

of Poland

## **State Treasury Debt**

### November 2016

Monthly newsletter

# At the end of November 2016 State Treasury (ST) debt amounted to PLN 923,339.9 million, i.e.:

- increased by PLN 12,589.5m (1.4%) m/m
- increased by PLN 88,789.3m (10.6%) compared to the end of 2015.

# **Increase in debt in November 2016** was mainly a resultant of:

- financing of State budget deficit (PLN +2.9bn) and European Union budget deficit (PLN +6.2bn);
- FX rates movements (PLN +9.1bn) depreciation of PLN against EUR (by 2.6%), USD (by 5.7%), CHF (by 3.0%) and CNY (by 4.0%), and appreciation against JPY (by 1.9%);
- decrease in budget accounts balance (PLN -4.5bn).

# **Increase in debt since the beginning of 2016** was mainly a result of:

- financing of State budget deficit (PLN +27.6bn) and European Union budget deficit (PLN +14.7bn);
- increase in budget accounts balance (PLN +30.4bn), associated with collection of funds for financing borrowing requirements;
- depreciation of zloty (PLN +16.0bn) by 4.2% against EUR, 6.9% against USD, 4.5% against CHF and by 13.9% against JPY.

**In November 2016 domestic ST debt** (according to the place of issue criterion) increased by PLN 2.8bn which was mainly a result of:

• positive balance of issuance of marketable Treasury securities (TS; PLN +2.2bn):

Instrument	Sale (PLN bn)	Redemption/ repurchase (PLN bn)
OK1018	2.2	
IZ0823	0.2	
PS0422	2.9	
WZ1122	0.3	
WZ0126	0.5	
DS0727	1.5	
BS20161130		1.7
WZ0117		1.9
PS0417		0.6
DS1017		1.3

• positive balance of deposits (PLN +0.5bn).

# **In November 2016 ST debt in foreign currency** increased by PLN 9.7bn which was a result of:

• positive balance of debt issuance (PLN +0.6bn):

Instrument	Sale/drawing	Redemption
EUR1118	EUR 0.3bn	
loans from IFIs*	EUR 0.1bn	
JPY1116		JPY 25.0bn

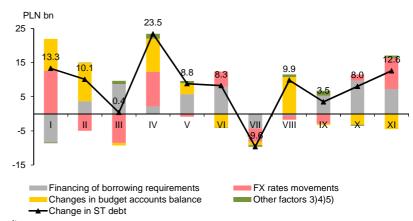
<sup>\*)</sup> IFIs – international financial institutions

• FX rates movements (PLN +9.1bn).

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

	Nov 2016 -	Nov 2016 –
	Oct 2016	Dec 2015
Change in the State Treasury debt	12.6	88.8
1. State budget borrowing requirements:	7.3	37.5
1.1. State budget deficit	2.9	27.6
1.2. European Union funds budget deficit	6.2	14.7
1.3. Pension reform costs <sup>1)</sup>	0.2	2.9
1.4. Proceeds from privatisation	0.0	0.0
1.5. Deposits from pfse and court deposits balance	-0.2	-3.6
1.6. European funds management	-1.8	-4.0
1.7. Granted loans balance	-0.1	0.1
1.8. Other borrowing requirements <sup>2)</sup>	0.0	-0.2
2. Changes not resulting from State budget borrowing requirements:	4.8	49.0
2.1. FX rates movements	9.1	16.0
2.2. Changes in budget accounts balance	-4.5	30.4
2.3. Other factors <sup>3)</sup>	0.2	2.6
3. Change in other State Treasury debt:	0.5	2.3
3.1. Deposits from pfse <sup>4)</sup>	0.5	2.1
3.2. Court deposits <sup>5)</sup>	0.0	0.0
3.3. Other ST debt	0.0	0.1

#### Factors affecting changes in ST debt in I-XI 2016



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

**Since the beginning of 2016 domestic ST debt** increased by PLN 62.9bn. At the same time **foreign currency debt** increased by PLN 25.9bn which was a resultant of:

- increase in EUR-, USD- and CNY-denominated debt (EUR +0.9bn, USD +1.8bn and CNY +3.0bn, respectively),
- decrease in debt denominated in CHF (CHF -0.4bn) and JPY (JPY -25,0bn),
- depreciation of zloty (PLN +16.0bn).

<sup>&</sup>lt;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>&</sup>lt;sup>4)</sup> Deposits received from public finance sector entities (pfse) with legal personality

<sup>5)</sup> Court deposits from pfse with legal personality and entities from outside pfs

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

		structure		structure		structure	chan	ige	chan	ge
	Dec 2015	Dec 2015	Oct 2016	Oct 2016	Nov 2016	Nov 2016	Nov 20	016 –	Nov 20	016 –
	Dec 2013	%	Oct 2010	%	NOV 2010	%	Oct 2	016	Dec 2	015
		70		70		70	PLN m	%	PLN m	%
State Treasury debt	834,550.6	100.0	910,750.4	100.0	923,339.9	100.0	12,589.5	1.4	88,789.3	10.6
I. Domestic ST debt	543,262.2	65.1	603,339.4	66.2	606,188.1	65.7	2,848.7	0.5	62,925.9	11.6
1. Treasury securities (TS)	523,695.5	62.8	582,139.7	63.9	584,464.4	63.3	2,324.7	0.4	60,768.9	11.6
1.1. Marketable TS	513,385.1	61.5	571,099.9	62.7	573,291.4	62.1	2,191.5	0.4	59,906.3	11.7
- Treasury bills	0.0	0.0	1,692.0	0.2	0.0	0.0	-1,692.0	-100.0	0.0	-
<ul> <li>bonds issued in domestic market</li> </ul>	513,385.1	61.5	569,407.9	62.5	573,291.4	62.1	3,883.5	0.7	59,906.3	11.7
1.2. Savings bonds	10,310.4	1.2	11,039.8	1.2	11,173.0	1.2	133.1	1.2	862.6	8.4
2. Other ST debt	19,566.7	2.3	21,199.7	2.3	21,723.7	2.4	524.1	2.5	2,157.0	11.0
II. Foreign ST debt	291,288.4	34.9	307,411.0	33.8	317,151.8	34.3	9,740.8	3.2	25,863.4	8.9
1. TS issued in foreign markets	215,629.4	25.8	234,365.6	25.7	241,741.1	26.2	7,375.5	3.1	26,111.7	12.1
2. Loans	75,652.5	9.1	72,929.3	8.0	75,294.6	8.2	2,365.3	3.2	-357.9	-0.5
3. Other ST debt	6.5	0.0	116.1	0.0	116.1	0.0	0.0	0.0	109.6	1,682.9

Table 3. State Treasury debt by holder (PLN	million)	1)
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	Dec 2015	structure Dec 2015	Oct 2016	structure Oct 2016 %	Nov 2016	structure Nov 2016 %	Char Nov 20 Oct 2	016 – 016	char Nov 20 Dec 2	016 – 2015
C4-4- T J-b4	024 550 6	100.0	010 550 4	100.0	022 220 0	100.0	PLN m	%	PLN m	% 10.6
State Treasury debt	834,550.6	100.0	910,750.4	100.0	923,339.9	100.0	12,589.5	1.4	88,789.3	10.6
I. State Treasury debt towards residents	350,092.5	41.9	422,756.9	46.4	436,410.4	47.3	13,653.5	3.2	86,317.8	24.7
Domestic banking sector	184,177.6	22.1	244,839.9	26.9	256,306.3	27.8	11,466.5	4.7	72,128.7	39.2
- domestic instruments	171,499.8	20.5	228,295.3	25.1	238,812.0	25.9	10,516.7	4.6	67,312.2	39.2
- foreign instruments	12,677.8	1.5	16,544.6	1.8	17,494.4	1.9	949.8	5.7	4,816.5	38.0
Domestic non-banking sector	165,914.9	19.9	177,917.0	19.5	180,104.0	19.5	2,187.1	1.2	14,189.1	8.6
- domestic instruments	164,990.4	19.8	176,906.1	19.4	179,219.2	19.4	2,313.1	1.3	14,228.8	8.6
- foreign instruments	924.6	0.1	1,010.9	0.1	884.9	0.1	-126.0	-12.5	-39.7	-4.3
II. State Treasury debt towards non-residents	484,458.1	58.1	487,993.5	53.6	486,929.6	52.7	-1,064.0	-0.2	2,471.5	0.5
- domestic instruments	206,772.1	24.8	198,138.0	21.8	188,157.0	20.4	-9,981.0	-5.0	-18,615.1	-9.0
- foreign instruments	277,686.0	33.3	289,855.5	31.8	298,772.6	32.4	8.917.0	3.1	21.086.5	7.6

PLN bn

1 000

900

800

## ST debt according to the place of issue criterion

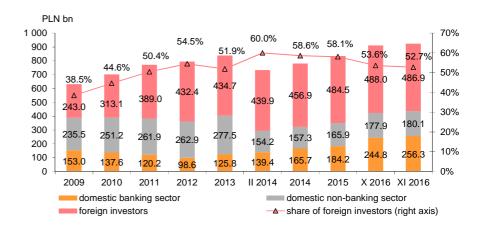
In November 2016 the share of foreign currency debt in total ST debt amounted to 34.3%, i.e. increased by 0.6 pp m/m and simultaneously decreased by 0.6 pp compared to the end of 2015. The increase in the share in November resulted mainly from depreciation of zloty against EUR and USD. The debt management strategy assumes reduction in the share of foreign currency debt in total ST debt – ultimately below 30% level.

