

# **Crédit Agricole Group Basel III Pillar 3 Disclosures**

**Review at 30 June 2023**

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## Key phased-in metrics at Crédit Agricole Group level (EU KM1)

The key metrics table below provides information required by Articles 447 (a to g) and 438-(b) of CRR2. It presents an overview of the institution's solvency, leverage and liquidity regulatory prudential ratios as well as their related input components and minimum requirements.

Since 1<sup>st</sup> January 2023, Crédit Agricole Group's insurance entities apply IFRS 17.

Note that the amounts composing the solvency and leverage regulatory prudential ratios shown below take into account the transitional provisions related to the application of IFRS 9 and the transitional provisions concerning hybrid debt instruments. They also include retained earnings for the period.

Lastly, from 1<sup>st</sup> January 2023, global systemically important institutions must fulfill with a leverage ratio buffer requirement equivalent to half of the entity's systemic buffer, which is 0.50% for Crédit Agricole Group, bringing the requirement to 3.50% for Credit Agricole Group (see part "2) Leverage ratio").

EU KM1 - Phased-in Key metrics in euro millions		30/06/2023	31/03/2023	31/12/2022	30/09/2022	30/06/2022
<b>Available own funds (amounts)</b>						
1	Common Equity Tier 1 (CET1) capital	104 736	102 940	100 861	101 445	101 234
2	Tier 1 capital	112 065	110 306	107 064	108 114	107 557
3	Total capital	128 096	126 805	124 016	125 273	124 864
<b>Risk-weighted exposure amounts</b>						
4	Total risk-weighted exposure amount	595 839	584 280	574 595	588 643	579 519
<b>Capital ratios (as a percentage of risk-weighted exposure amount)</b>						
5	Common Equity Tier 1 ratio (%)	17.58%	17.62%	17.55%	17.23%	17.47%
6	Tier 1 ratio (%)	18.81%	18.88%	18.63%	18.37%	18.56%
7	Total capital ratio (%)	21.50%	21.70%	21.58%	21.28%	21.55%
<b>Additional own funds requirements to address risks other than the risk of excessive leverage (as a percentage of risk-weighted exposure amount)</b>						
EU 7a	Additional own funds requirements to address risks other than the risk of excessive leverage (%)	1.50%	1.50%	1.50%	1.50%	1.50%
EU 7b	of which: to be made up to CET1 capital (percentage points)	0.84	0.84	0.84	0.84	0.84
EU 7c	of which: to be made up to Tier 1 capital (percentage points)	1.13	1.13	1.13	1.13	1.13
EU 7d	Total SREP own funds requirements (%)	9.50%	9.50%	9.50%	9.50%	9.50%
<b>Combined buffer and overall capital requirement (as a percentage of risk-weighted exposure amount)</b>						
8	Capital conservation buffer (%)	2.50%	2.50%	2.50%	2.50%	2.50%
EU 8a	Conservation buffer due to macro-prudential or systemic risk identified at the level of a Member State (%)	0.00%	0.00%	0.00%	0.00%	0.00%
9	Institution specific countercyclical capital buffer (%)	0.40%	0.07%	0.05%	0.03%	0.03%
EU 9a	Systemic risk buffer (%)	0.00%	0.00%	0.00%	0.00%	0.00%
10	Global Systemically Important Institution buffer (%)	1.00%	1.00%	1.00%	1.00%	1.00%
EU 10a	Other Systemically Important Institution buffer (%)					
11	Combined buffer requirement (%)	3.90%	3.57%	3.55%	3.53%	3.53%
EU 11a	Overall capital requirements (%)	13.40%	13.07%	13.05%	13.03%	13.03%
12	CET1 available after meeting the total SREP own funds requirements (%)	11.68%	11.75%	11.51%	11.24%	11.43%

EU KM1 - Phased-in Key metrics in euro millions		30/06/2023	31/03/2023	31/12/2022	30/09/2022	30/06/2022
<b>Leverage ratio</b>						
13	Total exposure measure [1]	1 990 639	2 031 225	1 985 992	2 111 884	2 044 773
14	Leverage ratio (%) [1]	5.63%	5.43%	5.39%	5.12%	5.26%
<b>Additional own funds requirements to address the risk of excessive leverage (as a percentage of total exposure amount)</b>						
EU 14a	Additional own funds requirements to address the risk of excessive leverage (%)	0.00%	0.00%	0.00%	0.00%	0.00%
EU 14b	of which: to be made up of CET 1 capital (percentage points)	0.00%	0.00%	0.00%	0.00%	0.00%
EU 14c	Total SREP leverage ratio requirements (%)	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Leverage ratio buffer and overall leverage ratio requirement (as a percentage of total exposure measure)</b>						
EU 14d	Leverage ratio buffer requirement (%)	0.50%	0.50%	0.00%	0.00%	0.00%
EU 14e	Overall leverage ratio requirement (%)	3.50%	3.50%	3.00%	3.00%	3.00%
<b>Liquidity Coverage Ratio</b>						
15	Total high-quality liquid assets (HQLA) (Weighted value - average)	377 024	390 500	403 468	412 118	414 625
EU 16a	Cash outflows - Total weighted value	320 725	319 404	317 713	316 831	311 318
EU 16b	Cash inflows - Total weighted value	80 685	78 398	75 787	71 104	66 353
16	Total net cash outflows (adjusted value)	240 040	241 006	241 925	245 727	244 966
17	Liquidity coverage ratio (%)	157.32%	162.55%	167.35%	168.56%	170.17%
<b>Net Stable Funding Ratio</b>						
18	Total available stable funding	1 201 818	1 205 571	1 198 492	1 234 674	1 235 506
19	Total required stable funding	1 038 465	1 031 918	1 015 823	1 025 836	1 021 220
20	NSFR ratio (%)	115.73%	116.83%	117.98%	120.36%	120.98%

Note: the average LCRs reported in the table above now correspond to the arithmetic mean of the last 12 month-end ratios reported over the observation period, in compliance with the requirements of the European CRR2 regulation.

<sup>1</sup> The presentation on the balance sheet of the revaluation difference of interest rate hedged portfolios was reclassified between assets and liabilities as of March 31, 2023, and December 31, 2022 generating an adjustment to the total exposure measure leverage of respectively -€16.6bn and -€18.3bn, which resulted in an impact of +4bp and +5bp on the leverage ratios of these periods.

## Impact of the application of the IFRS 9 transitional provisions

IFRS 9 transitional provisions were applied for the first time as of 30 June 2020.

Comparison of institutions' own funds and capital and leverage ratios with and without the application of transitional arrangements for IFRS 9 or analogous ECLs						
in millions of euros		30/06/2023	31/03/2023	31/12/2022	30/09/2022	30/06/2022
<b>Available capital (amounts)</b>						
1	Common Equity Tier 1 (CET1) capital	104 736	102 940	100 861	101 445	101 234
2	Common Equity Tier 1 (CET1) capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	103 665	101 920	99 060	99 564	99 498
3	Tier 1 capital	112 065	110 306	107 064	108 114	107 557
4	Tier 1 capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	110 994	109 286	105 263	106 233	105 820
5	Total capital	128 096	126 805	124 016	125 273	124 864
6	Total capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	127 025	125 786	122 214	123 392	123 127
<b>Risk-weighted assets (amounts)</b>						
7	Total risk-weighted assets	595 839	584 280	574 595	588 643	579 519
8	Total risk-weighted assets as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	595 801	584 274	574 431	588 395	579 303
<b>Capital ratios</b>						
9	Common Equity Tier 1 (as a percentage of risk exposure amount)	17.58%	17.62%	17.55%	17.23%	17.47%
10	Common Equity Tier 1 (as a percentage of risk exposure amount) as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	17.40%	17.44%	17.24%	16.92%	17.18%
11	Tier 1 (as a percentage of risk exposure amount)	18.81%	18.88%	18.63%	18.37%	18.56%
12	Tier 1 (as a percentage of risk exposure amount) as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	18.63%	18.70%	18.32%	18.05%	18.27%
13	Total capital (as a percentage of risk exposure amount)	21.50%	21.70%	21.58%	21.28%	21.55%
14	Total capital (as a percentage of risk exposure amount) as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	21.32%	21.53%	21.28%	20.97%	21.25%
<b>Leverage ratio</b>						
15	Leverage ratio total exposure measure [1]	1 990 639	2 031 225	1 985 992	2 111 884	2 044 773
16	Leverage ratio [1]	5.63%	5.43%	5.39%	5.12%	5.26%
17	Leverage ratio as if IFRS 9 or analogous ECLs transitional arrangements had not been applied [1]	5.58%	5.38%	5.31%	5.03%	5.18%

The Crédit Agricole Group did not apply the temporary treatment described in Article 468 of regulation No. 2020/873 and was not impacted by any change related to this provision during the period. The Crédit Agricole Group's capital and capital and leverage ratios already reflect the full impact of unrealized gains and losses measured at their fair value through other comprehensive income. These provisions ended on 1 January 2023.

<sup>1</sup> The presentation on the balance sheet of the revaluation difference of interest rate hedged portfolios was reclassified between assets and liabilities as of March 31, 2023, and December 31, 2022 generating an adjustment to the total exposure measure leverage of respectively -€16.6bn and -€18.3bn.

## 1. COMPOSITION AND MANAGEMENT OF CAPITAL

Within the framework of Basel 3 Agreement, (EU) regulation No. 575/2013 of the European Parliament and of the Council of 26 June 2013 (the Capital Requirements Regulation, or "CRR") modified by CRR No. 2019/876 ("CRR2") requires relevant financial institutions (notably credit institutions and investment firms) to disclose prudential information. This information is available on the following website: <https://www.credit-agricole.com/en/finance/finance/financial-publications>

The regulatory perspective of capital adequacy is ensured through the monitoring of solvency and leverage ratios. Each of these ratios reports the amount of regulatory capital to the risk, or leverage exposures. In addition to solvency, Crédit Agricole S.A. also manages the resolution ratios (MREL & TLAC) on behalf of the Crédit Agricole Group.

### 1.1 Solvency ratios

#### Position at 30 June 2023

##### Simplified regulatory capital

Simplified regulatory capital (in millions of euros)	30/06/2023		31/12/2022	
	phased-in	fully-loaded	phased-in	fully-loaded
Share capital and reserves	32 423	32 423	30 456	30 456
Consolidated reserves	98 095	98 095	92 584	92 584
Other comprehensive income	(2 586)	(2 586)	(4 715)	(4 715)
Net income (loss) for the year	4 150	4 150	8 144	8 144
<b>EQUITY - GROUP SHARE</b>	<b>132 082</b>	<b>132 082</b>	<b>126 470</b>	<b>126 470</b>
(-) AT1 instruments accounted as equity	(7 235)	(7 235)	(5 989)	(5 989)
Eligible minority interests	3 635	3 635	3 571	3 571
(-) Expected dividend	(731)	(731)	(1 648)	(1 648)
(-) Prudential filters	(1 124)	(1 124)	(909)	(909)
<i>o/w: Prudent valuation</i>	(2 151)	(2 151)	(2 063)	(2 063)
(-) Regulatory adjustments	(19 642)	(19 642)	(19 588)	(19 588)
<i>Goodwills and intangible assets</i>	(19 131)	(19 131)	(19 136)	(19 136)
<i>Deferred tax assets that rely on future profitability excluding those arising from temporary differences</i>	(140)	(140)	(142)	(142)
<i>Shortfall in adjustments for credit risk relative to expected losses under the internal ratings-based approach</i>	(371)	(371)	(310)	(310)
Insufficient coverage for non-performing exposures	(1 113)	(1 113)	(1 050)	(1 050)
Amount exceeding thresholds	-	-	-	-
Other CET1 components	(1 136)	(2 207)	5	(1 796)
<b>COMMON EQUITY TIER 1 (CET1)</b>	<b>104 736</b>	<b>103 665</b>	<b>100 861</b>	<b>99 060</b>
Additional Tier 1 (AT1) instruments	7 619	5 895	6 467	4 711
Other AT1 components	(291)	(291)	(264)	(264)
<b>TOTAL TIER 1</b>	<b>112 065</b>	<b>109 270</b>	<b>107 064</b>	<b>103 507</b>
Tier 2 instruments	15 103	13 543	16 140	14 329
Other Tier 2 components	927	927	811	811
<b>TOTAL CAPITAL</b>	<b>128 096</b>	<b>123 740</b>	<b>124 016</b>	<b>118 647</b>
<b>TOTAL RISK-WEIGHTED EXPOSURE AMOUNT (RWA)</b>	<b>595 839</b>	<b>595 801</b>	<b>574 595</b>	<b>574 431</b>
<b>CET1 ratio</b>	<b>17.58%</b>	<b>17.40%</b>	<b>17.55%</b>	<b>17.24%</b>
<b>Tier 1 ratio</b>	<b>18.81%</b>	<b>18.34%</b>	<b>18.63%</b>	<b>18.02%</b>
<b>Total capital ratio</b>	<b>21.50%</b>	<b>20.77%</b>	<b>21.58%</b>	<b>20.65%</b>

For clarity, the full tables of the composition of capital (EU CC1 and EU CC2) are available at <https://www.credit-agricole.com/en/finance/finance/financial-publications>

## Regulatory requirements

The CRR regulation governs the requirements with regard to Pillar 1. The supervisor also sets, on a discretionary basis, the minimum requirements, within the framework of Pillar 2.

The overall capital requirement is as follows:

SREP own funds requirement	30/06/2023	31/12/2022
Pillar 1 minimum CET1 requirement	4.50%	4.50%
CET1 additional Pillar 2 requirement (P2R)	0.84%	0.84%
Combined buffer requirement	3.90%	3.55%
<b>CET1 requirement</b>	<b>9.25%</b>	<b>8.89%</b>
Pillar 1 minimum AT1 requirement	1.50%	1.50%
AT1 component of P2R	0.28%	0.28%
Pillar 1 minimum Tier 2 requirement	2.00%	2.00%
Tier 2 component of P2R	0.38%	0.38%
<b>Overall capital requirement</b>	<b>13.40%</b>	<b>13.05%</b>

### Minimum requirements with regard to Pillar 1

The capital requirements established under Pillar 1 include a minimum CET1 capital ratio of 4.5%, a minimum Tier 1 capital ratio of 6% and a minimum total capital ratio of 8%.

### Minimum requirements with regard to Pillar 2

The European Central Bank (ECB) annually notifies Crédit Agricole Group and Crédit Agricole S.A. of their minimum capital requirements following the results of the Supervisory Review and Evaluation Process (SREP).

- a Pillar 2 Requirement (P2R) of 1.5% which applies to each level of capital; failure to comply with this requirement automatically results in restrictions on distributions (additional Tier 1 capital instrument coupons, dividends, variable compensation); accordingly, this requirement is public. The P2R can be met with 75% Tier 1 capital including as a minimum 75% CET1 capital;
- a Pillar 2 Guidance (P2G), which is not public and must be fully met with Common Equity Tier 1 (CET1) capital.

### Combined capital buffer requirement

Regulations provide for the establishment of capital buffers, fully covered with CET1 capital and for which the overall capital requirement works out as follows:

Combined buffer requirement	30/06/2023	31/12/2022
Phased-in capital conservation buffer	2.50%	2.50%
Phased-in systemic buffer	1.00%	1.00%
Countercyclical buffer	0.40%	0.05%
<b>Combined buffer requirement</b>	<b>3.90%</b>	<b>3.55%</b>

The following tables meet the disclosure requirements of Article 440 (a) and (b) of CRR2.

