

Public Debt 2023 Q1
Quarterly newsletter

1. **At the end of the first quarter of 2023 the consolidated public debt** (according to the domestic definition) **stood at PLN 1,209,798.0 million¹** and compared with the end of 2022 it rose by PLN 192.7 million (+0.02%).

2. **The increase in the public debt in the first quarter of 2023** was a combination of:

- an increase in the central government sector debt of PLN 1,650.4 million (+0.1%), including an increase in consolidated State Treasury (ST) debt of PLN 1,861.9 million (+0.2%);
- a decrease in the local government sector debt of PLN 1,449.5 million (-1.6%), with a decrease in the local government units' (LGUs) debt of PLN 1,568.3 million (-1.8%);
- a decrease in the social security sector debt of PLN 8.2 million (-26.6%).

3. **At the end of the first quarter of 2023, the public debt to GDP ratio amounted to 38.0%², down by 1.3 percentage points compared with the end of 2022.**

4. **At the end of the first quarter of 2023 the general government debt** (EDP debt, part of the government finance Maastricht criterion) **was at PLN 1,531,780.5 million^{1,3}** and compared with the end of 2022 it rose by PLN 19,546.1 million (+1.3%).

6. **The changes in the EDP debt in the first quarter of 2023** 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 debt of the the COVID-19 Response Fund (FPC) by PLN 6,194.4 million;
- an increase in the debt of the Armed Forces Support Fund (FWSZ) by PLN 3,872.5 million;
- a decrease in deposits on the Minister of Finance account and TS held by funds managed by BGK by PLN 9,586.7 million which resulted in an increase of EDP debt due to a decrease of consolidation of liabilities between units of the general government sector.

6. **At the end of the first quarter of 2023, the general government debt to GDP ratio amounted to 48.1%², down by 1.0 percentage points compared with the end of 2022.**

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 8).

¹ Data regarding the first quarter of 2023 are preliminary. Data regarding previous periods were updated if necessary.

² GDP for four consecutive quarters.

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)

Item	2021 Q4	structure 2021 Q4	2022 Q4	structure 2022 Q4	2023 Q1	structure 2023 Q1	change		change	
							2023 Q1 - 2022 Q4 PLN m	%	2022 Q4-2021 Q4 PLN m	%
Public debt	1,148,579.0	100.0%	1,209,605.4	100.0%	1,209,798.0	100.0%	192.7	0.0%	61,026.4	5.3%
Domestic debt	859,054.7	74.8%	896,683.1	74.1%	898,118.4	74.2%	1,435.3	0.2%	37,628.4	4.4%
1. Debt securities	783,520.9	68.2%	806,626.2	66.7%	819,723.6	67.8%	13,097.4	1.6%	23,105.3	2.9%
2. Loans	65,450.3	5.7%	65,438.9	5.4%	62,814.3	5.2%	-2,624.6	-4.0%	-11.4	0.0%
3. Other domestic liabilities	10,083.5	0.9%	24,618.0	2.0%	15,580.6	1.3%	-9,037.4	-36.7%	14,534.5	144.1%
Foreign debt	289,524.2	25.2%	312,922.3	25.9%	311,679.6	25.8%	-1,242.6	-0.4%	23,398.1	8.1%
1. Debt securities	170,101.0	14.8%	175,068.5	14.5%	174,225.5	14.4%	-843.0	-0.5%	4,967.6	2.9%
2. Loans	119,405.2	10.4%	137,838.2	11.4%	137,439.8	11.4%	-398.4	-0.3%	18,432.9	15.4%
3. Other foreign liabilities	18.0	0.0%	15.6	0.0%	14.3	0.0%	-1.3	-8.3%	-2.5	-13.6%

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

Item	2021 Q4	structure 2021 Q4	2022 Q4	structure 2022 Q4	2023 Q1	structure 2023 Q1	change		change	
							2023 Q1 - 2022 Q4 PLN m	%	2022 Q4-2021 Q4 PLN m	%
Public debt	1,148,579.0	100.0%	1,209,605.4	100.0%	1,209,798.0	100.0%	192.7	0.0%	61,026.4	5.3%
Domestic debt	758,671.6	66.1%	773,896.3	64.0%	778,380.5	64.3%	4,484.2	0.6%	15,224.7	2.0%
1. Debt securities	683,147.6	59.5%	683,853.1	56.5%	699,999.6	57.9%	16,146.5	2.4%	705.5	0.1%
2. Loans	65,450.3	5.7%	65,438.9	5.4%	62,814.3	5.2%	-2,624.6	-4.0%	-11.4	0.0%
3. Other domestic liabilities	10,073.8	0.9%	24,604.3	2.0%	15,566.6	1.3%	-9,037.7	-36.7%	14,530.6	144.2%
Foreign debt	389,907.3	33.9%	435,709.1	36.0%	431,417.5	35.7%	-4,291.6	-1.0%	45,801.8	11.7%
1. Debt securities	270,474.3	23.5%	297,841.6	24.6%	293,949.5	24.3%	-3,892.2	-1.3%	27,367.4	10.1%
2. Loans	119,405.2	10.4%	137,838.2	11.4%	137,439.8	11.4%	-398.4	-0.3%	18,432.9	15.4%
3. Other foreign liabilities	27.8	0.0%	29.3	0.0%	28.2	0.0%	-1.1	-3.6%	1.5	5.2%

