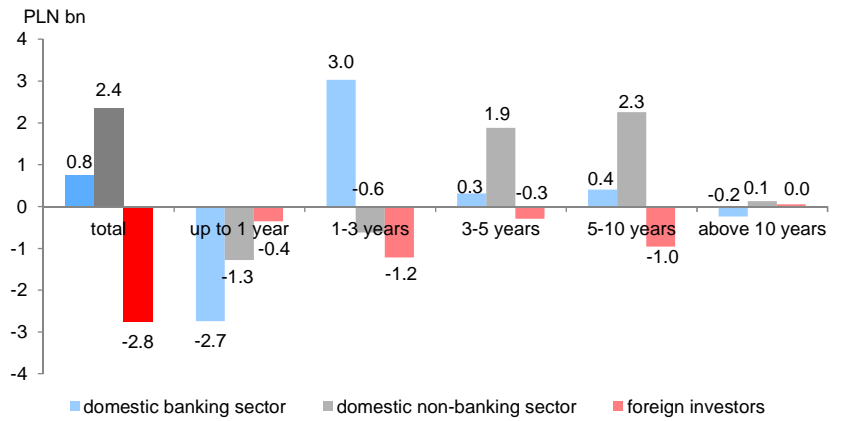
Since the beginning of 2018 changes in holdings of domestic TS debt by type of investor amounted to as follows:

- domestic banking sector: PLN +17.3bn,
- domestic non-banking sector: PLN +11.4bn,
- foreign investors: PLN -14.8bn.



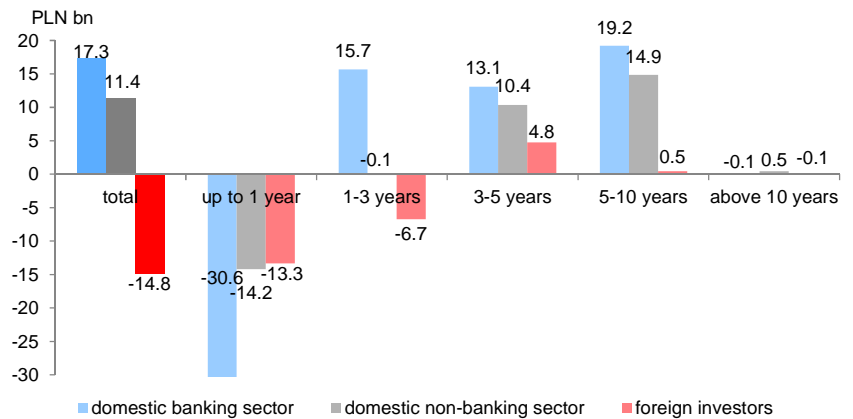
### Changes in domestic TS debt according to residual maturity by type of investor in August 2018 m/m\*

In August 2018 foreign investors decreased their domestic TS holdings in instruments with residual maturity below 10 years. As a result of the switching auction, domestic banking and non-banking sectors decreased their holdings in instruments with maturity below 1 year. At the same time, the holdings of these sectors in instruments with longer maturities increased: in the case of the domestic banking sector between 1 and 10 years, and in the case of the non-banking sector mainly between 3 and 10 years.



### Changes in domestic TS debt according to residual maturity by type of investor in 2018\*

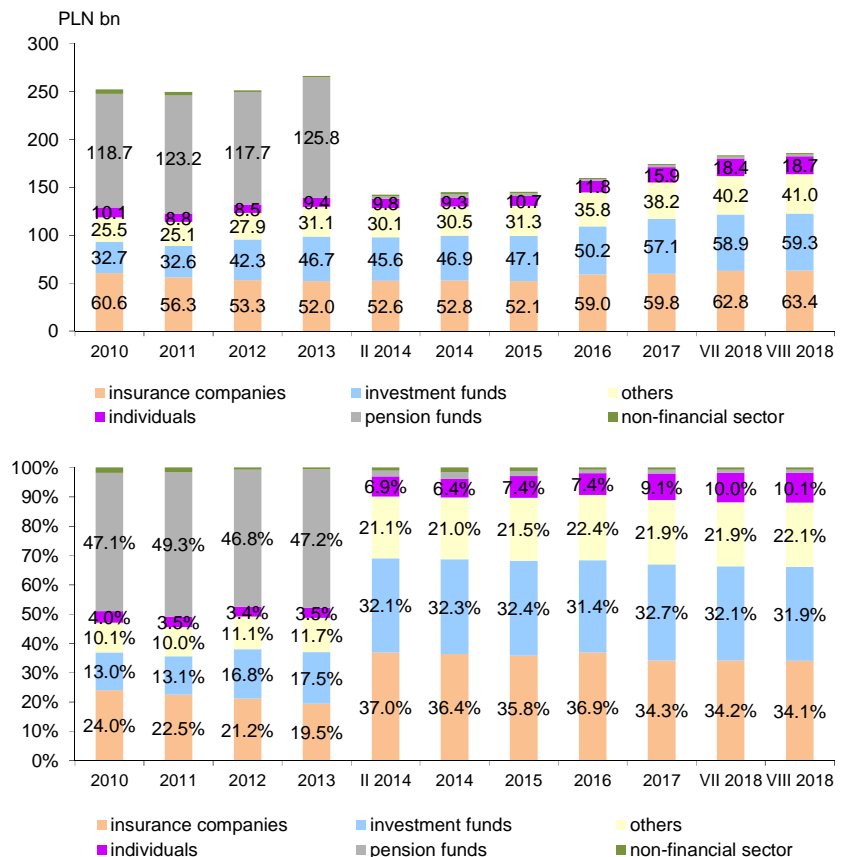
From January to August 2018 domestic investors increased their holdings in TS: banking sector in maturities between 1 and 10 years non-banking sector mainly in maturities between 3 and 10 years. Foreign investors, in turn, reduced the TS portfolio with short maturities of up to 3 years.



### Domestic TS debt towards domestic non-banking sector by holder – in nominal value and structure

Among domestic non-banking entities the main holders of domestic TS are insurance companies (34.1% share in August 2018), investment funds (31.9%) and so called other entities (22.1%, this category includes, among others, Bank Guarantee Fund and Demographic Reserve Fund). Individuals also have a significant and growing share of domestic TS holdings (10.1%).

In August 2018 domestic TS holdings of non-banking sector increased by PLN 2.4bn m/m and by PLN 11.4bn compared to the end of 2017. The increase in portfolio both: m/m and since the beginning of 2018 resulted mainly from the changes in holdings of insurance companies (PLN +0.7bn and PLN +3.6bn, respectively), investment funds (PLN +0.4bn m/m and PLN +2.2bn, respectively), other entities (PLN +0.9bn and PLN +2.9bn, respectively) and individuals (PLN +0.3bn and PLN +2.8bn, respectively).

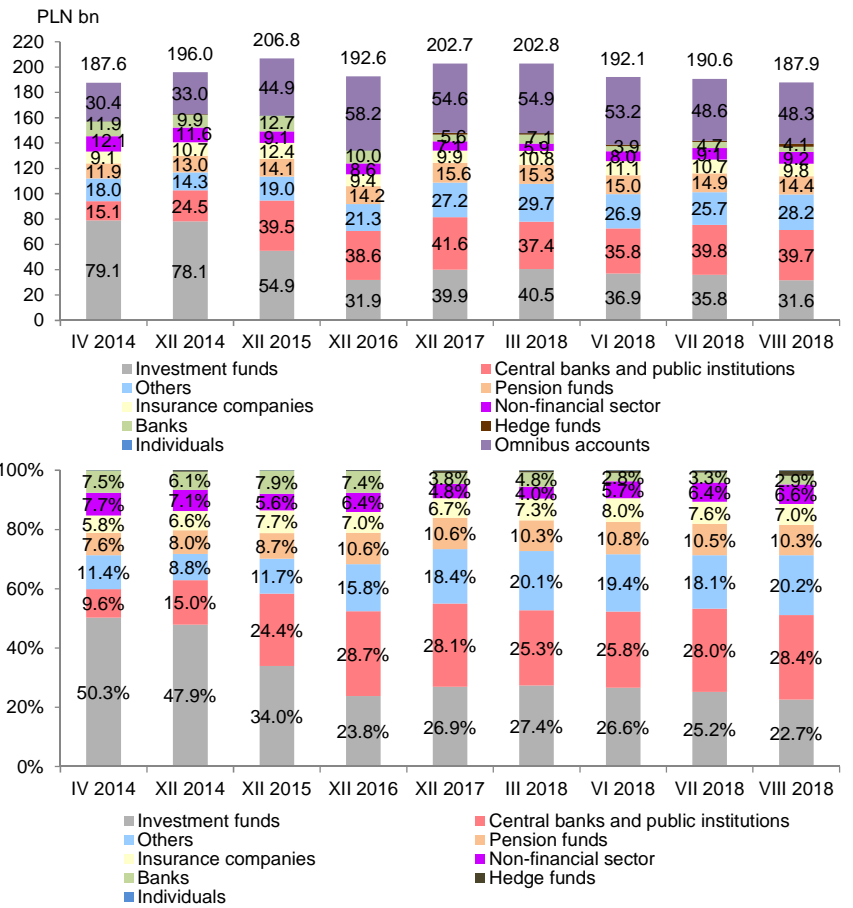


\*) Changes resulting only from cash flows, i.e. excluding statistical changes from the shift in classification of the security to next segment of residual maturity.

## Domestic TS debt towards non-residents by holder in nominal value and structure\*

Structure of non-residents holding domestic TS in their portfolios is well-diversified with dominant role of stable institutional investors: central banks and public institutions (28.4% share in August 2018), investment funds (22.7%), pension funds (10.3%) and insurance companies (7.0%). A significant part of domestic TS debt to foreign investors is registered on omnibus accounts (PLN 48.3bn), which allow investors to buy TS without the need to have a separate account in Poland.

\*) Percentage structure does not include omnibus accounts.