#### 27.8% 30% 26.7% 700 25% 600 500 20% 400 15% 300 10% 200 5% 100 0% 2009 2010 2013 II 2014 2014 domestic debt foreign debt — share of foreign debt (right axis)

32.0% 31.6%

#### ST debt by holder

In November 2016 the share of foreign investors in total ST debt amounted to 52.7%, i.e. decreased by 0.8 pp m/m and by 5.3 pp compared to the end of 2015. Decrease in the share in November was mainly a resultant of decrease in non-residents' domestic debt holdings and depreciation of zloty against EUR and USD.



36.1%

30.3%

34.9%

33.8%

35,5%

40%

35%

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

In November 2016 residents increased their domestic ST debt portfolios by PLN 12.8bn in total, including banks: PLN +10.5bn, non-banking investors: PLN +2.3bn. In case of foreign investors decrease in portfolios was observed (PLN -10.0bn).

Since the beginning of 2016 changes in holdings of domestic debt by type of investor have amounted to as follows:

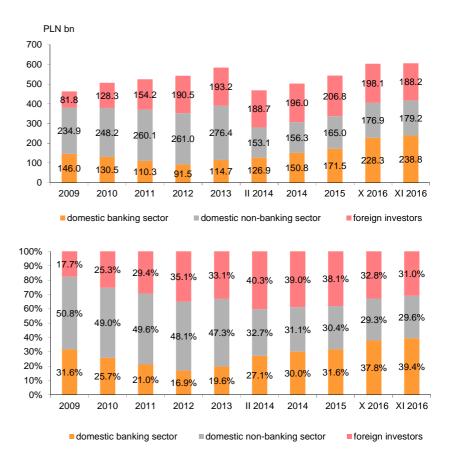
- domestic banking sector: PLN +67.3bn,
- domestic non-banking sector: PLN +14.2bn,
- foreign investors: PLN -18.6bn.

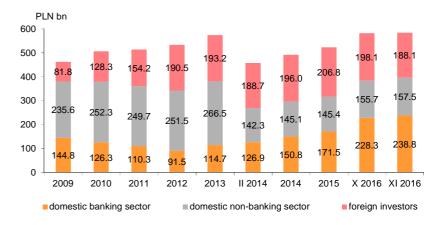
# Domestic TS debt by holder in nominal value and structure

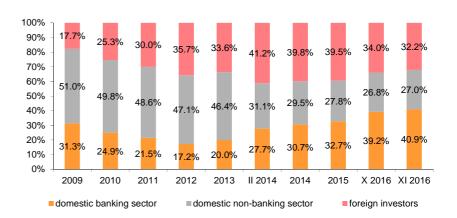
In November 2016 residents increased domestic TS portfolios by PLN 12.3bn in total, including banks: PLN +10.5bn, non-banking investors: PLN +1.8bn. In case of foreign investors decrease in portfolios was recorded (PLN -10.0bn).

Since the beginning of 2016 changes in holdings of domestic debt by type of investor have amounted to as follows:

- domestic banking sector: PLN +67.3bn,
- domestic non-banking sector: PLN +12.1bn,
- foreign investors: PLN -18.6bn.







# Changes in domestic TS debt according to residual maturity by type of investor in November 2016 m/m\*

In November 2016 increase in domestic banks' TS holdings with maturity above 1 year was observed. Domestic non-banking sector reduced its portfolios of the shortest instruments and simultaneously increased holdings with maturity above 3 years. In case of foreign investors decrease in holdings of TS from virtually all maturity segments was observed.

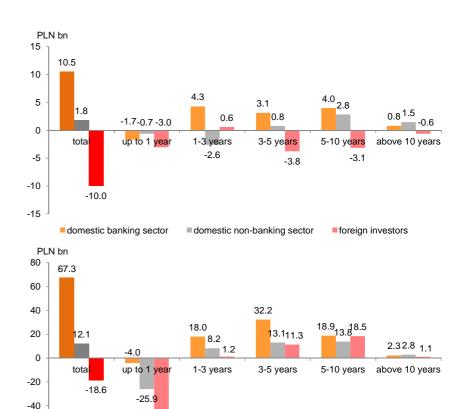
# Changes in domestic TS debt according to residual maturity by type of investor in 2016\*

From January 2016 to November 2016 strong demand from domestic banks for TS with maturity from 1 to 10 years was observed. Likewise, domestic non-banking investors increased their holdings mostly of TS from this maturity segment, and simultaneously reduced the shortest instruments. Significant reduction in TS holdings with maturity below 1 year was recorded by foreign investors as well. Whereas non-residents were particularly interested in instruments with residual maturity from 3 to 10 years.

### Domestic TS debt towards domestic nonbanking sector by holder – in nominal value and structure

The main holders of domestic TS among domestic non-banking entities are investment funds (35.4% share in November 2016), insurance companies (32.9%), and so called other entities (22.4%, this category includes, among others, Bank Guarantee Fund and Demographic Reserve Fund). Significant share of domestic TS is held by individuals as well (7.4%).

In November 2016 domestic TS holdings of non-banking sector increased by PLN 1.8bn m/m and by PLN 12.1bn compared to the end of 2015. Increase in November resulted mainly from increase in TS holdings of insurance companies (PLN +0.8bn), investment funds (PLN +0.5bn) and other entities (PLN +0.4bn). The increase since the beginning of 2016 was primarily a result of increase in portfolios held by investment funds (PLN +8.7bn) and other entities (PLN +4.0bn).

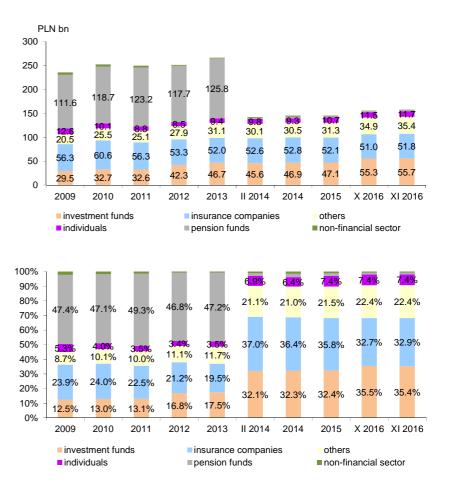


domestic non-banking sector

foreign investors

-50.8

domestic banking sector

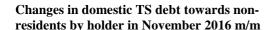


-60

<sup>\*)</sup> 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\*

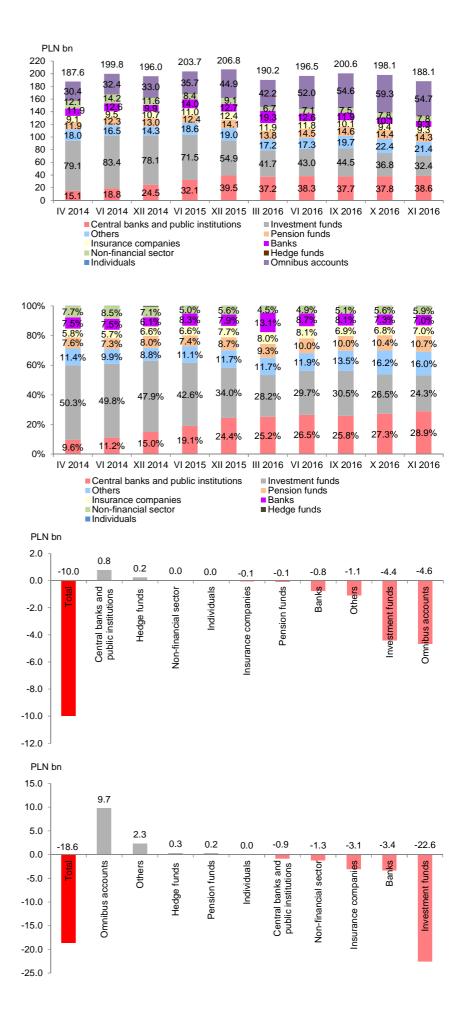
Structure of non-residents holding domestic TS in their portfolios is well-diversified, with dominant role of stable institutional investors: central banks and public institutions (28.9% share in November 2016), investment funds (24.3%), pension funds (10.7%) and insurance companies (7.0%). Significant part of domestic TS debt is registered on omnibus accounts (PLN 54.7bn), which enable investors to buy TS without having separate account in Poland.



In November 2016 domestic TS debt held by foreign investors decreased by PLN 10.0bn. The decline mainly applied to omnibus accounts (PLN -4.6bn) and investment funds (PLN -4.4bn, including the US: PLN -3.4bn, Luxembourg: PLN -1.8bn, Germany: PLN +1.1bn, the UK: PLN +0.5bn). In November capital inflow of foreign central banks and public institutions was observed (PLN +0.8bn in total).

## Changes in domestic TS debt towards non-residents by holder in 2016

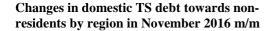
From January 2016 to November 2016 domestic TS held by non-residents decreased by PLN 18.6bn. The decline in portfolios was mainly observed among investment funds (PLN -22.6bn, primarily from the US and Luxembourg). The increase in TS holdings mainly applied to omnibus accounts (PLN +9.7bn).