Chart 1. Public debt

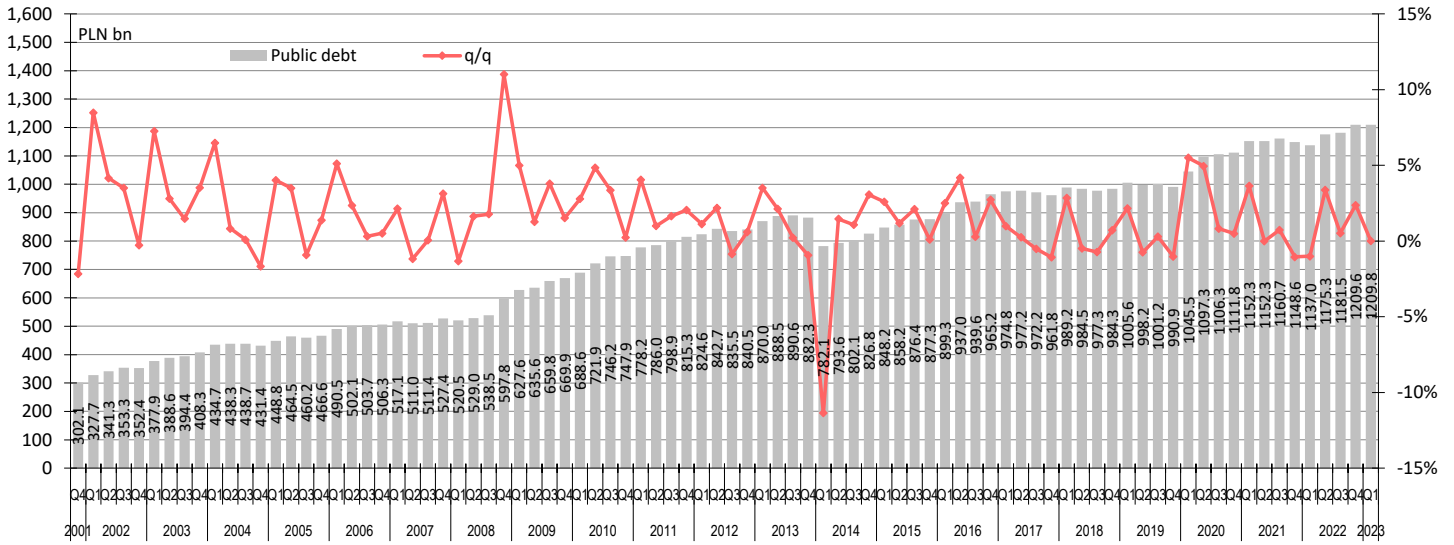


Chart 2. EDP debt

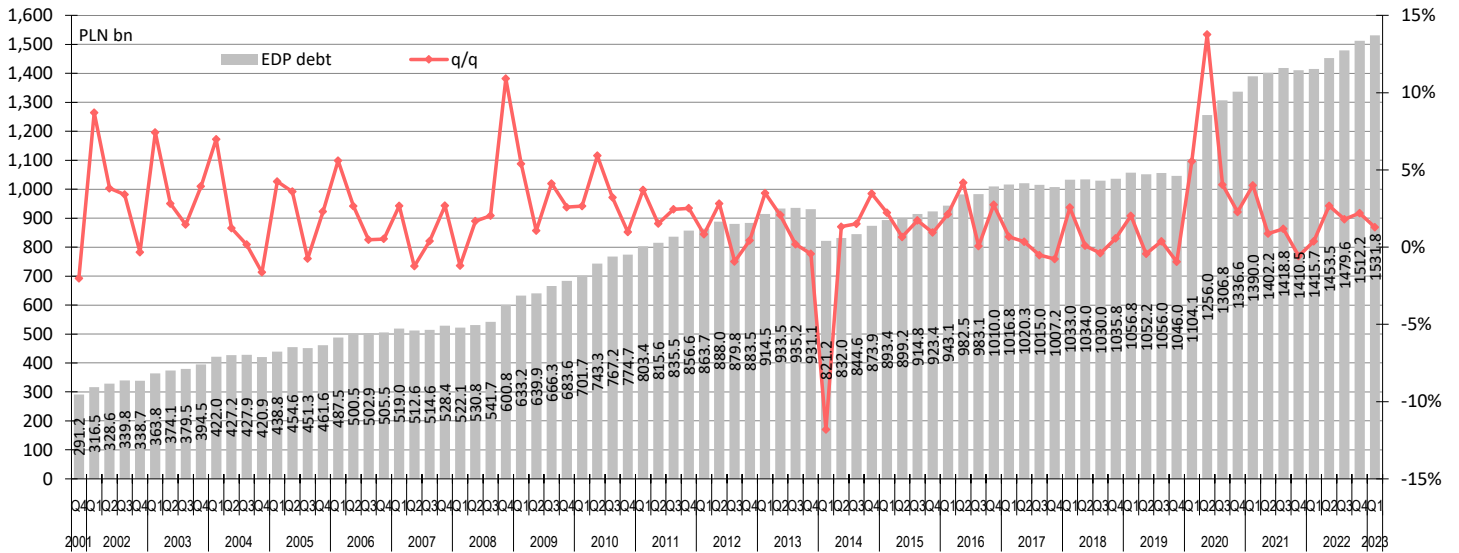


Chart 3. Differences between the general government debt and the public debt

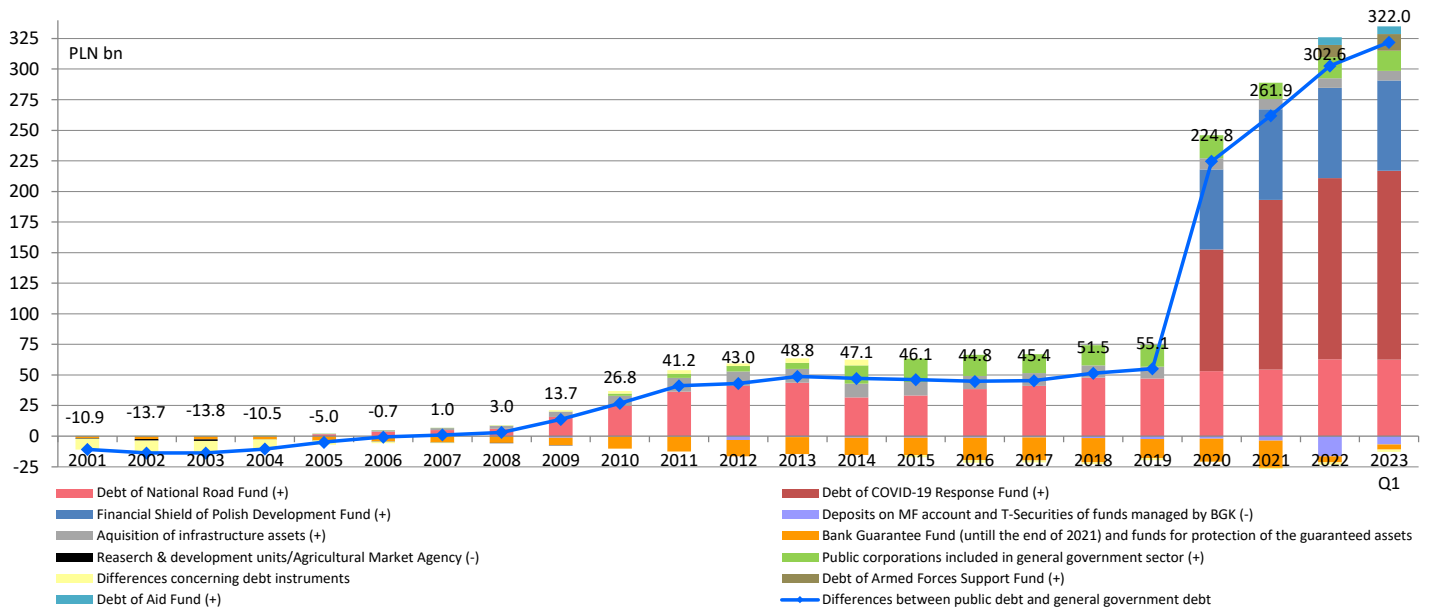


Chart 4. Public debt according to the place of issue criterion

At the end of the first quarter of 2023 the domestic debt stood at PLN 898.1 bn, up by PLN 1.4 bn (+0.2%) compared with the previous quarter.

Foreign debt stood at PLN 311.7 bn, down by PLN 1.2 bn (-0.4%) compared with the previous quarter.

The decrease in the foreign debt in the first quarter of 2023 was a combination of:

- a change in ST foreign securities denominated in EUR (EUR +2.0 bn) and in USD (USD - 2.0 bn);
- appreciation of the Polish zloty against EUR, USD, JPY and CNY - a decrease in the public debt of PLN 2.1 bn.

At the end of the first quarter the share of foreign debt in the total debt amounted to 25.8%, down by 0.1 percentage points compared with the end of 2022.

