

Republic

Public Debt Q4 2021

of Poland Quarterly newsletter

1. At the end of the fourth quarter of 2021 the consolidated public debt (according 6. The changes in the EDP debt in the fourth quarter of 2021 were similar to

to the domestic definition) **stood at PLN 1,148,575.8 million**¹ and compared with: - the previous quarter it fell by PLN 12 162.4 million (-1.0%);

- the end of 2020 it rose by PLN 36,769.5 million (+3.3%).

2. The decrease of the public debt in the fourth quarter 2021 was a combination of:

- a decrease in the central government sector debt of PLN 15,976.8 million (-1.5%), including a decrease in consolidated State Treasury (ST) debt of PLN 16,002.2 million (-1.5%);

- an increase in the local government sector debt of PLN 3,817.6 million (+4.3%), with an increase in local government units' (LGUs) debt of PLN 4,071.3 million (+4.9%);

- a decrease in the social security sector debt of PLN 3.2 million (-6.4%).

3. The increase of the public debt in 2021 resulted from:

- an increase in the central government sector debt of PLN 35,134.8 million(+3.4%), including an increase in consolidated State Treasury debt of PLN 34,751.5 million (+3.4%);

- an increase in the local government sector debt of PLN 1,643.4 million (+1.8%), with an increase in LGUs' debt of PLN 1,431.4 million (+1.7%);

- a decrease in the social security sector debt of PLN 8.8 million (-15.8%).

4. The public debt to GDP ratio in 2021 amounted to 44.1%², down by 3.7 percentage points compared with 2020.

5. At the end of the fourth quarter of 2021 the general government debt (EDP debt, part of the government finance Maastricht criterion) was at PLN 1,410,493.6 million^{1,3} and compared with:

- the previous quarter it fell by PLN 8,329.8 million (-0.6%);

- the end of 2020 it rose by PLN 73,936.0 million (+5.5%).

¹⁾ Data regarding the fourth quarter of 2021 are preliminary. Data regarding previous periods were updated if necessary.

²⁾ According to the first estimate of the Statistics Poland from 28 February 2022 the GDP in 2021 amounted to PLN 2,603.1 billion

³⁾ Lack of information on the consolidation of mutual debt of corporations included in the general government sector.

Table 1. Public debt according to the place of issue criterion - after consolidation (PLN m, at face value, eop)

Table 1. Fubile debt according to the place of issue citterion - after consolidation (FER II), at face value, eop												
		structure		structure		structure	change Q4 2021 - Q3 2021		change			
Item	Q4 2020	Q4 2020	Q3 2021	Q3 2021	Q4 2021	Q4 2021			Q4 2021 - Q4 2020			
							PLN m	%	PLN m	%		
Public debt	1,111,806.3	100.0%	1,160,738.2	100.0%	1,148,575.8	100.0%	-12,162.4	-1.0%	36,769.5	3.3%		
Domestic debt	823,542.1	74.1%	858,651.6	74.0%	859,051.6	74.8%	399.9	0.0%	35,509.4	4.3%		
1. Debt securities	749,081.2	67.4%	784,727.9	67.6%	783,583.1	68.2%	-1,144.8	-0.1%	34,501.9	4.6%		
2. Loans	65,763.2	5.9%	63,165.8	5.4%	65,385.2	5.7%	2,219.4	3.5%	-378.0	-0.6%		
3. Other domestic liabilities	8,697.7	0.8%	10,757.9	0.9%	10,083.3	0.9%	-674.6	-6.3%	1,385.5	15.9%		
Foreign debt	288,264.2	25.9%	302,086.6	26.0%	289,524.2	25.2%	-12,562.4	-4.2%	1,260.0	0.4%		
1. Debt securities	198,286.3	17.8%	180,159.7	15.5%	170,101.0	14.8%	-10,058.7	-5.6%	-28,185.3	-14.2%		
2. Loans	89,970.6	8.1%	121,913.9	10.5%	119,405.2	10.4%	-2,508.7	-2.1%	29,434.6	32.7%		
3. Other foreign liabilities	7.4	0.0%	13.0	0.0%	18.0	0.0%	5.0	38.2%	10.7	145.1%		