<sup>\*)</sup> Percentage structure does not include omnibus accounts.

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

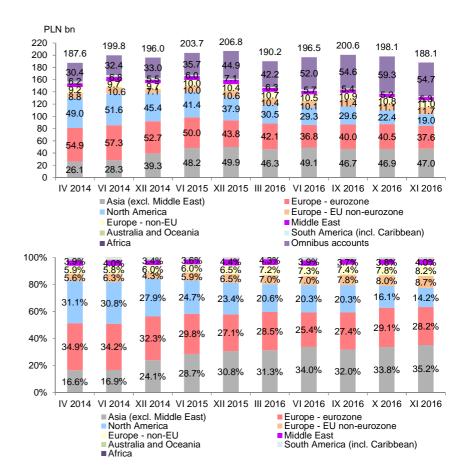
Geographical structure of domestic TS held by foreign investors is well-diversified. In November 2016 the largest TS portfolios were held by entities from Asia -35.2%, representing debt in the amount of PLN 47.0bn, of which PLN 26.4bn was held by Asian central banks and PLN 18.3bn by investors from Japan. The second largest group of holders of TS were investors from eurozone countries - 28.2% (PLN 37.6bn, including Luxembourg: PLN 15.7bn, Ireland: PLN 6.7bn, Germany: PLN 5.7bn). Non-residents from North America held significant TS portfolios as well (14.2%, representing debt in the amount of PLN 19.0bn, of which PLN 18.4bn were held by investors from the US). The share of investors from other regions amounted to 22.3%.

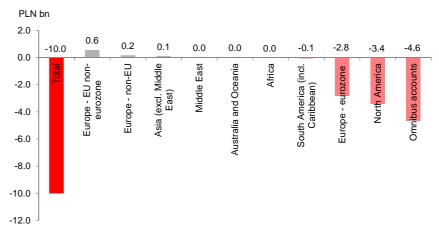


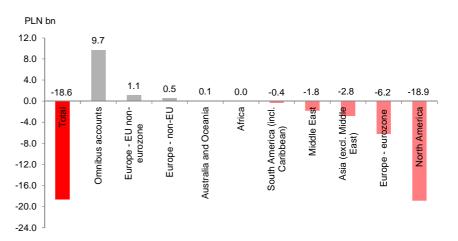
In November 2016 decrease in domestic TS debt held by non-residents resulted mainly from decrease in portfolios on omnibus accounts (PLN -4.6bn) and among investors from North America (PLN -3.4bn, including the US: PLN -3.2bn) and eurozone countries (PLN -2.8bn, including Luxembourg: PLN -2.2bn).

# Changes in domestic ST debt towards non-residents by region in 2016

From January 2016 to November 2016 decline in non-residents holdings of domestic TS resulted mainly from decrease in portfolios of investors from North America (PLN -18.9bn, including the US: PLN -18.4bn). The increase in TS holdings almost exclusively applied to omnibus accounts (PLN +9.7bn).







<sup>\*)</sup> Percentage structure does not include omnibus accounts.

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

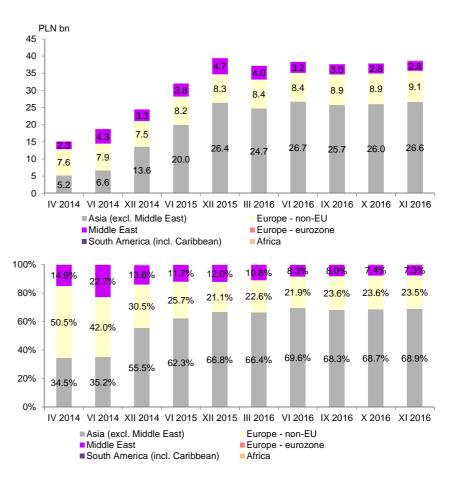
In the structure of domestic TS debt held by foreign central banks and public institutions, entities from Asia are predominant – in November 2016 their share amounted to 68.9%. Among central banks and public institutions considerable TS portfolios were held by entities from European non-EU countries (23.5% share with stable TS portfolios amounting to ca. PLN 8-9bn) and Middle East (7.3%).

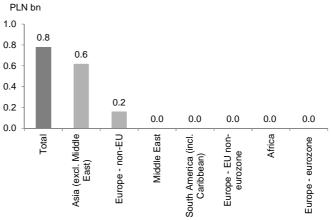
# Changes in domestic TS debt towards foreign central banks and public institutions by region in November 2016 m/m

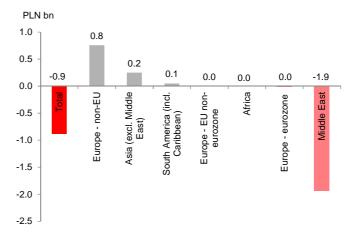
In November 2016 domestic TS debt held by foreign central banks and public institutions increased by PLN 0.8bn. It resulted primarily from increase in portfolios held by investors from Asia (PLN +0.6bn) and European non-EU countries (PLN +0.2bn).

# Changes in domestic TS debt towards foreign central banks and public institutions by region in 2016

From January 2016 to November 2016 decrease in central banks and public institutions domestic TS holdings was recorded (PLN -0.9bn). It was mainly a resultant of decrease in holdings of entities from Middle East (PLN -1.9bn) and increase in portfolios held by investors from European non-EU countries (PLN +0.8bn) and Asia (PLN +0.2bn).







# Domestic TS debt towards non-residents by country\* in November 2016 – structure and nominal value

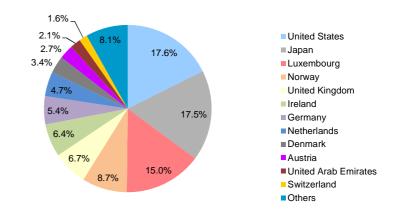
In November 2016 domestic TS were held by investors from 58 countries, which confirms high diversification of non-residents structure. The largest TS portfolios were held by entities registered in the US (17.6%, including mainly investment funds: 6.8% share in non-residents domestic TS debt holdings), Japan (17.5%, including primarily insurance companies: 8.4%), Luxembourg (15.0%, including investment funds: 7.5%), Norway (8.7% almost exclusively public institutions), the UK (6.7%, including investment funds: 2.9%, commercial banks: 1.9%,), Ireland (6.4%, including mainly investment funds: 5.7%) and Germany (5.4%, including investment funds: 3.7%).

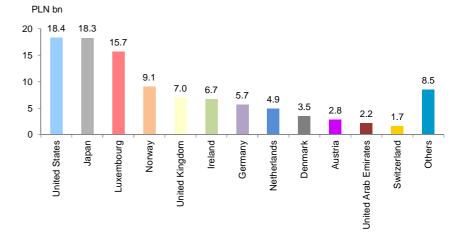
# Changes in domestic TS debt towards non-residents by country\* in November 2016\*\* m/m

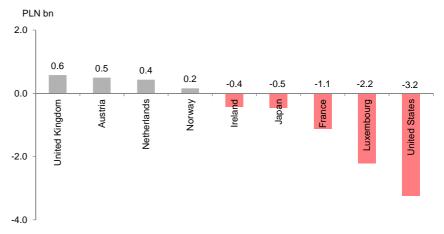
In November 2016 an decrease in non-residents' domestic TS holdings was mostly a result of decline in portfolios held by investors from the US (PLN -3.2bn, mainly investment funds: PLN -3.4bn) and Luxembourg (PLN -2.2bn, primarily investment funds: PLN -1.8bn).

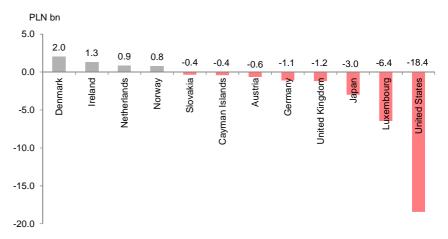
### Changes in domestic ST debt towards nonresidents by country\* in 2016\*\*\*

From January 2016 to November 2016 decrease in TS portfolios mainly concerned non-residents from the US (PLN -18.4bn) and Luxembourg (PLN -6.4bn) – primarily investment funds.









<sup>\*)</sup> Excluding omnibus accounts.

<sup>\*\*)</sup> Chart shows countries with change in debt amounted to at least PLN 0.2hn

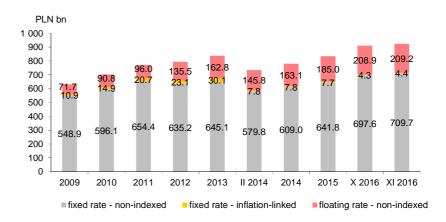
<sup>\*\*\*)</sup> Chart shows countries with change in debt amounted to at least PLN 0.4bn.