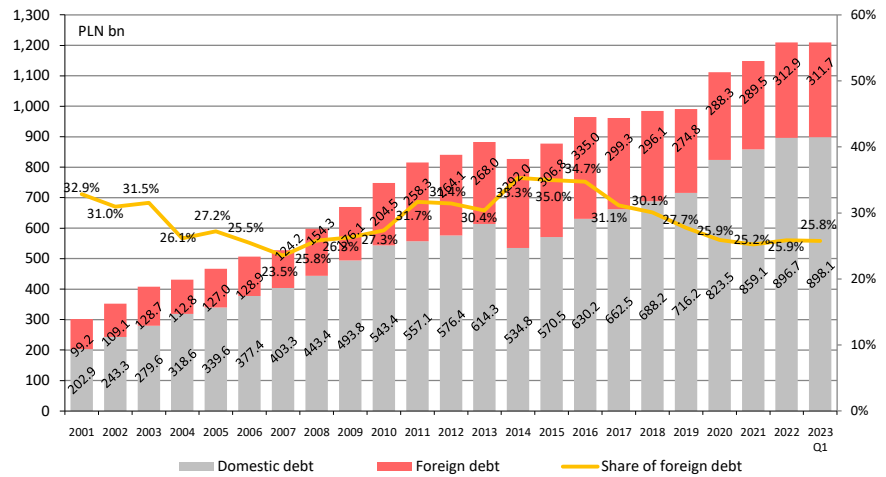


Chart 5. Currency structure of the public debt*

At the end of the first quarter of 2023 liabilities denominated in PLN accounted for 75.8% of the public debt (no change compared with the end of 2022).

The share of debt denominated in EUR amounted to 21.0% and denominated in USD amounted to 2.4%.

* estimates for the quarterly currency structure of the debt of units other than the State Treasury

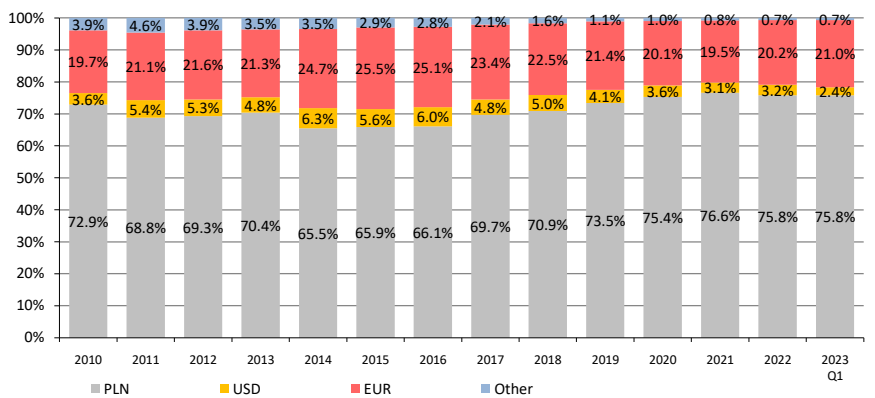


Chart 6. Public debt by holder

In the first quarter of 2023 the public debt towards:

- domestic banking sector rose by PLN 1.5 bn (+0.3%);
- domestic non-banking sector rose by PLN 2.9 bn (+1.1%);
- non-residents fell by PLN 4.3 bn (-1.0%).

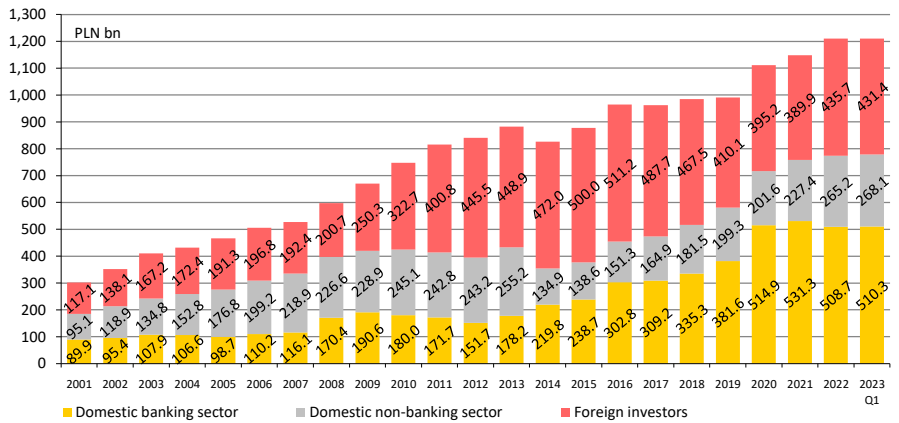


Chart 7. Structure of the public debt by holder

The share of the public debt towards foreign investors fell by 0.4 percentage points in the first quarter and amounted 35.7%. The decrease in the share of non-residents in the public debt first quarter resulted mainly from a decrease in foreign investors' involvement in domestic TS.

The share of the public debt towards domestic banking sector amounted to 42.2%, up by 0.1 in the first quarter.

The share of the public debt towards domestic non-banking sector rose by 0.2 percentage points in the first quarter and reached 22.2%.

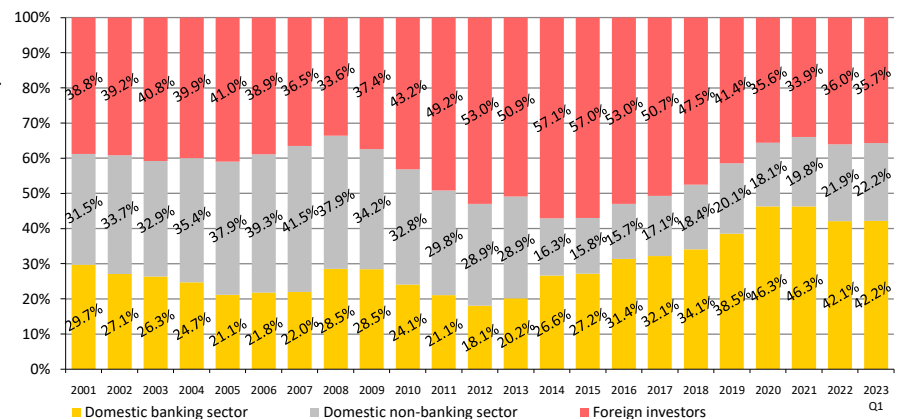


Chart 8. General government debt according to the place of issue criterion

At the end of the first quarter of 2023 the domestic debt stood at PLN 1,114.4 bn, up by PLN 12.8 bn (+1.2%) compared with the previous quarter.

Foreign debt stood at PLN 417.3 bn, up by PLN 6.8 bn (+1.6%) compared with the previous quarter.

The increase in the foreign debt in the first quarter of 2023 was a combination of:

- an increase in foreign debt of KFD, FPC and FWSZ in debt securities (EUR 0.9 bn) and in loans (EUR 0.7 bn and SEK 1.5 bn);
- a decrease in the general government debt due to FX rates movements of PLN 2.2 bn.

At the end of the first quarter the share of foreign debt in the total debt amounted to 27.2%, up by 0.1 percentage points compared with the end of 2022.

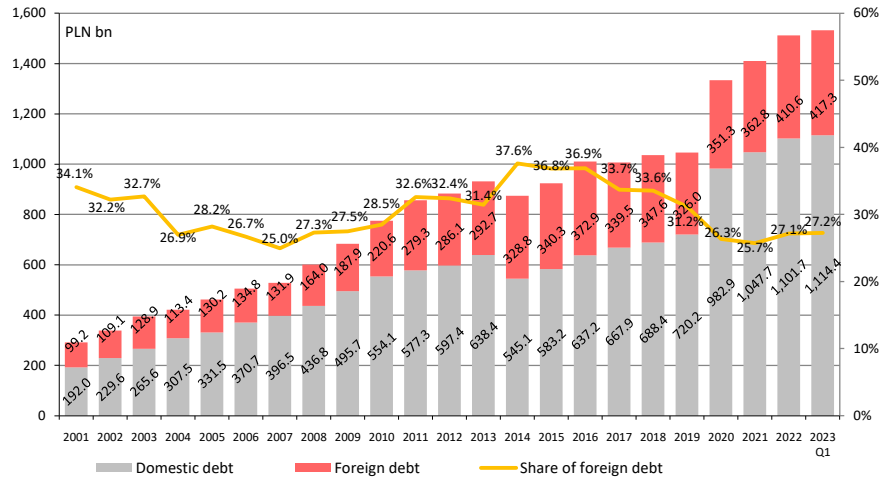


Chart 9. Currency structure of the general government debt

At the end of the first quarter of 2023 liabilities denominated in PLN accounted for 75.7% of the EDP debt (a decrease of 0.1 percentage points compared with the end of 2022).