Table 2. Public debt according to the residency criterion - after consolidation (PLN m, at face value, eop)

		structure		structure		structure	change		char	nge
Item	Q4 2020	Q4 2020	Q3 2021	Q3 2021	Q4 2021	Q4 2021	Q4 2021 -	Q4 2021 - Q3 2021		Q4 2020
							PLN m	%	PLN m	%
Public debt	1,111,806.3	100.0%	1,160,738.2	100.0%	1,148,575.8	100.0%	-12,162.4	-1.0%	36,769.5	3.3%
Domestic debt	716,558.7	64.4%	755,497.1	65.1%	758,668.5	66.1%	3,171.4	0.4%	42,109.8	5.9%
1. Debt securities	642,107.7	57.8%	681,583.6	58.7%	683,209.8	59.5%	1,626.2	0.2%	41,102.1	6.4%
2. Loans	65,763.2	5.9%	63,165.8	5.4%	65,385.2	5.7%	2,219.4	3.5%	-378.0	-0.6%
3. Other domestic liabilities	8,687.8	0.8%	10,747.7	0.9%	10,073.5	0.9%	-674.2	-6.3%	1,385.7	16.0%
Foreign debt	395,247.6	35.6%	405,241.1	34.9%	389,907.3	33.9%	-15,333.8	-3.8%	-5,340.3	-1.4%
1. Debt securities	305,259.7	27.5%	283,304.0	24.4%	270,474.3	23.5%	-12,829.7	-4.5%	-34,785.4	-11.4%
2. Loans	89,970.6	8.1%	121,913.9	10.5%	119,405.2	10.4%	-2,508.7	-2.1%	29,434.6	32.7%
3. Other foreign liabilities	17.3	0.0%	23.3	0.0%	27.8	0.0%	4.6	19.6%	10.5	60.5%

6. **The changes in the EDP debt in the fourth quarter of 2021** were similar to those in the public debt measured according to the domestic definition. Additionally the EDP debt was influenced by:

- an increase in the consolidated debt of the COVID-19 Counteraction Fund (FPC) by PLN 5,826.8 million;

- an increase in T-securities held by Bank Guarantee Fund (incl. funds for protection of the guaranteed assets) by PLN 1,594.0 million which resulted in a decrease of EDP debt due to an increase of consolidation of liabilities between units of the general government sector;

- an increase in debt of National Road Fund (NRF) by PLN 1,394.0 million.

7. The change in the EDP debt throughout 2021, in addition to changes in the public debt measured according to the domestic definition, were further influenced by:

- an increase in the consolidated debt of the FPC by PLN 39,378.1 million;

- an increase in the debt of the Polish Development Fund issued to finance the Financial Shield by PLN 8,500.0 million;

- a decrease in the impact of classifying of corporations in the general government sector by PLN 5,684.7 million, including an increase of debt by PLN 1,737.3 million and an increase in TS held by these units by PLN 7,422.0 million;

- an increase in TS held by BFG (incl. funds for protection of the guaranteed assets) by PLN 3,182.9 million.

8. The EDP debt to GDP ratio in 2021 amounted to 54.2%², down by 3.3 percentage points compared with 2020.

The differences between public debt according to the domestic definition and general government debt are presented in chart 3 (page 2) and in table 3 (page 7).