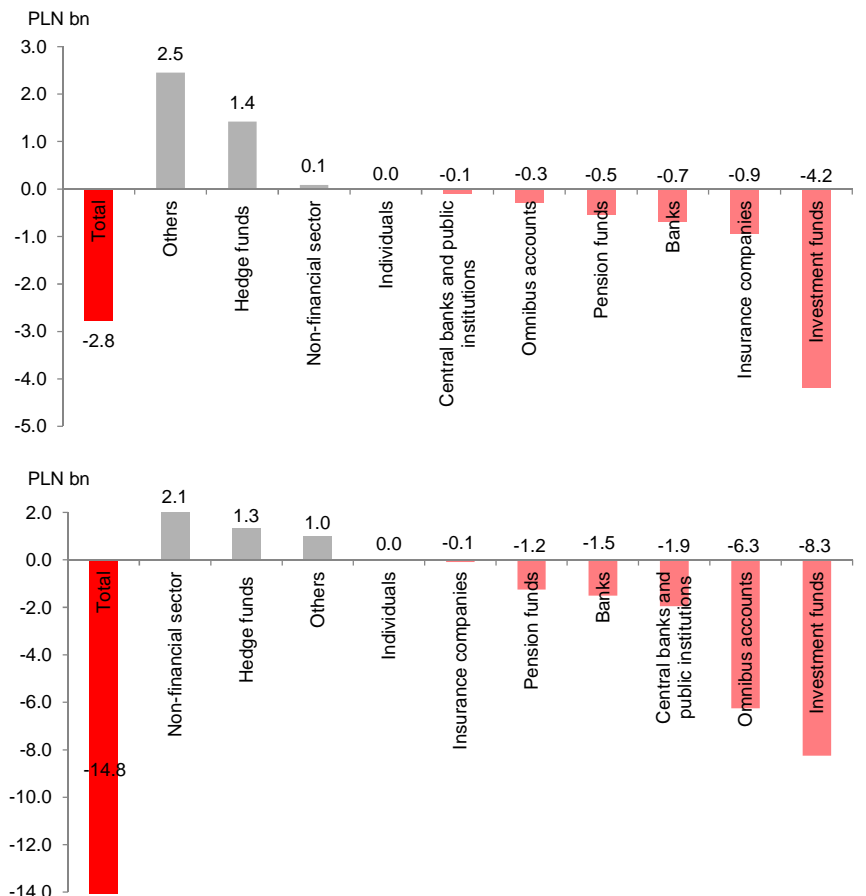


## Changes in domestic TS debt towards non-residents by holder in August 2018 m/m

In August 2018 foreign investors reduced their holdings in domestic TS debt by PLN 2.8bn. The biggest decrease in the portfolio concerned investment funds (PLN -4.2bn, mainly from the UK: PLN -2.0bn and Germany: PLN 1.4bn). The largest increase in the portfolio was recorded in the case of other entities (+2.5 bn PLN, mainly from the UK: PLN +2.0bn and Ireland: PLN +0.5bn).

## Changes in domestic TS debt towards nonresidents by holder in 2018

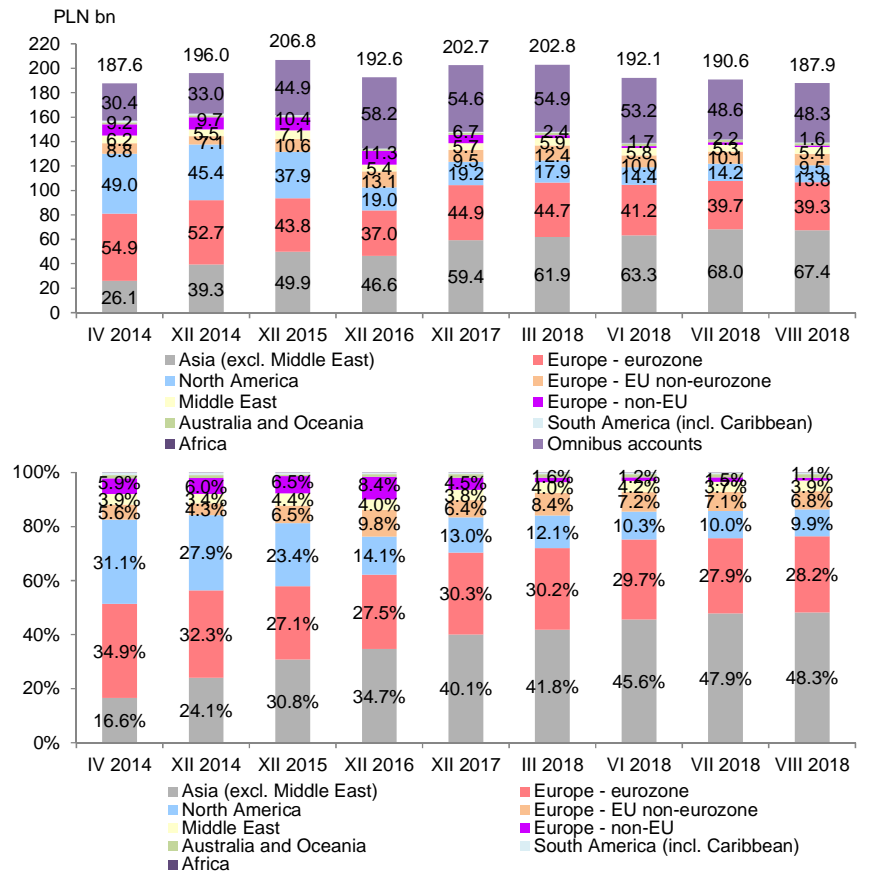
From January to August 2018 non-residents decreased their domestic TS portfolios by PLN 14.8bn. The biggest decrease in the portfolio concerned investment funds (PLN -8.3bn, mainly from the USA: PLN -3.2bn, the UK: PLN -2.4bn, Luxembourg: PLN -1.7bn and Germany: PLN -1.4bn with an increase in holdings of investors from Hong Kong: PLN +0.9bn) and omnibus accounts (PLN -6.3bn). On the other hand, the increase in exposure was recorded mainly among non-financial entities (PLN 2.1bn, which was a resultant of an increase in the portfolio of entities from Japan: +PLN 3.5bn, while the exposure of investors from Luxemburg decreased by PLN 0.4bn, from USA by PLN 0.3bn and from Switzerland by PLN 0.3bn).



### Domestic TS debt towards non-residents by region in nominal value and structure\*

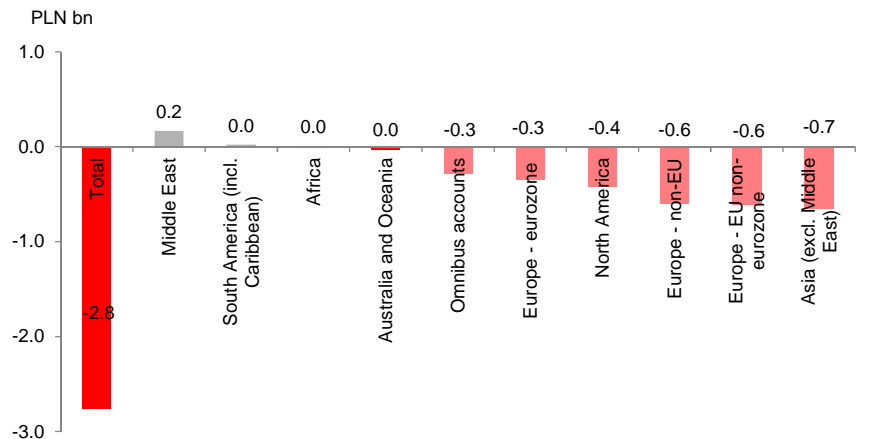
Geographical structure of domestic TS held by foreign investors is well-diversified. In August 2018 the largest TS portfolios were held by entities from Asia: 48.3%, representing debt in the amount of PLN 67.4bn, of which PLN 37.2bn was held by Asian central banks and PLN 23.9bn by investors from Japan. The second largest group of holders of TS were investors from eurozone countries: 28.2% (PLN 39.3bn, including from Luxembourg: PLN 15.0bn, Ireland: PLN 8.6bn, the Netherlands: PLN 7.3bn and Germany: PLN 6.0bn). Non-residents from North America held significant TS portfolios as well (9.9%, representing debt in the amount of PLN 13.8bn, of which PLN 12.8bn were held by investors from the USA). The share of investors from other regions amounted to 13.6%.

\*) Percentage structure does not include omnibus accounts.



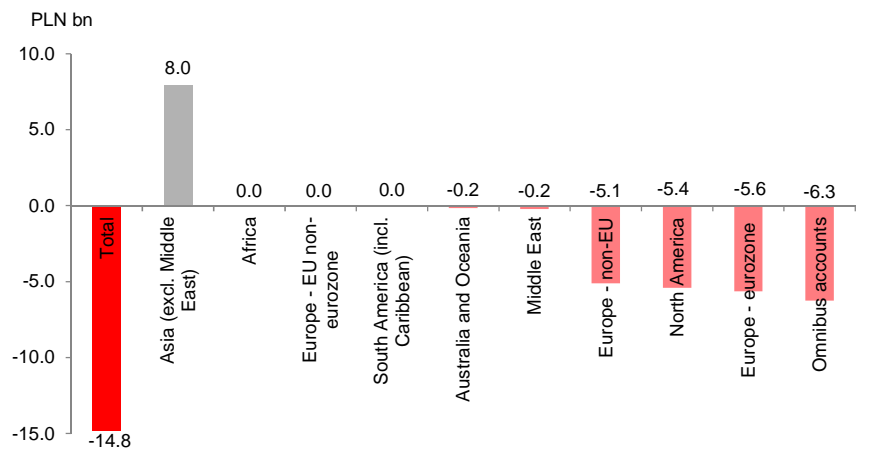
### Changes in domestic TS debt towards non-residents by region in August 2018 m/m

In August 2018 the decrease in domestic TS debt held by non-residents resulted mainly from the decrease in TS held by investors from Asia (PLN: -0.7bn, including from Japan: PLN -1.0bn), from EU non-eurozone countries (PLN -0.6bn, including from the UK: -0.6bn) and from European non-EU countries (PLN -0.6bn, including from Norway: PLN -0.5bn).