The share of debt denominated in EUR amounted to 22.3% and denominated in USD amounted to 1.3%.

The general government debt, unlike the public debt according to domestic definition, takes into account cross currency interest rate swaps.

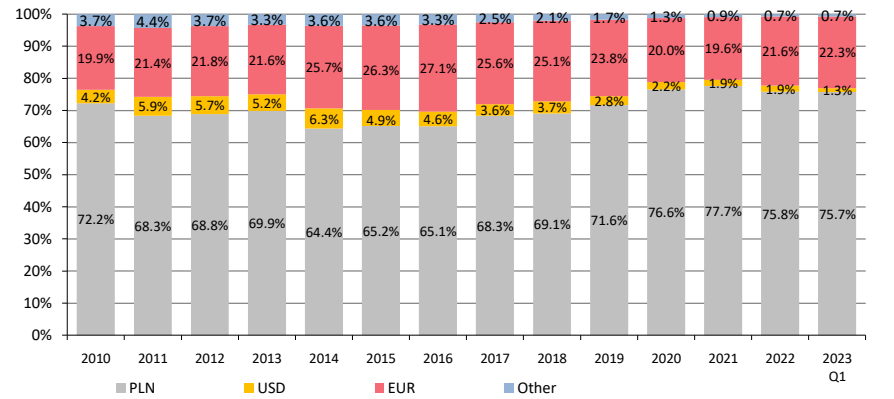


Chart 10. General government debt by holder

In the first quarter of 2023 the general government debt towards:

- domestic banking sector rose by PLN 4.5 bn (+0.7%);
- domestic non-banking sector rose by PLN 12.0 bn (+3.9%);
- non-residents rose by PLN 3.1 bn (+0.6%).

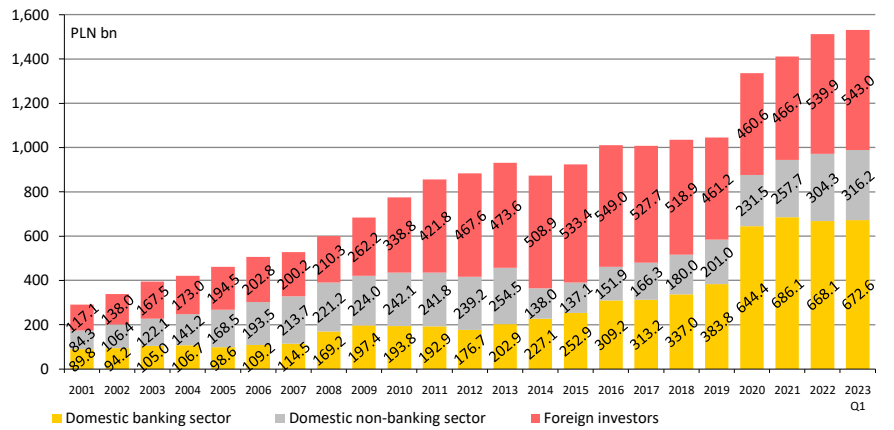


Chart 11. Structure of the general government debt by holder

The share of the general government debt towards foreign investors fell by 0.3 percentage points in the first quarter and amounted 35.4%. The decrease in the share of non-residents in the general government debt first quarter, similar to the public debt, was a combination of a decrease in foreign investors' involvement in domestic TS and an increase in debt of funds managed by BGK held by non-residents.

The share of the general government towards domestic banking sector amounted to 43.9%, down by 0.3 in the first quarter.

The share of the general government towards domestic non-banking sector rose by 0.5 percentage points in the first quarter and reached 20.6%.

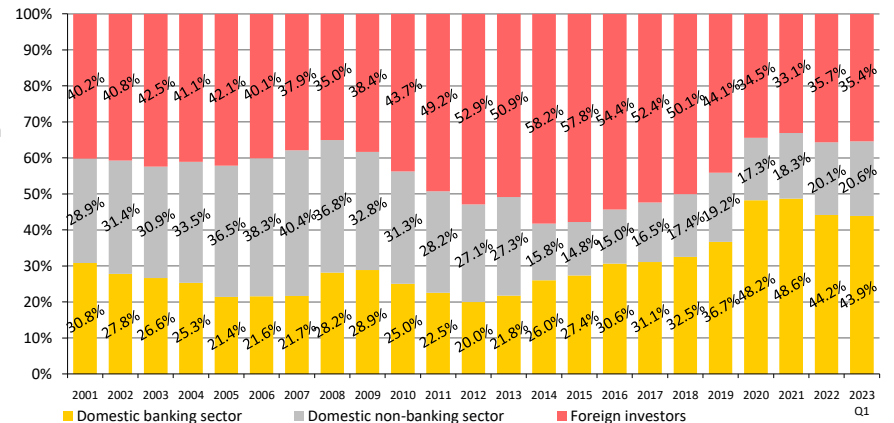


Chart 12. Consolidated public debt by subsector

At the end of the first quarter of 2023 the public debt consisted of:

- central government debt - PLN 1,117.9 bn;
- local government debt - PLN 91.9 bn;
- social security funds debt - PLN 0.02 bn.

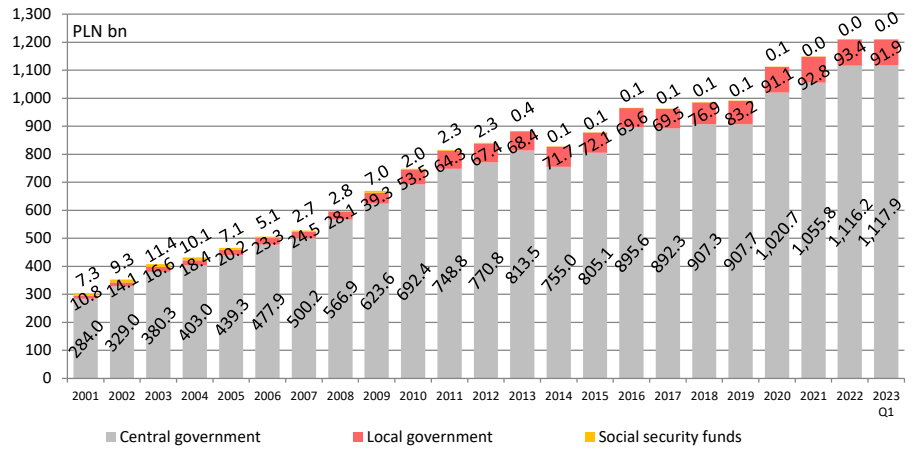


Chart 13. Changes in the consolidated public debt by subsector

The change of the public debt in the first quarter of 2023 was mainly a result of the central government debt increase, in particular of the State Treasury debt. Central government debt and consolidated ST debt rose by PLN 1.7 bn (+0.1%) and by PLN 1.9 bn (+0.2%), respectively. Local government debt fell by PLN 1.4 bn (-1.6%), including a decrease in local government units debt of PLN 1.6 bn (-1.8%). Social security funds debt fell by PLN 8.2 m (-26.6%).