Chart 1. Public debt

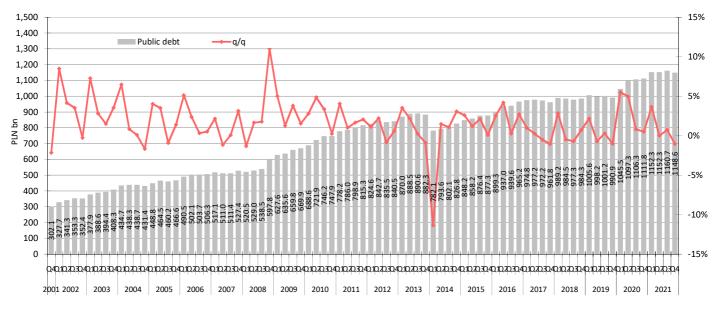


Chart 2. EDP debt

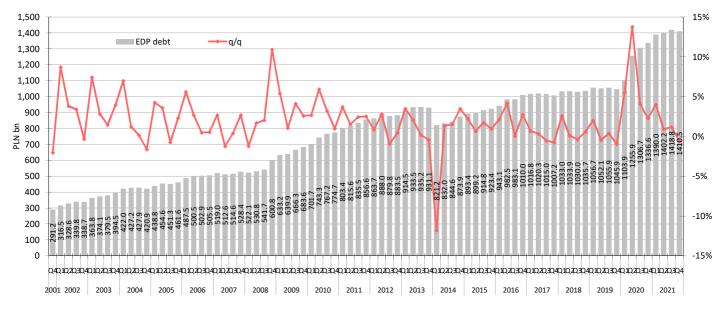


Chart 3. Differences between general government debt and public debt

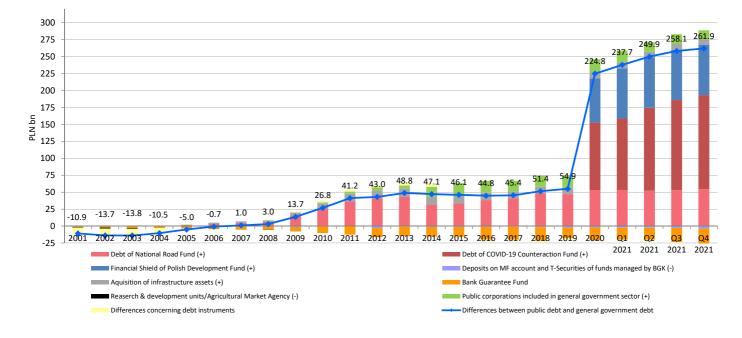


Chart 4. Public debt according to the place of issue criterion

At the end of the fourth quarter of 2021 the domestic debt stood at PLN 859.1 bn, up by PLN 0.4 bn (+0.05%) compared with the previous quarter and up by PLN 35.5 bn (+4.3%) throughout 2021. Foreign debt stood at PLN 289.5 bn, down by PLN 12.6 bn (-4.2%) compared with the previous quarter and up by 1.3 (+0.4%) in 2021. The increase in the foreign debt in 2021 was mainly due to:

- an increase in ST debt denominated in EUR (EUR +1.3 bn), in CNY (CNY +3.0 bn) and a decrease in debt denominated in JPY (JPY -50 bn), in USD (USD -1.7 bn), in CHF (CHF -0.5 bn); - depreciation of the Polish zloty against USD, CHF i CNY - an increase in debt of PLN 2.2 bn.

At the end of 2021, the share of foreign debt in public debt stood at 25.2%, down 0.8 pp. in the fourth quarter and by 0.7 percentage points compared with the previous year.

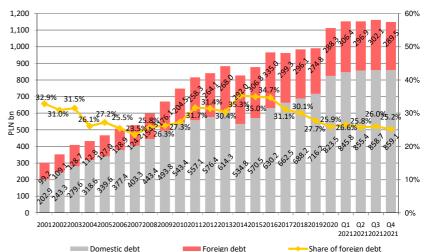
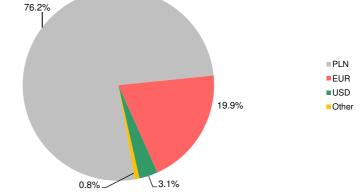
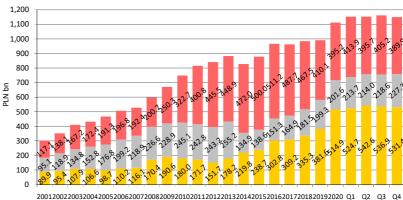


Chart 5. Currency structure of the public debt

At the end of 2021 liabilities denominated in PLN accounted for 76.2% of public debt, up by 0.8 percentage points compared with the previous year. Foreign liabilities denominated in PLN accounted for 1.4% of public debt, therefore the share of foreign currencies in the public debt (23.8%) was lower than the share of foreign debt (25.2%). The share of debt denominated in EUR amounted to 19.9%. The debt of entities other than the State Treasury consisted of liabilities in PLN (91.2%; a decrease of 0.3 percentage points compared to the end of 2020) and in EUR (8.8%).