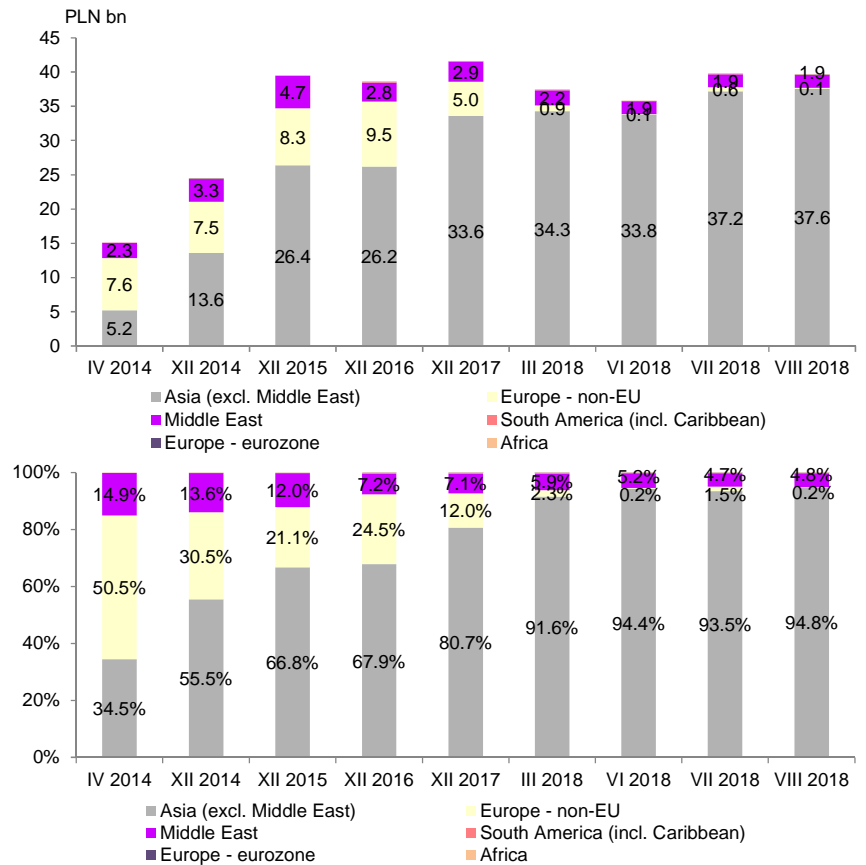
### Changes in domestic ST debt towards nonresidents by region in 2018

From January to August 2018 the decrease in non-residents holdings of domestic TS was mainly a resultant of a decrease in TS registered on omnibus accounts (PLN -6.3bn) and in portfolios of investors from EU eurozone countries (PLN -5.6bn, including Luxembourg: PLN -4.1bn and France: PLN -1.2bn), North America (PLN -5.4bn, including from the USA: PLN -5.4bn), non-EU Europe countries (PLN -5.1bn, including from Norway: PLN -4.9bn) and an increase in portfolios of investors from Asia (PLN +8.0bn, including Japan: PLN +3.3bn and Hong Kong: PLN +0.9bn).



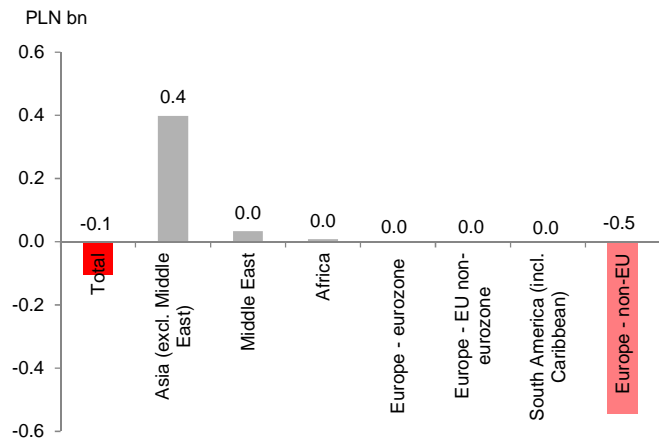
**Domestic TS debt towards foreign central banks and public institutions by region in nominal value and structure**

In the structure of domestic TS debt held by foreign central banks and public institutions, entities from Asia are predominant – in August 2018 their share amounted to 94.8%. Domestic TS were held also by central banks and public institutions from the Middle East (4.8%).



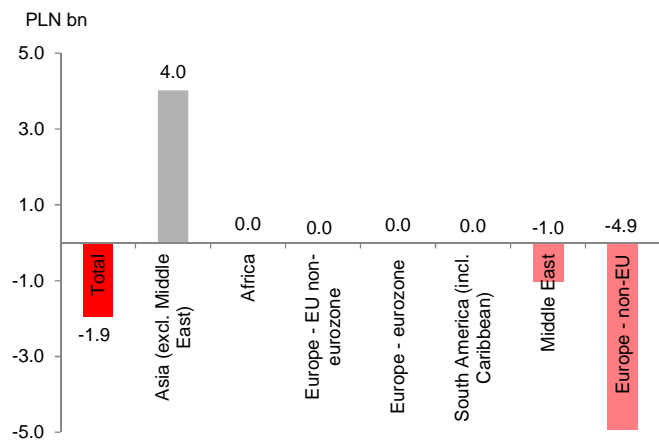
**Changes in domestic TS debt towards foreign central banks and public institutions by region in August 2018 m/m**

In August 2018 domestic TS debt held by foreign central banks and public institutions fell by PLN -0.1bn. It was mainly a resultant of an increase in holdings of entities from Asia (PLN +0.4bn) and a decrease in holdings of entities from European non-EU countries (PLN -0.5bn).



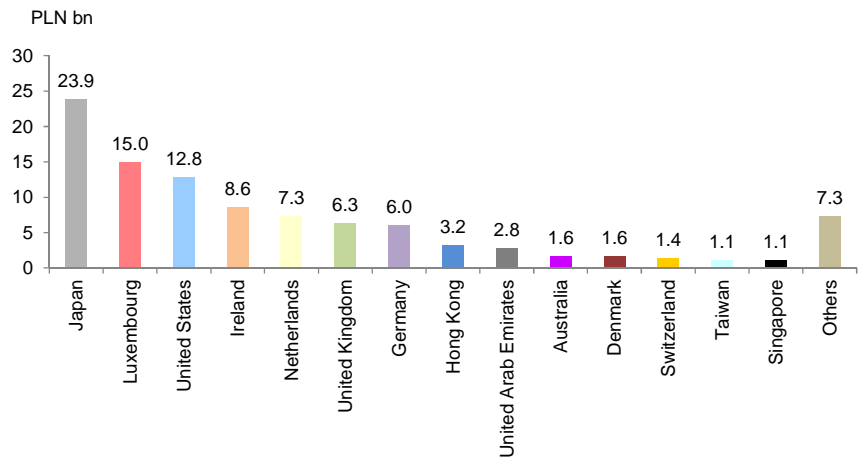
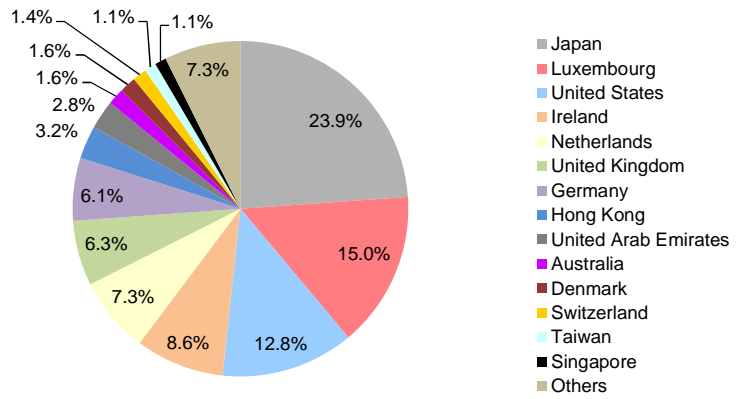
**Changes in domestic TS debt towards foreign central banks and public institutions by region in 2018**

From January to August 2018 a decrease in domestic TS holdings of central banks and public institutions was recorded (PLN -1.9bn). It was mainly a resultant of a decrease in portfolios of investors from European non-EU countries (PLN -4.9bn, entirely public institutions from Norway), from the Middle East (PLN -1.0bn) and in portfolios of investors from Asia (PLN +4.0bn).



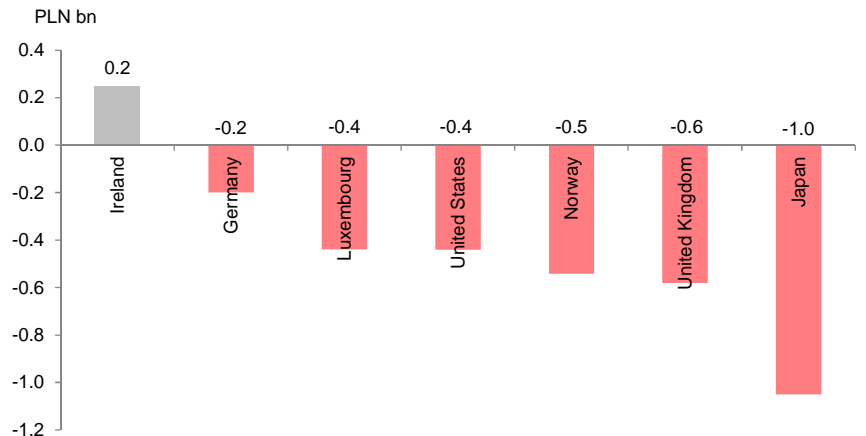
**Domestic TS debt towards non-residents by country\* in August 2018 – structure and nominal value**

In August 2018 domestic TS were held by investors from 60 countries, which confirms high diversification of non-residents structure. The largest TS portfolios were held by entities from Japan (23.9%, including mainly insurance companies: 8.9% share in non-resident debt in domestic TS and pension funds: 6.8%), Luxembourg (15.0%, including mainly investment funds: 7.8% and other entities: 6.0%), the USA (12.8%, including mainly investment funds: 4.9% and other entities: 4.9%), Ireland (8.6%, including mainly investment funds: 7.4%), the Netherlands (7.3%, including other entities: 4.4%), the UK (6.3%, including other entities: 2.3% and banks: 2.0%) and Germany (6.0%, including mainly hedge funds: 2.3% and investment funds: 2.0%).



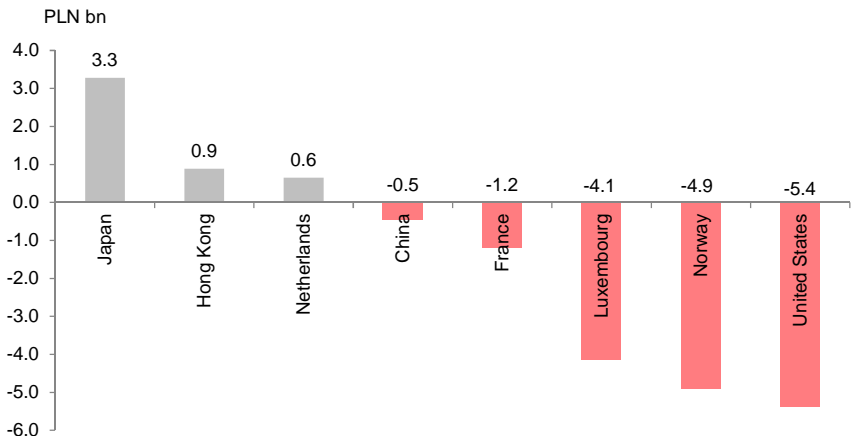
**Changes in domestic TS debt towards non-residents by country\* in August 2018 \*\* m/m**

In August 2018 the most notable changes in non-residents' domestic TS holdings were observed among investors from Japan (PLN -1.0bn), the UK (PLN -0.6bn), Norway (PLN -0.5bn), the USA (PLN -0.4bn), Luxembourg (PLN -0.4bn), UAE, Germany (PLN -0.2bn) and Ireland (PLN +0.2bn).