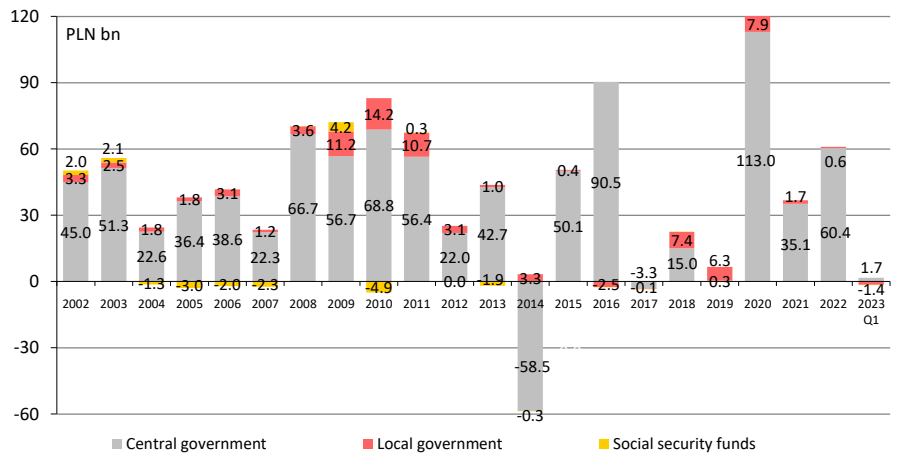


Chart 14. General government debt by subsectors

At the end of the first quarter 2023 the general government debt consisted of:

- central government debt - PLN 1,432.9 bn;
- local government debt - PLN 98.9 bn;
- social security subsector had no debt.

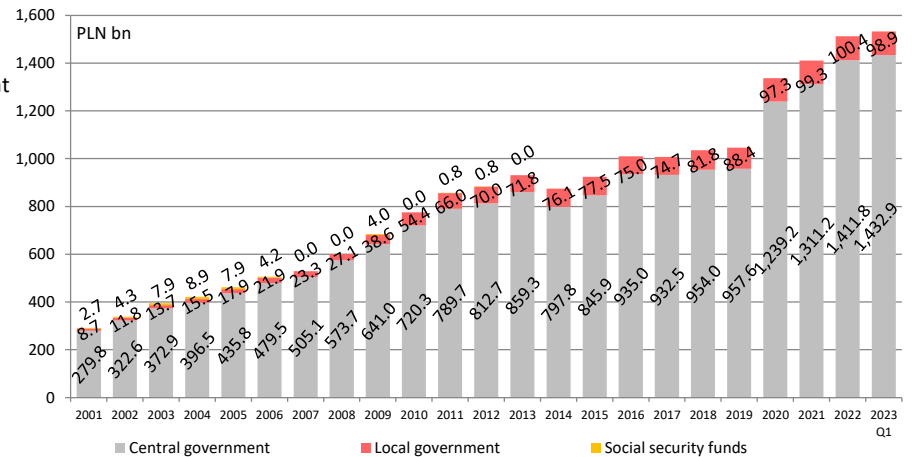


Chart 15. Changes in the general government debt by subsector

The change of the general government debt in the first quarter of 2023 was mainly a result of an increase in the central government debt, in particular in the debt of ST and funds managed by BGK. The central government debt and the debt of funds managed by BGK rose by PLN 21.0 bn (+1.5%) and by PLN 9.9 bn (+4.3%), respectively. Local government debt fell by PLN 1.5 bn (-1.5%) in the first quarter.

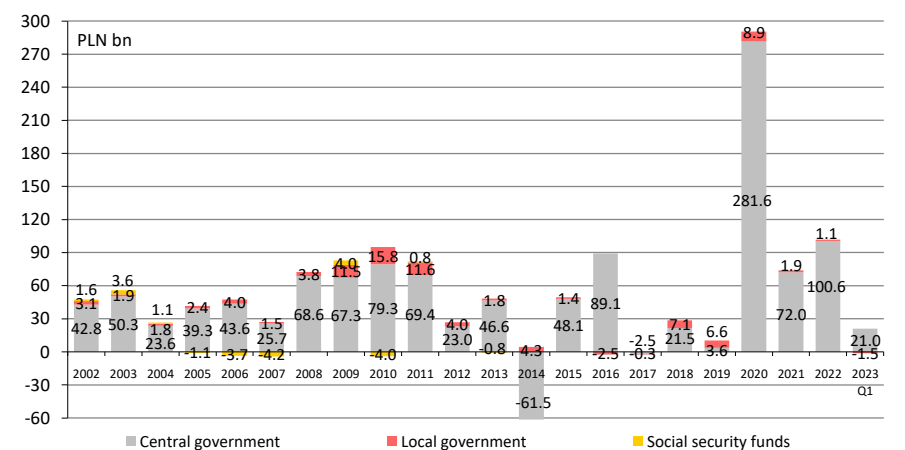


Chart 16. Structure of the public debt by instrument

At the end of the first quarter 2023 marketable instruments comprised 82.2% of the public debt, including instruments issued on the domestic market - 67.8%. The share of marketable instruments in the public debt rose by 1.0 percentage points compared with the end of 2022.

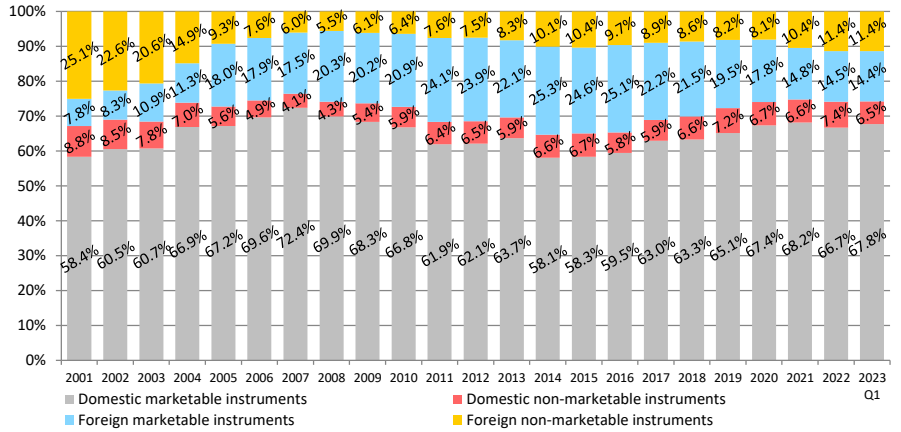


Chart 17. Unconsolidated debt of the public finance sector units other than ST

At the end of the first quarter 2023, the unconsolidated debt of units other than ST amounted to 7.4% of the public debt, down from 7.5% compared with the end of 2022. Among those entities, the debt of local government units and their unions (6.7%, as compared to 6.8% at the end of 2022) and of local health care units (share of 0.5%) constituted the largest part.