### Institution-specific countercyclical buffer (EU CCYB2)

Amount of institution-specific countercyclical capital buffer (EU CCYB2)	30/06/2023	31/12/2022
<sup>1</sup> Total risk exposure amount	595 839	574 595
<sup>2</sup> Institution specific countercyclical capital buffer rate	0.40%	0.05%
<sup>3</sup> <b>Institution specific countercyclical capital buffer requirement</b>	<b>2 392</b>	<b>281</b>

Geographical distribution of credit exposures relevant for the calculation of the countercyclical buffer (EU CCYB1)

30/06/2023  (in millions of euros)		General credit exposures		Relevant credit exposures – Market risk		Securitisation exposures Exposure value for non-trading book	Total exposure value	Own fund requirements				Risk-weighted exposure amounts	Own fund requirements weights (%)	Countercyclic al buffer rate (%)
								Relevant credit risk exposures Credit risk	Relevant credit exposures – Market risk	Relevant credit exposures – Securitisation positions in the non-trading book	Total			
1	Breakdown by country:	Exposure value under the standardised approach	Exposure value under the IRB approach	Sum of long and short positions of trading book exposures for SA	Value of trading book exposures for internal models									
2	Australia	30	4 943	-	-	-	4 973	63	-	-	63	783	0.16%	1.00%
3	Belgium	6 191	4 402	-	-	3	10 597	222	-	0	222	2 772	0.58%	0.00%
4	Bulgaria	0	1	-	-	-	2	0	-	-	0	0	0.00%	1.50%
5	Croatia	1	0	-	-	-	2	0	-	-	0	1	0.00%	0.50%
6	Czech Republic	43	110	-	-	-	154	8	-	-	8	101	0.02%	2.50%
7	Danemark	458	1 170	-	-	68	1 696	55	-	1	56	694	0.15%	2.50%
8	Estonia	0	10	-	-	-	10	0	-	-	0	1	0.00%	1.00%
9	France	59 556	750 091	184	2 696	26 672	839 198	23 710	230	307	24 247	303 089	63.41%	0.50%
10	Germany	7 255	17 541	-	-	2 386	27 181	839	-	24	863	10 791	2.26%	0.75%
11	Hong Kong	165	5 536	-	-	178	5 878	99	-	3	102	1 275	0.27%	1.00%
12	Iceland	0	1	-	-	-	1	0	-	-	0	0	0.00%	2.00%
13	Ireland	97	5 347	-	-	58	5 503	93	-	1	93	1 167	0.24%	0.50%
14	Luxembourg	2 652	196 029	-	-	4 933	203 614	1 638	-	0	1 638	20 480	4.28%	0.50%
15	Netherlands	1 760	8 368	-	-	844	10 972	389	-	10	399	4 987	1.04%	1.00%
16	Norway	7	1 960	-	-	29	1 996	40	-	0	40	502	0.10%	2.50%
17	Romania	7	23	-	-	-	31	1	-	-	1	16	0.00%	0.50%
18	Slovakia	3	6	-	-	-	9	1	-	-	1	6	0.00%	1.00%
19	Sweden	143	2 747	-	-	22	2 912	91	-	0	91	1 141	0.24%	2.00%
20	United-kingdom	2 960	17 523	-	-	2 941	23 423	656	-	40	697	8 710	1.82%	1.00%
21	Other countries *	73 572	168 510	0	-	26 427	268 509	9 384	0	331	9 715	121 438	25.41%	0.00%
22	Total	154 900	1 184 319	184	2 696	64 560	1 406 658	37 288	230	718	38 236	477 954	100%	0.40%

\*For which no countercyclical buffer has been defined by the competent authority



## 1.2 Leverage ratio

### Regulatory framework

The leverage ratio is defined as the Tier 1 capital divided by the leverage exposure measure, i.e. balance sheet and off-balance-sheet assets after certain restatements of derivatives, transactions between Group affiliates, securities financing transactions, items deducted from the numerator, and off-balance-sheet items.

Since the publication of European CRR2 Regulation in the Official Journal of the European Union on 7 June 2019, the leverage ratio has been subject to a minimum Pillar 1 requirement applicable as from 28 June 2021:

- the minimum leverage ratio requirement is 3%;
- from 1 January 2023, a leverage ratio buffer, defined as half of the entity's systemic buffer, is added to this level for global systemically important institutions (G-SII), i.e. for Crédit Agricole Group;
- lastly, failure to comply with the leverage ratio buffer requirement will result in a distribution restriction and the calculation of a maximum distributable amount (L-MDA).

### Position at 30 June 2023

The following meets the disclosure requirements of Article 451 of CRR2.

CRR2 Regulation stipulates that certain Central Bank exposures may be excluded from the overall leverage ratio exposure if macroeconomic circumstances so justify. If this exemption is applied, the institutions must satisfy an adjusted leverage ratio requirement of over 3%.

LRCom: Leverage ratio – common disclosure (EU LR2)

LRCom: Leverage ratio common disclosure (EU LR2) - in millions of euros		30/06/2023	31/12/2022
<b>On-balance sheet exposures (excluding derivatives and SFTs)</b>			
1	On-balance sheet items (excluding derivatives, SFTs, but including collateral) [1]	1 683 992	1 684 206
2	Gross-up for derivatives collateral provided, where deducted from the balance sheet assets pursuant to the applicable accounting framework	2 200	4 834
3	(Deductions of receivables assets for cash variation margin provided in derivatives transactions)	(12 587)	(13 443)
4	(Adjustment for securities received under securities financing transactions that are recognised as an asset)	-	-
5	(General credit risk adjustments to on-balance sheet items)	-	-
6	(Asset amounts deducted in determining Tier 1 capital)	(21 649)	(21 732)
7	<b>Total on-balance sheet exposures (excluding derivatives and SFTs) [1]</b>	<b>1 651 956</b>	<b>1 653 865</b>
<b>Derivative exposures</b>			
8	Replacement cost associated with SA-CCR derivatives transactions (ie net of eligible cash variation margin)	30 258	35 298
EU-8a	Derogation for derivatives: replacement costs contribution under the simplified standardised approach	-	-
9	Add-on amounts for potential future exposure associated with SA-CCR derivatives transactions	50 135	50 717
EU-9a	Derogation for derivatives: Potential future exposure contribution under the simplified standardised approach	-	-
EU-9b	Exposure determined under Original Exposure Method	-	-
10	(Exempted CCP leg of client-cleared trade exposures) (SA-CCR)	(1 316)	(2 841)
EU-10a	(Exempted CCP leg of client-cleared trade exposures) (simplified standardised approach)	-	-
EU-10b	(Exempted CCP leg of client-cleared trade exposures) (Original Exposure Method)	-	-
11	Adjusted effective notional amount of written credit derivatives	16 811	15 008
12	(Adjusted effective notional offsets and add-on deductions for written credit derivatives)	(6 348)	(4 803)
13	<b>Total derivatives exposures</b>	<b>89 540</b>	<b>93 378</b>
<b>Securities financing transaction (SFT) exposures</b>			
14	Gross SFT assets (with no recognition of netting), after adjustment for sales accounting transactions	308 899	243 243
15	(Netted amounts of cash payables and cash receivables of gross SFT assets)	(151 186)	(119 727)
16	Counterparty credit risk exposure for SFT assets	7 756	4 781
EU-16a	Derogation for SFTs: Counterparty credit risk exposure in accordance with Articles 429e(5) and 222 CRR	-	-
17	Agent transaction exposures	-	-
EU-17a	(Exempted CCP leg of client-cleared SFT exposure)	-	-
18	<b>Total securities financing transaction exposures</b>	<b>165 470</b>	<b>128 298</b>
<b>Other off-balance sheet exposures</b>			
19	Off-balance sheet exposures at gross notional amount	393 159	391 981
20	(Adjustments for conversion to credit equivalent amounts)	(205 744)	(187 554)
21	(General provisions deducted in determining Tier 1 capital and specific provisions associated with off-balance sheet exposures)	-	-
22	<b>Off-balance sheet exposures</b>	<b>187 415</b>	<b>204 426</b>

<sup>1</sup> The presentation on the balance sheet of the revaluation difference of interest rate hedged portfolios was reclassified between assets and liabilities as of December 31, 2022 generating an adjustment to the total exposure measure leverage of -€18.3bn.

LRCom: Leverage ratio common disclosure (EU LR2) - part 2 - in millions of euros		30/06/2023	31/12/2022
<b>Excluded exposures</b>			
EU-22a	(Exposures excluded from the total exposure measure in accordance with point (c) of Article 429a(1) CRR)	-	-
EU-22b	(Exposures exempted in accordance with point (j) of Article 429a(1) CRR (on and off balance sheet))	(90 808)	(81 101)
EU-22c	(Excluded exposures of public development banks (or units) - Public sector investments)	-	-
EU-22d	(Excluded exposures of public development banks (or units) - Promotional loans)	-	-
EU-22e	(Excluded passing-through promotional loan exposures by non-public development banks (or units))	-	-
EU-22f	(Excluded guaranteed parts of exposures arising from export credits)	(12 934)	(12 876)
EU-22g	(Excluded excess collateral deposited at triparty agents)	-	-
EU-22h	(Excluded CSD related services of CSD/institutions in accordance with point (o) of Article 429a(1) CRR)	-	-
EU-22i	(Excluded CSD related services of designated institutions in accordance with point (p) of Article 429a(1) CRR)	-	-
EU-22j	(Reduction of the exposure value of pre-financing or intermediate loans)	-	-
EU-22k	<b>(Total exempted exposures)</b>	<b>(103 742)</b>	<b>(93 976)</b>
<b>Capital and total exposure measure</b>			
23	<b>Tier 1 capital</b>	<b>112 065</b>	<b>107 064</b>
24	<b>Total exposure measure [1]</b>	<b>1 990 639</b>	<b>1 985 992</b>
<b>Leverage ratio</b>			
25	<b>Leverage ratio (%) [1]</b>	<b>5.63%</b>	<b>5.39%</b>
EU-25	Leverage ratio (excluding the impact of the exemption of public sector investments and promotional loans) (%) [1]	5.63%	5.39%
25a	Leverage ratio (excluding the impact of any applicable temporary exemption of central bank reserves) (%) [1]	5.63%	5.39%
26	Regulatory minimum leverage ratio requirement (%)	3.00%	3.00%
EU-26a	Additional own funds requirements to address the risk of excessive leverage (%)	0.00%	0.00%
EU-26b	of which: to be made up of CET1 capital	0.00%	0.00%
27	Leverage ratio buffer requirement (%)	0.50%	0.00%
EU-27a	Overall leverage ratio requirement (%)	3.50%	3.00%
<b>Choice on transitional arrangements and relevant exposures</b>			
EU-27b	Choice on transitional arrangements for the definition of the capital measure	Transitional	Transitional

<sup>1</sup> The presentation on the balance sheet of the revaluation difference of interest rate hedged portfolios was reclassified between assets and liabilities as of March 31, 2023, and December 31, 2022 generating an adjustment to the total exposure measure leverage of respectively -€16.6bn and -€18.3bn.

LRSum: Summary reconciliation of accounting assets and leverage ratio exposures (EU LR1)

Applicable Amount - in millions of euros		30/06/2023
1	Total assets as per published financial statements	2 398 985
2	Adjustment for entities which are consolidated for accounting purposes but are outside the scope of prudential consolidation	(400 577)
3	(Adjustment for securitised exposures that meet the operational requirements for the recognition of risk transference)	(17)
4	(Adjustment for temporary exemption of exposures to central banks (if applicable))	-
5	(Adjustment for fiduciary assets recognised on the balance sheet pursuant to the applicable accounting framework but excluded from the total exposure measure in accordance with point (i) of Article 429a(1) CRR)	-
6	Adjustment for regular-way purchases and sales of financial assets subject to trade date accounting	-
7	Adjustment for eligible cash pooling transactions	-
8	Adjustment for derivative financial instruments	(324 056)
9	Adjustment for securities financing transactions (SFTs)	(143 429)
10	Adjustment for off-balance sheet items (ie conversion to credit equivalent amounts of off-balance sheet exposures)	187 614
11	(Adjustment for prudent valuation adjustments and specific and general provisions which have reduced Tier 1 capital)	-
EU-11a	(Adjustment for exposures excluded from the total exposure measure in accordance with point (c) of Article 429a(1) CRR)	-
EU-11b	(Adjustment for exposures excluded from the total exposure measure in accordance with point (j) of Article 429a(1) CRR)	(90 808)
12	Other adjustments	362 927
13	<b>Total exposure measure</b>	<b>1 990 639</b>

LRSpl: Breakdown of balance sheet exposures (excluding derivatives, SFTs and exempted exposures) (EU LR3)

CRR leverage ratio exposures (in millions of euros)		30/06/2023
EU-1	<b>Total on-balance sheet exposures (excluding derivatives, SFTs, and exempted exposures), of which:</b>	<b>1 583 336</b>
EU-2	Trading book exposures	49 187
EU-3	Banking book exposures, of which:	1 534 149
EU-4	Covered bonds	6 355
EU-5	Exposures treated as sovereigns	276 498
EU-6	Exposures to regional governments, MDB, international organisations and PSE, not treated as sovereigns	44 078
EU-7	Institutions	37 867
EU-8	Secured by mortgages of immovable properties	483 096
EU-9	Retail exposures	254 387
EU-10	Corporates	351 363
EU-11	Exposures in default	22 345
EU-12	Other exposures (eg equity, securitisations, and other non-credit obligation assets)	58 160

### 1.3 TLAC Ratios

#### Key metrics – Capital requirement and eligible liabilities requirement applicable to G-SIIs (EU KM2)

This table provides information required by Article 447 (h) of CRR2 and by Article 45i-3 (a and c) of BRRD2. It depicts an overview of the TLAC ratios and their components, i.e. the G-SII requirement for own funds and eligible liabilities that applies to Crédit Agricole Group.

EU KM2: Own funds and eligible liabilities, ratios and components (in €mn)		30/06/2023	31/03/2023	31/12/2022	30/09/2022	30/06/2022
1	Own funds and eligible liabilities [1]	161 264	159 849	156 263	156 134	154 601
2	Total risk exposure amount of the resolution group (TREA) [2]	595 839	584 280	574 595	588 643	579 519
3	<b>Own funds and eligible liabilities as a percentage of TREA</b>	<b>27.06%</b>	<b>27.36%</b>	<b>27.20%</b>	<b>26.52%</b>	<b>26.68%</b>
4	Total exposure measure of the resolution group [2] [4]	1 990 639	2 031 225	1 985 992	2 111 884	2 044 773
5	<b>Own funds and eligible liabilities as percentage of the total exposure measure [4]</b>	<b>8.10%</b>	<b>7.87%</b>	<b>7.87%</b>	<b>7.39%</b>	<b>7.56%</b>
6a	Does the subordination exemption in Article 72b(4) of the CRR apply? (5% exemption)	No	No	No	No	No
6b	Pro-memo item - Aggregate amount of permitted non-subordinated eligible liabilities instruments if the subordination discretion as per Article 72b(3) CRR is applied (max 3.5% exemption) [3]	0	0	0	0	0
6c	Pro-memo item: If a capped subordination exemption applies under Article 72b(3) CRR, the amount of funding issued that ranks pari passu with excluded liabilities and that is recognised under row 1, divided by funding issued that ranks pari passu with excluded Liabilities and that would be recognised under row 1 if no cap was applied (%)	N/A	N/A	N/A	N/A	N/A

[1] Total loss absorbing capacity.

[2] For the purpose of computing resolution ratios, the Total Exposure Risk Amount (TREA) of the resolution group is equivalent to the Risk Weighted Assets (RWA) at Crédit Agricole Group level; the Total Exposure Measure (TEM) of the resolution group is equivalent to the Leverage Ratio Exposure (LRE) at Crédit Agricole Group level.

[3] As part of its annual resolvability assessment, Crédit Agricole Group has chosen to waive the possibility offered by Article 72b(3) of the Capital Requirements Regulation to use senior preferred debt for compliance with its TLAC requirements in 2023.

[4] The presentation on the balance sheet of the revaluation difference of rate-hedged portfolios was reclassified between assets and liabilities as of March 31, 2023 and December 31, 2022 generating an adjustment to the TLAC ratio expressed as a % of LRE of +6 bp and +7 bp, respectively.