**Changes in domestic ST debt towards non-residents by country\* in 2018\*\*\***

From January to August 2018 the increase in TS portfolios mainly concerned non-residents from Japan (PLN +3.3bn), Hong Kong (PLN +0.9bn) and the Netherlands (PLN + 0.6bn). The highest decrease in portfolios was recorded among investors from the USA (PLN -5.4bn), Norway (PLN -4.9bn), and Luxembourg (PLN -4.1bn).



\*) Excluding omnibus accounts.

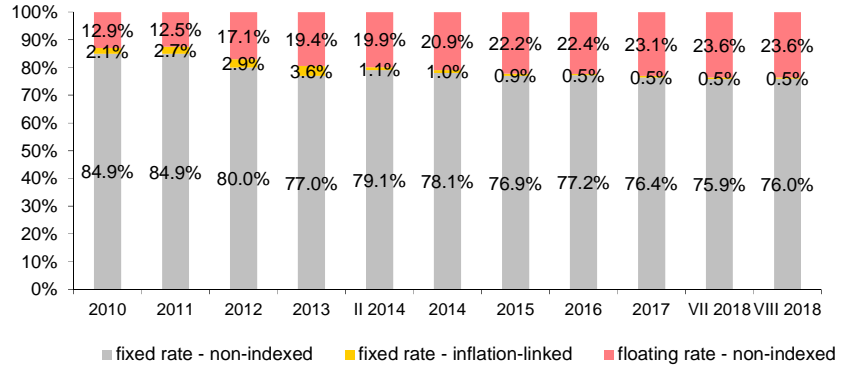
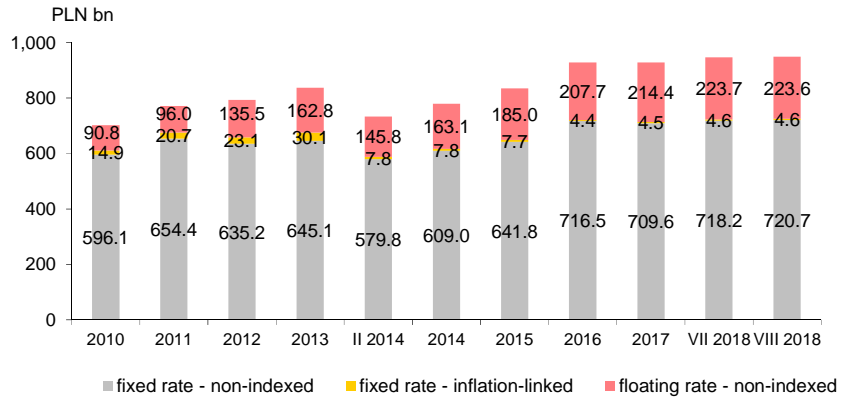
\*\*) Chart shows countries with change in debt amounted to at least PLN 0.2bn.

\*\*\*) Chart shows countries with change in debt amounted to at least PLN 0.4bn.



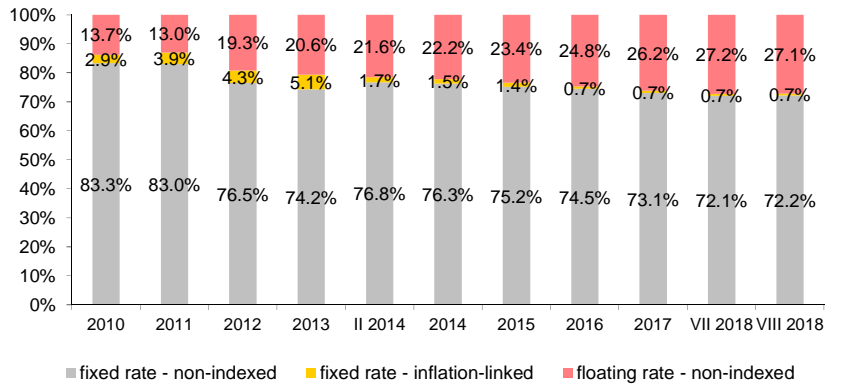
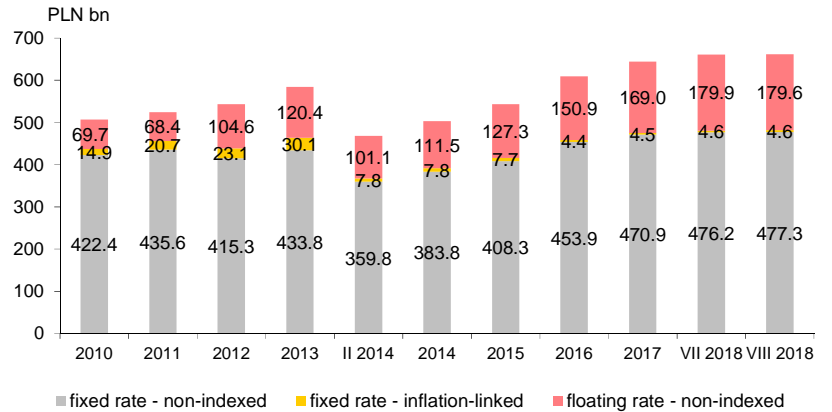
### ST debt by type of interest rate and indexation in nominal value and structure

The majority of ST debt comprised fixed rate instruments – their share in August 2018 amounted to 76.5%. The share of floating rate instruments stood at 23.6%, i.e. rose by 0.5 pp compared to the end of 2017.



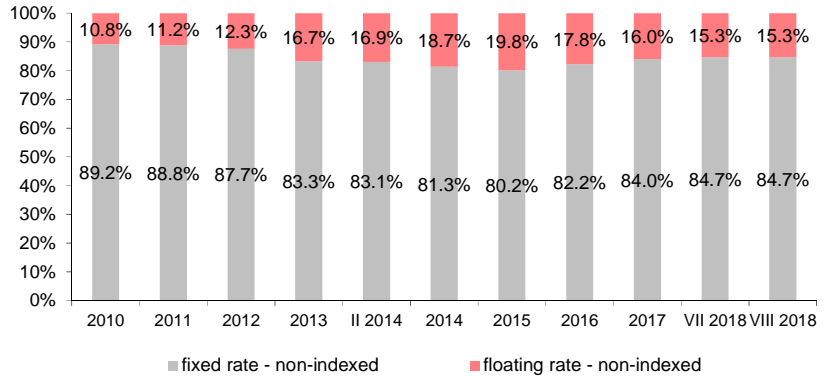
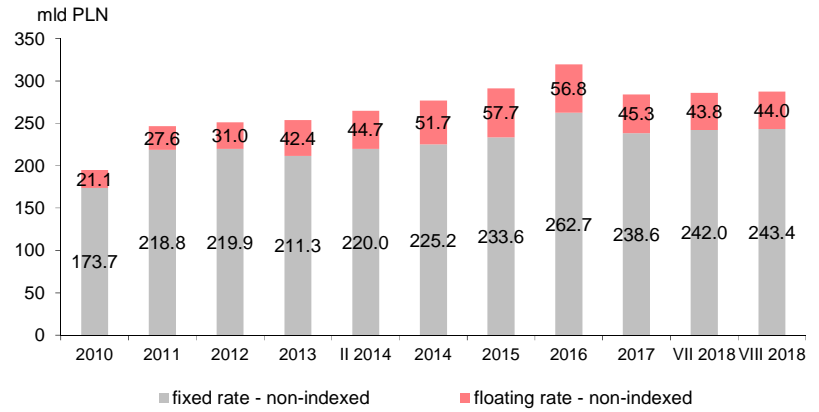
### Domestic ST debt by type of interest rate and type of indexation in nominal value and structure

In August 2018 the share of floating rate instruments in domestic ST debt amounted to 27.1%, i.e. fell by 0.1 pp m/m and rose by 0.9 pp compared to the end of 2017.



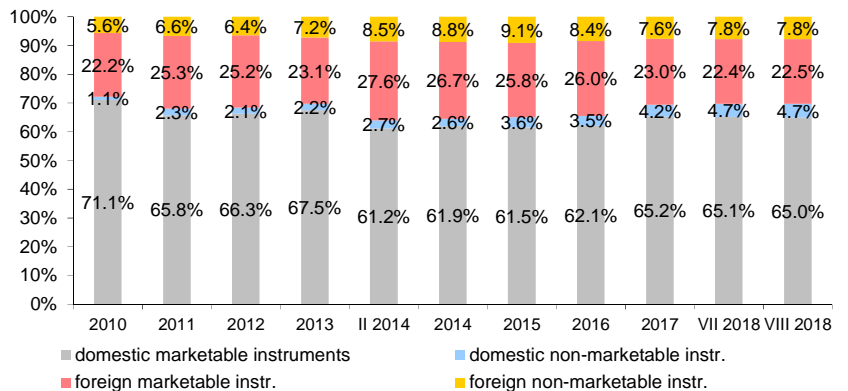
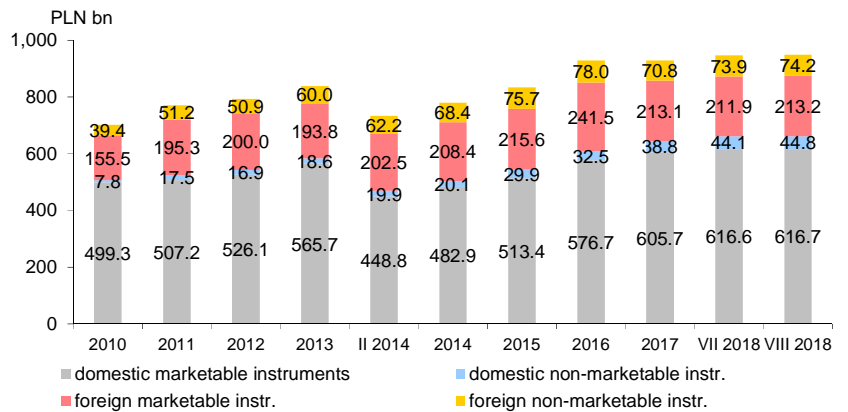
### Foreign ST debt by type of interest rate and type of indexation in nominal value and structure

In August 2018 the share of floating rate instruments in foreign ST debt amounted to 15.3%, i.e. decreased by 0.7 pp since beginning of 2018.



