

GHG Emissions in the bank portfolio (PCAF) 2025

Industry-by-industry calculation of carbon-related credit exposure.

Method

Source: Partnership for Carbon Accounting Financials (PCAF)

The Bank uses the Global GHG Accounting and Reporting Standard for the Financial Industry to estimate greenhouse gas emissions in its loan portfolio.

Date of data: 31.12.2025

Overview

The Bank is not exposed in carbon-intensive industries such as oil and aviation, therefore has a relatively low carbon-intensive loan portfolio. In line with the Global Alliance for Banking on Values Climate Change Commitment (3c) initiative, the Bank aims to publish the emissions in its loan portfolios and help achieve the SDGs and meet the goals set in the Paris Agreement. This is the fifth year the Bank is reporting on greenhouse gas emissions in particular of its business loans portfolio.

Member of Global Alliance for Banking on Values (GABV), Cooperative Bank of Karditsa has committed to disclose its climate impact resulting from its portfolio of loans and investments according to the Climate Change Commitment (3C Initiative).

This report has been prepared in alignment with PCAF methodology for the assessment of financed GHG emissions. The analysis contains Business Loans, Mortgage Loans, Motor Vehicle Loans, as well as Stocks and Bonds.

The inclusion of these categories aims to ensure a more comprehensive and representative assessment of the portfolio's climate impact, enhancing the overall robustness and comparability of the report.

Assumptions

According to the PCAF methodology classification, a scoring of data quality is presented with high quality score 1 and low-quality score 5. Score is linked to monetary emission factors and sectoral and regional averages.

The results of the report are comparable only with those of the years 2022,2023,2024 and not from previous reporting, due to methodological changes.

Business Loans portfolio

Exiobase Sect	Outstanding Amount (million €)	% Total Portfolio Outstanding	Emission Intensity Scope 1 (tCO2e/M €)	Financed Emissions Scope 1 (tCO2e)	Emission Intensity Scope 2 (tCO2e/M €)	Financed Emissions Scope 2 (tCO2e)	Emission Intensity Scope 3 (tCO2e/M €)	Financed Emissions Scope 3 (tCO2e)	Total Financed Emissions (tCO2e)	% Total Financed Emissions	Total Emission Intensity (tCO2e/M €)	Data Quality Score
Agriculture, hunting, forestry & fishing	39,3	26,4%	1.127,0	44.328,6	86,3	3.395,7	455,4	17.911,2	65.635,5	60,6%	1.668,8	5,0
Mining & quarrying	0,05	0,03%	512,7	23,6	62,1	2,9	330,0	15,2	41,7	0,01%	904,8	5,0
Food production, beverages & tobacco	7,2	4,8%	50,5	361,9	34,4	246,1	616,0	4.410,5	5.018,4	5,3%	700,9	5,0
Textiles, leather & wearing apparel	0,5	0,3%	13,1	6,2	24,2	11,4	167,3	79,0	96,6	0,1%	204,6	5,0
Wood, paper & publishing	1,7	1,1%	42,4	72,2	38,4	65,3	198,5	337,4	474,9	0,6%	279,3	5,0
Petroleum, chemicals & non-metallic mineral products	1,0	0,7%	173,8	168,6	35,2	34,1	278,7	270,4	473,1	0,7%	487,7	5,0
Metal & metal products	0,8	0,5%	108,9	87,5	25,8	20,7	354,4	284,6	392,8	0,5%	489,1	5,0
Electrical & machinery	0,9	0,6%	20,4	19,2	11,1	10,4	182,1	171,1	200,8	0,1%	213,6	5,0
Transport equipment	0,02	0,0%	15,0	0,3	6,9	0,1	202,5	4,3	4,7	0,01%	224,4	5,0
Manufacturing & recycling	0,4	0,2%	37,2	13,4	13,5	4,9	130,1	46,8	65,0	0,05%	180,9	5,0
Electricity, gas & water	32,9	22,1%	564,6	18.554,4	21,0	688,8	175,3	5.760,6	25.003,8	24,2%	760,8	5,0
Construction	7,8	5,3%	25,1	196,7	3,5	27,6	195,1	1.529,7	1.754,0	1,1%	223,7	5,0
Sale, maintenance & repair of vehicles; fuel; trade; hotels & restaurants	43,0	28,8%	29,0	1.244,4	13,8	591,1	131,8	5.661,0	7.496,5	6,0%	174,5	5,0
Transport	3,8	2,6%	57,5	219,5	4,1	15,8	89,6	342,2	577,4	0,5%	151,2	5,0
Post & telecommunications	0,1	0,0%	4,4	0,3	9,9	0,6	39,4	2,5	3,4	0,004%	53,7	5,0
Financial intermediation & business activity	4,8	3,2%	0,9	4,1	0,4	1,8	4,8	23,1	29,0	0,03%	6,1	5,0
Public administration; education; health; recreation; other services	4,9	3,3%	28,0	136,9	4,7	22,9	51,3	250,5	410,3	0,3%	84,0	5,0
Total	149,0	100,0%	439,2	65.437,6	34,5	5.140,4	249,0	37.099,9	107.677,9	100,0%	722,7	5,0