As at 30 June 2023, Crédit Agricole Group's TLAC ratio is 27.1% of risk-weighted assets and 8.1% of leverage exposure, excluding eligible senior preferred debt. Crédit Agricole Group's TLAC ratio is well above the respective requirements of 21.9% of risk-weighted assets (including the countercyclical buffer of 0.40% as at 30 June 2023) and 6.75% of the leverage exposure.

## TLAC composition at Resolution Group Level – Crédit Agricole Group (EU-TLAC1)

The table below provides information required by Article 437a (a, c and d) of CRR2 and Article 45i-3-(b) of BRRD2. It presents the composition of own funds and liabilities eligible for the TLAC requirement applicable to global systematically important institutions, and therefore to the Crédit Agricole Group.

EU TLAC1 - Composition - G-SII Requirement for own funds and eligible liabilities (in millions of euros)		30/06/2023
<b>Own funds and eligible liabilities and adjustments</b>		
1	Common Equity Tier capital (CET1)	104 736
2	Additional Tier capital (AT1)	7 329
6	Tier 2 capital (T2)	16 031
11	<b>Own funds for the purpose of Articles 92a CRR</b>	<b>128 096</b>
<b>Own funds and eligible liabilities: Non-regulatory capital elements</b>		
12	Eligible liabilities instruments issued directly by the resolution entity that are subordinated to excluded liabilities (not grandfathered) [1]	27 540
EU-12a	Eligible liabilities instruments issued by other entities within the resolution group that are subordinated to excluded liabilities (not grandfathered)	0
EU-12b	Eligible liabilities instruments that are subordinated to excluded liabilities, issued prior to 27 June 2019 (subordinated grandfathered)	0
EU-12c	Tier 2 instruments with a residual maturity of at least one year to the extent they do not qualify as Tier 2 items	5 628
13	Eligible liabilities that are not subordinated to excluded liabilities (not grandfathered pre cap) [2]	N/A
EU-13a	Eligible liabilities that are not subordinated to excluded liabilities issued prior to 27 June 2019 (pre-cap) [2]	N/A
14	Amount of non subordinated instruments eligible, where applicable after application of Article 72b (3) CRR [2]	0
17	<b>Eligible liabilities items before adjustments</b>	<b>33 168</b>
EU-17a	Of which subordinated	33 168
<b>Own funds and eligible liabilities: Adjustments to non-regulatory capital elements</b>		
18	Own funds and eligible liabilities items before adjustments	161 264
19	(Deduction of exposures between MPE resolution groups)	N/A
20	(Deduction of investments in other eligible liabilities instruments)	0
22	<b>OWN FUNDS AND ELIGIBLE LIABILITIES after adjustments</b>	<b>161 264</b>
EU-22a	Of which own funds and subordinated	161 264
<b>Risk-weighted exposure amount and leverage exposure measure of the resolution group</b>		
22	<b>Total risk exposure amount (TREA) [3]</b>	<b>595 839</b>
23	<b>Total exposure measure (TEM) [3]</b>	<b>1 990 639</b>
<b>Ratio of own funds and eligible liabilities</b>		
25	<b>Own funds and eligible liabilities (as a percentage of TREA)</b>	<b>27.06%</b>
EU-25a	Of which own funds and subordinated	27.06%
26	<b>Own funds and eligible liabilities (as a percentage of TEM)</b>	<b>8.10%</b>
EU-26a	Of which own funds and subordinated	8.10%
27	CET1 (as a percentage of TREA) available after meeting the resolution group's requirements [4]	9.06%
28	Institution-specific combined buffer requirement	3.90%
29	of which: capital conservation buffer requirement	2.50%
30	of which: countercyclical buffer requirement	0.40%
31	of which: systemic risk buffer requirement	0.00%
EU-31a	of which: Global Systemically Important Institution (G-SII) or Other Systemically Important Institution (O-SII) buffer	1.00%
<b>Memorandum items</b>		
EU-32	Total amount of excluded liabilities referred to in Article 72a(2) CRR	804 362

[1] Senior non preferred debt instruments.

[2] As part of its annual resolvability assessment, Crédit Agricole Group has chosen to waive the possibility offered by Article 72b(3) of the Capital Requirements Regulation to use senior preferred debt for compliance with its TLAC requirements in 2023.

[3] For the purpose of computing resolution ratios, the Total Exposure Risk Amount (TREA) of the resolution group is equivalent to the Risk Weighted Assets (RWA) at Crédit Agricole Group level; the Total Exposure Measure (TEM) of the resolution group is equivalent to the Leverage Ratio Exposure (LRE) at Crédit Agricole Group level.

[4] CET1 available after meeting Pillar 1, Pillar 2 requirement and resolution requirements as of 30/06/2023.

All these eligible liability items and their features can be consulted in Appendix, "Main features of regulatory own funds instruments and eligible liabilities instruments (EU CCA)", available at <https://www.credit-agricole.com/en/finance/finance/financial-publications>

## Ranking in the creditor hierarchy at the level of the resolution entity Crédit Agricole S.A. (EU-TLAC3)

The table below provides information required by Article 437a (a) and (b) of CRR2 and Article 45i-3-(b) of BRRD2. It presents, at the level of the resolution entity Crédit Agricole S.A., the breakdown of own funds and liabilities based on their maturities and TLAC-eligibility, as well as their ranking in the creditor hierarchy in normal insolvency proceedings.

EU TLAC3: creditor ranking at the level of the resolution entity Crédit Agricole SA						
30/06/2023		Insolvency ranking (by increasing order of seniority)				
in millions of euros						
1	Description of insolvency rank	Equity [1]	Deeply subordinated notes [2]	Subordinated notes [3]	Senior non-preferred unsecured claims [4]	Total
2	<b>Liabilities and own funds</b>	<b>55 553</b>	<b>7 655</b>	<b>21 300</b>	<b>29 769</b>	<b>114 276</b>
3	of which excluded liabilities	0	0	0	0	0
4	Liabilities and own funds less excluded liabilities	55 553	7 655	21 300	29 769	114 276
5	<b>Subset of row 4 that are own funds and liabilities potentially eligible for meeting TLAC [5]</b>	<b>55 553</b>	<b>7 650</b>	<b>20 700</b>	<b>27 830</b>	<b>111 733</b>
6	of which residual maturity $\geq 1$ year < 2 years	0	0	3 302	2 635	5 937
7	of which residual maturity $\geq 2$ year < 5 years	0	0	8 067	16 481	24 549
8	of which residual maturity $\geq 5$ years < 10 years	0	0	6 906	7 900	14 805
9	of which residual maturity $\geq 10$ years, but excluding perpetual securities	0	0	2 425	814	3 239
10	of which perpetual securities	55 553	7 650	0	0	63 204

[1] Equity excluding Fund for General Banking Risk.

[2] Deeply subordinated claims issued before 28/12/2020 which are or have been recognized as Additional Tier 1 instruments, as well as deeply subordinated claims issued since 28/12/2020 which are fully or partially recognized as Additional Tier 1.

[3] Subordinated claims issued before 28/12/2020 which are or have been recognized as Tier 2 instruments, as well as subordinated claims issued since 28/12/2020 which are fully or partially recognized as Tier 2.

[4] Senior non preferred claims in accordance with article L613-30-3-I-4° of the Monetary and Financial Code.

[5] Instruments with a residual maturity below one year, as well as instruments issued towards entities within the resolution group are not included in eligible liabilities for meeting TLAC.

## 2. COMPOSITION AND CHANGES IN RISK-WEIGHTED ASSETS

### 2.1 Summary of risk-weighted assets

#### 2.1.1 Risk-weighted assets by type of risks (OV1)

Risk-weighted assets in respect for credit risk, market risk and operational risk amount to € 595.8 billion at 30 June 2023 compared with € 574.6 billion at 31 December 2022.

30/06/2023		Total risk exposure amounts (RWA)			Total own funds requirements
		30/06/2023	31/03/2023	31/12/2022	30/06/2023
1	<b>Credit risk (excluding CCR)</b>	<b>486,873</b>	<b>478,717</b>	<b>464,686</b>	<b>38,950</b>
2	Of which the standardised approach	127,988	122,066	118,871	10,239
3	Of which the Foundation IRB (F-IRB) approach	46,864	106,719	105,273	3,749
4	Of which slotting approach	-	-	-	-
EU 4a	Of which equities under the simple risk weighted approach	60,009	61,501	50,589	4,801
5	Of which the Advanced IRB (A-IRB) approach	245,199	181,640	182,841	19,616
6	<b>Counterparty credit risk - CCR</b>	<b>25,239</b>	<b>23,666</b>	<b>24,485</b>	<b>2,019</b>
7	Of which the standardised approach	3,725	3,546	3,636	298
8	Of which internal model method (IMM)	11,544	11,196	11,854	924
EU 8a	Of which exposures to a CCP	409	503	184	33
EU 8b	Of which credit valuation adjustment - CVA	5,247	4,390	5,011	420
9	Of which other CCR	4,314	4,030	3,800	345
15	<b>Settlement risk</b>	<b>8</b>	<b>4</b>	<b>94</b>	<b>1</b>
16	<b>Securitisation exposures in the non-trading book (after the cap)</b>	<b>8,931</b>	<b>9,755</b>	<b>10,245</b>	<b>715</b>
17	Of which SEC-IRBA approach	2,450	3,039	3,409	196
18	Of which SEC-ERBA (including IAA)	5,187	5,350	5,631	415
19	Of which SEC-SA approach	1,287	1,359	1,198	103
EU 19a	Of which 1250%	7	7	7	1
20	<b>Position, foreign exchange and commodities risks (Market risk)</b>	<b>13,322</b>	<b>11,414</b>	<b>14,823</b>	<b>1,066</b>
21	Of which the standardised approach	3,455	3,137	3,549	276
22	Of which IMA	9,867	8,277	11,274	789
EU 22a	<b>Large exposures</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
23	<b>Operational risk</b>	<b>61,466</b>	<b>60,725</b>	<b>60,261</b>	<b>4,917</b>
EU 23a	Of which basic indicator approach	-	-	-	-
EU 23b	Of which standardised approach	15,117	14,353	14,115	1,209
EU 23c	Of which advanced measurement approach	46,350	46,372	46,147	3,708
24	Amounts below the thresholds for deduction (subject to 250% risk weight)	14,248	13,975	13,739	1,140
29	<b>TOTAL</b>	<b>595,839</b>	<b>584,280</b>	<b>574,595</b>	<b>47,667</b>



## 2.1.2 Operating segment information

30/06/2023	Credit risk				Credit risk	Credit valuation adjustment risk	Operational Risk	Market risk	Total risk-weighted assets
	Standardised approach	Weighting approach IRB	IRB Approach <sup>(1)</sup>	Contributions to a CCP default fund					
(in millions of euros)									
French retail banking	22,375	25,365	195,474	-	243,214	44	25,620	81	268,959
International retail banking	33,647	1,324	8,749	-	43,720	19	5,181	59	48,979
Asset gathering and insurance	8,210	28,720	1,025	-	37,956	416	8,194	78	46,643
Specialized financial services	47,380	2,912	18,960	-	69,252	202	4,471	4	73,929
Large customers	15,323	1,384	87,334	280	104,321	4,566	16,890	10,741	136,518
Corporate center	6,533	7,117	3,690	-	17,340	-	1,111	2,359	20,811
TOTAL RISK-WEIGHTED ASSETS	133,468	66,822	315,233	280	515,804	5,247	61,466	13,322	595,839

(1) Advanced IRB or Foundation IRB approach depending on business lines.

31/12/2022	Credit risk				Credit risk	Credit valuation adjustment risk	Operational Risk	Market risk	Total risk-weighted assets
	Standardised approach	Weighting approach IRB	IRB Approach <sup>(1)</sup>	Contributions to a CCP default fund					
(in millions of euros)									
French retail banking	23,280	25,022	190,283	-	238,586	81	25,495	74	264,236
International retail banking	34,063	1,367	7,484	-	42,915	32	4,995	46	47,988
Asset gathering and insurance	6,722	20,342	839	-	27,904	404	7,896	104	36,307
Specialized financial services	37,628	2,736	18,288	-	58,653	153	3,952	12	62,770
Large customers	14,876	1,319	91,394	263	107,852	4,341	16,885	11,815	140,894
Corporate center	7,748	6,913	3,929	-	18,590	-	1,038	2,772	22,400
TOTAL RISK-WEIGHTED ASSETS	124,317	57,701	312,219	263	494,500	5,011	60,261	14,823	574,595

(1) Advanced IRB or Foundation IRB approach depending on business lines.

## 2.1.3 Trends in risk-weighted assets

The table below shows the changes in Crédit Agricole Group's risk-weighted assets in first-half 2023 :

	31/12/2022	Foreign exchange	Organic change and optimisation	Equity-accounted value Insurance	Scope	Method and regulatory changes	Total variation 2023	30/06/2023
<i>(in millions of euros)</i>								
Credit risk	494,500	(1,426)	13,601	515	2,688	5,925	21,304	515,804
of which Equity risk	57,701	-	947	515	33	7,626	9,122	66,822
CVA	5,011	-	237	-	-	-	237	5,247
Market risk	14,823	-	99	-	-	(1,600)	(1,501)	13,322
Operational risk	60,261	-	1,205	-	-	-	1,205	61,466
<b>TOTAL</b>	<b>574,595</b>	<b>(1,426)</b>	<b>15,142</b>	<b>515</b>	<b>2,688</b>	<b>4,325</b>	<b>21,244</b>	<b>595,839</b>

Risk-weighted assets totaled €595.8 billion at 30 June 2023, an increase by €21.2 billion (+3.7%) over the first semester due to the increase in the insurance equity-accounted value for an RWA amount of €8.1 billion including +€7.6 billion related to the entry into force of IFRS 17.

The organic growth of other business lines (including foreign exchange) grew by +€13.7 billion, including an increase of +€7 billion in the risk-weighted assets of the Specialized Financial Services division due to the strong momentum generated by the launch of Crédit Agricole Auto Bank ; an increase of +€6.3 billion in Retail Banking of which +€5.2 billion by the Regional Banks ; +€1.3 billion in the Asset Gathering division, slightly offset by a decrease of RWAs by -€2.1 billion in the Large Customer division.

Mergers and acquisitions related to the restructuring of the partnership between CACF and Stellantis contributed +€2.7 billion to the growth of risk-weighted assets, while methodology and regulatory effects had a positive effect of -€3.3 billion in the semester.

## 2.2 Credit and counterparty risk

### 2.2.1 General overview of credit and counterparty risk

#### 2.2.1.1 Exposures by type of risk

The table below shows Crédit Agricole Group's exposure to global risk (credit, counterparty, dilution, settlement and delivery) by exposure class for the standardised and internal ratings-based approaches at 30 June 2023 and at 31 December 2022.

The exposure classes under the standardised approach are grouped together to ensure the presentation aligns with the IRB exposures.