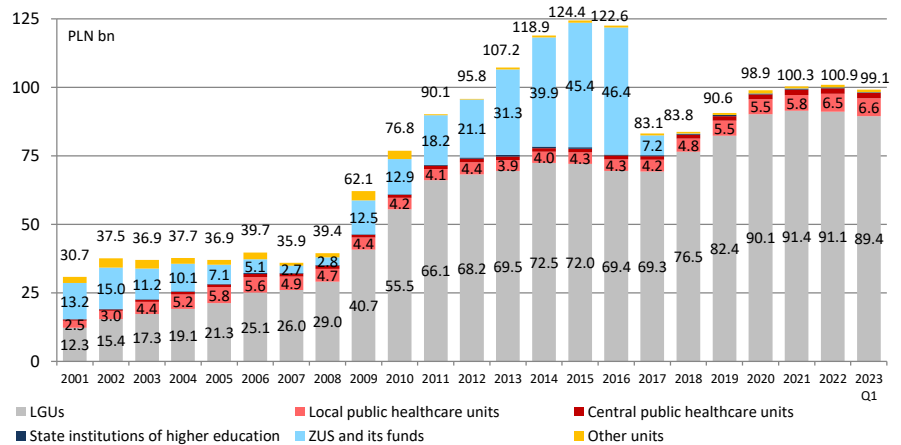


Chart 18. Consolidated debt of public finance sector units other than ST

At the end of the first quarter 2023 the difference between consolidated and unconsolidated debt of public finance sector units other than ST amounted to PLN 4.8 bn. This is due to the fact that 4.8% of their debt comprised liabilities towards other public finance sector units.

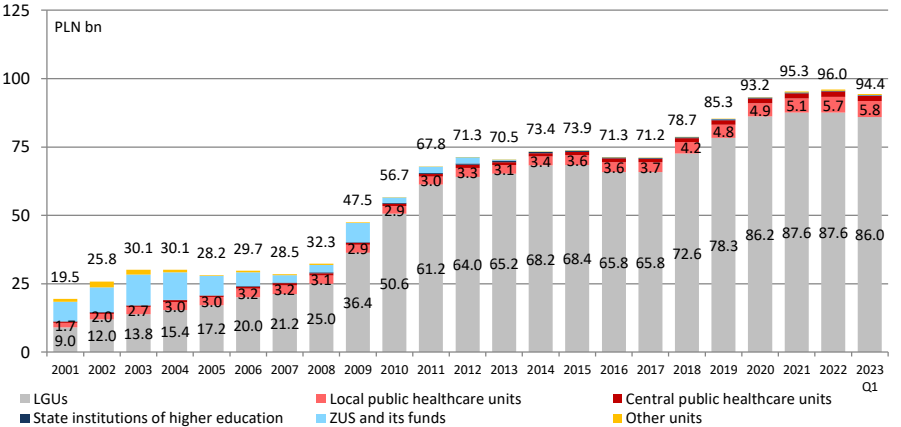


Chart 19. Structure of the local government units' debt

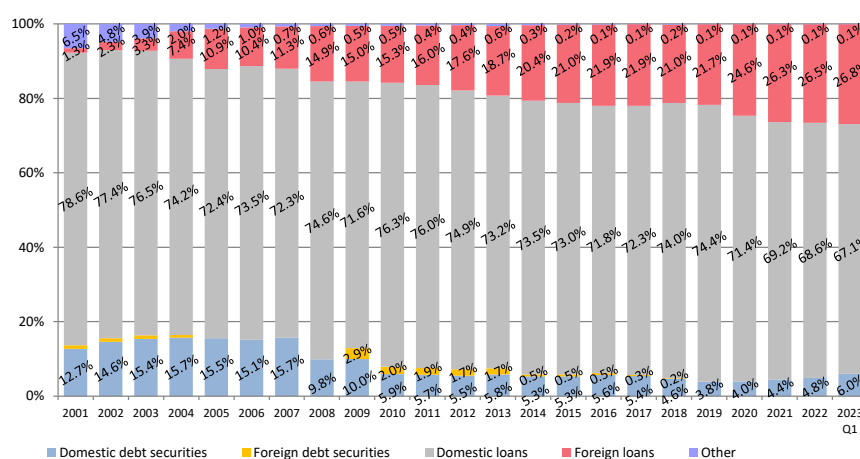
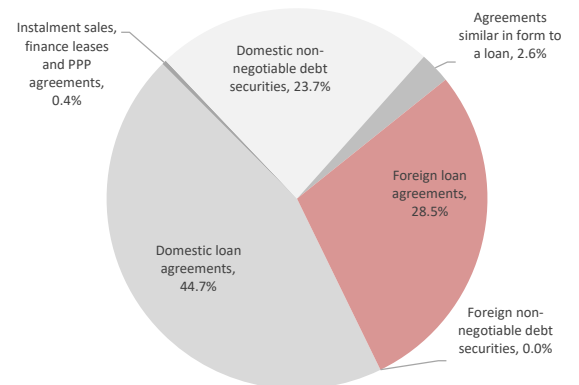
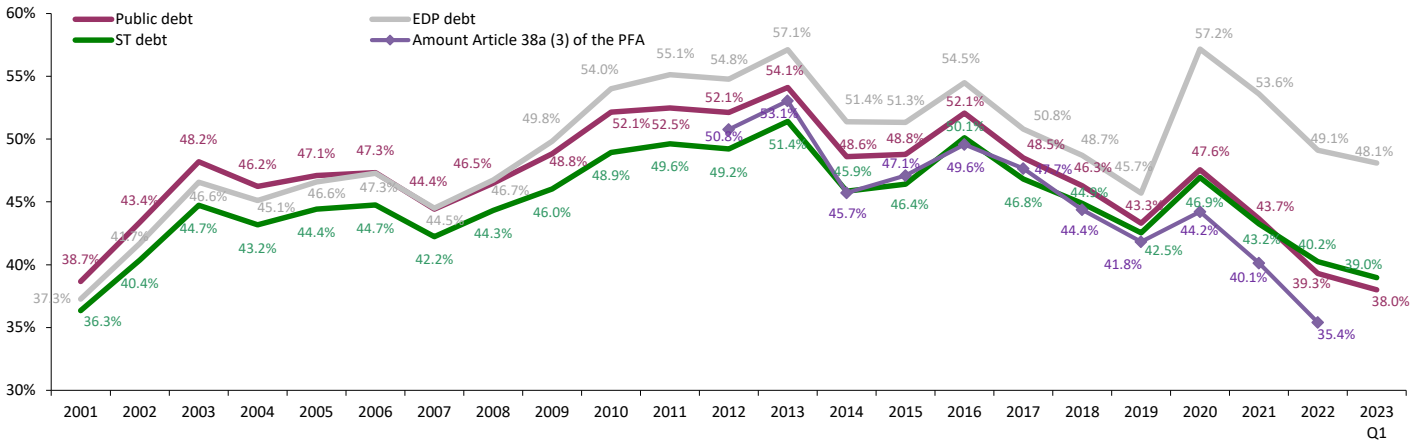


Chart 20. Structure of the LGUs' debt include in the loans category* (2023 Q1)