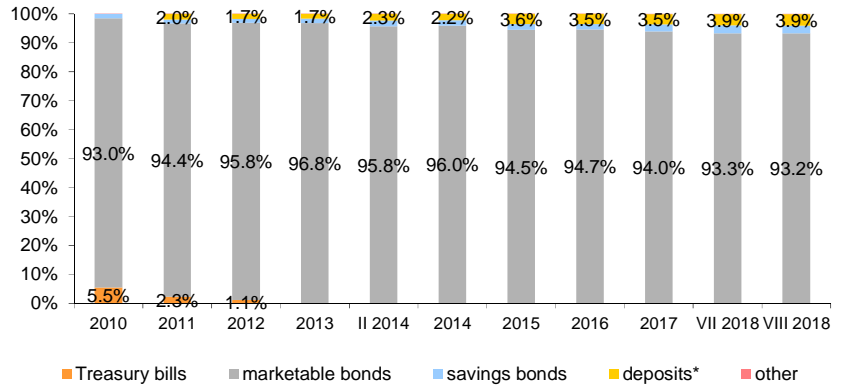
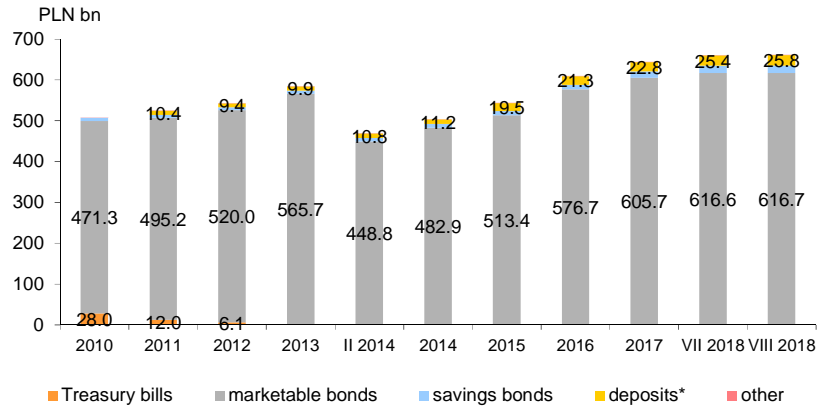
### ST debt by type of instrument in nominal value and structure

The structure of ST debt is dominated by marketable TS (87.5% in August 2018), including primarily instruments issued on domestic TS market (65.0%). Non-marketable instruments, i.e. loans from international financial institutions, domestic saving bonds, as well as deposits collected under liquidity management consolidation are complementary sources of financing of the State budget borrowing requirements.



### Domestic ST debt by type of instrument in nominal value and structure

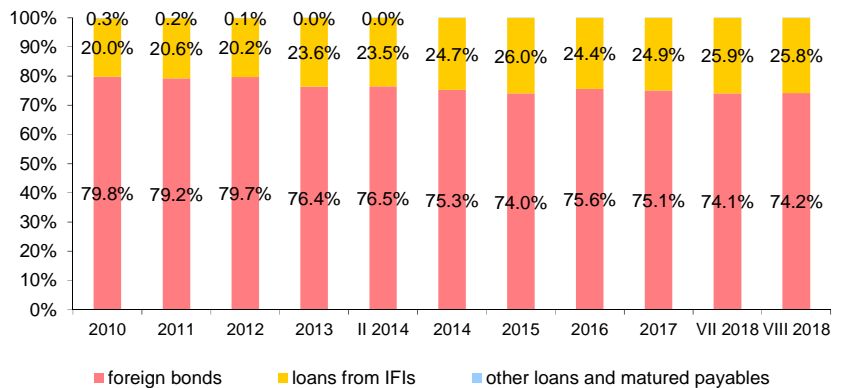
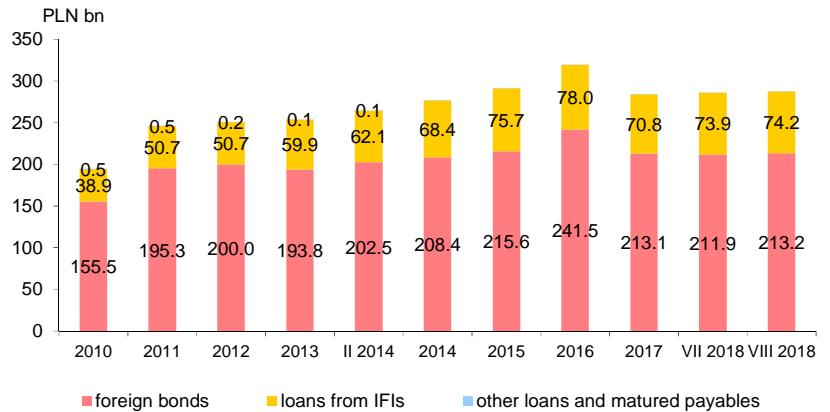
The vast majority of domestic ST debt constituted marketable bonds (93.2% in August 2018). Saving bonds, as well as deposits\* with total share of 3.9% are complementary and stable sources of financing. Since August 2017 there have been no Treasury bills in outstanding debt.



\* Deposits received from PFSE with legal personality, court deposits from PFSE with legal personality and entities from outside PFS and collateral under CSA agreements.

### Foreign ST debt by type of instrument in nominal value and structure

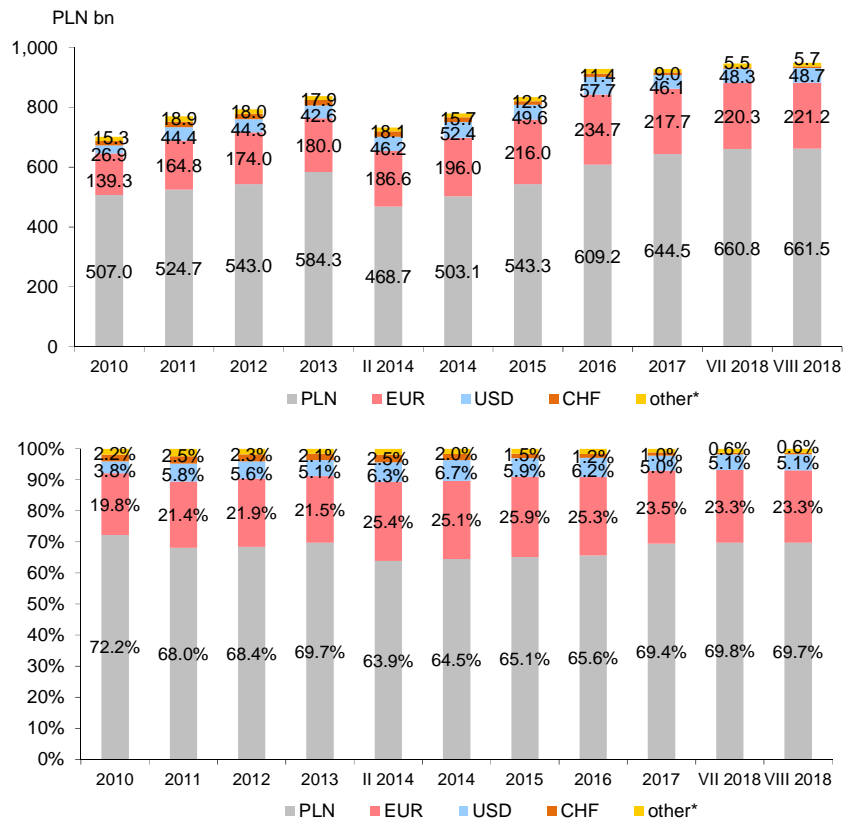
In ST debt denominated in foreign currencies dominant share accounted for international bonds (74.2% in August 2018). The share of loans from international financial institutions is significant as well (25.8%).



## ST debt by currency in nominal value and structure

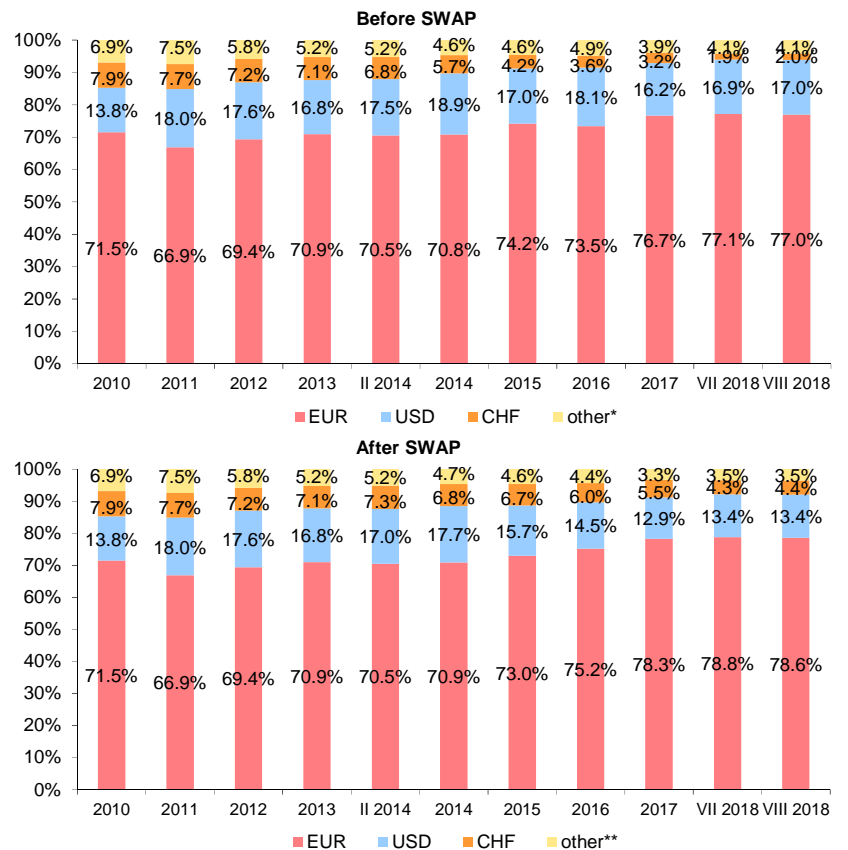
In accordance with the debt management strategy State budget borrowing requirements are mostly financed on domestic market. In August 2018 debt denominated in PLN comprised 69.7% of total ST debt, as compared to 69.4% at the end of 2017 and 69.8% in the previous month. The share of foreign currency denominated debt changed as follows:

- EUR – no change m/m and a decrease of 0.2 pp compared to the end of 2017;
- USD – no change m/m and an increase of 0.1 pp compared to the end of 2017;
- CHF – no change m/m and a decrease of 0.4 pp compared to the end of 2017;
- JPY – no change,
- CNY – no change.



## Structure of foreign ST debt by currency – before and after swap transactions

In August 2018 the share of EUR-denominated debt in foreign ST debt, including derivative transactions, amounted to 78.6%, i.e. remained above the minimum level of 70% assumed in the debt management strategy. The share of EUR increased by 0.3 pp compared to the end of 2017 which was mainly a result of drawing of loans from IFI, issuance of EUR-denominated bond and redemption of EUR0618 bond.