Results on Business loans portfolio

The analysis is based on regional countries emission factors at an industry group level. An emission factor based on loan volume and assets volume is used. The method differentiates between direct emissions (Scopes 1, 2 and 3). Scope 3 analysis contains only upstream emissions

The emissions produced by corporate/SME loans (46% of Cooperative Bank of Karditsa Total assets in 2025 and 88% of Total loan portfolio) were estimated assigning to each granted organization the average sectoral emissions and calculating the emission proportionally to the outstanding loans. The considered emissions were relative to Scope 1, 2 and 3, as required by PCAF methodology. The emission factors per euro of assets were provided by PCAF.

The two sectors that most contributed to total financed emissions were “Agriculture, hunting, forestry & fishing” for 60% and “Electricity, gas & water” for 24%.

The business loans emissions, have a score 5 level of data quality.

The results of the report are comparable only with those of the years 2022,2023,2024 and not from previous reporting, due to methodological changes.

Mortgages Loans portfolio

Exiobase	Outstanding Amount (million €)	% Total Portfolio Outstanding	Emission Intensity Scope 1 (tCO2e/M €)	Financed Emissions Scope 1 (tCO2e)	Emission Intensity Scope 2 (tCO2e/M €)	Financed Emissions Scope 2 (tCO2e)	Emission Intensity Scope 3 (tCO2e/M €)	Financed Emissions Scope 3 (tCO2e)	Total Financed Emissions (tCO2e)	% Total Financed Emissions	Total Emission Intensity (tCO2e/M €)	Data Quality Score
Multi House	9,8	64,0%	10,2	99,9	15,1	148,3			248,1	55,7%	25,3	4,0
Single House	5,5	36,0%	14,5	79,8	21,3	117,4			197,3	44,3%	35,8	4,0
Total	15,3	100,0%	11,7	179,7	17,3	265,7			445,4	100,0%	29,1	4,0

Results on Mortgages loans portfolio

The emissions produced by Mortgages loans (5% of Cooperative Bank of Karditsa Total assets in 2025 and 9% of Total loan portfolio) were estimated assigning to each granted house the average sectoral emissions and calculating the emission proportionally to the outstanding loans. The considered emissions were relative to Scope 1 and 2, as required by PCAF methodology. The emission factors per euro of assets were provided by PCAF.

Mortgage loans related to properties that were not yet operational as of (31/12/2025) were excluded from the scope, as there properties are not currently generating any carbon footprint.

The report excludes mortgages loans that are intended for home renovation purposes.

The mortgages loans emissions, have a score 4 level of data quality.