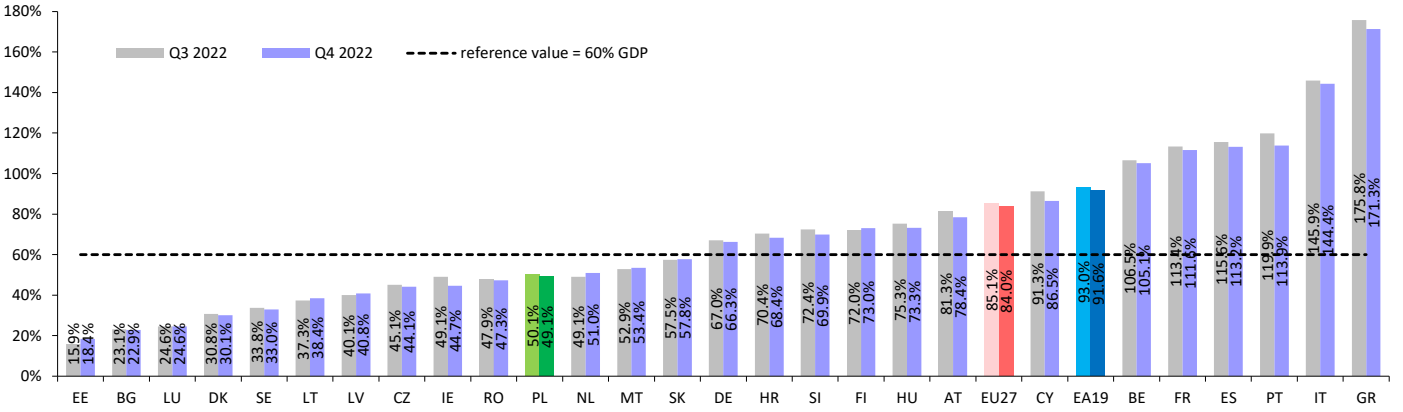
*liabilities included in the category of loans are defined in the Ordinance of the Minister of Finance on the detailed classification of debt titles included in the public debt (Journal of Laws 2011 No. 298, item 1767)

Chart 21. Public debt, EDP debt and State Treasury debt to GDP ratios (eop)



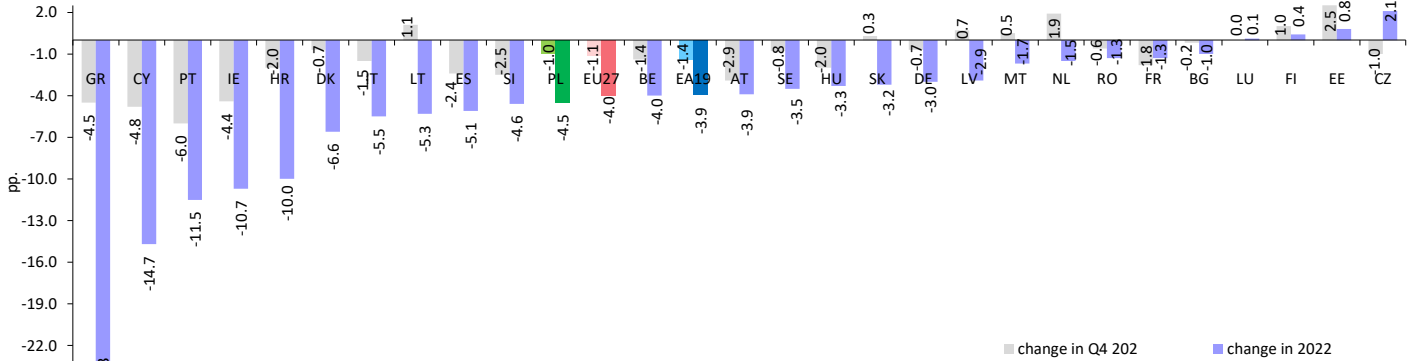
Source: Ministry of Finance

Chart 22. EDP debt to GDP ratio by European Union Member State



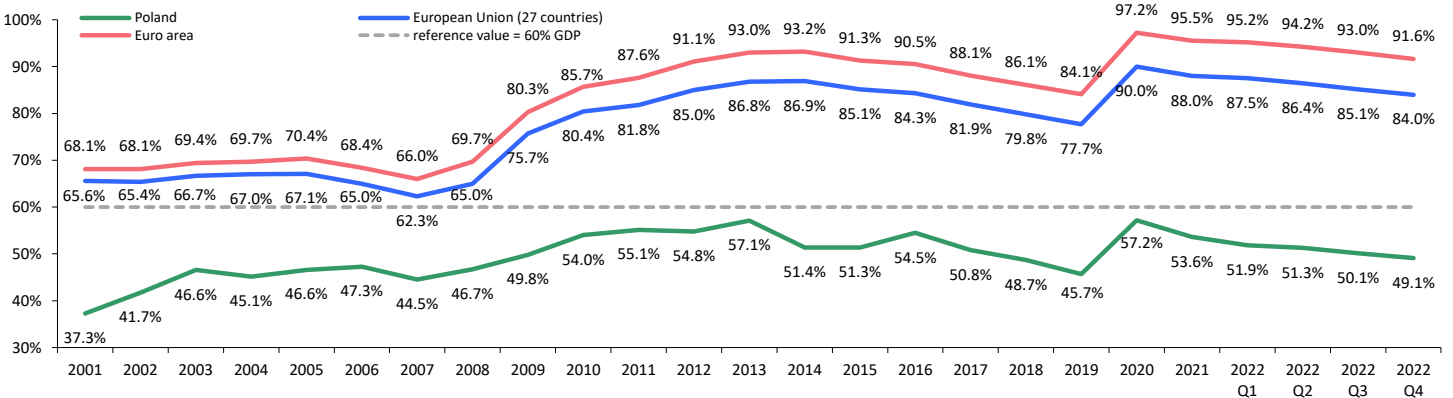
Source: Eurostat: Quarterly government debt, online data code: GOV_10Q_GGDEBT
Ministry of Finance

Chart 23. Changes in EDP debt to GDP ratio by European Union Member State



Source: Eurostat: Quarterly government debt, online data code: GOV_10Q_GGDEBT
Ministry of Finance

Chart 24. EDP Debt to GDP ratio in Poland, European Union and euro area (eop)



Source: Eurostat: Government deficit/surplus, debt and associated data, online data code: GOV_10DD_EDPT1
Eurostat: Quarterly government debt, online data code: GOV_10Q_GGDEBT
Ministry of Finance