2021202120212021 Domestic banking sector Foreign investors

Domestic non-banking sector

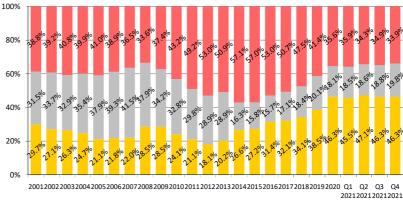


Chart 7. Structure of the public debt by holder

The share of public debt towards foreign investors fell by 1.0 pp. in the fourth quarter of 2021 and by 1.6 pp. in the whole 2021 to 33.9% (the lowest level since 2008). The decrease in the share of non-residents in the public debt was mainly the result of a decrease in foreign investors' involvement in domestic TS and a decrease in the share of foreign currency denominated debt.

The share of the public debt towards domestic banking amounted to 46.3% - no change compared with the previous quarter and the end of 2021. The share of the public debt towards domestic non-banking sector rose by 1.0 pp in the fourth quarter and by 1.7 pp in 2021 and amounted to 19.8%.

Domestic banking sector Domestic non-banking sector

Foreign investors

Chart 6. Public debt by holder

In the fourth quarter of 2021 the public debt towards:

- domestic banking sector fell by PLN 5.5 bn (-1.0%);
- domestic non-banking sector rose by PLN 8.7 bn (+4.0%);
- non-residents fell by PLN 15.3 bn (-3.8%).
- Compared with the end of 2020 public debt towards:

- domestic banking sector rose by PLN 16.4 bn (+3.2%);

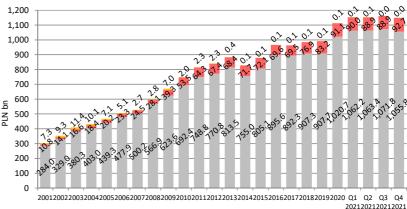
- domestic non-banking sector rose by PLN 25.7 bn (+12.7%);
- foreign investors (non-residents) fell by PLN 5.3 bn

(-1.4%).

Chart 8. Consolidated public debt by subsector

At the end of the fourth quarter of 2021 the public debt consisted of:

- central government debt PLN 1,055.8 bn;
- local government debt PLN 92.7 bn;
- social security funds debt PLN 0.05 bn.



Central government Local government

20212021202120

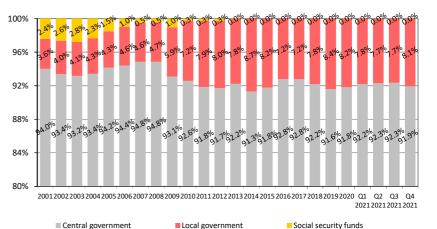
Social security funds

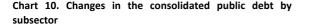
Chart 9. Structure of the consolidated public debt by subsector

At the end of the fourth quarter of 2021 the share of subsectors in total public debt amounted to:

- central government subsector - 91.9% (up by 0.1 percentage points compared with 2020);

local government subsector - 8.1% (down by 0.1 percentage points compared with 2020), of which 7.6% represented debt of local government units and their unions;
 social security funds - 0.004%.





The change of the public debt in the fourth quarter of 2021 was mainly a result of the central government debt decrease, in particular of ST debt.