\*) JPY and CNY (since August 2016)

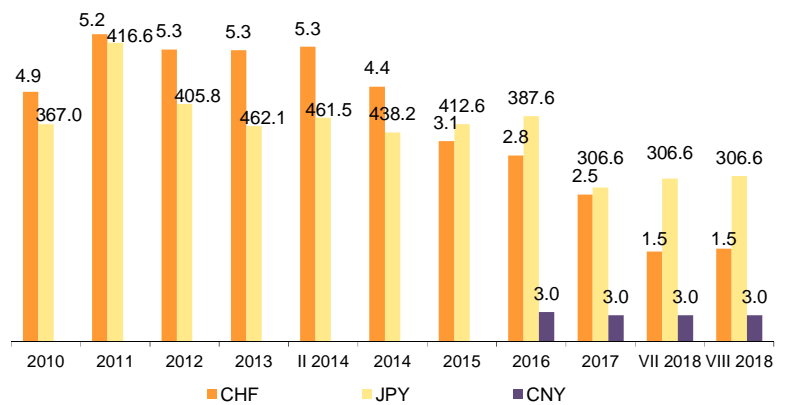
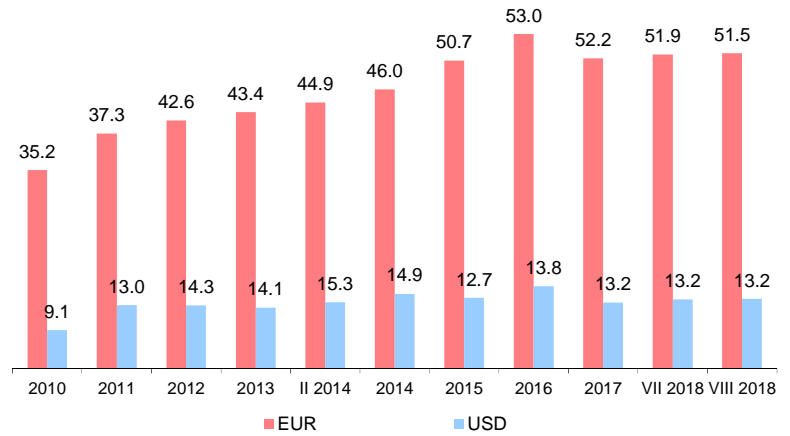
\*\*) JPY

**Foreign ST debt in original currency (billion  
\*\*\*)**

In August 2018 nominal value of debt denominated in EUR decreased by EUR 0.01bn to EUR 51.5bn. Debt denominated in other foreign currencies remained unchanged as compared to the previous month, i.e. amounted to USD 13.2bn, CHF 1.5bn, JPY 306.6bn and CNY 3.0bn.

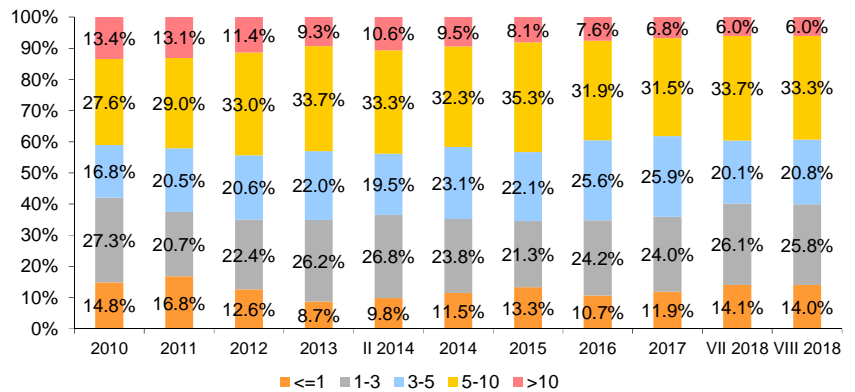
\*) Charts present debt excluding swap transactions.

\*\*) Charts present level of debt in issuance currencies, whereas proportions of columns on respective charts reflects the level of debt converted to PLN which allows to make it comparable.



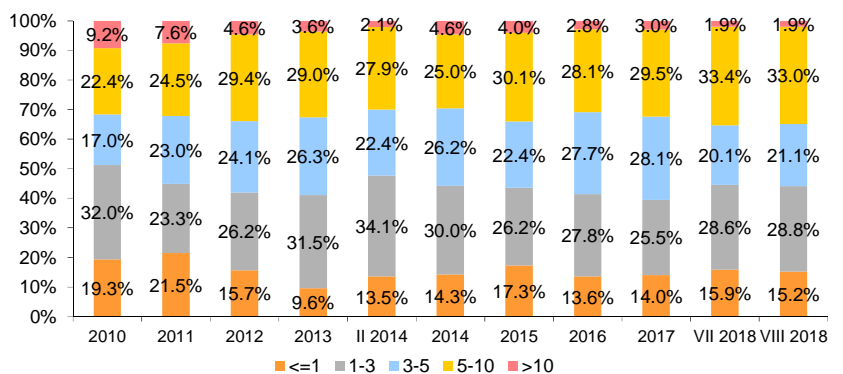
**ST debt by residual maturity (in years)**

In August 2018 the debt with the longest residual maturity (i.e. over 5 years) comprised 39.3% of the total ST debt, i.e. decreased by 0.4 pp m/m and increased by 1.0 pp as compared to the beginning of 2018. Debt with residual maturity of up to 1 year constituted 14.0% of ST debt, i.e. fell by 0.1 pp m/m and rose by 2.1 pp since the beginning of 2018.



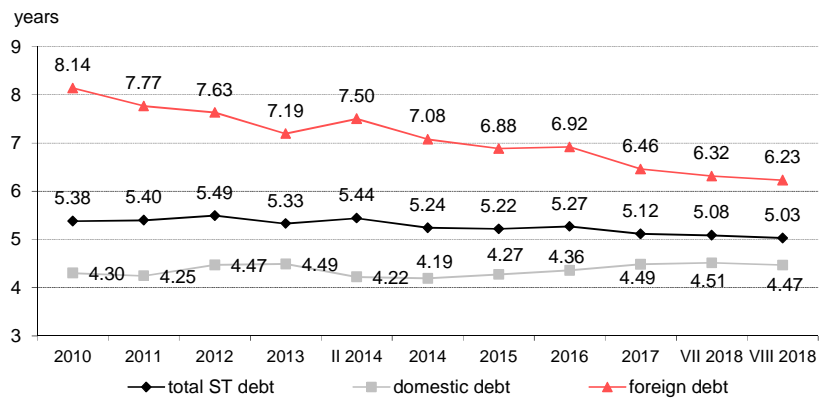
**Domestic ST debt by residual maturity (in years)**

In August 2018 domestic debt with residual maturity over 5 years accounted for 34.9%, i.e. decreased by 0.4 pp m/m and rose by 2.4 pp since the beginning of 2018. The share of debt with residual maturity up to 1 year amounted to 15.2%, i.e. fell by 0.7 pp m/m and rose by 1.2 pp in 2018 (which was mainly a resultant of WZ0118, PS0418 and PS0718 bonds redemption, change in classification of WZ0119, PS0419 and PS0719 bonds and switching auctions).



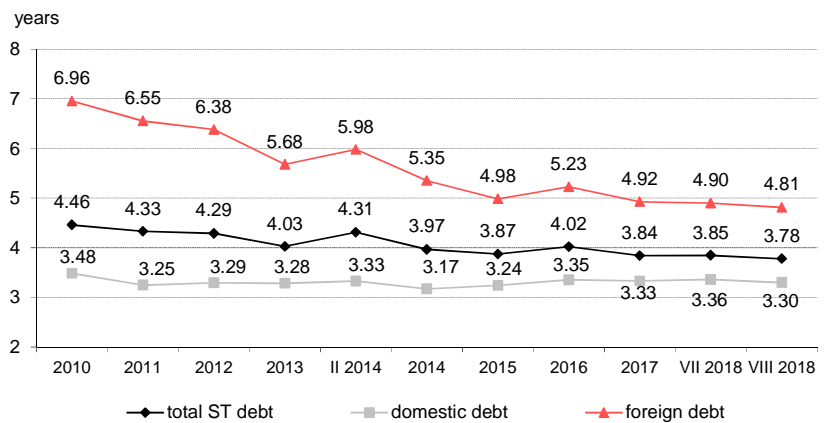
### ATM of ST debt

In August 2018 average time to maturity (ATM) of ST debt amounted to 5.03 years (i.e. decreased by 0.05 year m/m and by 0.09 years as compared to the end of 2017), remaining in line with debt management strategy, i.e. close to 5 years. ATM of domestic debt amounted to 4.47 years (i.e. decreased by 0.04 year m/m), which was mainly a resultant of debt ageing and switching auction. According to the debt management strategy, it is assumed to maintain ATM of domestic debt at the level close to 4.5 years. In August 2018 ATM of foreign debt decreased by 0.09 year (mostly due to debt aging), remaining at a safe level of 6.23 years.



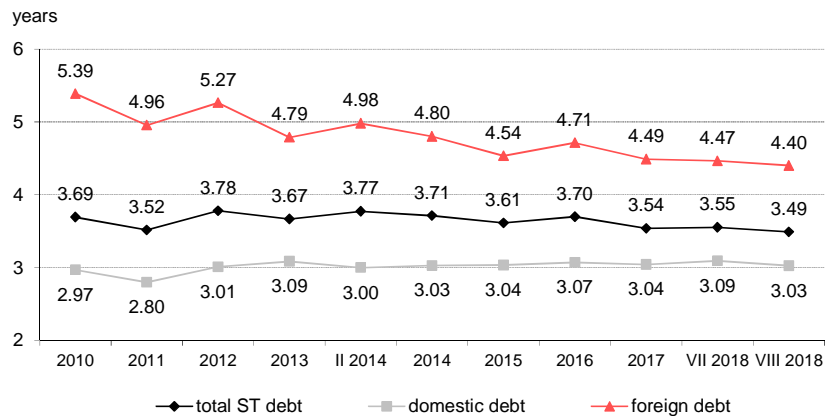
### ATR of ST debt

In August 2018 average time to refixing (ATR) of ST debt amounted to 3.78 years (a decrease by 0.07 year m/m and by 0.06 year as compared to the end of 2017). Decrease of ATR in August was a resultant of shortening of ATR of domestic debt (by 0.06 year to 3.30 years) and of foreign debt ATR (by 0.09 year to 4.81 years). The levels of ATR both categories resulted from changes in ATM and development of the share of floating rate instruments. In August 2018 ATR of domestic ST debt remained in line with debt management strategy, i.e. in the range 2.8-3.8 years.