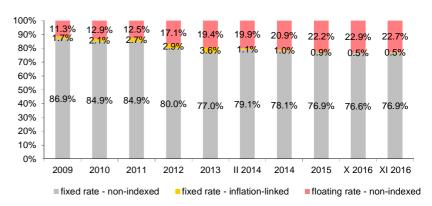
## ST debt by type of interest rate and indexation in nominal value and structure

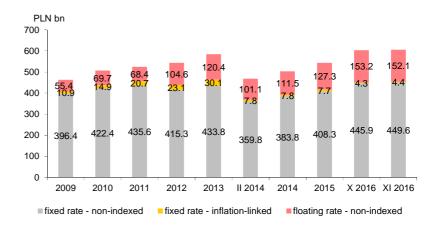
The majority of ST debt comprised fixed rate instruments – their share in November 2016 amounted to 77.3%. The share of floating rate instruments stood at 22.7%, decreasing by 0.3 pp m/m and increasing by 0.5 pp compared to the end of 2015. The decrease in the share in November resulted mainly from structure of domestic marketable TS balance, as well as from issuance of fixed rate debt on euro market and development of EUR/USD exchange rate. The increase in the share of floating rate instruments from 2012 to 2016 facilitated lowering debt servicing costs.

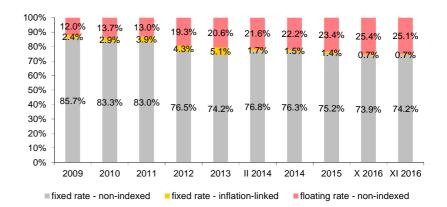
# Domestic ST debt by type of interest rate and type of indexation in nominal value and structure

In November 2016 the share of floating rate instruments in domestic ST debt amounted to 25.1%, i.e. decreased by 0.3 pp m/m and simultaneously increased by 1.7 pp compared to the end of 2015. The decrease in the share in November resulted mainly from positive balance of issuance of marketable fixed rate debt, and negative balance of floating rate instruments issuance.







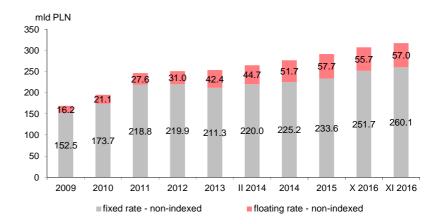


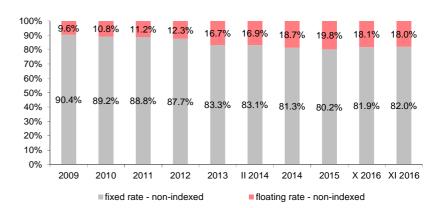
# Foreign ST debt by type of interest rate and type of indexation in nominal value and structure

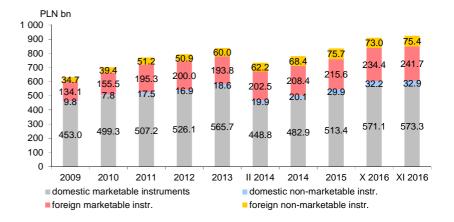
In November 2016 the share of floating rate instruments in foreign ST debt amounted to 18.0%, i.e. decreased by 0.1 pp m/m and by 1.8 pp compared to the end of 2015. The decrease in the share in November resulted primarily from incurring fixed rate debt on euro market, as well as appreciation of USD against EUR and, as a result, increase in a weight of USD-denominated deb which is all fixed rate. Since September 2015 floating rate foreign currency debt has comprised only loans from international financial institutions, utilized due to attractive financial conditions.

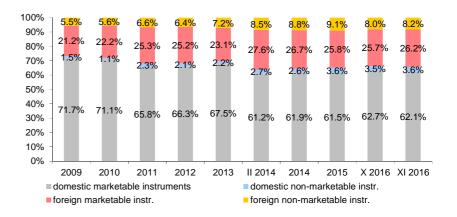
## ST debt by type of instrument in nominal value and structure

Dominant share in ST debt comprised marketable TS (88.3% in November 2016), including mostly instruments issued on domestic TS market (62.1%). Supplementary sources of financing of the State budget borrowing requirements are non-marketable instruments, i.e. loans from international financial institutions, domestic saving bonds as well as deposits collected under liquidity management consolidation.







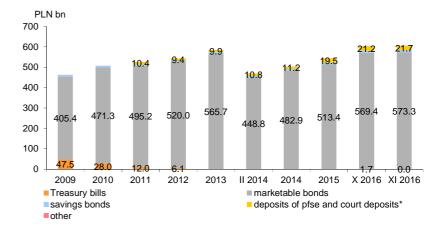


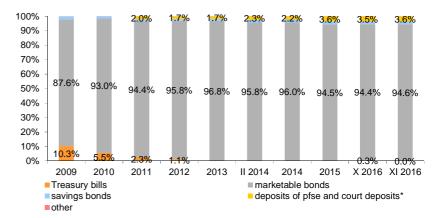
## Domestic ST debt by type of instrument in nominal value and structure

The vast majority of domestic ST debt constituted marketable bonds (94.6% in November 2016). Supplementary and stable sources of financing are saving bonds, and deposits from pfse and courts deposits\* as well, which total share amounted to 3.6%. In November 2016 last series of Treasury bills was redeemed which resulted in decrease in the share of these instruments to zero.

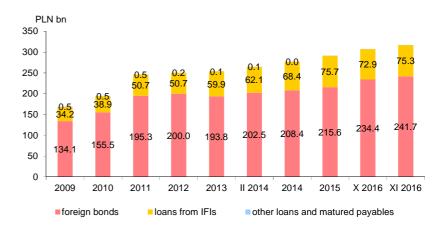
## Foreign ST debt by type of instrument in nominal value and structure

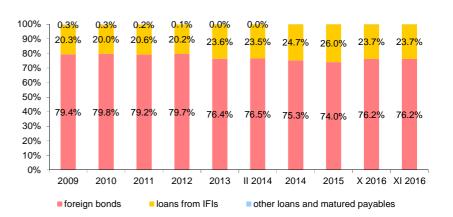
In ST debt denominated in foreign currencies dominant share accounted for international bonds (76.2% in November 2016). The share of loans from international financial institutions is significant as well (23.7%).





\*) Deposits received from pfse with legal personality and court deposits from pfse with legal personality and entities from outside pfs





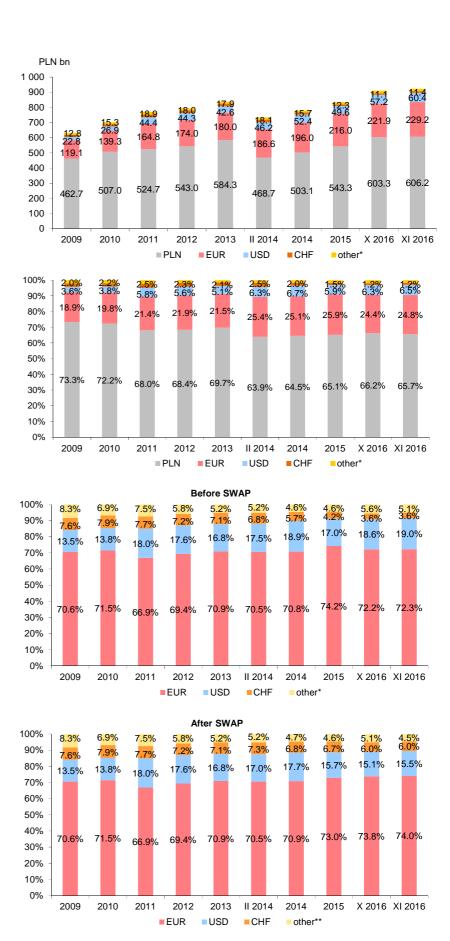
## ST debt by currency in nominal value and structure

In accordance with the debt management strategy, State budget borrowing requirements are mostly financed on domestic market. In November 2016 debt denominated in PLN comprised 65.7% of total ST debt compared to 66.2% in the previous month and 65.1% at the end of 2015. The share of foreign currency denominated debt changed as follows:

- EUR increase by 0.5 pp m/m and decrease by 1.1 pp compared to the end of 2015,
- USD increase by 0.3 pp m/m and by 0.6 pp compared to the end of 2015,
- CHF no changes m/m and decrease by 0.2 pp compared to the end of 2015,
- JPY decrease by 0.2 pp m/m and by 0.1 pp compared to the end of 2015,
- CNY no changes m/m.

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

In November 2016 the share of EUR-denominated debt in foreign ST debt, including derivative transactions, amounted to 74.0%, i.e. remained above the minimum level of 70% assumed in debt management strategy. In November 2016 the share of EUR increased by 0.2 pp m/m which resulted mainly from issuance of EUR-denominated debt and redemption of JPY1116 bond.



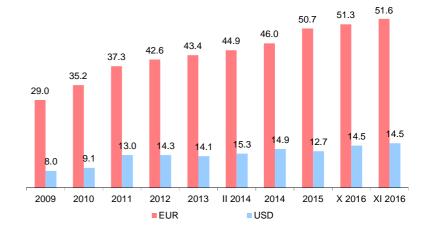
<sup>\*</sup> JPY (since 2010) and CNY (since August 2016); until 2009 inclusive *other* category included GBP as well.

<sup>\*\*)</sup> JPY (since 2010; until 2009 inclusive other category included GBP as well).