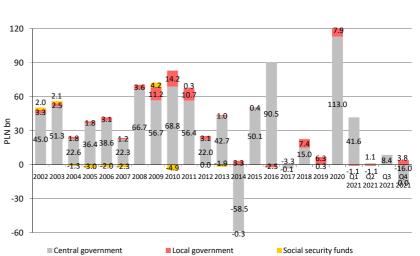
Public debt fell by PLN 12.2 bn (-1.0%) while both central government debt and consolidated ST debt fell by PLN 16.0 bn (-1.5%).

Local government debt rose in the fourth quarter of 2021 by PLN 3.8 bn (+4.3%), with an increase in local government units debt of PLN 4.1 bn (+4.9%).

Social security funds debt fell in the fourth quarter of 2021 by PLN 3.2 m (-6.4%).

Chart 11. Structure of the public debt by instrument

At the end of the fourth quarter of 2021 marketable instruments comprised 83.0% of the public debt, including instruments issued on the domestic market - 68.2%. The share of marketable instruments in the public debt fell by 2.2 percentage points compared with the end of 2020.



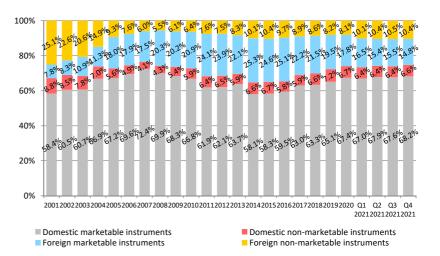
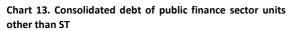


Chart 12. Unconsolidated debt of the public finance sector units other than ST

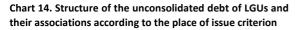
125

100

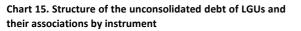
At the end of the fourth quarter of 2021, the unconsolidated debt of units other than ST amounted to 8.1% of the public debt, down from 8.3% at the end of 2020. Among those entities the debt of local government units and their unions (7.4%, as compared to 7.5% at the end of 2020) and of local health care units (share of 0.5%) constituted the largest part.



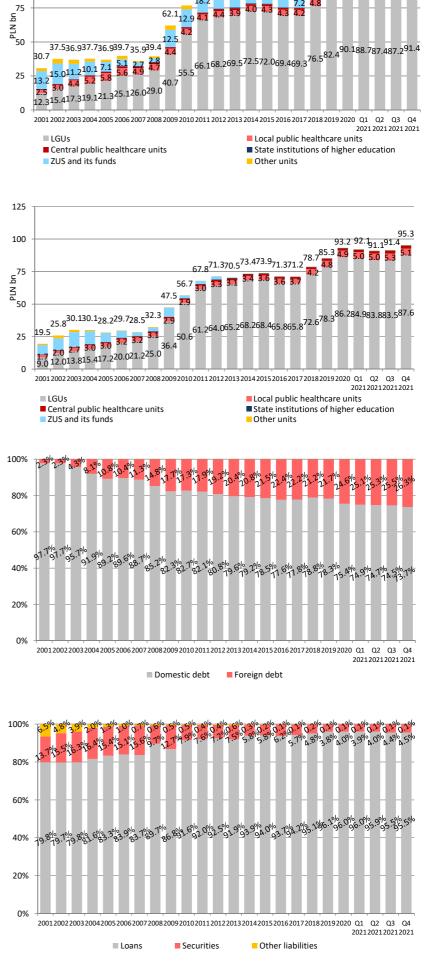
At the end of the fourth quarter of 2021 the difference between consolidated and unconsolidated debt of public finance sector units other than ST amounted to PLN 5.1 bn. The reason is that 5.1% of their debt were liabilities towards other public finance sector units.



The structure of liabilities of local government units and their unions was dominated by domestic debt. The share of foreign debt amounted to 26.3% at the end of the fourth quarter of 2021, up by 1.7 percentage points compared with the end of 2020.



Loans prevailed in the structure of liabilities of LGUs and their unions with the share of 95.5%. The share of loans fell by 0.5 percentage points compared with the previous year.