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

ITEM	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 Q1
Public debt	826,774.7	877,282.4	965,199.0	961,841.5	984,313.5	990,948.4	1,111,806.3	1,148,579.0	1,209,605.4	1,209,798.0
<i>1) Adjustments concerning the scope of the sector</i>	<i>42,341.4</i>	<i>47,842.9</i>	<i>46,943.2</i>	<i>46,975.7</i>	<i>52,902.6</i>	<i>56,615.9</i>	<i>225,024.2</i>	<i>262,891.8</i>	<i>304,528.3</i>	<i>323,754.7</i>
Debt of National Road Fund (consolidated within general government)	31,626.3	33,312.4	38,467.0	41,087.8	47,952.3	47,133.4	53,222.8	54,359.5	62,729.8	62,531.8
Debt of COVID-19 Response Fund (consolidated within general government)	-	-	-	-	-	-	99,448.9	138,827.0	148,183.2	154,377.6
Debt of Aid Fund	-	-	-	-	-	-	-	-	6,096.9	6,078.2
Debt of Armed Forces Support Fund	-	-	-	-	-	-	-	-	9,913.0	13,785.6
Financial Shield of Polish Development Fund	-	-	-	-	-	-	65,400.0	73,900.0	73,900.0	73,900.0
T-Securities and deposits on MF account of funds managed by BGK	-1,210.9	-1,410.9	-1,384.1	-1,023.1	-1,588.8	-2,257.8	-1,994.2	-3,707.6	-16,364.6	-6,777.9
Acquisition of infrastructure assets (motorways)	11,261.6	11,023.2	10,699.0	10,341.9	9,961.8	9,538.5	8,995.6	8,435.6	7,847.8	7,753.7
Debt of public corporations included in general government sector	14,960.5	18,958.0	17,454.8	15,611.9	16,697.9	18,294.1	24,089.2	25,819.4	28,664.7	28,261.4
Assets of public corporations included in general government sector	0.0	0.0	-38.4	-112.3	-272.3	-276.8	-5,165.3	-12,580.1	-11,429.5	-11,864.6
BGF (until the end of 2021) and funds for protection of the guaranteed assets	-14,296.0	-14,039.8	-18,255.0	-18,930.5	-19,848.4	-15,815.6	-18,972.9	-22,161.9	-5,013.0	-4,291.0
<i>2) Differences concerning debt instruments</i>	<i>4,792.6</i>	<i>-1,708.8</i>	<i>-2,120.3</i>	<i>-1,617.7</i>	<i>-1,417.7</i>	<i>-1,542.0</i>	<i>-272.9</i>	<i>-971.2</i>	<i>-1,899.3</i>	<i>-1,772.1</i>
matured payables	-1,947.0	-1,795.0	-1,733.0	-2,106.1	-1,733.1	-1,930.9	-1,688.7	-1,632.4	-2,076.7	-2,172.3
debt assumption - activation of a guarantee	0.2	0.0	0.1	2.3	2.1	0.0	4.2	12.2	0.3	5.5
restructured/refinanced trade credits and sell-lease-back operations	7,040.7	569.4	693.2	725.5	763.5	847.7	816.3	722.6	720.0	711.9
derivatives	-301.2	-483.2	-1,080.7	-239.5	-450.2	-458.9	595.3	-73.6	-542.8	-317.3
General government debt	873,908.8	923,416.5	1,010,021.9	1,007,199.6	1,035,798.3	1,046,022.3	1,336,557.6	1,410,499.5	1,512,234.4	1,531,780.5

Table 4. Public debt - before consolidation (PLN m, at face value, eop)

ITEM	2021 Q4	structure 2021 Q4	2022 Q4	structure 2022 Q4	2023 Q1	structure 2023 Q1	change 2023 Q1 - 2022 Q4		change 2022 Q4 - 2021 Q4	
							m PLN	%	m PLN	%
Public debt	1,238,381.5	100.0%	1,339,380.7	100.0%	1,339,984.5	100.0%	603.7	0.0%	100,999.2	8.2%
1. Central government sector debt	1,140,720.9	92.1%	1,241,344.9	92.7%	1,243,505.5	92.8%	2,160.6	0.2%	100,624.1	8.8%
1.1. State Treasury	1,138,034.2	91.9%	1,238,470.5	92.5%	1,240,853.6	92.6%	2,383.1	0.2%	100,436.3	8.8%
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	367.4	0.0%	319.8	0.0%	287.4	0.0%	-32.5	-10.1%	-47.6	-12.9%
1.4. Independent public healthcare units	1,979.6	0.2%	2,052.1	0.2%	1,909.6	0.1%	-142.5	-6.9%	72.5	3.7%
1.5. State institutions of culture	1.6	0.0%	1.2	0.0%	5.4	0.0%	4.2	341.9%	-0.4	-24.5%
1.6. Polish Academy of Science and units established by it	20.4	0.0%	31.6	0.0%	45.1	0.0%	13.5	42.8%	11.2	55.1%
1.7. Other central government legal entities	317.7	0.0%	469.7	0.0%	404.4	0.0%	-65.3	-13.9%	152.0	47.8%
2. Local government sector debt	97,613.9	7.9%	98,005.0	7.3%	96,456.4	7.2%	-1,548.6	-1.6%	391.1	0.4%
2.1. Local government units	91,407.0	7.4%	91,131.1	6.8%	89,432.1	6.7%	-1,699.0	-1.9%	-275.9	-0.3%
2.2. Independent public health units	5,782.9	0.5%	6,463.3	0.5%	6,611.1	0.5%	147.8	2.3%	680.4	11.8%
2.3. Local institutions of culture	101.2	0.0%	114.7	0.0%	103.7	0.0%	-11.0	-9.6%	13.5	13.3%
2.4. Other local government legal entities	322.9	0.0%	296.0	0.0%	309.5	0.0%	13.5	4.6%	-26.9	-8.3%
3. Social Security Sector debt	46.7	0.0%	30.8	0.0%	22.6	0.0%	-8.2	-26.6%	-16.0	-34.1%
3.1. Social Insurance Institution	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-
3.2. Funds managed by Social Insurance Institution	46.7	0.0%	30.8	0.0%	22.6	0.0%	-8.2	-26.6%	-16.0	-34.2%
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)

ITEM	2021 Q4	structure 2021 Q4	2022 Q4	structure 2022 Q4	2023 Q1	structure 2023 Q1	change 2023 Q1 - 2022 Q4		change 2022 Q4 - 2021 Q4	
							m PLN	%	m PLN	%
Public debt	1,148,579.0	100.0%	1,209,605.4	100.0%	1,209,798.0	100.0%	192.7	0.0%	61,026.4	5.3%
1. Central government sector debt	1,055,779.5	91.9%	1,116,214.2	92.3%	1,117,864.6	92.4%	1,650.4	0.1%	60,434.8	5.7%
1.1. State Treasury	1,053,323.7	91.7%	1,113,561.5	92.1%	1,115,423.4	92.2%	1,861.9	0.2%	60,237.8	5.7%
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	346.5	0.0%	297.8	0.0%	269.1	0.0%	-28.8	-9.7%	-48.6	-14.0%
1.4. Independent public health units	1,924.7	0.2%	1,993.3	0.2%	1,849.3	0.2%	-144.1	-7.2%	68.6	3.6%
1.5. State institutions of culture	1.6	0.0%	0.7	0.0%	4.0	0.0%	3.4	513.0%	-1.0	-59.4%
1.6. Polish Academy of Science and units established by it	6.0	0.0%	18.0	0.0%	32.0	0.0%	13.9	77.2%	12.0	198.9%
1.7. Other central government legal entities	176.9	0.0%	342.9	0.0%	286.9	0.0%	-56.0	-16.3%	166.0	93.8%
2. Local government sector debt	92,752.8	8.1%	93,360.4	7.7%	91,910.8	7.6%	-1,449.5	-1.6%	607.6	0.7%
2.1. Local government units	87,605.2	7.6%	87,561.1	7.2%	85,992.9	7.1%	-1,568.3	-1.8%	-44.0	-0.1%
2.2. Independent public health units	5,082.9	0.4%	5,716.3	0.5%	5,842.4	0.5%	126.2	2.2%	633.4	12.5%
2.3. Local institutions of culture	63.0	0.0%	81.3	0.0%	73.8	0.0%	-7.5	-9.2%	18.3	29.0%
2.4. Other local government legal entities	1.7	0.0%	1.7	0.0%	1.7	0.0%	0.0	2.1%	0.0	-1.0%
3. Social Security Sector debt	46.7	0.0%	30.8	0.0%	22.6	0.0%	-8.2	-26.6%	-16.0	-34.1%
3.1. Social Insurance Institution	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	-
3.2. Funds managed by Social Insurance Institution	46.7	0.0%	30.8	0.0%	22.6	0.0%	-8.2	-26.6%	-16.0	-34.2%
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	-