### OVERALL RISK EXPOSURE (CREDIT, COUNTERPARTY, DILUTION, SETTLEMENT AND DELIVERY) AT 30 JUNE 2023

30/06/2023	Standardised				IRB				Total				
	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Capital requirement
<i>(in billions of euros)</i>													
Central governments or central banks	62.2	69.3	69.1	8.5	324.7	353.7	349.3	3.9	386.9	423.0	418.4	12.3	1.0
Institutions	33.7	48.8	47.5	8.3	97.3	101.9	96.0	19.9	130.9	150.7	143.5	28.2	2.3
Corporates	132.3	112.9	78.9	61.5	531.2	471.6	417.2	180.9	663.5	584.5	496.1	242.4	19.4
Retail customers	59.0	50.1	47.4	30.6	738.2	738.2	749.4	103.0	797.2	788.3	796.7	133.5	10.7
Loans to individuals	37.5	33.5	32.4	21.8	607.8	607.9	614.6	76.0	645.3	641.4	647.0	97.8	7.8
o/w secured by real estate assets	6.2	6.1	6.1	2.3	460.3	460.3	460.3	43.0	466.5	466.4	466.4	45.3	3.6
o/w revolving	1.8	1.7	1.0	0.7	19.9	19.9	25.4	5.0	21.7	21.6	26.4	5.7	0.5
o/w other	29.5	25.8	25.3	18.8	127.7	127.7	128.9	28.0	157.1	153.4	154.2	46.8	3.7
Loans to small and medium businesses	21.6	16.6	15.0	8.7	130.4	130.4	134.7	27.0	151.9	146.9	149.8	35.7	2.9
o/w secured by real estate assets	0.4	0.4	0.3	0.2	29.0	29.0	29.0	7.6	29.3	29.3	29.3	7.8	0.6
o/w other	21.2	16.2	14.7	8.6	101.4	101.4	105.8	19.3	122.6	117.6	120.5	27.9	2.2
Shares	2.0		2.0	2.3	17.8		17.8	60.0	19.8		19.8	62.3	5.0
Securitisations	5.8		5.2	1.3	53.6		53.5	7.6	59.4		58.7	8.9	0.7
Assets other than credit obligation	26.8		26.6	21.1	-		-	-	26.8		26.6	21.1	1.7
<b>TOTAL</b>	<b>321.8</b>		<b>276.7</b>	<b>133.5</b>	<b>1,762.7</b>		<b>1,683.2</b>	<b>375.2</b>	<b>2,084.5</b>		<b>1,959.8</b>	<b>508.7</b>	<b>40.7</b>

(1) Initial gross exposure.

(2) Gross exposure after credit risk mitigation (CRM).

## OVERALL RISK EXPOSURE (CREDIT, COUNTERPARTY, DILUTION, SETTLEMENT AND DELIVERY) AT 31 DECEMBER 2022

31/12/2022	Standardised				IRB				Total				
	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Gross exposure <sup>(1)</sup>	Gross exposure after CRM <sup>(2)</sup>	EAD	RWA	Capital requirement
<i>(in billions of euros)</i>													
Central governments or central banks	77.2	83.5	83.3	8.1	355.3	385.5	381.3	3.4	432.5	469.0	464.6	11.5	0.9
Institutions	40.4	61.4	58.3	10.2	97.9	104.0	98.0	20.7	138.3	165.3	156.3	30.9	2.5
Corporates	135.4	111.1	77.7	59.4	538.1	475.7	415.9	180.1	673.5	586.8	493.6	239.5	19.2
Retail customers	49.0	40.1	36.9	22.5	728.7	728.7	738.8	99.0	777.7	768.8	775.6	121.5	9.7
Loans to individuals	29.9	26.2	24.7	15.5	601.2	601.2	607.5	73.3	631.0	627.4	632.2	88.9	7.1
o/w secured by real estate assets	7.7	7.5	7.5	2.8	453.9	453.9	453.9	41.6	461.6	461.4	461.4	44.4	3.6
o/w revolving	2.1	2.0	1.0	0.8	20.0	20.0	25.4	4.8	22.1	22.0	26.4	5.6	0.4
o/w other	20.1	16.7	16.2	11.9	127.3	127.3	128.2	27.0	147.4	144.0	144.4	38.9	3.1
Loans to small and medium businesses	19.1	13.9	12.2	7.0	127.5	127.5	131.2	25.6	146.6	141.4	143.4	32.6	2.6
o/w secured by real estate assets	0.7	0.7	0.6	0.2	28.3	28.3	28.3	7.5	28.9	28.9	28.8	7.7	0.6
o/w other	18.4	13.2	11.6	6.8	99.3	99.3	102.9	18.2	117.7	112.5	114.6	24.9	2.0
Shares	1.6		1.6	1.9	15.2		15.1	50.6	16.8		16.7	52.5	4.2
Securitisations	5.7		5.0	1.2	55.5		55.5	9.0	61.2		60.5	10.2	0.8
Assets other than credit obligation	27.3		27.1	21.0	-		-	-	27.3		27.1	21.0	1.7
<b>TOTAL</b>	<b>336.5</b>		<b>289.9</b>	<b>124.2</b>	<b>1,790.7</b>		<b>1,704.5</b>	<b>362.8</b>	<b>2,127.2</b>		<b>1,994.4</b>	<b>487.0</b>	<b>39.0</b>

(1) Initial gross exposure.

(2) Gross exposure after credit risk mitigation (CRM).

Measured in terms of gross exposure, the group's total outstanding amounts were down -2%.

The main portfolio remains the Retail customers category with total gross exposure of €797.2 billion at the end of June 2023 (compared with €777.7 billion at the end of 2022).

The "Central governments or Central Banks" exposure class fell by -10.5% mainly due to the decrease in Central Banks deposits.

RWA density (defined as the ratio of risk-weighted asset/EAD) was 16.8%% on average for Retail customers and 48.8%% for Corporates at 30 June 2023.

## 2.2.1.2 Loans, receivables and debt securities by maturity

### MATURITY OF EXPOSURES (CR1-A)

30/06/2023		Net exposure value on balance sheet					
		On demand	<= 1 year	> 1 year <= 5 years	> 5 years	No stated maturity	Total
<i>(in millions of euros)</i>							
1	Loans and advances	336	413,278	482,815	492,565	1,352	1,390,346
2	Debt securities	-	51,712	61,729	57,862	7,843	179,146
3	<b>TOTAL</b>	<b>336</b>	<b>464,990</b>	<b>544,544</b>	<b>550,427</b>	<b>9,194</b>	<b>1,569,492</b>

31/12/2022		Net exposure value on balance sheet					
		On demand	<= 1 year	> 1 year <= 5 years	> 5 years	No stated maturity	Total
<i>(in millions of euros)</i>							
1	Prêts et avances	413	384,814	466,920	481,415	1,362	1,334,924
2	Titres de créances	-	48,874	59,506	53,055	6,811	168,246
3	<b>TOTAL</b>	<b>413</b>	<b>433,687</b>	<b>526,426</b>	<b>534,470</b>	<b>8,173</b>	<b>1,503,170</b>

## 2.2.1.3 Default exposures and value adjustments

### PERFORMING AND NON-PERFORMING EXPOSURES AND RELATED PROVISIONS (CR1)

30/06/2023  (in millions of euros)		Gross carrying amount/nominal amount						Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions						Accumulated partial write-off	Collateral and financial guarantees received	
		Performing exposures			Non-performing exposures						Performing exposures – accumulated impairment and provisions				On performing exposures	On non-performing exposures
		Of which bucket 1	Of which bucket 2		Of which bucket 2	Of which bucket 3		Of which bucket 1	Of which bucket 2		Of which bucket 2	Of which bucket 3				
005	Cash balances at central banks and other demand deposits	173,343	173,331	12	17		17	(4)	(4)	(0)	(17)		(17)			
010	Loans and advances	1,250,810	1,139,239	111,362	25,280	118	25,154	(8,726)	(2,987)	(5,739)	(12,332)	(67)	(12,265)		713,043	7,691
020	Central banks	2,851	2,770	81				(9)	(0)	(9)					1,946	
030	General governments	40,664	39,596	1,068	175	2	172	(39)	(28)	(11)	(51)	(0)	(51)		5,077	105
040	Credit institutions	108,040	107,980	60	481		481	(45)	(41)	(4)	(365)		(365)		9,852	85
050	Other financial corporations	35,033	32,788	2,222	715	2	713	(379)	(179)	(200)	(550)	(0)	(550)		11,926	80
060	Non-financial corporations	440,552	384,478	56,022	14,865	90	14,775	(5,026)	(1,803)	(3,223)	(7,048)	(64)	(6,984)		214,966	4,665
070	Of which SMEs	225,587	197,537	27,999	8,535	32	8,501	(3,478)	(1,382)	(2,096)	(4,672)	(5)	(4,667)		122,260	2,463
080	Households	623,670	571,627	51,909	9,044	24	9,013	(3,228)	(936)	(2,292)	(4,319)	(3)	(4,316)		469,275	2,757
090	Debt Securities	146,073	136,481	1,020	120	0	105	(119)	(107)	(12)	(99)		(99)		2,087	0
100	Central banks	6,214	5,880	334				(2)	(0)	(1)						
110	General governments	76,857	76,568	288				(83)	(80)	(3)					1,394	
120	Credit institutions	30,636	30,527	45	5		5	(17)	(17)	(0)	(5)		(5)		402	
130	Other financial corporations	19,363	11,104	144	7			(5)	(5)	(0)	-				69	0
140	Non-financial corporations	13,003	12,401	209	108	0	100	(12)	(5)	(7)	(93)		(93)		222	
150	Off-balance sheet exposures	636,595	617,127	19,468	1,862	5	1,857	(1,281)	(598)	(684)	(532)		(532)		71,518	369
160	Central banks	140,882	140,882					(0)	(0)							
170	General governments	26,290	25,609	681				(9)	(6)	(3)					3,454	
180	Credit institutions	66,414	66,325	89	62		62	(21)	(21)	(1)	(24)		(24)		315	-
190	Other financial corporations	109,013	107,584	1,429	173		173	(65)	(36)	(29)	(11)		(11)		2,378	3
200	Non-financial corporations	251,595	236,213	15,382	1,533	5	1,528	(1,027)	(462)	(564)	(470)		(470)		54,920	351
210	Households	42,401	40,515	1,887	94	0	94	(158)	(72)	(87)	(27)		(27)		10,450	15
220	TOTAL	2,206,822	2,066,177	131,862	27,279	123	27,134	(10,130)	(3,695)	(6,435)	(12,981)	(67)	(12,914)		786,648	8,060

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(in millions of euros)

		Gross carrying amount/nominal amount						Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions						Accumulated partial write-off	Collateral and financial guarantees received			
		Performing exposures			Non-performing exposures			Performing exposures – accumulated impairment and provisions			On performing exposures	On non-performing exposures						
31/12/2022			Of which bucket 1	Of which bucket 2			Of which bucket 2	Of which bucket 3			Of which bucket 1	Of which bucket 2			Of which bucket 2	Of which bucket 3		
(in millions of euros)																		
005	Cash balances at central banks and other demand deposits	215,739	215,733	6	18		18		(6)	(3)	(3)	(18)		(18)			46	
010	Loans and advances	1,224,030	1,111,447	112,224	24,793		134	24,652	(8,399)	(2,864)	(5,534)	(12,066)	(84)	(11,982)			687,154	7,550
020	Central banks		1,620	1,589	31				(15)	(0)	(15)							
030	General governments		41,177	40,138	1,039		199	3	195	(35)	(28)	(8)	(54)	(0)	(54)		4,103	114
040	Credit institutions		101,292	101,199	92		481	0	481	(45)	(41)	(4)	(370)		(370)		6,139	
050	Other financial corporations		36,364	34,145	2,196		672	1	672	(353)	(198)	(155)	(529)	(0)	(529)		10,267	69
060	Non-financial corporations		438,634	378,536	59,895		14,806	107	14,698	(4,937)	(1,784)	(3,153)	(6,909)	(81)	(6,828)		205,091	4,735
070	Of which: SMEs		213,431	186,178	27,213		8,328	26	8,301	(3,286)	(1,331)	(1,955)	(4,494)	(3)	(4,491)		118,170	2,293
080	Households		604,942	555,840	48,971		8,636	24	8,606	(3,013)	(814)	(2,199)	(4,205)	(3)	(4,202)		461,553	2,631
090	Debt Securities		149,087	140,916	800		118	0	105	(99)	(87)	(12)	(97)		(97)		2,149	0
100	Central banks		5,921	5,648	274				(9)	(8)	(1)							
110	General governments		79,555	79,255	299		0	0	(54)	(51)	(3)	(0)		(0)			1,468	
120	Credit institutions		31,652	31,526	2		5		(16)	(16)	(0)	(5)		(5)			430	
130	Other financial corporations		16,519	9,570	39		7	0	(4)	(3)	(1)	-					26	0
140	Non-financial corporations		15,439	14,917	186		106	0	(15)	(9)	(7)	(92)		(92)			225	
150	Off-balance sheet exposures		774,965	754,676	20,288		2,353	4	2,349	(1,343)	(602)	(741)	(501)	(0)	(501)		40,965	237
160	Central banks		274,361	274,361					(0)	(0)								
170	General governments		21,028	20,218	810		0	0	(8)	(5)	(3)						2,387	
180	Credit institutions		92,766	92,627	138		34	34	(17)	(17)	(1)	(23)		(23)			181	-
190	Other financial corporations		102,322	101,021	1,301		819		(73)	(43)	(30)	(12)		(12)			1,256	0
200	Non-financial corporations		239,460	223,169	16,290		1,404	3	1,400	(1,077)	(465)	(612)	(439)	(0)	(439)		25,200	220
210	Households		45,028	43,280	1,749		96	0	96	(168)	(72)	(96)	(27)	(0)	(27)		11,941	16
220	TOTAL		2,363,820	2,222,772	133,319		27,282	138	27,124	(9,846)	(3,556)	(6,291)	(12,682)	(84)	(12,598)		730,314	7,786

## CHANGES IN THE STOCK OF NON-PERFORMING LOANS AND ADVANCES (CR2)

30/06/2023 (in millions of euros)		Gross carrying amount
1	Initial stock of non-performing loans and advances (31/12/2022)	24,793
2	Inflows to non-performing portfolios	5,812
3	Outflows from non-performing portfolios	(5,326)
4	Outflows due to write-offs	
5	Outflow due to other situations	
6	Final stock of non-performing loans and advances (30/06/2023)	25,280

## CREDIT QUALITY OF FORBONE EXPOSURES (CQ1)

30/06/2023 (in millions of euros)		Gross carrying amount/nominal amount of exposures with forbearance measures				Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions		Collateral received and financial guarantees received on forbone exposures	
		Performing forbone	Non-performing forbone			On performing forbone exposures	On non-performing forbone exposures		Of which collateral and financial guarantees received on non-performing exposures with forbearance measures
				Of which defaulted	of which impaired				
005	Cash balances at central banks and other demand deposits	-	-	-	-	-	-	-	-
010	Loans and advances	5,453	8,162	8,102	8,102	(425)	(3,337)	6,690	2,744
020	Central banks	0	-	-	-	-	-	-	-
030	General governments	65	6	6	6	(1)	(5)	0	0
040	Credit institutions	-	46	46	46	-	(26)	-	-
050	Other financial corporations	87	141	141	141	(6)	(75)	108	42
060	Non-financial corporations	3,298	5,480	5,458	5,458	(283)	(2,189)	4,404	2,002
070	Households	2,003	2,490	2,451	2,451	(135)	(1,041)	2,178	700
080	Debt Securities	-	5	5	1	-	(1)	-	-
090	Loan commitments given	394	119	112	112	(26)	(12)	180	24
100	TOTAL	5,847	8,286	8,218	8,214	(451)	(3,349)	6,870	2,768

31/12/2022

31/12/2022		Gross carrying amount/nominal amount of exposures with forbearance measures				Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions		Collateral received and financial guarantees received on forbore exposures	
		Performing forbone	Non-performing forbone		On performing forbone exposures	On non-performing forbone exposures			
				Of which defaulted			of which impaired		
(in millions of euros)									
005	Cash balances at central banks and other demand deposits	-	-	-	-	-	-	-	-
010	Loans and advances	6,169	8,252	8,154	8,154	(459)	(3,275)	6,855	2,682
020	Central banks	0	-	-	-	-	-	-	-
030	General governments	66	4	4	4	(1)	(3)	1	0
040	Credit institutions	-	46	46	46	-	(26)	-	-
050	Other financial corporations	90	116	116	116	(9)	(65)	93	34
060	Non-financial corporations	3,991	5,605	5,542	5,542	(312)	(2,151)	4,545	1,923
070	Households	2,023	2,481	2,446	2,446	(137)	(1,030)	2,217	725
080	Debt Securities	-	5	5	1	-	(1)	-	-
090	Loan commitments given	386	119	112	112	(25)	(12)	189	22
100	TOTAL	6,554	8,376	8,270	8,266	(484)	(3,288)	7,044	2,703