124.4122.6 11<u>8.</u>9

100.3

98.9_{97.1}

90.6

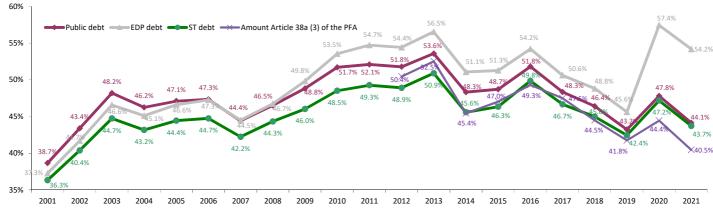
83.1 83.8

7.2

107.2

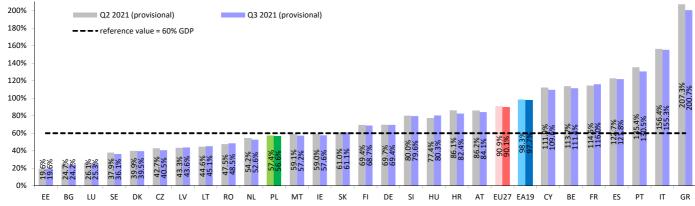
95.8

Chart 16. Public debt, EDP debt and State Treasury debt to GDP ratios (eop)



Source: Ministry of Finance





Source: Eurostat - http://ec.europa.eu/eurostat/data/database, Ministry of Finance

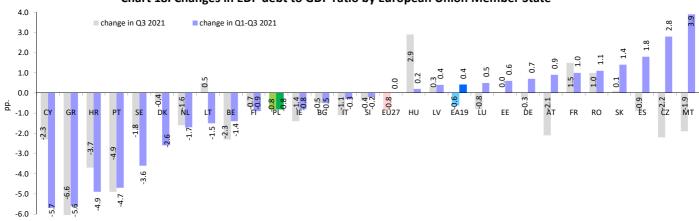


Chart 18. Changes in EDP debt to GDP ratio by European Union Member State

Source: Eurostat - http://ec.europa.eu/eurostat/data/database, Ministry of Finance



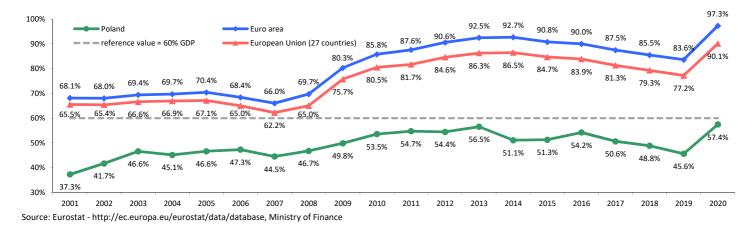


Table 3. Differences between public debt (according to domestic methodology) and general government debt (PLN m)