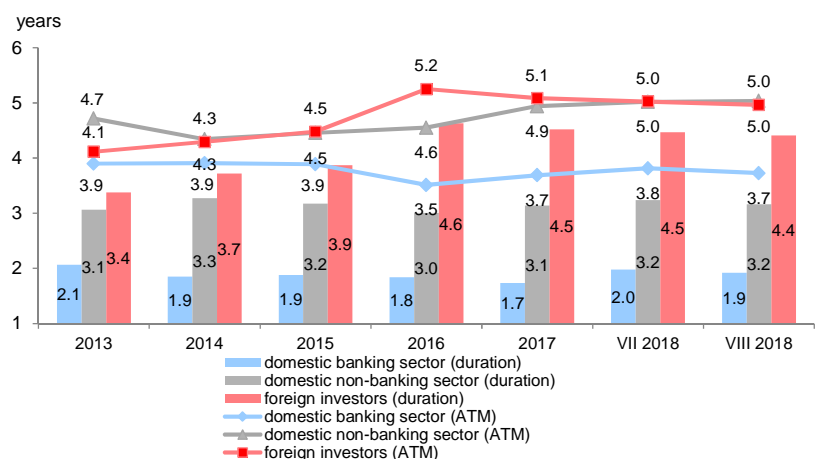
### Duration\* of ST debt

In August 2018 duration of ST debt amounted to 3.49 years (a decrease by 0.06 year m/m and by 0.05 year as compared to the end of 2017). Duration of domestic debt amounted to 3.03 years (down by 0.06 year m/m), while duration of foreign debt to 4.40 years (down by 0.07 year m/m). Changes in duration resulted mainly from changes in ATR. The levels of ATR, as well as duration indicated that interest rate risk of ST debt remained stable.

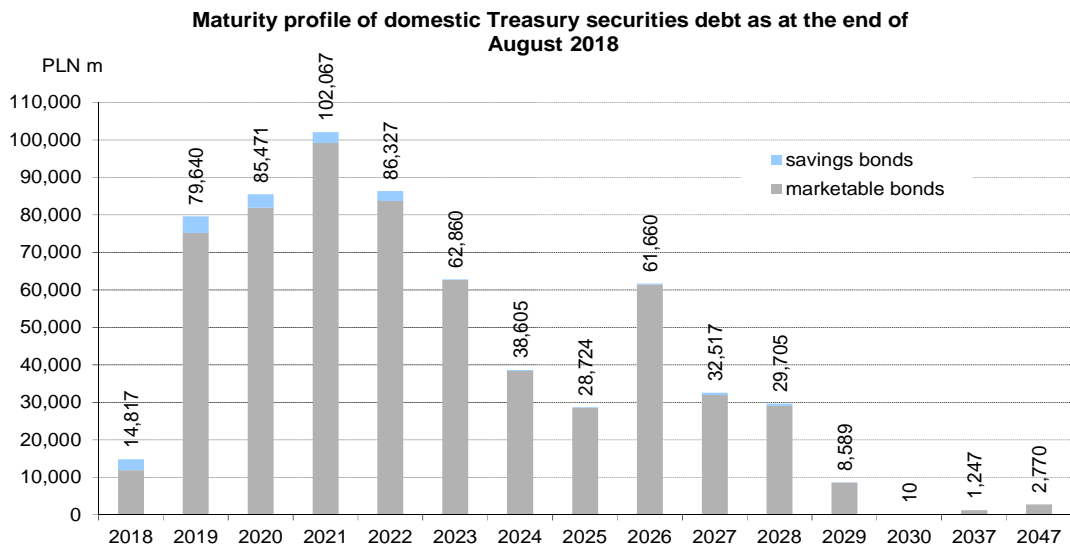
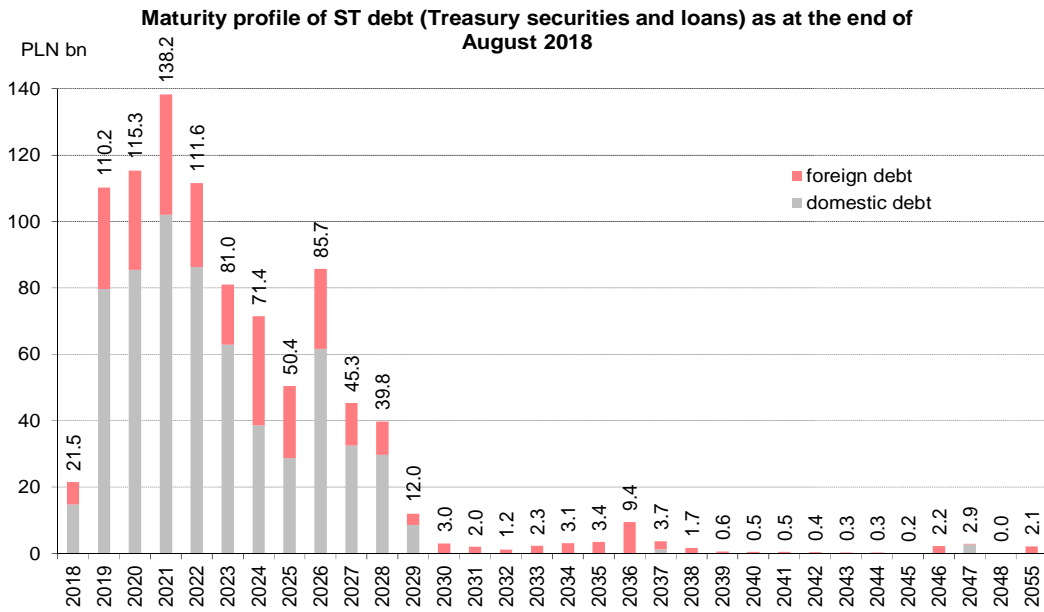


### ATM and duration\* of domestic ST debt by group of investors

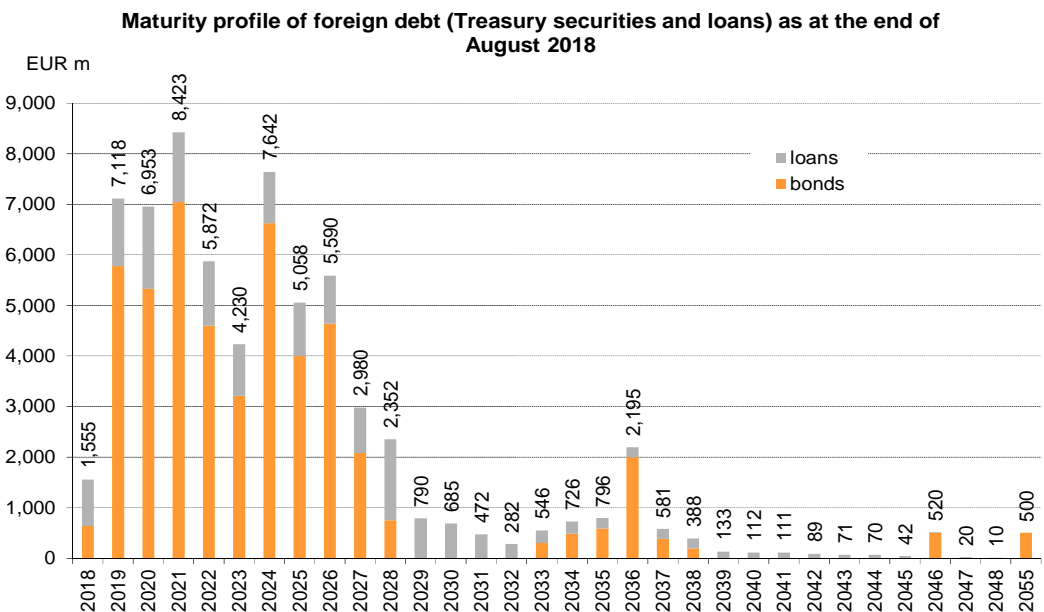
At the end of August 2018 ATM and duration of the portfolio of domestic TS held by foreign investors amounted to 5.0 and 4.4 years, respectively. ATM and duration of domestic non-banking sector portfolio stood at 5.0 and 3.2 years, respectively. ATM, as well as duration of portfolio held by domestic banking sector was significantly lower and amounted to 3.7 and 1.9 years, respectively. Since the end of 2017 the levels of ATM and duration remain relatively stable.



\*) Excluding inflation-linked bonds



\*) Data do not include a part of short-term domestic debt: (a) maturing in 2018 – other ST debt (PLN 21,977 – mainly deposits, (b) maturing in 2019 – deposits (PLN 4,515m) and (c) matured payables.



\*) Data do not include a part of short-term foreign debt maturing in 2018 – matured payables (PLN 15.1m).