## QUALITY OF NON-PERFORMING EXPOSURES BY GEOGRAPHY (CQ4)

30/06/2023	Gross carrying/nominal amount				Accumulated impairment	Provisions on off-balance-sheet commitments and financial guarantees given	Accumulated negative changes in fair value due to credit risk on non-performing exposures
		Of which non-performing	Of which subject to impairment				
		Of which defaulted					
(in millions of euros)							
On balance sheet exposures	1,422,283	25,400	25,263	1,413,479	(21,276)		-
Europe	1,304,679	22,621	22,489	1,295,954	(19,488)		-
France	1,039,794	16,751	16,706	1,032,215	(14,381)		-
Italy	115,441	3,232	3,219	115,294	(2,530)		-
Germany	28,184	336	336	28,178	(278)		-
Luxembourg	20,247	103	103	19,396	(85)		-
United Kingdom	15,503	60	60	15,593	(101)		-
Spain	11,340	265	264	11,337	(220)		-
Switzerland	14,128	154	154	14,125	(90)		-
Netherland	10,607	139	139	10,607	(159)		-
Poland	11,931	427	413	11,790	(440)		-
Other European countries	37,503	1,153	1,096	37,418	(1,205)		-
Asia and Oceania	43,203	748	748	43,184	(312)		-
Japan	7,561	142	142	7,561	(22)		-
Other Asia and Oceania	35,642	606	606	35,623	(290)		-
North America	37,759	262	262	37,722	(274)		-
USA	30,501	179	179	30,463	(201)		-
Other Northern America	7,259	83	83	7,259	(73)		-
Central and South America	12,768	1,120	1,120	12,748	(699)		-
Africa and Middle East	18,847	648	644	18,845	(501)		-
Rest of the World	5,027	0	-	5,027	(1)		-
Off balance sheet exposures	638,457	1,862	1,857			1,813	
Europe	510,010	1,667	1,662			1,578	
France	365,566	835	835			1,225	
Italy	42,091	301	301			113	
Germany	19,329	8	8			18	
Luxembourg	13,759	0	0			10	
United Kingdom	23,211	0	0			22	
Spain	7,321	25	25			18	
Switzerland	7,563	5	5			5	
Netherland	9,356	405	405			109	
Poland	2,223	22	22			10	
Other European countries	19,591	67	62			49	
Asia and Oceania	26,236	108	108			15	
Japan	6,751	-	-			0	
Other Asia and Oceania	19,484	108	108			15	
North America	85,799	34	34			151	
USA	81,813	5	5			141	
Other Northern America	3,987	29	29			10	
Central and South America	5,159	8	8			38	
Africa and Middle East	8,593	45	45			31	
Rest of the World	2,660	0	0			0	
TOTAL	2,060,740	27,261	27,120	1,413,479	(21,276)	1,813	

31/12/2022

(in millions of euros)

31/12/2022	Gross carrying/nominal amount				Accumulated impairment	Provisions on off-balance-sheet commitments and financial guarantees given	Accumulated negative changes in fair value due to credit risk on non-performing exposures
		Of which non-performing	Of which subject to impairment				
		Of which defaulted					
(in millions of euros)							
On balance sheet exposures	1,398,028	24,911	24,761	1,390,278	(20,662)		-
Europe	1,276,620	21,905	21,756	1,268,942	(18,845)		-
France	1,019,257	15,987	15,961	1,012,788	(13,903)		-
Italy	114,002	3,247	3,211	113,743	(2,452)		-
Germany	28,298	386	386	28,292	(323)		-
Luxembourg	20,850	112	112	20,070	(94)		-
United Kingdom	14,355	50	50	14,406	(84)		-
Spain	8,548	178	176	8,546	(176)		-
Switzerland	14,091	159	159	14,087	(108)		-
Netherland	11,593	122	122	11,593	(167)		-
Poland	10,543	370	358	10,406	(375)		-
Other European countries	35,083	1,294	1,222	35,011	(1,162)		-
Asia and Oceania	46,330	677	677	46,305	(321)		-
Japan	7,691	183	183	7,691	(39)		-
Other Asia and Oceania	38,640	495	495	38,614	(283)		-
North America	38,674	319	319	38,631	(249)		-
USA	31,258	237	237	31,215	(171)		-
Other Northern America	7,416	82	82	7,416	(78)		-
Central and South America	12,488	1,368	1,368	12,487	(736)		-
Africa and Middle East	19,194	642	641	19,192	(508)		-
Rest of the World	4,721	-	0	4,721	(1)		-
Off balance sheet exposures	777,317	2,353	2,349			1,844	
Europe	660,666	2,265	2,262			1,595	
France	538,294	831	830			1,246	
Italy	23,776	904	904			116	
Germany	17,462	1	1			14	
Luxembourg	12,808	0	0			9	
United Kingdom	23,794	0	0			26	
Spain	5,812	27	27			20	
Switzerland	8,884	8	8			10	
Netherland	8,111	415	415			76	
Poland	2,386	12	10			9	
Other European countries	19,339	68	67			70	
Asia and Oceania	26,356	2	2			27	
Japan	4,721	-	-			0	
Other Asia and Oceania	21,635	2	2			26	
North America	71,791	30	30			161	
USA	67,524	0	0			150	
Other Northern America	4,267	30	30			11	
Central and South America	5,318	11	11			33	
Africa and Middle East	10,360	45	45			28	
Rest of the World	2,827	0	0			0	
TOTAL	2,175,345	27,264	27,110	1,390,278	(20,662)	1,844	

## CREDIT QUALITY OF LOANS AND ADVANCES BY INDUSTRY (CQ5)

30/06/2023

30/06/2023		Gross carrying amount				Accumulated impairment	Accumulated negative changes in fair value due to credit risk on non-performing exposures
			Of which non-performing	Of which loans and advances subject to impairment			
			Of which defaulted				
(in millions of euros)							
010	Agriculture, forestry and fishing	38,218	1,271	1,237	38,218	(1,606)	-
020	Mining and quarrying	10,326	428	427	10,326	(384)	-
030	Manufacturing	70,952	1,584	1,567	70,937	(1,132)	-
040	Electricity, gas, steam and air conditioning supply	27,194	367	365	27,194	(346)	-
050	Water supply	3,223	52	51	3,223	(44)	-
060	Construction	16,316	1,056	1,055	16,316	(805)	-
070	Wholesale and retail trade	56,204	2,005	1,994	56,204	(1,711)	-
080	Transport and storage	26,717	1,355	1,354	26,717	(574)	-
090	Accommodation and food service activities	12,831	933	931	12,831	(915)	-
100	Information and communication	15,688	121	121	15,688	(156)	-
105	Financial and insurance activities	30,919	372	370	30,910	(400)	-
110	Real estate activities	91,205	2,103	2,096	91,179	(2,165)	-
120	Professional, scientific and technical activities	25,929	955	952	25,929	(875)	-
130	Administrative and support service activities	12,562	334	334	12,562	(245)	-
140	Public administration and defense, compulsory social security	1,315	11	11	1,315	(12)	-
150	Education	581	43	43	581	(30)	-
160	Human health services and social work activities	6,974	1,508	1,505	6,974	(362)	-
170	Arts, entertainment and recreation	1,699	126	126	1,699	(87)	-
180	Other services	6,556	242	237	6,554	(225)	-
190	TOTAL	455,410	14,865	14,775	455,357	(12,074)	-

31/12/2022

31/12/2022		Gross carrying amount				Accumulated impairment	Accumulated negative changes in fair value due to credit risk on non-performing exposures
			Of which non-performing	Of which loans and advances subject to impairment			
			Of which defaulted				
(in millions of euros)							
010	Agriculture, forestry and fishing	36,853	1,286	1,236	36,853	(1,606)	-
020	Mining and quarrying	11,613	477	477	11,613	(377)	-
030	Manufacturing	74,776	2,025	2,005	74,660	(1,720)	-
040	Electricity, gas, steam and air conditioning supply	27,872	237	236	27,872	(295)	-
050	Water supply	3,076	50	50	3,076	(49)	-
060	Construction	15,788	856	853	15,788	(621)	-
070	Wholesale and retail trade	56,385	1,858	1,843	56,385	(1,597)	-
080	Transport and storage	27,394	1,826	1,824	27,394	(672)	-
090	Accommodation and food service activities	12,802	935	932	12,802	(815)	-
100	Information and communication	14,488	159	158	14,488	(146)	-
105	Financial and insurance activities	26,688	303	303	26,678	(337)	-
110	Real estate activities	87,668	1,981	1,973	87,647	(1,940)	-
120	Professional, scientific and technical activities	25,071	746	744	25,071	(726)	-
130	Administrative and support service activities	11,871	332	332	11,814	(252)	-
140	Public administration and defense, compulsory social security	1,626	11	11	1,626	(15)	-
150	Education	573	28	28	573	(19)	-
160	Human health services and social work activities	6,657	1,262	1,261	6,657	(303)	-
170	Arts, entertainment and recreation	1,618	130	130	1,618	(86)	-
180	Other services	10,621	305	301	10,619	(271)	-
190	TOTAL	453,440	14,806	14,698	453,236	(11,846)	-

In accordance with Implementing Regulation (EU) No. 2021/637, the table (EU CQ5) shows the breakdown of loans and receivables within the scope of non-financial corporations. It does not include other exposures within the scope of financial companies, namely debt securities, assets held for sale and off-balance sheet commitments. It does not take into account all exposures to central governments and central banks, credit institutions and households.

## COLLATERAL OBTAINED BY TAKING POSSESSION AND EXECUTION PROCESSES (CQ7)

		30/06/2023		31/12/2022	
		Collateral obtained by taking possession		Collateral obtained by taking possession	
		Value at initial recognition	Accumulated negative changes	Value at initial recognition	Accumulated negative changes
<i>(in millions of euros)</i>					
010	Property, plant and equipment (PP&E)	0	(0)	0	(0)
020	Other than PP&E	200	(137)	186	(126)
030	<i>Residential immovable property</i>	27	(10)	29	(11)
040	<i>Commercial Immovable property</i>	23	(15)	30	(17)
050	<i>Movable property (auto, shipping, etc.)</i>	147	(112)	125	(97)
060	<i>Equity and debt instruments</i>	-	-	-	-
070	<i>Other collateral</i>	3	(1)	3	(1)
080	<b>TOTAL</b>	<b>201</b>	<b>(137)</b>	<b>187</b>	<b>(126)</b>

## 2.2.2 Credit risk

### 2.2.2.1 Exposures under the standardised approach

#### STANDARDISED APPROACH - CREDIT RISK EXPOSURE AND CRM EFFECTS (CR4)

30/06/2023		Exposures before CCF and before CRM		Exposures post CCF and post CRM		RWA and RWA density	
Exposure classes		On-balance-sheet exposures	Off-balance-sheet exposures	On-balance-sheet exposures	Off-balance-sheet exposures	RWA	RWA density (%)
(in millions of euros)							
1	Central governments or central banks	56,285	55	62,342	12	8,456	13.56%
2	Regional government or local authorities	1,263	414	1,263	58	151	11.47%
3	Public sector entities	4,146	70	5,040	25	264	5.21%
4	Multilateral development banks	355	5	402	0	28	7.01%
5	International organisations	839	-	839	-	-	-
6	Banks (Institutions)	16,885	2,068	32,165	1,077	5,316	15.99%
7	Corporates	73,067	28,714	55,886	5,545	49,815	81.09%
8	Retail	47,052	3,534	39,596	828	27,450	67.91%
9	Secured by mortgages on immovable property	8,555	98	8,549	32	3,362	39.19%
10	Exposures in default	1,540	158	1,381	33	1,721	121.70%
11	Exposures associated with particularly high risk	511	77	511	24	803	150.00%
12	Covered bonds	1,256	-	1,256	-	126	10.00%
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-
14	Collective investment undertakings	7,612	15,286	7,612	4,456	7,112	58.93%
15	Equity	1,991	0	1,991	0	2,251	113.06%
16	Other items	26,576	12	26,576	12	21,132	79.48%
17	<b>Total</b>	<b>247,934</b>	<b>50,490</b>	<b>245,408</b>	<b>12,102</b>	<b>127,988</b>	<b>49.70%</b>

31/12/2022		Exposures before CCF and before CRM		Exposures post CCF and post CRM		RWA and RWA density	
Exposure classes		On-balance-sheet exposures	Off-balance-sheet exposures	On-balance-sheet exposures	Off-balance-sheet exposures	RWA	RWA density (%)
(in millions of euros)							
1	Central governments or central banks	71,376	51	77,559	13	8,063	10.40%
2	Regional government or local authorities	1,148	487	1,148	53	147	12.24%
3	Public sector entities	4,526	82	4,560	13	310	6.78%
4	Multilateral development banks	412	25	452	-	22	4.89%
5	International organisations	912	-	912	-	-	-
6	Banks (Institutions)	18,961	5,771	40,002	3,225	7,330	16.96%
7	Corporates	75,597	29,636	53,271	5,584	47,703	81.05%
8	Retail	35,104	4,092	27,483	920	18,996	66.88%
9	Secured by mortgages on immovable property	10,134	172	10,129	56	3,886	38.16%
10	Exposures in default	1,600	142	1,329	37	1,681	123.05%
11	Exposures associated with particularly high risk	573	85	573	29	903	150.00%
12	Covered bonds	1,130	-	1,130	-	113	10.00%
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-
14	Collective investment undertakings	8,223	14,338	8,223	4,963	6,870	52.10%
15	Equity	1,624	0	1,624	0	1,879	115.65%
16	Other items	27,036	54	27,036	54	20,968	77.40%
17	<b>Total</b>	<b>258,356</b>	<b>54,937</b>	<b>255,431</b>	<b>14,949</b>	<b>118,872</b>	<b>43.97%</b>

## STANDARDISED APPROACH (CR5)

30/06/2023		Risk weight																
Exposure classes		0%	2%	4%	10%	20%	35%	50%	70%	75%	100%	150%	250%	370%	1250%	Others	Total	o/w unrated
(in millions of euros)																		
1	Central governments or central banks	56,979	-	-	-	68	-	0	-	-	2,483	1,101	1,723	-	-	-	62,354	62,354
2	Regional government or local authorities	572	-	-	-	747	-	-	-	-	2	-	-	-	-	-	1,321	1,250
3	Public sector entities	3,953	-	-	-	1,045	-	26	-	-	42	-	-	-	-	-	5,065	4,487
4	Multilateral development banks	374	-	-	-	-	-	-	-	-	28	-	-	-	-	-	402	402
5	International organisations	839	-	-	-	-	-	-	-	-	-	-	-	-	-	-	839	839
6	Banks (Institutions)	15,694	1,792	-	-	12,197	-	1,563	-	-	1,867	129	-	-	-	-	33,242	28,625
7	Corporates	-	-	-	-	8,385	-	5,837	-	-	44,800	2,409	-	-	-	-	61,431	35,245
8	Retail	-	-	-	-	-	715	-	-	39,709	-	-	-	-	-	-	40,424	40,424
9	Secured by mortgages on immovable property	-	-	-	-	-	5,742	2,432	-	406	-	-	-	-	-	-	8,580	8,580
10	Exposures in default	-	-	-	-	-	-	-	-	-	800	614	-	-	-	-	1,414	1,414
11	Exposures associated with particularly high risk	-	-	-	-	-	-	-	-	-	-	535	-	-	-	-	535	535
12	Covered bonds	-	-	-	1,256	-	-	-	-	-	-	-	-	-	-	-	1,256	-
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Collective investment undertakings	4,678	-	1	109	1,764	-	1,827	-	-	3,253	260	-	-	175	-	12,068	11,193
15	Equity	-	-	-	-	-	-	-	-	-	1,818	-	173	-	-	-	1,991	1,991
16	Other items	4,356	-	-	-	1,375	-	-	-	-	20,857	-	-	-	-	-	26,587	26,549
17	TOTAL	87,445	1,792	1	1,365	25,582	6,456	11,686	-	40,115	75,949	5,047	1,897	-	175	-	257,510	223,889