ITEM	2015	2016	2017	2018	2019	2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021
Public debt	877,282.4	965,199.0	961,841.5	984,313.5	990,948.4	1,111,806.3	1,152,282.2	1,152,289.1	1,160,738.2	1,148,575.8
1) Adjustments concerning the scope of the sector	47,842.9	46,943.2	46,975.7	52,822.6	56,458.9	225,024.2	238,801.2	250,931.5	259,458.8	262,891.8
Debt of National Road Fund (consolidated within general governmet)	33,312.4	38,467.0	41,087.8	47,952.3	47,133.4	53,222.8	53,303.8	52,255.2	52,965.5	54,359.5
Debt of COVID-19 Counteraction Fund (consolidated within general governmet)	-		-	-	-	99,448.9	105,448.5	122,374.6	133,000.3	138,827.0
Financial Shield of Polish Development Fund	-	-	-	-	-	65,400.0	73,900.0	73,900.0	73,900.0	73,900.0
T-Securities and deposits on MF account of funds managed by BGK	-1,410.9	-1,384.1	-1,023.1	-1,588.8	-2,257.8	-1,994.2	-2,469.0	-2,543.3	-2,819.5	-3,707.6
Aquisition of infrastructure assets (motorways)	11,023.2	10,699.0	10,341.9	9,961.8	9,538.5	8,995.6	8,902.0	8,718.3	8,625.2	8,435.6
Bank Guarantee Fund	-14,039.8	-18,255.0	-18,930.5	-19,848.4	-15,815.6	-18,972.9	-17,454.6	-17,475.6	-20,567.8	-22,161.9
Public corporations included in general government sector	18,958.0	17,416.3	15,499.6	16,345.6	17,860.3	18,923.9	17,170.5	13,702.3	14,355.2	13,239.3
2) Differences concerning debt instruments	-1,708.8	-2,120.3	-1,617.7	-1,417.7	-1,542.0	-272.9	-1,106.0	-1,057.4	-1,373.5	-974.0
matured payables	-1,795.0	-1,733.0	-2,106.1	-1,733.1	-1,930.9	-1,688.7	-1,899.9	-2,025.5	-2,165.4	-1,632.1
debt assumption - activation of a guarantee	0.0	0.1	2.3	2.1	0.0	4.2	1.0	0.3	12.2	12.2
restructured/refinanced trade credits and sell-lease-back operations	569.4	693.2	725.5	763.5	847.7	816.3	789.5	793.0	796.2	719.6
derivatives	-483.2	-1,080.7	-239.5	-450.2	-458.9	595.3	3.4	174.7	-16.5	-73.6
General government debt	923,416.5	1,010,021.9	1,007,199.6	1,035,718.3	1,045,865.3	1,336,557.6	1,389,977.4	1,402,163.1	1,418,823.4	1,410,493.6

Table 2. Public debt - before consolidation (PLN m, at face value, eop)

		structure		structure		structure	change		char	nge
ITEM		Q4 2020	Q3 2021	Q3 2021	Q4 2021	Q4 2021	Q4 2021 - Q3 2021		Q4 2021 -	Q4 2020
							m PLN	%	m PLN	%
Public debt	1,196,366.5	100.0%	1,241,070.1	100.0%	1,238,381.0	100.0%	-2,689.0	-0.2%	42,014.5	3.5%
1. Central government sector debt	1,100,245.7	92.0%	1,147,424.1	92.5%	1,140,728.2	92.1%	-6,695.8	-0.6%	40,482.5	3.7%
1.1. State Treasury	1,097,480.0	91.7%	1,144,751.6	92.2%	1,138,031.3	91.9%	-6,720.3	-0.6%	40,551.3	3.7%
1.2. Earmarked State funds	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-
1.3. State institutions of higher education	377.4	0.0%	352.9	0.0%	367.4	0.0%	14.5	4.1%	-10.1	-2.7%
1.4. Independent public healthcare units	1,708.3	0.1%	2,016.1	0.2%	1,989.8	0.2%	-26.3	-1.3%	281.5	16.5%
1.5. State institutions of culture	4.1	0.0%	1.1	0.0%	1.6	0.0%	0.6	51.9%	-2.5	-60.4%
1.6. Polish Academy of Science and units established by it	20.1	0.0%	19.0	0.0%	20.4	0.0%	1.4	7.2%	0.3	1.4%
 7. Other central government legal entities established under separate acts for public tasks execution, with the exeption of enterprises, banks and companies organized under commercial law 	655.8	0.1%	283.4	0.0%	317.7	0.0%	34.3	12.1%	-338.1	-51.6%
2. Local government sector debt	96,065.3	8.0%	93,596.1	7.5%	97,606.1	7.9%	4,010.0	4.3%	1,540.8	1.6%
2.1. Local government units	90,139.1	7.5%	87,159.6	7.0%	91,415.4	7.4%	4,255.8	4.9%	1,276.3	1.4%
2.2. Independent public health units	5,513.0	0.5%	6,004.6	0.5%	5,762.8	0.5%	-241.8	-4.0%	249.8	4.5%
2.3. Local institutions of culture	94.7	0.0%	106.1	0.0%	100.4	0.0%	-5.7	-5.4%	5.7	6.0%
2.4. Other local government legal entities established under separate acts for public tasks execution, with the exeption of enterprises, banks and companies organized under commercial law	318.5	0.0%	325.8	0.0%	327.4	0.0%	1.6	0.5%	9.0	2.8%
3. Social Security Sector debt	55.5	0.0%	50.0	0.0%	46.7	0.0%	-3.2	-6.4%	-8.8	-15.8%
3.1. Social Insurance Institution	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-100.0%
3.2. Funds managed by Social Insurance Institution	55.5	0.0%	50.0	0.0%	46.7	0.0%	-3.2	-6.4%	-8.8	-15.8%
3.3. Agricultural Social Insurance Fund	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-
3.4. National Health Fund	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-