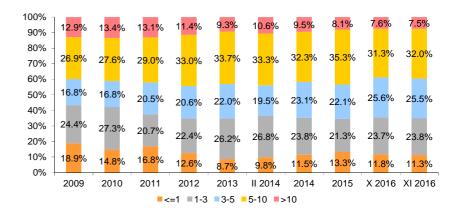
## Foreign ST debt in original currency (billion) \*)\*\*)

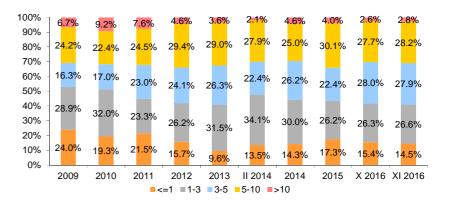
At the end of November 2016 nominal value of debt denominated in EUR increased by EUR 0.4bn, to EUR 51.6bn. As a result of redemption of JPY1116 bond, JPY-denominated debt decreased by JPY 25.0bn, to JPY 387.6bn. USD-, CHF- and CNY-denominated debt remained unchanged compared to the previous month, i.e. amounted to USD 14.5bn, CHF 2.8bn and CNY 3.0bn.

- \*) Charts present debt excluding SWAP transactions and do not include debt in GBP repaid in November 2010.
- \*\*) Charts present level of debt in original currencies, whereas proportions of columns reflects the level of debt converted to PLN which allows to make it comparable.









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

In November 2016 debt with the longest residual maturity (i.e. above 5 years) comprised 39.5% of total ST debt, i.e. increased by 0.6 pp m/m (mainly as a result of shifts in domestic debt structure) and decreased by 3.9 pp compared to the end of 2015. Debt with residual maturity of up to 1 year constituted 11.3% of ST debt, i.e. decreased by 0.5 pp m/m (primarily as a result of redemptions and repurchases of debt) and by 2.0 pp compared to the end of 2015.

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

In November 2016 domestic debt with residual maturity above 5 years accounted for 31.0%, i.e. increased by 0.7 pp m/m (mainly as a result of issuance of debt with relatively long time to maturity and decrease in the share of instruments below 1 year) and decline by 3.0 pp compared to the end of 2015. The share of debt with residual maturity of up to 1 year amounted to 14.5%, i.e. decreased by 0.9 pp (which resulted mainly from debt redemptions and repurchases) and by 2.8 pp compared to the end of 2015.

#### ATM of ST debt

In November 2016 average time to maturity (ATM) of ST debt amounted to 5.34 years (decrease by 0.03 years m/m and increase by 0.12 years compared to the end of 2015), remaining in line with debt management strategy, i.e. close to 5 years. ATM of domestic ST debt shortened by 0.03 years, to 4.44 years which was mainly a resultant of debt redemptions and repurchases, issuance of instruments mainly with relatively long maturity, as well as debt aging. According to debt management strategy, it is assumed to maintain ATM of domestic debt at the level of at least 4 years and ultimately lengthen it to 4.5 years. In November 2016 ATM of foreign ST debt decreased by 0.07 years (primarily as a result of debt aging), remaining at the safe level of 6.96 vears.

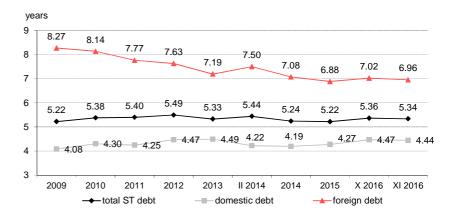
#### ATR of ST debt

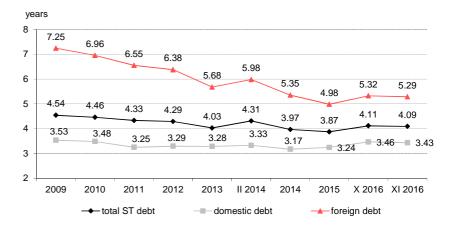
In November 2016 average time to refixing (ATR) of ST debt amounted to 4.09 years (decrease by 0.02 years m/m and increase by 0.22 years compared to the end of 2015). Decrease in ATR in November resulted from shortening of ATR of both: domestic debt (by 0.03 years, to 3.43 years) and foreign debt (by 0.04 years, to 5.29 years). Decrease in ATR of both debt categories resulted mainly from shortening of ATM, and in case of foreign debt from beginning of new interest period of significant part of loans in November (mainly from the World Bank) as well. In November 2016 ATR of domestic ST debt remained in line with debt management strategy, i.e. in the range 2.8-3.8 years.

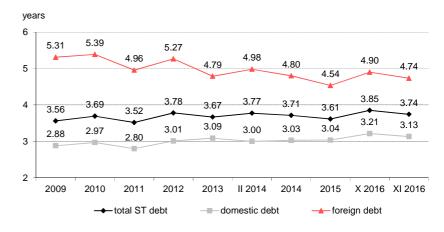
#### **Duration of ST debt\***

In November 2016 duration of ST debt amounted to 3.74 years, i.e. shortening by 0.11 pp m/m and simultaneously lengthening by 0.13 years compared to the end of 2015. Decrease in duration in November resulted from shortening of duration of both: domestic debt (by 0.08 years, to 3.13 years) and foreign debt (by 0.17 years, to 4.74 years). Decrease in duration of both debt categories resulted mainly from increase in yields of Polish debt and decrease in ATR.

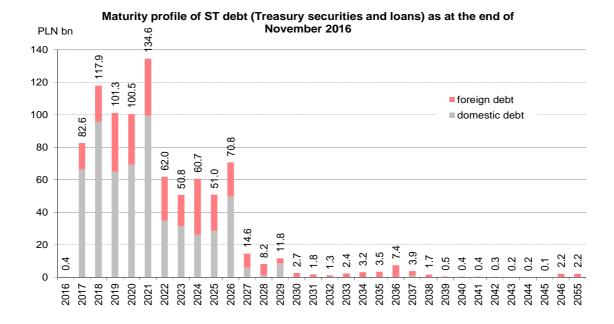
ATR as well as duration, indicated that in 2016 interest rate risk of ST debt remained stable.

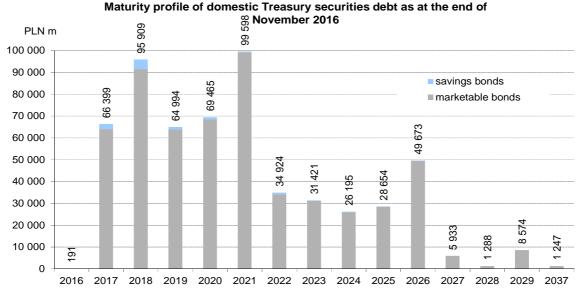




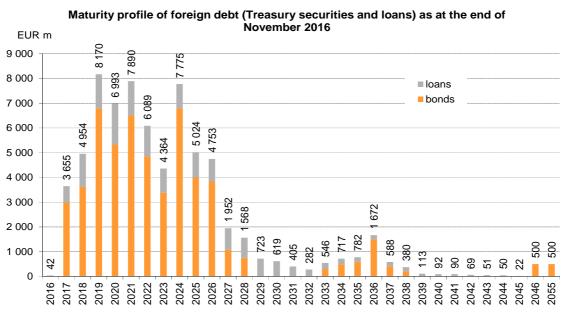


<sup>\*)</sup> Excluding inflation-linked bonds





\*) Data do not include a part of short-term domestic debt: (a) maturing in 2016 – other ST debt (PLN 17,571m – mainly deposits and matured payables) and (b) maturing in 2017 – deposits (PLN 4,153m).



<sup>\*)</sup> Data do not include a part of short-term foreign debt maturing in 2016 – matured payables (PLN 116bn).