31/12/2022		Risk weight																
Asset classes		0%	2%	4%	10%	20%	35%	50%	70%	75%	100%	150%	250%	370%	1250%	Others	Total	o/w unrated
(in millions of euros)																		
1	Central governments or central banks	72,477	-	-	-	33	-	0	-	-	2,611	683	1,768	-	-	-	77,572	77,572
2	Regional government or local authorities	476	-	-	-	722	-	-	-	-	2	-	-	-	-	-	1,201	1,199
3	Public sector entities	3,227	-	-	-	1,279	-	27	-	-	41	-	-	-	-	-	4,573	3,929
4	Multilateral development banks	426	-	-	-	5	-	-	-	-	21	-	-	-	-	-	452	452
5	International organisations	912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	912	912
6	Banks (Institutions)	21,066	4,147	-	-	9,169	-	6,906	-	-	1,897	42	-	-	-	-	43,227	34,310
7	Corporates	-	-	-	-	6,758	-	7,683	-	-	42,052	2,363	-	-	-	-	58,856	29,617
8	Retail	-	-	-	-	-	666	-	-	27,738	-	-	-	-	-	-	28,404	28,404
9	Secured by mortgages on immovable property	-	-	-	-	-	7,331	2,502	-	352	-	-	-	-	-	-	10,185	10,185
10	Exposures in default	-	-	-	-	-	-	-	-	-	737	630	-	-	-	-	1,366	1,366
11	Exposures associated with particularly high risk	-	-	-	-	-	-	-	-	-	-	602	-	-	-	-	602	602
12	Covered bonds	-	-	-	1,130	-	-	-	-	-	-	-	-	-	-	-	1,130	-
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Collective investment undertakings	5,970	-	1	94	2,058	-	1,906	-	-	2,708	255	-	-	192	-	13,186	11,838
15	Equity	-	-	-	-	-	-	-	-	-	1,455	-	170	-	-	-	1,625	1,625
16	Other items	4,405	-	-	-	2,147	-	-	-	-	20,539	-	-	-	-	-	27,090	26,926
17	TOTAL	108,959	4,147	1	1,224	22,170	7,997	19,024	-	28,090	72,063	4,576	1,938	-	192	-	270,380	228,939

Exposures to the asset classes “Central governments and central banks” and “Banks (institutions)” treated under the standard approach mainly benefit from the application of a 0% weighting coefficient at end-June 2023 and at end-2022. This reflects the quality of activities carried out with high quality counterparties.



## 2.2.2.2 Quality of exposures under the internal ratings-based approach

### CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE FOUNDATION INTERNAL RATINGS-BASED APPROACH AT 30 JUNE 2023 (CR6)

30/06/2023	PD range	On-balance sheet exposures	Off-balance sheet exposures pre-CCF	Exposure weighted average CCF	Exposure post CCF and post CRM	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	Risk weighted exposure amount after supporting factors	Density of risk weighted exposure amount	Expected loss amount	Value adjustments and provisions
(in millions of euros)												
F-IRB												
Central governments and central banks	0.00 to <0.15	203,735	870	60.50%	213,583	-	45.23%	2.50	1,096	0.51%	1	38
	0.00 to <0.10	203,715	870	60.50%	213,567	-	45.23%	2.50	1,090	0.51%	1	38
	0.10 to <0.15	21	-	75.00%	16	0.12%	45.00%	2.50	6	34.97%	-	-
	0.15 to <0.25	744	9	63.37%	750	0.16%	45.00%	2.50	309	41.13%	1	1
	0.25 to <0.50	138	2	71.57%	146	0.32%	44.96%	2.50	87	59.49%	-	-
	0.50 to <0.75	60	20	20.77%	64	0.60%	47.22%	2.50	54	83.92%	-	-
	0.75 to <2.50	72	5	37.39%	61	0.94%	45.00%	2.50	58	94.56%	-	-
	0.75 to <1.75	72	5	37.39%	61	0.94%	45.00%	2.50	58	94.56%	-	-
	1.75 to <2.5	-	-	-	-	-	-	-	-	-	-	-
	2.50 to <10.00	11	1	61.97%	15	3.33%	45.00%	2.50	22	139.78%	-	-
	2.5 to <5	10	1	61.97%	14	3.00%	45.00%	2.50	20	136.14%	-	-
	5 to <10	1	-	-	1	8.00%	45.00%	2.50	2	192.12%	-	-
	10.00 to <100.00	6	1	78.21%	7	20.31%	45.00%	2.50	17	253.21%	1	-
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	6	1	78.21%	7	20.31%	45.00%	2.50	17	253.21%	1	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	100.00%	45.05%	2.50	-	-	-	-
	<b>Sub-total</b>	<b>204,766</b>	<b>909</b>	<b>59.54%</b>	<b>214,626</b>	<b>-</b>	<b>45.23%</b>	<b>2.50</b>	<b>1,641</b>	<b>0.77%</b>	<b>3</b>	<b>40</b>
Institutions	0.00 to <0.15	45,507	3,257	54.30%	48,946	0.04%	41.61%	2.50	7,891	16.12%	7	20
	0.00 to <0.10	43,073	3,217	54.27%	46,489	0.04%	42.77%	2.50	7,445	16.01%	7	19
	0.10 to <0.15	2,434	41	56.45%	2,457	0.11%	19.79%	2.50	446	18.14%	1	-
	0.15 to <0.25	1,214	188	50.98%	1,380	0.17%	40.09%	2.50	534	38.73%	1	2
	0.25 to <0.50	656	28	48.71%	680	0.30%	44.44%	2.50	455	66.89%	1	1
	0.50 to <0.75	299	31	57.22%	320	0.60%	43.12%	2.50	262	81.68%	1	1
	0.75 to <2.50	247	72	50.31%	284	1.04%	44.92%	2.50	294	103.61%	1	3
	0.75 to <1.75	240	67	50.29%	274	1.01%	44.91%	2.50	280	102.32%	1	3
	1.75 to <2.5	7	5	50.55%	10	1.91%	45.00%	2.50	14	139.04%	-	-
	2.50 to <10.00	19	12	44.06%	24	3.45%	44.93%	2.50	35	146.01%	-	1
	2.5 to <5	14	9	50.00%	18	3.00%	44.91%	2.50	25	135.96%	-	1
	5 to <10	5	3	27.44%	5	5.00%	45.00%	2.50	10	180.23%	-	-
	10.00 to <100.00	158	3	37.03%	153	19.14%	44.78%	2.50	384	250.78%	13	1
	10 to <20	19	-	50.00%	19	12.00%	45.00%	2.50	43	223.12%	1	-
	20 to <30	139	3	36.37%	134	20.16%	44.75%	2.50	341	254.73%	12	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	14	-	-	14	100.00%	45.00%	2.50	-	-	6	7
	<b>Sub-total</b>	<b>48,115</b>	<b>3,591</b>	<b>53.98%</b>	<b>51,800</b>	<b>0.14%</b>	<b>41.65%</b>	<b>2.50</b>	<b>9,854</b>	<b>19.02%</b>	<b>31</b>	<b>36</b>
Corporates - SME	0.00 to <0.15	1,390	678	48.83%	1,649	0.07%	43.24%	2.50	294	17.84%	1	2
	0.00 to <0.10	890	308	38.44%	1,010	0.04%	44.10%	2.50	139	13.76%	-	1
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	100	9	67.15%	102	0.16%	44.93%	2.50	33	32.27%	-	-
	0.25 to <0.50	4,309	2,397	52.06%	4,818	0.41%	42.46%	2.50	2,149	44.59%	8	38
	0.50 to <0.75	182	28	53.40%	195	0.60%	42.25%	2.50	110	56.18%	-	1
	0.75 to <2.50	7,664	1,931	63.38%	6,795	1.16%	42.41%	2.50	4,477	65.88%	34	148
	0.75 to <1.75	7,399	1,893	63.13%	6,504	1.13%	42.32%	2.50	4,214	64.80%	31	137
	1.75 to <2.5	265	38	75.68%	290	1.92%	44.36%	2.50	262	90.31%	2	11
	2.50 to <10.00	3,503	694	66.74%	2,531	4.34%	42.33%	2.50	2,357	93.11%	47	189
	2.5 to <5	2,910	571	67.62%	2,231	3.83%	42.25%	2.50	1,999	89.64%	36	152
	5 to <10	593	123	62.65%	301	8.18%	42.96%	2.50	357	118.86%	11	38
	10.00 to <100.00	590	145	61.39%	387	19.23%	43.27%	2.50	622	160.70%	32	59
	10 to <20	229	45	63.09%	140	14.56%	43.39%	2.50	207	148.39%	9	26
	20 to <30	361	101	60.63%	247	21.87%	43.20%	2.50	415	167.64%	23	33
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	670	108	70.39%	292	100.00%	44.14%	2.50	-	-	129	216
	<b>Sub-total</b>	<b>18,409</b>	<b>5,991</b>	<b>57.63%</b>	<b>16,769</b>	<b>3.44%</b>	<b>42.56%</b>	<b>2.50</b>	<b>10,041</b>	<b>59.88%</b>	<b>251</b>	<b>654</b>
Corporates - Specialised Lending	0.00 to <0.15	157	64	53.58%	191	0.06%	42.24%	2.50	40	20.96%	-	-
	0.00 to <0.10	157	64	53.58%	191	0.06%	42.24%	2.50	40	20.96%	-	-
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	567	123	72.98%	655	0.16%	43.39%	2.50	256	39.13%	-	1
	0.25 to <0.50	1,129	239	74.14%	1,295	0.31%	43.87%	2.50	730	56.41%	2	3
	0.50 to <0.75	923	180	69.89%	1,047	0.60%	43.86%	2.50	811	77.43%	3	4
	0.75 to <2.50	883	107	75.48%	960	1.12%	43.75%	2.50	909	94.74%	5	14
	0.75 to <1.75	773	64	75.54%	817	0.98%	43.91%	2.50	747	91.35%	4	12
	1.75 to <2.5	110	43	75.38%	142	1.90%	42.84%	2.50	163	114.23%	1	2
	2.50 to <10.00	61	7	70.65%	65	4.90%	39.75%	2.50	90	137.48%	1	6
	2.5 to <5	3	-	-	3	3.00%	45.00%	2.50	3	102.11%	-	-
	5 to <10	58	7	70.65%	62	5.00%	39.48%	2.50	86	139.34%	1	6
	10.00 to <100.00	42	13	75.00%	52	20.00%	42.52%	2.50	124	238.59%	4	4
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	42	13	75.00%	52	20.00%	42.52%	2.50	124	238.59%	4	4
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	23	-	-	23	100.00%	45.00%	2.50	-	-	10	1
	<b>Sub-total</b>	<b>3,786</b>	<b>733</b>	<b>71.28%</b>	<b>4,288</b>	<b>1.36%</b>	<b>43.62%</b>	<b>2.50</b>	<b>2,961</b>	<b>69.06%</b>	<b>26</b>	<b>34</b>

Corporates - Other	0.00 to <0.15	21,021	10,855	61.83%	27,755	0.05%	45.23%	2.52	5,921	21.34%	7	17
	0.00 to <0.10	17,518	8,120	63.23%	22,473	0.04%	45.59%	2.53	4,073	18.13%	4	11
	0.10 to <0.15	3,503	2,735	57.69%	5,282	0.12%	43.70%	2.48	1,848	34.99%	3	7
	0.15 to <0.25	1,424	284	70.68%	1,668	0.16%	44.05%	2.50	704	42.20%	1	2
	0.25 to <0.50	7,946	6,039	53.35%	9,769	0.36%	44.13%	2.50	6,035	61.78%	15	53
	0.50 to <0.75	513	202	67.45%	644	0.60%	44.53%	2.50	531	82.37%	2	4
	0.75 to <2.50	6,305	3,470	62.25%	5,700	1.10%	44.10%	2.50	5,600	98.25%	28	146
	0.75 to <1.75	5,685	3,249	61.30%	4,954	0.97%	44.01%	2.50	4,704	94.96%	21	114
	1.75 to <2.5	620	221	76.23%	746	1.92%	44.69%	2.50	896	120.08%	6	32
	2.50 to <10.00	2,150	1,050	61.58%	1,565	4.58%	43.63%	2.50	2,337	149.33%	31	114
	2.5 to <5	1,585	657	58.72%	1,295	3.78%	43.43%	2.50	1,823	140.75%	21	71
	5 to <10	566	393	66.36%	270	8.43%	44.58%	2.50	514	190.54%	10	43
	10.00 to <100.00	581	204	61.26%	480	22.82%	48.68%	2.73	1,239	257.94%	49	23
	10 to <20	90	25	34.86%	10	14.50%	44.62%	2.50	24	231.30%	1	4
	20 to <30	491	179	64.90%	470	23.00%	48.77%	2.74	1,215	258.53%	48	19
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	600	195	47.79%	346	100.00%	44.96%	2.50	-	-	174	195
Sub-total		40,539	22,298	59.62%	47,926	1.35%	44.80%	2.51	22,367	46.67%	307	554
TOTAL (all exposures classes)		315,615	33,522	58.92%	335,410			2.50	46,864	13.97%	618	1,318

# CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE

## FOUNDATION INTERNAL RATINGS-BASED APPROACH AT 31 DECEMBER 2022 (CR6)

31/12/2022	PD range	On-balance sheet exposures	Off-balance-sheet exposures pre-CCF	Exposure weighted average CCF	Exposure post CCF and post CRM	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	Risk weighted exposure amount after supporting factors	Density of risk weighted exposure amount	Expected loss amount	Value adjustments and provisions
(in millions of euros)												
F-IRB												
Central governments and central banks	0.00 to <0.15	222,694	835	56.40%	234,218	-	45.21%	2.50	927	0.40%	1	34
	0.00 to <0.10	222,675	835	56.40%	234,205	-	45.21%	2.50	922	0.39%	1	34
	0.10 to <0.15	19	-	75.00%	13	0.12%	45.00%	2.50	5	34.94%	-	-
	0.15 to <0.25	688	9	75.00%	694	0.16%	45.00%	2.50	286	41.13%	-	1
	0.25 to <0.50	141	7	63.05%	152	0.33%	44.96%	2.50	91	59.73%	-	-
	0.50 to <0.75	21	-	59.38%	22	0.60%	45.00%	2.50	17	79.99%	-	-
	0.75 to <2.50	67	2	68.40%	55	0.98%	45.00%	2.50	53	95.92%	-	-
	0.75 to <1.75	67	2	68.40%	55	0.98%	45.00%	2.50	53	95.92%	-	-
	1.75 to <2.5	-	-	0.00%	-	-	-	-	-	-	-	-
	2.50 to <10.00	10	1	98.26%	10	3.53%	45.00%	2.50	15	141.61%	-	-
	2.5 to <5	9	1	98.26%	9	3.00%	45.00%	2.50	13	136.14%	-	-
	5 to <10	1	-	0.00%	1	8.00%	45.00%	2.50	2	188.21%	-	-
	10.00 to <100.00	28	-	50.00%	28	20.02%	45.00%	2.50	71	252.54%	3	-
	10 to <20	-	-	0.00%	-	15.00%	45.00%	2.50	-	234.83%	-	-
	20 to <30	28	-	50.00%	28	20.05%	45.00%	2.50	70	252.64%	3	-
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	0.00%	-	100.00%	45.08%	2.50	-	-	-	-
	<b>Sub-total</b>	<b>223,648</b>	<b>854</b>	<b>56.70%</b>	<b>235,180</b>	<b>-</b>	<b>45.21%</b>	<b>2.50</b>	<b>1,458</b>	<b>0.62%</b>	<b>4</b>	<b>36</b>
Institutions	0.00 to <0.15	46,156	3,526	51.16%	49,571	0.04%	41.81%	2.50	8,014	16.17%	7	23
	0.00 to <0.10	43,790	3,491	51.04%	47,181	0.04%	43.03%	2.50	7,611	16.13%	7	22
	0.10 to <0.15	2,366	35	63.17%	2,390	0.11%	17.57%	2.50	403	16.88%	-	-
	0.15 to <0.25	1,237	108	61.75%	1,376	0.18%	38.20%	2.50	514	37.34%	1	2
	0.25 to <0.50	631	32	55.79%	688	0.31%	44.46%	2.50	471	68.52%	1	2
	0.50 to <0.75	287	25	64.07%	306	0.60%	43.03%	2.50	247	80.88%	1	2
	0.75 to <2.50	485	65	49.16%	515	1.19%	44.95%	2.50	583	113.24%	3	4
	0.75 to <1.75	456	57	49.61%	483	1.14%	44.95%	2.50	543	112.43%	2	4
	1.75 to <2.5	29	8	45.86%	32	1.90%	45.00%	2.50	40	125.34%	-	1
	2.50 to <10.00	30	4	33.20%	31	4.86%	45.00%	2.50	57	185.70%	1	-
	2.5 to <5	3	-	92.20%	3	3.58%	45.00%	2.50	4	143.07%	-	-
	5 to <10	27	3	25.45%	28	5.00%	45.00%	2.50	53	190.42%	1	-
	10.00 to <100.00	57	2	58.44%	57	19.73%	44.87%	2.50	150	262.28%	5	-
	10 to <20	2	-	50.00%	2	12.05%	44.95%	2.50	5	253.97%	-	-
	20 to <30	55	1	60.14%	55	20.02%	44.87%	2.50	145	262.59%	5	-
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	28	-	75.00%	28	100.00%	45.00%	2.50	-	-	13	11
	<b>Sub-total</b>	<b>48,911</b>	<b>3,761</b>	<b>51.54%</b>	<b>52,573</b>	<b>0.14%</b>	<b>41.79%</b>	<b>2.50</b>	<b>10,037</b>	<b>19.09%</b>	<b>31</b>	<b>43</b>
Corporates - SME	0.00 to <0.15	3,824	1,425	56.36%	4,503	0.10%	43.42%	2.50	928	20.60%	2	13
	0.00 to <0.10	1,170	548	43.67%	1,410	0.04%	44.18%	2.50	189	13.42%	-	2
	0.10 to <0.15	-	-	0.00%	-	-	-	-	-	-	-	-
	0.15 to <0.25	26	5	63.53%	25	0.16%	44.11%	2.50	7	28.63%	-	-
	0.25 to <0.50	14,389	4,560	57.64%	16,109	0.39%	42.96%	2.50	6,944	43.11%	27	121
	0.50 to <0.75	83	13	57.07%	89	0.60%	44.29%	2.50	53	60.24%	-	1
	0.75 to <2.50	22,452	4,568	65.03%	22,944	1.11%	42.59%	2.50	14,753	64.30%	108	395
	0.75 to <1.75	22,181	4,527	64.95%	22,643	1.10%	42.56%	2.50	14,483	63.96%	106	383
	1.75 to <2.5	271	41	74.04%	301	1.92%	44.50%	2.50	270	89.59%	3	12
	2.50 to <10.00	8,886	1,397	66.77%	8,184	4.16%	42.47%	2.50	7,478	91.37%	145	425
	2.5 to <5	7,081	1,146	66.87%	6,661	3.28%	42.44%	2.50	5,730	86.02%	93	299
	5 to <10	1,805	250	66.32%	1,523	7.99%	42.64%	2.50	1,748	114.77%	52	126
	10.00 to <100.00	1,266	255	65.77%	1,121	19.59%	42.55%	2.50	1,742	155.41%	94	118
	10 to <20	429	74	63.10%	336	14.63%	42.44%	2.50	483	143.76%	21	36
	20 to <30	837	180	66.87%	785	21.71%	42.59%	2.50	1,259	160.40%	73	81
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	1,790	206	70.03%	1,545	100.00%	44.15%	2.50	-	-	683	1,086
	<b>Sub-total</b>	<b>52,717</b>	<b>12,428</b>	<b>61.61%</b>	<b>54,520</b>	<b>4.45%</b>	<b>42.80%</b>	<b>2.50</b>	<b>31,905</b>	<b>58.52%</b>	<b>1,058</b>	<b>2,158</b>
Corporates - Specialised Lending	0.00 to <0.15	157	76	56.45%	200	0.06%	42.01%	2.50	43	21.27%	-	-
	0.00 to <0.10	157	65	53.29%	192	0.06%	42.17%	2.50	40	20.90%	-	-
	0.10 to <0.15	-	11	75.00%	8	0.12%	38.33%	2.50	2	29.76%	-	-
	0.15 to <0.25	692	125	52.56%	752	0.16%	43.10%	2.50	291	38.64%	1	3
	0.25 to <0.50	1,139	257	75.06%	1,321	0.31%	43.97%	2.50	748	56.60%	2	4
	0.50 to <0.75	731	213	69.93%	880	0.60%	43.76%	2.50	680	77.23%	2	5
	0.75 to <2.50	883	101	75.22%	953	1.12%	43.71%	2.50	899	94.37%	5	24
	0.75 to <1.75	755	51	75.11%	790	0.96%	43.92%	2.50	713	90.33%	3	20
	1.75 to <2.5	128	51	75.33%	163	1.90%	42.71%	2.50	186	113.89%	1	4
	2.50 to <10.00	51	18	73.74%	63	4.70%	40.94%	2.50	87	137.48%	1	1
	2.5 to <5	10	-	74.97%	10	3.00%	44.15%	2.50	10	109.37%	-	-
	5 to <10	41	18	73.74%	54	5.00%	40.36%	2.50	77	142.48%	1	1
	10.00 to <100.00	62	22	75.00%	79	17.63%	42.84%	2.50	182	231.02%	6	1
	10 to <20	20	5	75.00%	23	12.00%	41.91%	2.50	48	203.48%	1	1
	20 to <30	43	17	75.00%	55	20.00%	43.23%	2.50	135	242.62%	5	-
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	23	-	0.00%	23	100.00%	45.00%	2.50	-	-	10	1
	<b>Sub-total</b>	<b>3,739</b>	<b>813</b>	<b>68.50%</b>	<b>4,270</b>	<b>1.43%</b>	<b>43.56%</b>	<b>2.50</b>	<b>2,929</b>	<b>68.58%</b>	<b>27</b>	<b>40</b>
Corporates - Other	0.00 to <0.15	37,238	22,043	65.39%	51,616	0.06%	45.04%	2.51	12,034	23.32%	15	74
	0.00 to <0.10	26,363	15,411	66.56%	36,115	0.04%	45.34%	2.52	6,605	18.29%	6	37

	0.10 to <0.15	10,876	6,632	62.68%	15,501	0.12%	44.34%	2.50	5,429	35.02%	8	37
	0.15 to <0.25	949	196	75.78%	1,081	0.16%	40.73%	2.50	425	39.29%	1	1
	0.25 to <0.50	25,143	12,496	60.94%	31,253	0.35%	44.19%	2.50	19,177	61.36%	49	188
	0.50 to <0.75	761	299	73.43%	982	0.60%	44.79%	2.50	827	84.21%	3	5
	0.75 to <2.50	17,955	6,705	64.59%	19,139	1.06%	43.97%	2.50	18,602	97.20%	89	409
	0.75 to <1.75	17,395	6,438	64.16%	18,431	1.02%	43.94%	2.50	17,751	96.31%	83	387
	1.75 to <2.5	560	267	74.83%	708	1.92%	44.64%	2.50	851	120.23%	6	22
	2.50 to <10.00	4,576	1,801	66.67%	4,174	4.38%	43.80%	2.50	6,199	148.51%	80	216
	2.5 to <5	3,347	1,095	63.87%	3,121	3.28%	43.69%	2.50	4,256	136.36%	45	158
	5 to <10	1,229	706	71.02%	1,053	7.67%	44.16%	2.50	1,943	184.53%	36	58
	10.00 to <100.00	784	202	63.76%	668	20.38%	44.03%	2.50	1,680	251.56%	60	70
	10 to <20	230	64	51.22%	145	16.02%	43.98%	2.50	339	233.95%	10	23
	20 to <30	554	138	69.63%	523	21.59%	44.05%	2.50	1,340	256.44%	50	47
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	2,601	262	66.48%	2,399	100.00%	44.63%	2.50	-	-	1,090	1,096
	<b>Sub-total</b>	<b>90,007</b>	<b>44,004</b>	<b>64.16%</b>	<b>111,311</b>	<b>2.76%</b>	<b>44.51%</b>	<b>2.51</b>	<b>58,944</b>	<b>52.95%</b>	<b>1,385</b>	<b>2,058</b>
<b>TOTAL (all exposures classes)</b>		<b>419,023</b>	<b>61,860</b>	<b>62.83%</b>	<b>457,853</b>			<b>2.50</b>	<b>105,273</b>	<b>22.99%</b>	<b>2,506</b>	<b>4,334</b>

# CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE ADVANCED INTERNAL RATINGS-BASED APPROACH AT 30 JUNE 2023 (CR6)

30/06/2023	PD range	On-balance sheet exposures	Off-balance sheet exposures pre-CCF	Exposure weighted average CCF	Exposure post CCF and post CRM	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	Risk weighted exposure amount after supporting factors	Density of risk weighted exposure amount	Expected loss amount	Value adjustments and provisions
(in millions of euros)												
A-IRB												
Central governments and central banks	0.00 to <0.15	101,371	2,376	63.06%	119,354	0.01%	8.12%	1.70	627	0.53%	1	8
	0.00 to <0.10	101,371	2,376	63.06%	119,354	0.01%	8.12%	1.70	627	0.53%	1	8
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	67	1	50.00%	4,360	0.16%	9.69%	3.43	464	10.65%	3	-
	0.25 to <0.50	144	-	-	186	0.30%	10.00%	2.51	24	12.83%	0	0
	0.50 to <0.75	1,154	620	75.00%	905	0.60%	10.00%	1.75	142	15.64%	1	5
	0.75 to <2.50	457	379	75.00%	30	1.83%	45.00%	4.22	43	141.70%	0	1
	0.75 to <1.75	67	7	75.00%	3	1.25%	45.00%	4.89	5	138.07%	0	0
	1.75 to <2.5	390	372	75.00%	27	1.90%	45.00%	4.14	38	142.15%	0	1
	2.50 to <10.00	1,069	995	75.00%	85	5.00%	60.00%	4.55	209	246.40%	3	2
	2.5 to <5	-	-	-	-	-	-	-	-	-	-	-
	5 to <10	1,069	995	75.00%	85	5.00%	60.00%	4.55	209	246.40%	3	2
	10.00 to <100.00	366	279	75.02%	116	14.05%	63.70%	1.47	355	306.17%	11	2
	10 to <20	124	-	-	86	12.00%	60.53%	1.04	233	270.21%	6	-
	20 to <30	242	279	75.02%	30	20.00%	72.89%	2.72	122	410.27%	4	2
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	126	-	-	32	100.00%	45.00%	4.76	0	1.10%	19	19
	Sub-total	104,754	4,650	68.90%	125,069	0.06%	8.30%	1.77	1,864	1.49%	38	37
Institutions	0.00 to <0.15	9,712	4,106	52.09%	16,417	0.05%	32.77%	1.66	1,380	8.41%	2	4
	0.00 to <0.10	9,140	2,766	60.01%	15,252	0.05%	32.47%	1.66	1,088	7.14%	2	4
	0.10 to <0.15	572	1,340	35.72%	1,165	0.11%	36.69%	1.70	292	25.06%	0	0
	0.15 to <0.25	2,276	2,345	62.91%	1,060	0.20%	47.99%	1.68	503	47.43%	1	6
	0.25 to <0.50	279	707	29.28%	489	0.30%	50.85%	1.73	359	73.45%	1	1
	0.50 to <0.75	50	273	24.50%	92	0.60%	43.81%	1.91	78	84.83%	0	0
	0.75 to <2.50	897	841	32.12%	1,120	0.89%	21.87%	1.11	517	46.13%	3	2
	0.75 to <1.75	870	582	23.70%	993	0.76%	18.80%	1.02	342	34.42%	1	1
	1.75 to <2.5	27	259	51.09%	127	1.90%	45.91%	1.81	175	137.80%	1	1
	2.50 to <10.00	105	197	31.13%	40	5.00%	53.02%	0.76	77	192.07%	1	0
	2.5 to <5	-	-	-	-	-	-	-	-	-	-	-
	5 to <10	105	197	31.13%	40	5.00%	53.02%	0.76	77	192.07%	1	0
	10.00 to <100.00	30	23	21.22%	34	12.25%	71.39%	1.59	130	377.69%	3	0
	10 to <20	29	22	21.24%	33	12.00%	72.05%	1.51	126	379.16%	3	0
	20 to <30	1	0	19.06%	1	20.00%	50.90%	4.02	4	331.94%	0	0
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	185	216	6.67%	386	100.00%	44.96%	1.37	21	5.32%	346	378
	Sub-total	13,535	8,706	48.68%	19,639	2.12%	33.82%	1.62	3,065	15.60%	357	383
Corporates - SME	0.00 to <0.15	4,785	1,034	73.73%	5,554	0.11%	43.89%	2.47	1,260	22.68%	3	12
	0.00 to <0.10	539	473	80.45%	924	0.04%	43.78%	2.29	125	13.53%	0	2
	0.10 to <0.15	4,246	561	68.05%	4,630	0.13%	43.91%	2.50	1,135	24.50%	3	10
	0.15 to <0.25	7,442	250	64.72%	7,610	0.18%	44.44%	2.50	2,295	30.16%	6	10
	0.25 to <0.50	17,961	2,283	66.47%	19,477	0.39%	43.43%	2.50	8,474	43.51%	33	109
	0.50 to <0.75	81	14	74.81%	91	0.52%	44.74%	2.52	51	55.59%	0	0
	0.75 to <2.50	23,662	3,134	66.13%	25,724	1.14%	42.92%	2.50	16,897	65.69%	126	400
	0.75 to <1.75	22,223	3,008	65.75%	24,190	1.08%	42.83%	2.50	15,643	64.67%	112	361
	1.75 to <2.5	1,438	125	75.27%	1,533	2.05%	44.34%	2.50	1,254	81.78%	14	40
	2.50 to <10.00	8,938	886	66.45%	9,534	4.49%	42.49%	2.50	9,155	96.02%	183	521
	2.5 to <5	6,093	655	65.39%	6,527	3.21%	41.95%	2.50	5,653	86.61%	88	293
	5 to <10	2,845	232	69.43%	3,007	7.25%	43.68%	2.49	3,502	116.45%	95	228
	10.00 to <100.00	1,755	200	67.68%	1,889	20.97%	40.77%	2.56	2,850	150.91%	160	256
	10 to <20	986	56	65.83%	1,025	14.76%	42.19%	2.50	1,528	149.02%	65	125
	20 to <30	539	117	67.11%	612	21.84%	41.26%	2.70	979	159.89%	55	46
	30.00 to <100.00	231	27	73.95%	251	44.23%	33.76%	2.50	343	136.77%	40	85
	100.00 (Default)	2,056	116	65.18%	2,133	100.00%	44.53%	2.50	201	9.41%	949	1,362
	Sub-total	66,679	7,916	67.25%	72,012	4.65%	43.23%	2.50	41,182	57.19%	1,460	2,671
Corporates - Specialised Lending	0.00 to <0.15	1,435	1,046	42.50%	1,835	0.07%	11.94%	3.41	210	11.47%	1	3
	0.00 to <0.10	1,199	643	47.23%	1,434	0.05%	10.69%	3.41	151	10.52%	1	3
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	6,899	1,311	60.35%	7,268	0.16%	10.33%	3.51	794	10.93%	1	2
	0.25 to <0.50	13,615	5,621	49.18%	14,438	0.31%	13.03%	3.17	2,520	17.45%	6	11
	0.50 to <0.75	7,728	1,917	63.55%	7,110	0.60%	12.29%	3.48	1,723	24.23%	5	10
	0.75 to <2.50	12,665	5,535	55.27%	10,484	1.09%	13.63%	3.41	3,472	33.12%	16	48
	0.75 to <1.75	9,721	3,839	52.20%	8,941	0.96%	13.63%	3.41	2,868	32.08%	12	25
	1.75 to <2.5	2,944	1,696	62.21%	1,544	1.90%	13.66%	3.40	604	39.12%	4	24
	2.50 to <10.00	1,481	536	60.89%	1,424	4.22%	18.35%	3.14	879	61.70%	12	38
	2.5 to <5	638	378	56.54%	738	3.00%	14.77%	3.36	354	47.92%	3	5
	5 to <10	843	158	71.25%	687	5.53%	22.19%	2.90	525	76.51%	8	34
	10.00 to <100.00	2,282	691	66.58%	2,136	14.89%	15.77%	3.57	1,783	83.47%	47	107
	10 to <20	1,507	367	73.88%	1,405	12.23%	19.24%	3.45	1,384	98.54%	33	68
	20 to <30	775	325	58.34%	731	20.00%	9.10%	3.80	398	54.51%	13	39
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	2,142	75	63.29%	1,677	100.00%	35.12%	2.58	173	10.32%	585	585
	Sub-total	48,246	16,732	54.45%	46,373	4.90%	13.68%	3.33	11,555	24.92%	672	804
Corporates - Other	0.00 to <0.15	56,929	94,365	65.51%	115,656	0.06%	36.46%	2.28	21,433	18.53%	21	83