Stocks and Bonds portfolio

Exiobase Sector	Outstanding Amount (million €)	% Total Portfolio Outstanding	Emission Intensity Scope 1 (tCO2e/M €)	Financed Emissions Scope 1 (tCO2e)	Emission Intensity Scope 2 (tCO2e/M €)	Financed Emissions Scope 2 (tCO2e)	Emission Intensity Scope 3 (tCO2e/M €)	Financed Emissions Scope 3 (tCO2e)	Total Financed Emissions (tCO2e)	% Total Financed Emissions	Total Emission Intensity (tCO2e/M €)	Data Quality Score
Petroleum, chemicals & non-metallic mineral products	2,1	15,8%	173,8	359,5	35,2	72,7	278,7	576,5	1.008,8	16,5%	487,7	5,0
Metal & metal products	0,5	3,7%	108,9	52,9	25,8	12,5	354,4	172,0	237,4	3,9%	489,1	5,0
Electricity, gas & water	5,3	40,4%	564,6	2.991,7	21,0	111,1	175,3	928,8	4.031,6	66,1%	760,8	5,0
Construction	3,5	27,0%	25,1	88,9	3,5	12,5	195,1	691,6	793,0	13,0%	223,7	5,0
Sale, maintenance & repair of vehicles; fuel; trade; hotels & restaurants	0,1	0,8%	29,0	3,1	13,8	1,5	131,8	14,3	18,9	0,31%	174,5	5,0
Financial intermediation & business activity	1,6	12,3%	0,9	1,4	0,4	0,6	4,8	7,8	9,8	0,2%	6,1	5,0
Total	13,1	100,0%	266,6	3.497,5	16,1	210,9	182,3	2.391,0	6.099,5	100,0%	465,0	5,0

Results on Stocks and Bonds portfolio

The emissions produced by Stocks and Bonds (4% of Cooperative Bank of Karditsa Total assets in 2025 and 8% of Total loan portfolio) were estimated assigning to each organization we have invested in, the average sectoral emissions. The considered emissions were relative to Scope 1, 2 and 3, as required by PCAF methodology. The emission factors per euro of assets were provided by PCAF.

The stocks and bonds emissions, have a score 5 level of data quality.

Motor Vehicle Loans

Exiobase Se	Outstanding Amount (million €)	% Total Portfolio Outstanding	Emission Intensity Scope 1 (tCO ₂ e/M €)	Financed Emissions Scope 1 (tCO ₂ e)	Emission Intensity Scope 2 (tCO ₂ e/M €)	Financed Emissions Scope 2 (tCO ₂ e)	Total Financed Emissions (tCO ₂ e)	% Total Financed Emissions	Total Emission Intensity (tCO ₂ e/M €)	Data Quality Score
Passenger car	1,01	99,0%	190,6	192,5	1,7	1,7	194,2	99,8%	192,2	4,0
Motorcycle	0,01	1,0%	40,0	0,4	0,0	0,0	0,4	0,2%	40,0	4,0
Total	1,02	100,0%	189,1	192,9	1,6	1,7	194,6	100,0%	190,8	4,0

Results on Motor Vehicle loans portfolio

The emissions produced by Motor Vehicle loans (0,31% of Cooperative Bank of Karditsa Total assets in 2025 and 0,6% of Total loan portfolio) were estimated assigning to each granted vehicle the average sectoral emissions and calculating the emission proportionally to the outstanding loans. The considered emissions were relative to Scope 1 and 2, as required by PCAF methodology. The emission factors per euro of assets were provided by PCAF. The motor vehicle loans emissions, have a score 4 level of data quality.

Summary Table

The table below provides a consolidated overview of the estimated financed emissions across the main asset classes in our portfolio as of 31/12/2025. The results are based on the PCAF methodology, with data quality scores reported for each category. Business loans represent by far the largest contributor to total financed emissions, reflecting both the higher outstanding exposure and the relatively higher emission intensity of corporate activities. Mortgages and motor vehicle loans show comparatively lower financed emissions due to smaller portfolio sizes and lower intensities, while the emissions linked to stock and bonds are driven by the underlying activities of the invested companies.

Cooperative Bank of Karditsa Financed Emissions Activity Report 2025						
Activity	Outstanding Amount in Portfolio (€M)	Emission Intensity Scope 1 (tCO ₂ e/M€)	Emission Intensity Scope 2 (tCO ₂ e/M€)	Emission Intensity Scope 3 (tCO ₂ e/M€)	Total Financed Emissions (tCO ₂ e)	Data Quality Score
Business Loans	149,0	439,2	34,5	249,0	107677,9	5
Mortgages	15,3	11,7	17,3	0	445,4	4
Stocks and Bonds	13,1	266,6	16,1	182,3	6099,5	5
Motor Vehicle Loans	1,02	189,1	1,6	0	194,57	4

This aggregated view allows for a better understanding of the relative contribution of each asset class and highlights the areas where further engagement and data quality improvements may be prioritized.