							chang	ge	cha	nge
		structure		structure		structure	Nov 20:	16	Nov 2	016
	Dec 2015	Dec 2015 %	Oct 2016	Oct 2016 %	Nov 2016	Nov 2016 %	Oct 20		Dec 1	
							PLN m	%	PLN m	%
State Treasury Debt	834,550.6	100.0	910,750.4	100.0	923,339.9	100.0	12,589.5	1.4		10.6
I. Domestic debt	543,262.2	65.1	603,339.4	66.2	606,188.1	65.7	2,848.7	0.5	62,925.9	11.6
Treasury securities issued in domestic			""		,		_,		V=,r==+r	
market	523,695.5	62.8	582,139.7	63.9	584,464.4	63.3	2,324.7	0.4	60,768.9	11.6
1.1. Marketable securities	513,385.1	61.5	571,099.9	62.7	573,291.4	62.1	2,191.5	0.4	59,906.3	11.7
fixed rate	384,567.5	46.1	419,820.8	46.1	422,875.3	45.8	3,054.4	0.7	38,307.8	10.0
Treasury bills	0.0	0.0	1,692.0	0.2	0.0	0.0	-1,692.0	-100.0	0.0	-
OK bonds	38,928.4	4.7	37,149.4	4.1	39,379.4	4.3	2,230.0	6.0	451.0	1.2
PS bonds	172,868.0	20.7	175,068.6	19.2	177,275.4	19.2	2,206.8	1.3	4,407.3	2.5
DS bonds	139,393.4	16.7	172,319.2	18.9	172,584.3	18.7	265.1	0.2	33,190.9	23.8
WS bonds	33,377.6	4.0	33,591.6	3.7	33,636.1	3.6	44.5	0.2	258.5	0.8
fixed rate - inflation-linked	7,677.1	0.9	4,252.0	0.5	4,428.2	0.5	176.2	4.1	-3,249.0	-42.3
IZ bonds	7,677.1	0.9	4,232.0	0.5	4,428.2	0.5	176.2		-3,249.0	-42.3 -42.3
								4.1		
floating rate	121,140.5	14.5	147,027.1	16.1	145,988.0	15.8	-1,039.1	-0.7	24,847.5	20.5
WZ bonds	121,140.5	14.5	147,027.1	16.1	145,988.0	15.8	-1,039.1	-0.7	24,847.5	20.5
1.2. Savings bonds	10,310.4	1.2	11,039.8	1.2	11,173.0	1.2	133.1	1.2	862.6	8.4
fixed rate	4,147.5	0.5	4,884.3	0.5	5,045.2	0.5	161.0	3.3	897.8	21.6
KOS bonds	1,355.7	0.2	0.0	0.0	0.0	0.0	0.0	-	-1,355.7	-100.0
DOS bonds	2,791.8	0.3	4,884.3	0.5	5,045.2	0.5	161.0	3.3	2,253.5	80.7
floating rate	6,162.9	0.7	6,155.6	0.7	6,127.7	0.7	-27.8	-0.5	-35.2	-0.6
TOZ bonds	534.4	0.1	591.1	0.1	555.7	0.1	-35.4	-6.0	21.3	4.0
COI bonds	1,656.2	0.2	1,518.4	0.2	1,520.1	0.2	1.7	0.1	-136.1	-8.2
ROS bonds	0.0	0.0	0.5	0.0	1.2	0.0	0.7	145.9	1.2	-
EDO bonds	3,972.3	0.5	4,045.3	0.4	4,049.8	0.4	4.5	0.1	77.5	2.0
ROD bonds	0.0	0.0	0.3	0.0	0.9	0.0	0.6	206.4	0.9	-
2. Other domestic debt	19,566.7	2.3	21,199.7	2.3	21,723.7	2.4	524.1	2.5	2,157.0	11.0
deposits of pfse*	15,444.9	1.9	17,100.6	1.9	17,589.5	1.9	488.9	2.9	2,144.5	13.9
court deposits**	4,096.4	0.5	4,092.4	0.4	4,127.6	0.4	35.2	0.9	31.2	0.8
matured payables	22.0	0.0	3.2	0.0	3.2	0.0	0.0	0.0	-18.7	-85.2
other	3.5	0.0	3.4	0.0	3.4	0.0	0.0	0.0	-0.1	-1.8
II. Foreign debt	291,288.4	34.9	307,411.0	33.8	317,151.8	34.3	9,740.8	3.2	25,863.4	8.9
Treasury securities issued in international	, ,				, , , , , ,		, ,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
markets	215,629.4	25.8	234,365.6	25.7	241,741.1	26.2	7,375.5	3.1	26,111.7	12.1
1.1. Marketable securities	215,629.4	25.8	234,365.6	25.7	241,741.1	26.2	7,375.5	3.1	26,111.7	12.1
fixed rate	215,629.4	25.8	234,365.6	25.7	241,741.1	26.2	7,375.5	3.1	26,111.7	12.1
EUR	140,382.3	16.8	148,933.7	16.4	153,888.2	16.7	4,954.5	3.3	13,505.9	9.6
USD	49,544.0	5.9	57,060.2	6.3	60,286.8	6.5	3,226.7	5.7	10,742.9	21.7
CHF	12,330.3	1.5	11,106.9	1.2	11,442.2	1.2	335.3	3.0	-888.1	-7.2
JPY	13,372.8	1.6	15,515.8	1.7	14,305.5	1.5	-1,210.3	-7.8	932.8	7.0
CNY	0.0	0.0	1,749.0	0.2	1,818.3	0.2	69.3	4.0	1,818.3	
2. Loans	75,652.5	9.1	72,929.3	8.0	75,294.6	8.2	2,365.3	3.2	-357.9	-0.5
fixed rate	17,931.1	2.1	17,223.7	1.9	18,247.1	2.0	1,023.4	5.9	316.0	1.8
EUR		2.1	17,223.7	1.9	18,247.1		1,023.4	5.9	316.0	
	17,931.1					2.0				1.8
floating rate	57,721.4	6.9	55,705.6	6.1	57,047.5	6.2	1,341.9	2.4	-673.9	-1.2
EUR	57,721.4	6.9	55,705.6	6.1	57,047.5	6.2	1,341.9	2.4	-673.9	-1.2
3. Other foreign debt	6.5	0.0	116.1	0.0	116.1	0.0	0.0	0.0	109.6	1,682.9

<sup>\*)</sup> Deposits received from pfse with legal personality
\*\*) Court deposits from pfse with legal personality and entities from outside pfs.

Table 5. State Treasury debt by holder (PLN million)

		structure		structure		structure	chang		chang	
	Dec 2015	Dec 2015	Oct 2016	Oct 2016	Nov 2016	Nov 2016	Nov 201		Nov 201	
		%		%		%	Oct 20		Dec 20	1
State Treasury debt	834,550.6	100.0	910,750.4	100.0	923,339.9	100.0	PLN m 12,589.5	% 1.4	PLN m 88,789.3	% 10.6
I. State Treasury debt towards residents	350,092.5	41.9	422,756.9	46.4	436.410.4	47.3	13,653.5	3.2	86,317.8	24.7
Domestic banking sector	184,177.6	22.1	244,839.9	26.9	256,306.3	27.8	11,466.5	4.7	72,128.7	39.2
TS issued in domestic market	171,499.8	20.5	228,295.3	25.1	238,812.0	25.9	10,516.7	4.6	67,312.2	39.2
1.1.Marketable TS	171,499.8	20.5	228,295.3	25.1	238,812.0	25.9	10,516.7	4.6	67,312.2	39.
Treasury bills	0.0	0.0	1,548.0	0.2	0.0	0.0	-1,548.0	-100.0	0.0	
OK bonds	13,945.9	1.7	22,048.8	2.4	23,752.9	2.6	1,704.1	7.7	9,806.9	70.
PS bonds	57,422.7	6.9	71,187.8	7.8	74,088.7	8.0	2,900.9	4.1	16,666.0	29.
DS bonds	20,736.7	2.5	35,335.7	3.9	37,115.1	4.0	1,779.5	5.0	16,378.4	79.
WS bonds	2,879.1	0.3	3,106.5	0.3	3,633.8	0.4	527.3	17.0	754.8	26.
IZ bonds	1,500.9	0.2	1,217.6	0.1	1,270.8	0.1	53.3	4.4	-230.0	-15.
WZ bonds	75,014.5	9.0	93,850.9	10.3	98,950.6	10.7	5,099.6	5.4	23,936.0	31.
1.2. Savings bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	
2. Other ST debt	0.0	0.0	0.0	0.0	0.0 17,494.4	0.0	0.0	-	0.0	20.
3. TS issued in foreign markets	12,677.8 <b>165,914.9</b>	1.5 <b>19.9</b>	16,544.6 <b>177,917.0</b>	1.8 <b>19.5</b>	180,104.0	1.9 <b>19.5</b>	949.8 <b>2,187.1</b>	5.7 <b>1.2</b>	4,816.5 <b>14,189.1</b>	38. <b>8.</b>
Domestic non-banking sector 1. TS issued in domestic market	145,436.2	17.4	155,725.1	17.1	157,514.1	17.1	1,789.0	1.1	12,077.9	8.
1.1.Marketable TS	135,140.1	16.2	144,703.2	17.1	146,357.9	15.9	1,654.6	1.1	11,217.7	8.
Treasury bills	0.0	0.0	144,703.2	0.0	0.0	0.0	-144.0	-100.0	0.0	8.
OK bonds	10,750.6	1.3	10,161.0	1.1	9,853.3	1.1	-307.7	-3.0	-897.3	-8.
PS bonds	43,653.2	5.2	40,224.4	4.4	39,399.5	4.3	-824.9	-2.1	-4,253.7	-9.
DS bonds	30,865.1	3.7	35,140.4	3.9	37,377.0	4.0	2,236.6	6.4	6,511.9	21.
WS bonds	16,384.7	2.0	16,385.4	1.8	17,188.5	1.9	803.2	4.9	803.9	4.
IZ bonds	2,898.5	0.3	1,762.6	0.2	1,990.3	0.2	227.7	12.9	-908.2	-31.
WZ bonds	30,588.0	3.7	40,885.5	4.5	40,549.2	4.4	-336.3	-0.8	9,961.2	32.
1.2. Savings bonds	10,296.0	1.2	11,021.8	1.2	11,156.2	1.2	134.4	1.2	860.2	8.
KOS bonds	1,354.9	0.2	0.0	0.0	0.0	0.0	0.0	-	-1,354.9	-100.
DOS bonds	2,788.8	0.3	4,877.9	0.5	5,038.9	0.5	161.0	3.3	2,250.1	80.
TOZ bonds	534.1	0.1	590.2	0.1	554.9	0.1	-35.4	-6.0	20.8	3.
COI bonds	1,653.5	0.2	1,515.8	0.2	1,519.1	0.2	3.3	0.2	-134.4	-8.
ROS bonds	0.0	0.0	0.5	0.0	1.2	0.0	0.7	145.9	1.2	
EDO bonds	3,964.8	0.5	4,037.1	0.4	4,041.2	0.4	4.2	0.1	76.4	1.
ROD bonds	0.0 19,554.2	0.0 2.3	0.3 21,181.0	0.0 2.3	0.9 21,705.1	0.0	0.6 524.1	206.4	0.9 2,150.9	11.
2. Other ST debt deposits of pfse*	15,444.9	1.9	17,100.6	1.9	17,589.5	1.9	488.9	2.3	2,130.9	13.
court deposits**	4,083.9	0.5	4,073.8	0.4	4,109.0	0.4	35.2	0.9	25.1	0.
matured payables	22.0	0.0	3.2	0.0	3.2	0.4	0.0	0.9	-18.7	-85.
other	3.5	0.0	3.4	0.0	3.4	0.0	0.0	0.0	-0.1	-1.
3. TS issued in foreign markets	924.6	0.1	1,010.9	0.1	884.9	0.1	-126.0	-12.5	-39.7	-4.
II. State Treasury debt towards non-			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
residents	484,458.1	58.1	487,993.5	53.6	486,929.6	52.7	-1,064.0	-0.2	2,471.5	0.
1. TS issued in domestic market	206,759.5	24.8	198,119.4	21.8	188,138.4	20.4	-9,981.0	-5.0	-18,621.2	-9.
1.1.Marketable TS	206,745.2	24.8	198,101.4	21.8	188,121.6	20.4	-9,979.8	-5.0	-18,623.6	-9.
Treasury bills	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	
OK bonds	14,231.8	1.7	4,939.6	0.5	5,773.2	0.6	833.6	16.9	-8,458.6	-59.
PS bonds	71,792.1	8.6	63,656.5	7.0	63,787.2	6.9	130.7	0.2	-8,005.0	-11.
DS bonds	87,791.6	10.5	101,843.1	11.2	98,092.2	10.6	-3,750.9	-3.7	10,300.6	11.
WS bonds	14,113.9	1.7	14,099.7	1.5	12,813.8	1.4	-1,285.9	-9.1	-1,300.2	-9.
IZ bonds	3,277.8	0.4	1,271.8 12,290.6	0.1	1,167.0	0.1	-104.8	-8.2	-2,110.8	-64.
WZ bonds	15,537.9	1.9		1.3 0.0	6,488.2	0.7	-5,802.4 -1.2	-47.2	-9,049.7	-58.
1.2. Savings bonds KOS bonds	14.3 0.8	0.0	18.0 0.0	0.0	16.8 0.0	0.0	0.0	-6.9	2.5 -0.8	17. -100.
DOS bonds	3.0	0.0	6.4	0.0	6.4	0.0	0.0	0.2	3.4	112.
TOZ bonds	0.3	0.0	0.4	0.0	0.4	0.0	0.0	1.2	0.5	153.
COI bonds	2.6	0.0	2.5	0.0	1.0	0.0	-1.6	-62.3	-1.7	-63.
ROS bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	55.
EDO bonds	7.5	0.0	8.3	0.0	8.6	0.0	0.3	3.9	1.1	14.
ROD bonds	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0	
2. TS issued in foreign markets	202,027.0	24.2	216,810.1	23.8	223,361.9	24.2	6,551.8	3.0	21,334.9	10.
3. Foreign loans	75,652.5	9.1	72,929.3	8.0	75,294.6	8.2	2,365.3	3.2	-357.9	-0.
European Investment Bank	43,996.0	5.3	40,796.1	4.5	42,461.3	4.6	1,665.1	4.1	-1,534.8	-3.
The World Bank	30,763.1	3.7	31,195.9	3.4	31,917.2	3.5	721.3	2.3	1,154.1	3.
Council of Europe Development Bank	893.4	0.1	937.4	0.1	916.2	0.1	-21.2	-2.3	22.8	2.
4. Other ST debt	19.0	0.0	134.7	0.0	134.7	0.0	0.0	0.0	115.7	607.