**Table 4. State Treasury debt by instrument according to the place of issue criterion (PLN million)**

	Dec 2017	structure Dec 2017 %	July 2018	structure July 2018 %	Aug 2018	structure Aug 2018 %	change		change	
							Aug 2018 – July 2018		Aug 2018 – Dec 2017	
							PLN m	%	PLN m	%
<b>State Treasury Debt</b>	<b>928,473.0</b>	<b>100.0</b>	<b>946,563.8</b>	<b>100.0</b>	<b>948,935.2</b>	<b>100.0</b>	<b>2,371.4</b>	<b>0.3</b>	<b>20,462.2</b>	<b>2.2</b>
<b>I. Domestic debt</b>	<b>644,533.1</b>	<b>69.4</b>	<b>660,758.6</b>	<b>69.8</b>	<b>661,500.8</b>	<b>69.7</b>	<b>742.2</b>	<b>0.1</b>	<b>16,967.7</b>	<b>2.6</b>
<b>1. Treasury securities issued in domestic market</b>	<b>621,103.1</b>	<b>66.9</b>	<b>634,650.3</b>	<b>67.0</b>	<b>635,008.8</b>	<b>66.9</b>	<b>358.5</b>	<b>0.1</b>	<b>13,905.8</b>	<b>2.2</b>
<b>1.1. Marketable securities</b>	<b>605,711.1</b>	<b>65.2</b>	<b>616,626.2</b>	<b>65.1</b>	<b>616,659.1</b>	<b>65.0</b>	<b>32.9</b>	<b>0.0</b>	<b>10,948.0</b>	<b>1.8</b>
fixed rate	440,523.2	47.4	442,281.3	46.7	442,836.6	46.7	555.3	0.1	2,313.4	0.5
Treasury bills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
OK bonds	46,678.2	5.0	47,445.7	5.0	45,614.5	4.8	-1,831.3	-3.9	-1,063.8	-2.3
PS bonds	180,391.2	19.4	167,513.1	17.7	169,523.2	17.9	2,010.1	1.2	-10,868.0	-6.0
DS bonds	177,359.7	19.1	176,714.0	18.7	176,872.8	18.6	158.8	0.1	-486.8	-0.3
WS bonds	36,094.1	3.9	50,608.4	5.3	50,826.1	5.4	217.6	0.4	14,732.0	40.8
fixed rate - inflation-linked	4,543.7	0.5	4,608.1	0.5	4,612.8	0.5	4.7	0.1	69.1	1.5
IZ bonds	4,543.7	0.5	4,608.1	0.5	4,612.8	0.5	4.7	0.1	69.1	1.5
floating rate	160,644.1	17.3	169,736.8	17.9	169,209.7	17.8	-527.1	-0.3	8,565.6	5.3
WZ bonds	158,644.1	17.1	167,736.8	17.7	167,209.7	17.6	-527.1	-0.3	8,565.6	5.4
PP bonds	2,000.0	0.2	2,000.0	0.2	2,000.0	0.2	0.0	0.0	0.0	0.0
<b>1.2. Savings bonds</b>	<b>15,392.0</b>	<b>1.7</b>	<b>18,024.1</b>	<b>1.9</b>	<b>18,349.7</b>	<b>1.9</b>	<b>325.6</b>	<b>1.8</b>	<b>2,957.7</b>	<b>19.2</b>
fixed rate	6,987.0	0.8	7,858.5	0.8	7,984.3	0.8	125.8	1.6	997.3	14.3
OTS bonds	647.2	0.1	1,086.1	0.1	1,169.6	0.1	83.5	7.7	522.4	80.7
POS bonds	0.0	0.0	370.4	0.0	370.0	0.0	-0.4	-0.1	370.0	-
KOS bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	-
DOS bonds	6,339.8	0.7	6,402.0	0.7	6,444.7	0.7	42.7	0.7	105.0	1.7
floating rate	8,405.0	0.9	10,165.7	1.1	10,365.4	1.1	199.7	2.0	1,960.4	23.3
TOZ bonds	568.9	0.1	560.3	0.1	554.7	0.1	-5.6	-1.0	-14.2	-2.5
COI bonds	3,513.2	0.4	4,976.0	0.5	5,176.9	0.5	201.0	4.0	1,663.7	47.4
ROS bonds	10.1	0.0	17.4	0.0	18.4	0.0	0.9	5.4	8.3	82.1
EDO bonds	4,303.0	0.5	4,593.4	0.5	4,595.5	0.5	2.1	0.0	292.5	6.8
ROD bonds	9.8	0.0	18.5	0.0	19.8	0.0	1.3	7.2	10.1	102.8
<b>2. Other domestic debt</b>	<b>23,430.0</b>	<b>2.5</b>	<b>26,108.3</b>	<b>2.8</b>	<b>26,491.9</b>	<b>2.8</b>	<b>383.7</b>	<b>1.5</b>	<b>3,061.9</b>	<b>13.1</b>
deposits of PFSE*	18,518.7	2.0	19,767.1	2.1	20,199.1	2.1	432.0	2.2	1,680.4	9.1
other deposits**	4,235.6	0.5	5,678.6	0.6	5,630.2	0.6	-48.4	-0.9	1,394.6	32.9
matured payables	672.2	0.1	659.1	0.1	659.1	0.1	0.0	0.0	-13.1	-2.0
other	3.5	0.0	3.5	0.0	3.5	0.0	0.0	0.0	0.0	0.9
<b>II. Foreign debt</b>	<b>283,939.9</b>	<b>30.6</b>	<b>285,805.2</b>	<b>30.2</b>	<b>287,434.4</b>	<b>30.3</b>	<b>1,629.2</b>	<b>0.6</b>	<b>3,494.5</b>	<b>1.2</b>
<b>1. Treasury securities issued in international markets</b>	<b>213,102.2</b>	<b>23.0</b>	<b>211,863.7</b>	<b>22.4</b>	<b>213,228.9</b>	<b>22.5</b>	<b>1,365.2</b>	<b>0.6</b>	<b>126.7</b>	<b>0.1</b>
<b>1.1. Marketable securities</b>	<b>213,102.2</b>	<b>23.0</b>	<b>211,863.7</b>	<b>22.4</b>	<b>213,228.9</b>	<b>22.5</b>	<b>1,365.2</b>	<b>0.6</b>	<b>126.7</b>	<b>0.1</b>
fixed rate	211,851.0	22.8	210,580.3	22.2	211,940.3	22.3	1,360.0	0.6	89.4	0.0
EUR	145,656.2	15.7	145,114.9	15.3	145,705.2	15.4	590.2	0.4	49.0	0.0
USD	46,087.2	5.0	48,295.3	5.1	48,728.2	5.1	432.9	0.9	2,641.1	5.7
CHF	9,025.0	1.0	5,539.2	0.6	5,705.0	0.6	165.8	3.0	-3,320.1	-36.8
JPY	9,477.9	1.0	10,028.0	1.1	10,186.8	1.1	158.8	1.6	708.9	7.5
CNY	1,604.7	0.2	1,602.9	0.2	1,615.2	0.2	12.3	0.8	10.5	0.7
floating rate	1,251.3	0.1	1,283.4	0.1	1,288.6	0.1	5.2	0.4	37.3	3.0
EUR	1,251.3	0.1	1,283.4	0.1	1,288.6	0.1	5.2	0.4	37.3	3.0
<b>2. Loans</b>	<b>70,822.6</b>	<b>7.6</b>	<b>73,926.4</b>	<b>7.8</b>	<b>74,190.4</b>	<b>7.8</b>	<b>264.0</b>	<b>0.4</b>	<b>3,367.8</b>	<b>4.8</b>
fixed rate	26,745.8	2.9	31,363.7	3.3	31,454.6	3.3	90.9	0.3	4,708.7	17.6
EUR	26,745.8	2.9	31,363.7	3.3	31,454.6	3.3	90.9	0.3	4,708.7	17.6
floating rate	44,076.8	4.7	42,562.7	4.5	42,735.9	4.5	173.1	0.4	-1,340.9	-3.0
EUR	44,076.8	4.7	42,562.7	4.5	42,735.9	4.5	173.1	0.4	-1,340.9	-3.0
<b>3. Other foreign debt</b>	<b>15.1</b>	<b>0.0</b>	<b>15.1</b>	<b>0.0</b>	<b>15.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

\*) Deposits received from PFSE with legal personality

\*\*) Court deposits from PFSE with legal personality and entities from outside PFS and collateral under CSA agreements.







**Table 7. State Treasury debt by instrument according to the place of issue criterion in EUR million**

	Dec 2017	July 2018	Aug 2018	change		change	
				Aug 2018 – July 2018		Aug 2018 – Dec 2017	
				EUR m	%	EUR m	%
<b>State Treasury debt</b>	<b>222,607.3</b>	<b>221,268.3</b>	<b>220,924.1</b>	<b>-344.3</b>	<b>-0.2</b>	<b>-1,339.0</b>	<b>-0.6</b>
<b>I. Domestic debt</b>	<b>154,530.9</b>	<b>154,458.6</b>	<b>154,005.7</b>	<b>-452.9</b>	<b>-0.3</b>	<b>-72.3</b>	<b>0.0</b>
1. Treasury securities issued in domestic market	148,913.4	148,355.6	147,838.1	-517.5	-0.3	-557.9	-0.4
1.1. Marketable TS	145,223.1	144,142.3	143,566.0	-576.2	-0.4	-1,080.8	-0.7
- Treasury bills	0.0	0.0	0.0	0.0	-	0.0	-
- bonds issued in domestic market	145,223.1	144,142.3	143,566.0	-576.2	-0.4	-1,080.8	-0.7
1.2. Savings bonds	3,690.3	4,213.3	4,272.0	58.7	1.4	523.0	14.2
2. Other ST debt	5,617.5	6,103.1	6,167.7	64.6	1.1	485.6	8.6
<b>II. Foreign debt</b>	<b>68,076.4</b>	<b>66,809.7</b>	<b>66,918.4</b>	<b>108.7</b>	<b>0.2</b>	<b>-1,266.7</b>	<b>-1.9</b>
1. Treasury securities issued in foreign markets	51,092.6	49,525.2	49,642.4	117.2	0.2	-1,567.5	-3.1
2. Loans	16,980.2	17,281.0	17,272.5	-8.5	0.0	300.8	1.8
2.1. World Bank	7,015.8	6,904.5	6,904.5	0.0	0.0	-111.3	-1.6
2.2. European Investment Bank	9,753.6	10,151.3	10,142.8	-8.5	-0.1	397.8	4.1
2.3. Council of Europe Development Bank	210.8	225.2	225.2	0.0	0.0	14.4	6.8
3. Other ST debt	3.6	3.5	3.5	0.0	-0.4	-0.1	-2.5
<i>FX rate (EUR/PLN)</i>	4.1709	4.2779	4.2953	0.0	0.4	0.1	2.6

**Table 8. State Treasury debt by instrument according to the place of issue criterion in USD million**

	Dec 2017	July 2018	Aug 2018	change		change	
				Aug 2018 – July 2018		Aug 2018 – Dec 2017	
				USD m	%	USD m	%
<b>State Treasury debt</b>	<b>266,703.0</b>	<b>259,467.6</b>	<b>257,806.8</b>	<b>-1,660.8</b>	<b>-0.6</b>	<b>-7,235.3</b>	<b>-2.7</b>
<b>I. Domestic debt</b>	<b>185,141.5</b>	<b>181,124.0</b>	<b>179,716.6</b>	<b>-1,407.5</b>	<b>-0.8</b>	<b>-4,017.5</b>	<b>-2.2</b>
1. Treasury securities issued in domestic market	178,411.2	173,967.4	172,519.2	-1,448.1	-0.8	-4,443.9	-2.5
1.1. Marketable TS	173,989.9	169,026.7	167,534.0	-1,492.7	-0.9	-4,963.2	-2.9
- Treasury bills	0.0	0.0	0.0	0.0	-	0.0	-
- bonds issued in domestic market	173,989.9	169,026.7	167,534.0	-1,492.7	-0.9	-4,963.2	-2.9
1.2. Savings bonds	4,421.3	4,940.7	4,985.3	44.6	0.9	519.4	11.7
2. Other ST debt	6,730.2	7,156.7	7,197.3	40.7	0.6	426.4	6.3
<b>II. Foreign debt</b>	<b>81,561.5</b>	<b>78,343.6</b>	<b>78,090.2</b>	<b>-253.4</b>	<b>-0.3</b>	<b>-3,217.9</b>	<b>-3.9</b>
1. Treasury securities issued in foreign markets	61,213.4	58,075.1	57,930.1	-145.0	-0.2	-3,138.3	-5.1
2. Loans	20,343.7	20,264.4	20,156.1	-108.3	-0.5	-79.4	-0.4
2.1. World Bank	8,405.5	8,096.5	8,057.2	-39.3	-0.5	-309.0	-3.7
2.2. European Investment Bank	11,685.6	11,903.8	11,836.1	-67.7	-0.6	218.2	1.9
2.3. Council of Europe Development Bank	252.6	264.1	262.8	-1.3	-0.5	11.5	4.5
3. Other ST debt	4.3	4.1	4.1	0.0	-0.9	-0.2	-4.6
<i>FX rate (USD/PLN)</i>	3.4813	3.6481	3.6808	0.0	0.9	0.2	4.8

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