Table 5. Public debt - after consolidation (PLN m, at face value, eop)

		structure		structure		structure	change		change	
ITEM	Q4 2020	Q4 2020	Q3 2021	Q3 2021	Q4 2021	Q4 2021	Q4 2021	Q3 2021	Q4 2021 -	Q4 2020
							m PLN	%	m PLN	%
Public debt	1,111,806.3	100.0%	1,160,738.2	100.0%	1,148,575.8	100.0%	-12,162.4	-1.0%	36,769.5	3.3%
1. Central government sector debt	1,020,652.3	91.8%	1,071,764.0	92.3%	1,055,787.2	91.9%	-15,976.8	-1.5%	35,134.8	3.4%
1.1. State Treasury	1,018,569.4	91.6%	1,069,323.1	92.1%	1,053,320.9	91.7%	-16,002.2	-1.5%	34,751.5	3.4%
1.2. Earmarked State funds	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-
1.3. State institutions of higher education	355.9	0.0%	332.0	0.0%	346.5	0.0%	14.4	4.3%	-9.4	-2.6%
1.4. Independent public health units	1,652.8	0.1%	1,961.4	0.2%	1,935.2	0.2%	-26.2	-1.3%	282.4	17.1%
1.5. State institutions of culture	4.0	0.0%	1.1	0.0%	1.6	0.0%	0.6	53.0%	-2.4	-59.7%
1.6. Polish Academy of Science and units established by it	4.9	0.0%	4.1	0.0%	6.0	0.0%	2.0	48.3%	1.1	22.5%
1.7. Other central government legal entities established under separate acts for public										
tasks execution, with the exeption of enterprises, banks and companies organized under commercial law	65.3	0.0%	142.3	0.0%	176.9	0.0%	34.6	24.3%	111.6	170.9%
2. Local government sector debt	91,098.4	8.2%	88,924.3	7.7%	92,741.9	8.1%	3,817.6	4.3%	1,643.4	1.8%
2.1. Local government units	86,174.2	7.8%	83,534.3	7.2%	87,605.7	7.6%	4,071.3	4.9%	1,431.4	1.7%
2.2. Independent public health units	4,859.9	0.4%	5,322.3	0.5%	5,066.9	0.4%	-255.4	-4.8%	207.0	4.3%
2.3. Local institutions of culture	62.0	0.0%	61.3	0.0%	63.0	0.0%	1.7	2.8%	1.0	1.6%
2.4. Other local government legal entities established under separate acts for public										
tasks execution, with the exeption of enterprises, banks and companies organized under commercial law	2.3	0.0%	6.3	0.0%	6.3	0.0%	-0.1	-1.1%	4.0	175.4%
3. Social Security Sector debt	55.5	0.0%	50.0	0.0%	46.7	0.0%	-3.2	-6.4%	-8.8	-15.8%
3.1. Social Insurance Institution	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-100.0%
3.2. Funds managed by Social Insurance Institution	55.5	0.0%	50.0	0.0%	46.7	0.0%	-3.2	-6.4%	-8.8	-15.8%
3.3. Agricultural Social Insurance Fund	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-
3.4. National Health Fund	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-	0.0	-

7

Ministry of Finance Public Debt Department

tel. +48 22 694 50 00

sekretariat.dp@mf.gov.pl