<sup>\*\*)</sup> Deposits received from pfse with legal personality

\*\*) Court deposits from pfse with legal personality and entities from outside pfs.

Fable 6. Residual maturity of State Trea	Dec 2015	structure Dec 2015	Oct 2016	structure Oct 2016	Nov 2016	structure Nov 2016	chang Nov 20 Oct 20	16 –	chan Nov 20 Dec 20	16 –
	2015	%	0002010	%	1101 2010	%	PLN m	%   %	PLN m	015   %
State Treasury debt	834,550.6	100.0	910,750.4	100.0	923,339.9	100.0	12,589.5	1.4	88,789.3	10.6
up to 1 year (inc.)	110,837.2	13.3	107,548.6	11.8	104,287.3	11.3	-3,261.2	-3.0	-6,549.9	-5.9
1 to 3 years (inc.)	177,416.4	21.3	215,947.9	23.7	219,304.8	23.8	3,357.0	1.6	41,888.4	23.6
3 to 5 years (inc.)	184,305.7	22.1	232,912.2	25.6	235,014.5	25.5	2,102.3	0.9	50,708.8	27.5
5 to 10 years (inc.)	294,648.4	35.3	285,040.4	31.3	295,234.8	32.0	10,194.4	3.6	586.4	0.2
over 10 years	67,342.8	8.1	69,301.3	7.6	69,498.4	7.5	197.0	0.3	2,155.5	3.2
I. Domestic debt up to 1 year (inc.)	543,262.2	<b>65.1</b> 11.3	603,339.4	<b>66.2</b> 10.2	<b>606,188.1</b> 87,975.9	<b>65.7</b> 9.5	2,848.7	<b>0.5</b> -5.2	62,925.9	11.6 -6.6
1 to 3 years (inc.)	94,157.4 142,255.2	17.0	92,829.1 158,863.8	17.4	161,135.6	17.5	-4,853.2 2,271.8	1.4	-6,181.5 18,880.4	13.3
3 to 5 years (inc.)	142,233.2	17.0	158,805.8	18.6	169,133.8	18.3	139.5	0.1	47,255.7	38.8
5 to 10 years (inc.)	163,382.4	19.6	167,231.1	18.4	170,902.9	18.5	3,671.9	2.2	7,520.5	4.6
over 10 years	21,589.1	2.6	15,421.1	1.7	17,039.9	1.8	1,618.8	10.5	-4,549.2	-21.1
1.1. Marketable TS issued in domestic			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-,,,,,,,,,		1,0 12 12	
market	513,385.1	61.5	571,099.9	62.7	573,291.4	62.1	2,191.5	0.4	59,906.3	11.7
fixed rate	384,567.5	46.1	419,820.8	46.1	422,875.3	45.8	3,054.4	0.7	38,307.8	10.0
up to 1 year (inc.)	66,509.6	8.0	54,425.4	6.0	50,804.3	5.5	-3,621.1	-6.7	-15,705.3	-23.6
1 to 3 years (inc.)	98,665.4	11.8	110,029.2	12.1	112,259.8	12.2	2,230.6	2.0	13,594.5	13.8
3 to 5 years (inc.)	89,150.0	10.7	120,882.9	13.3	120,870.2	13.1	-12.7	0.0	31,720.2	35.6
5 to 10 years (inc.)	111,405.4	13.3	119,062.3	13.1	121,901.1	13.2	2,838.8	2.4	10,495.7	9.4
over 10 years	18,837.1	2.3	15,421.1	1.7	17,039.9	1.8	1,618.8	10.5	-1,797.2	-9.5
fixed rate – inflation-linked	7,677.1	0.9	4,252.0	0.5 0.0	4,428.2	0.5 0.0	176.2	4.1	-3,249.0	-42.3
up to 1 year (inc.) 1 to 3 years (inc.)	4,672.5 0.0	0.6 0.0	0.0	0.0	0.0	0.0	0.0	-	-4,672.5 0.0	-100.0
5 to 10 years (inc.)	3,004.7	0.0	4,252.0	0.5	4,428.2	0.0	176.2	4.1	1,423.5	47.4
floating rate	121,140.5	14.5	147,027.1	16.1	145,988.0	15.8	-1,039.1	-0.7	24,847.5	20.5
up to 1 year (inc.)	0.0	0.0	15.046.1	1.7	13,188.6	1.4	-1,857.5	-12.3	13,188.6	20.3
1 to 3 years (inc.)	40,081.7	4.8	43,107.6	4.7	43,107.6	4.7	0.0	0.0	3,025.8	7.5
3 to 5 years (inc.)	31,169.3	3.7	46,623.5	5.1	46,760.5	5.1	137.0	0.3	15,591.2	50.0
5 to 10 years (inc.)	47,137.4	5.6	42,249.9	4.6	42,931.3	4.6	681.4	1.6	-4,206.1	-8.9
over 10 years	2,752.0	0.3	0.0	0.0	0.0	0.0	0.0	-	-2,752.0	-100.0
1.2. Savings bonds	10,310.4	1.2	11,039.8	1.2	11,173.0	1.2	133.1	1.2	862.6	8.4
fixed rate	4,147.5	0.5	4,884.3	0.5	5,045.2	0.5	161.0	3.3	897.8	21.6
up to 1 year (inc.)	2,520.8	0.3	1,361.1	0.1	1,492.8	0.2	131.7	9.7	-1,028.0	-40.8
1 to 3 years (inc.)	1,626.7	0.2	3,523.2	0.4	3,552.5	0.4	29.3	0.8	1,925.8	118.4
floating rate	6,162.9	0.7	6,155.6	0.7	6,127.7	0.7	-27.8	-0.5	-35.2	-0.6
up to 1 year (inc.)	887.8	0.1	796.8	0.1	766.5	0.1	-30.3	-3.8	-121.4	-13.7
1 to 3 years (inc.)	1,881.4 1,558.8	0.2 0.2	2,203.8 1,488.0	0.2 0.2	2,215.7 1,503.2	0.2 0.2	11.9 15.2	0.5 1.0	334.3 -55.6	17.8 -3.6
3 to 5 years (inc.) 5 to 10 years (inc.)	1,834.9	0.2	1,4667.0	0.2	1,503.2	0.2	-24.6	-1.5	-192.5	-10.5
2. Other ST debt	19,566.7	2.3	21,199.7	2.3	21,723.7	2.4	524.1	2.5	2,157.0	11.0
up to 1 year (inc.)	19,566.7	2.3	21,199.7	2.3	21,723.7	2.4	524.1	2.5	2,157.0	11.0
II. Foreign debt	291,288.4	34.9	307,411.0	33.8	317,151.8	34.3	9,740.8	3.2	25,863.4	8.9
up to 1 year (inc.)	16,679.8	2.0	14,719.5	1.6		1.8	1,592.0	10.8	-368.4	-2.2
1 to 3 years (inc.)	35,161.3	4.2	57,084.1	6.3	58,169.3	6.3	1,085.2	1.9	23,008.0	65.4
3 to 5 years (inc.)	62,427.6	7.5	63,917.8	7.0	65,880.7	7.1	1,962.9	3.1	3,453.1	5.5
5 to 10 years (inc.)	131,266.1	15.7	117,809.3	12.9	124,331.9	13.5	6,522.6	5.5	-6,934.1	-5.3
over 10 years	45,753.7	5.5	53,880.3	5.9	52,458.5	5.7	-1,421.8	-2.6	6,704.8	14.7
1. TS issued in foreign markets	215,629.4	25.8	234,365.6	25.7	241,741.1	26.2	7,375.5	3.1	26,111.7	12.1
fixed rate up to 1 year (inc.)	215,629.4 11,862.7	25.8 1.4	234,365.6 11,927.4	25.7 1.3	241,741.1 13,312.5	26.2 1.4	7,375.5 1,385.2	3.1 11.6	26,111.7 1,449.9	12.1 12.2
1 to 3 years (inc.)	26,724.4	3.2	45,730.4	5.0	46,261.2	5.0	530.9	1.0	19,536.9	73.1
3 to 5 years (inc.)	49,559.0	5.9	51,091.9	5.6	52,562.2	5.7	1,470.4	2.9	3,003.2	6.1
5 to 10 years (inc.)	107,681.1	12.9	95,733.1	10.5	101,434.2	11.0	5,701.1	6.0	-6,246.8	-5.8
over 10 years	19,802.3	2.4	29,882.9	3.3	28,170.9	3.1	-1,712.1	-5.7	8,368.6	42.3
2. Foreign loans	75,652.5	9.1	72,929.3	8.0	75,294.6	8.2	2,365.3	3.2	-357.9	-0.5
fixed rate	17,931.1	2.1	17,223.7	1.9	18,247.1	2.0	1,023.4	5.9	316.0	1.8
up to 1 year (inc.)	3,737.1	0.4	1,523.4	0.2	1,529.5	0.2	6.1	0.4	-2,207.5	-59.1
1 to 3 years (inc.)	5,178.5	0.6	7,481.6	0.8	7,674.8	0.8	193.1	2.6	2,496.3	48.2
3 to 5 years (inc.)	2,394.2	0.3	2,121.6	0.2	2,146.9	0.2	25.4	1.2	-247.3	-10.3
5 to 10 years (inc.)	4,627.4	0.6	4,430.0	0.5	4,650.8	0.5	220.8	5.0	23.4	0.5
over 10 years	1,993.9	0.2	1,667.1	0.2	2,245.1	0.2	577.9	34.7	251.2	12.6
floating rate	57,721.4	6.9	55,705.6	6.1	57,047.5	6.2	1,341.9	2.4	-673.9 270.7	-1.2
up to 1 year (inc.)	1,073.6	0.1	1,152.7	0.1	1,353.3	0.1	200.6	17.4	279.7	26.1
1 to 3 years (inc.) 3 to 5 years (inc.)	3,258.4 10,474.3	0.4 1.3	3,872.1 10,704.4	0.4 1.2	4,233.2 11,171.5	0.5 1.2	361.1 467.1	9.3 4.4	974.8 697.2	29.9 6.7
5 to 10 years (inc.) 5 to 10 years (inc.)	18,957.6	2.3	10,704.4	1.2	18,246.9	2.0	600.6	3.4	-710.7	-3.7
over 10 years	23,957.5	2.9	22,330.2	2.5	22,042.6	2.4	-287.6	-1.3	-1,915.0	-8.0
3. Other ST debt	6.5	0.0	116.1	0.0	116.1	0.0	0.0	0.0	109.6	1,682.9
up to 1 year (inc.)	6.5	0.0	116.1	0.0	116.1	0.0	0.0	0.0	109.6	1,682.9

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

				chan	ge	change	
	Dec 2015	Oct 2016	Nov 2016	Nov 2016 –	Oct 2016	Nov 2016 – I	Dec 2015
				EUR m	%	EUR m	%
State Treasury debt	195,834.9	210,495.4	208,034.4	-2,461.0	-1.2	12,199.5	6.2
I. Domestic debt	127,481.5	139,445.6	136,578.1	-2,867.5	-2.1	9,096.6	7.1
Treasury securities issued in domestic market	122,889.9	134,545.9	131,683.6	-2,862.3	-2.1	8,793.6	7.2
1.1. Marketable TS	120,470.5	131,994.3	129,166.2	-2,828.1	-2.1	8,695.7	7.2
- Treasury bills	0.0	391.1	0.0	-391.1	-100.0	0.0	-
- bonds issued in domestic market	120,470.5	131,603.3	129,166.2	-2,437.0	-1.9	8,695.7	7.2
1.2. Savings bonds	2,419.4	2,551.6	2,517.3	-34.2	-1.3	97.9	4.0
2. Other ST debt	4,591.5	4,899.7	4,894.5	-5.2	-0.1	303.0	6.6
II. Foreign debt	68,353.5	71,049.8	71,456.3	406.6	0.6	3,102.8	4.5
Treasury securities issued in foreign markets	50,599.4	54,167.3	54,465.8	298.5	0.6	3,866.4	7.6
2. Loans	17,752.6	16,855.7	16,964.4	108.7	0.6	-788.2	-4.4
2.1. World Bank	7,218.8	7,210.1	7,191.1	-18.9	-0.3	-27.7	-0.4
2.2. European Investment Bank	10,324.1	9,428.9	9,566.8	137.9	1.5	-757.3	-7.3
2.3. Council of Europe Development Bank	209.6	216.6	206.4	-10.2	-4.7	-3.2	-1.5
3. Other ST debt	1.5	26.8	26.2	-0.7	-2.5	24.6	1,611.9
FX rate (EUR/PLN)	4.2615	4.3267	4.4384	0.1	2.6	0.2	4.2

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

				chan	ge	change	
	Dec 2015	Oct 2016	Nov 2016	Nov 2016 –	Oct 2016	Nov 2016 – Dec 20	
				USD m	%	USD m	%
State Treasury debt	213,927.0	230,639.8	221,313.0	-9,326.8	-4.0	7,386.0	3.5
I. Domestic debt	139,258.7	152,790.6	145,295.7	-7,494.9	-4.9	6,037.0	4.3
Treasury securities issued in domestic market	134,243.0	147,421.9	140,088.8	-7,333.1	-5.0	5,845.8	4.4
1.1. Marketable TS	131,600.1	144,626.2	137,410.8	-7,215.4	-5.0	5,810.7	4.4
- Treasury bills	0.0	428.5	0.0	-428.5	-100.0	0.0	-
- bonds issued in domestic market	131,600.1	144,197.7	137,410.8	-6,786.9	-4.7	5,810.7	4.4
1.2. Savings bonds	2,642.9	2,795.7	2,678.0	-117.7	-4.2	35.1	1.3
2. Other ST debt	5,015.7	5,368.6	5,206.9	-161.7	-3.0	191.2	3.8
II. Foreign debt	74,668.3	77,849.2	76,017.3	-1,831.9	-2.4	1,349.0	1.8
Treasury securities issued in foreign markets	55,274.0	59,351.1	57,942.3	-1,408.8	-2.4	2,668.3	4.8
2. Loans	19,392.6	18,468.7	18,047.2	-421.6	-2.3	-1,345.4	-6.9
2.1. World Bank	7,885.7	7,900.1	7,650.1	-249.9	-3.2	-235.6	-3.0
2.2. European Investment Bank	11,277.9	10,331.3	10,177.4	-153.8	-1.5	-1,100.4	-9.8
2.3. Council of Europe Development Bank	229.0	237.4	219.6	-17.8	-7.5	-9.4	-4.1
3. Other ST debt	1.7	29.4	27.8	-1.6	-5.4	26.2	1,567.1
FX rate (USD/PLN)	3.9011	3.9488	4.1721	0.2	5.7	0.3	6.9

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