	0.00 to <0.10	40,551	82,666	60.66%	94,003	0.04%	35.40%	2.27	13,557	14.42%	14	54
	0.10 to <0.15	16,378	11,699	99.80%	21,652	0.12%	41.03%	2.32	7,876	36.38%	6	29
	0.15 to <0.25	594	2,057	56.72%	2,126	0.15%	35.84%	2.62	772	36.30%	1	2
	0.25 to <0.50	28,689	33,390	63.86%	43,615	0.35%	41.64%	2.59	25,663	58.84%	47	195
	0.50 to <0.75	263	202	97.07%	326	0.59%	53.67%	2.97	332	101.81%	1	2
	0.75 to <2.50	21,885	12,968	65.77%	25,692	1.02%	41.44%	2.50	23,833	92.76%	113	538
	0.75 to <1.75	21,312	12,001	65.45%	24,553	0.98%	40.50%	2.47	21,799	88.79%	99	509
	1.75 to <2.5	573	967	69.81%	1,140	1.89%	61.64%	3.25	2,034	178.42%	14	29
	2.50 to <10.00	7,979	2,260	65.04%	6,517	4.51%	43.46%	2.31	9,658	148.20%	130	550
	2.5 to <5	4,936	1,371	60.83%	4,544	3.08%	43.56%	2.37	6,075	133.68%	62	227
	5 to <10	3,043	889	71.54%	1,972	7.81%	43.24%	2.18	3,583	181.64%	68	323
	10.00 to <100.00	1,413	944	95.79%	1,479	17.72%	40.25%	2.51	2,865	193.70%	108	184
	10 to <20	380	711	85.09%	791	13.78%	37.68%	2.43	1,553	196.42%	43	46
	20 to <30	1,021	233	128.47%	676	22.01%	43.40%	2.61	1,287	190.55%	64	135
	30.00 to <100.00	13	0	-	13	34.03%	32.91%	2.50	25	191.50%	1	2
	100.00 (Default)	3,689	611	37.34%	3,824	100.00%	45.04%	2.42	12	0.31%	2,439	2,478
	Sub-total	121,441	146,797	65.15%	199,235	2.44%	38.68%	2.39	84,568	42.45%	2,859	4,032
Retail - Secured by immovable property SME	0.00 to <0.15	2,219	64	100.68%	2,283	0.13%	23.14%	1.00	125	5.47%	1	3
	0.00 to <0.10	-	-	-	-	-	-	-	-	-	-	-
	0.10 to <0.15	2,219	64	100.68%	2,283	0.13%	23.14%	1.00	125	5.47%	1	3
	0.15 to <0.25	4,297	112	100.67%	4,410	0.22%	21.10%	1.00	363	8.23%	2	9
	0.25 to <0.50	6,170	208	100.21%	6,379	0.40%	21.60%	1.00	747	11.71%	5	27
	0.50 to <0.75	2,362	35	100.00%	2,397	0.52%	10.25%	1.00	246	10.27%	2	2
	0.75 to <2.50	7,348	404	99.95%	7,752	1.21%	21.47%	1.00	2,010	25.93%	21	107
	0.75 to <1.75	6,404	383	99.94%	6,787	1.09%	22.55%	1.00	1,760	25.94%	18	85
	1.75 to <2.5	944	21	100.00%	965	2.06%	13.84%	1.00	250	25.89%	3	22
	2.50 to <10.00	3,784	202	100.00%	3,985	5.31%	23.72%	1.00	2,833	71.10%	56	281
	2.5 to <5	1,951	123	100.00%	2,074	3.71%	24.98%	1.00	1,313	63.30%	21	118
	5 to <10	1,833	79	100.00%	1,912	7.06%	22.34%	1.00	1,521	79.55%	35	163
	10.00 to <100.00	1,022	41	100.00%	1,063	18.99%	20.42%	1.00	1,103	103.72%	49	144
	10 to <20	827	34	100.00%	861	15.54%	21.40%	1.00	874	101.56%	33	111
	20 to <30	73	0	100.00%	73	26.45%	10.03%	1.00	77	105.81%	4	7
	30.00 to <100.00	123	7	100.00%	130	37.63%	19.78%	1.00	152	116.78%	12	26
	100.00 (Default)	681	2	13.05%	682	100.00%	47.28%	1.00	220	32.29%	379	339
	Sub-total	27,884	1,066	99.99%	28,951	4.28%	21.52%	1.00	7,648	26.42%	515	912
Retail - Secured by immovable property non SME	0.00 to <0.15	279,421	8,293	99.98%	287,713	0.07%	12.87%	1.00	6,849	2.38%	25	60
	0.00 to <0.10	196,880	5,637	100.00%	202,517	0.05%	12.08%	1.00	3,349	1.65%	11	21
	0.10 to <0.15	82,542	2,656	99.95%	85,196	0.11%	14.72%	1.00	3,500	4.11%	14	39
	0.15 to <0.25	56,841	1,737	99.96%	58,578	0.22%	11.83%	1.00	4,388	7.49%	21	58
	0.25 to <0.50	40,070	1,599	100.00%	41,669	0.36%	14.06%	1.00	4,075	9.78%	22	84
	0.50 to <0.75	17,559	884	99.96%	18,443	0.69%	14.23%	1.00	2,913	15.80%	19	83
	0.75 to <2.50	27,815	1,087	99.89%	28,901	1.41%	16.26%	1.00	8,177	28.29%	69	350
	0.75 to <1.75	26,647	1,058	99.88%	27,705	1.38%	16.49%	1.00	7,815	28.21%	66	333
	1.75 to <2.5	1,168	28	100.00%	1,196	2.15%	10.80%	1.00	362	30.22%	4	17
	2.50 to <10.00	17,066	620	100.00%	17,686	5.47%	16.10%	1.00	11,406	64.50%	171	620
	2.5 to <5	10,965	351	100.00%	11,315	4.08%	15.53%	1.00	6,352	56.14%	82	362
	5 to <10	6,101	269	100.00%	6,370	7.95%	17.11%	1.00	5,054	79.34%	88	258
	10.00 to <100.00	3,681	92	100.00%	3,773	19.25%	17.30%	1.00	4,234	112.23%	146	309
	10 to <20	2,789	66	100.00%	2,855	15.00%	17.37%	1.00	3,118	109.22%	83	202
	20 to <30	406	18	100.00%	425	24.98%	13.81%	1.00	485	114.19%	19	39
	30.00 to <100.00	487	7	100.00%	494	38.90%	19.88%	1.00	631	127.92%	43	68
	100.00 (Default)	3,500	13	225.96%	3,505	100.00%	35.18%	1.00	937	26.73%	1,305	1,160
	Sub-total	445,954	14,324	100.09%	460,266	1.35%	13.44%	1.00	42,981	9.34%	1,778	2,723
Retail - Qualifying revolving	0.00 to <0.15	360	8,646	143.37%	12,849	0.07%	42.48%	1.00	293	2.28%	4	3
	0.00 to <0.10	161	4,754	163.50%	7,958	0.04%	40.88%	1.00	111	1.40%	1	1
	0.10 to <0.15	199	3,892	118.78%	4,891	0.12%	45.09%	1.00	182	3.72%	3	2
	0.15 to <0.25	190	2,254	102.08%	2,492	0.20%	126.26%	1.00	373	14.97%	6	2
	0.25 to <0.50	275	996	162.38%	1,917	0.37%	44.95%	1.00	163	8.52%	3	2
	0.50 to <0.75	331	1,117	98.74%	1,438	0.66%	62.52%	1.00	277	19.29%	6	3
	0.75 to <2.50	922	1,552	124.11%	2,884	1.52%	44.62%	1.00	754	26.13%	20	14
	0.75 to <1.75	659	1,223	138.34%	2,379	1.39%	42.21%	1.00	537	22.58%	14	11
	1.75 to <2.5	263	329	71.14%	505	2.15%	56.00%	1.00	217	42.88%	6	4
	2.50 to <10.00	1,388	658	167.44%	2,551	5.24%	45.37%	1.00	1,603	62.86%	61	45
	2.5 to <5	822	462	166.19%	1,604	3.90%	43.68%	1.00	795	49.57%	27	22
	5 to <10	566	196	170.40%	947	7.51%	48.24%	1.00	808	85.37%	34	23
	10.00 to <100.00	700	202	121.23%	979	22.81%	51.00%	1.00	1,437	146.82%	117	92
	10 to <20	367	132	140.34%	568	13.59%	47.78%	1.00	666	117.14%	36	29
	20 to <30	65	7	216.81%	84	25.29%	55.35%	1.00	153	181.11%	12	11
	30.00 to <100.00	268	63	69.68%	326	38.22%	55.49%	1.00	619	189.70%	69	52
	100.00 (Default)	308	21	13.05%	311	100.00%	64.18%	1.00	64	20.74%	199	206
	Sub-total	4,473	15,447	133.97%	25,420	2.92%	53.14%	1.00	4,966	19.54%	416	368
Retail - Other SME	0.00 to <0.15	6,966	1,129	128.69%	8,419	0.13%	24.96%	1.00	520	6.18%	3	10
	0.00 to <0.10	496	0	225.64%	497	0.09%	4.94%	1.00	6	1.14%	0	0
	0.10 to <0.15	6,470	1,129	128.67%	7,922	0.13%	26.22%	1.00	514	6.49%	3	10
	0.15 to <0.25	18,055	3,375	121.41%	22,168	0.19%	18.51%	1.00	1,592	7.18%	9	37
	0.25 to <0.50	21,267	2,862	149.50%	25,567	0.37%	19.94%	1.00	2,558	10.01%	19	97
	0.50 to <0.75	1,327	673	48.61%	1,672	0.56%	13.84%	1.00	481	28.79%	3	2
	0.75 to <2.50	23,114	3,288	135.34%	27,697	1.27%	23.08%	1.00	6,280	22.67%	84	371
	0.75 to <1.75	17,708	2,468	126.67%	20,905	1.01%	25.70%	1.00	4,956	23.71%	60	262
	1.75 to <2.5	5,405	819	161.46%	6,792	2.06%	15.00%	1.00	1,324	19.49%	24	109
	2.50 to <10.00	10,328	1,374	134.14%	12,380	5.34%	26.98%	1.00	4,652	37.58%	195	670
	2.5 to <5	4,849	793	117.87%	5,839	3.72%	30.92%	1.00	2,431	41.63%	73	271
	5 to <10	5,479	581	156.35%	6,541	6.79%	23.47%	1.00	2,221	33.96%	121	398
	10.00 to <100.00	3,549	323	136.91%	4,257	19.50%	26.27%	1.00	2,239	52.59%	251	461
	10 to <20	2,947	235	150.70%	3,480	15.54%	25.56%	1.00	1,638	47.07%	152	346
	20 to <30	154	10	90.47%	165	25.65%	19.00%	1.00	125	75.46%	12	22

	30.00 to <100.00	447	78	101.13%	612	40.33%	32.28%	1.00	476	77.85%	88	93
	100.00 (Default)	3,593	187	15.37%	3,623	100.00%	54.54%	1.00	1,012	27.94%	2,264	2,197
	<b>Sub-total</b>	<b>88,199</b>	<b>13,211</b>	<b>128.07%</b>	<b>105,784</b>	<b>5.32%</b>	<b>23.03%</b>	<b>1.00</b>	<b>19,334</b>	<b>18.28%</b>	<b>2,828</b>	<b>3,845</b>
Retail - Other non-SME	0.00 to <0.15	50,280	2,665	119.81%	53,492	0.07%	17.05%	1.00	1,955	3.66%	7	13
	0.00 to <0.10	33,786	1,774	120.72%	35,935	0.05%	15.32%	1.00	862	2.40%	3	5
	0.10 to <0.15	16,495	891	118.02%	17,557	0.12%	20.57%	1.00	1,093	6.23%	4	8
	0.15 to <0.25	16,054	819	109.97%	16,971	0.22%	18.38%	1.00	1,878	11.06%	9	16
	0.25 to <0.50	11,942	800	112.00%	12,852	0.37%	26.04%	1.00	2,209	17.19%	12	23
	0.50 to <0.75	7,177	308	103.86%	7,510	0.65%	31.73%	1.00	2,167	28.86%	15	21
	0.75 to <2.50	19,323	854	114.41%	20,349	1.43%	33.50%	1.00	9,055	44.50%	101	125
	0.75 to <1.75	15,653	787	116.16%	16,616	1.26%	32.61%	1.00	6,924	41.67%	70	100
	1.75 to <2.5	3,670	66	93.71%	3,734	2.20%	37.45%	1.00	2,131	57.08%	31	25
	2.50 to <10.00	10,351	377	108.63%	10,880	5.06%	33.02%	1.00	6,392	58.75%	190	241
	2.5 to <5	6,639	215	111.20%	6,957	3.81%	32.05%	1.00	3,979	57.19%	91	122
	5 to <10	3,712	162	105.20%	3,922	7.29%	34.75%	1.00	2,413	61.52%	98	119
	10.00 to <100.00	3,437	55	105.71%	3,656	23.01%	37.36%	1.00	3,511	96.04%	368	369
	10 to <20	2,126	31	110.54%	2,228	14.12%	36.15%	1.00	1,834	82.29%	119	148
	20 to <30	318	6	96.02%	414	25.09%	25.55%	1.00	361	87.11%	31	33
	30.00 to <100.00	993	18	100.90%	1,014	41.70%	44.83%	1.00	1,317	129.90%	218	189
	100.00 (Default)	3,197	11	54.91%	3,223	100.00%	53.04%	1.00	871	27.02%	1,760	1,813
	<b>Sub-total</b>	<b>121,762</b>	<b>5,889</b>	<b>114.80%</b>	<b>128,935</b>	<b>3.94%</b>	<b>24.40%</b>	<b>1.00</b>	<b>28,038</b>	<b>21.75%</b>	<b>2,461</b>	<b>2,620</b>
<b>TOTAL (all exposures classes)</b>		<b>1,042,927</b>	<b>234,739</b>	<b>75.53%</b>	<b>1,211,683</b>			<b>1.50</b>	<b>245,199</b>	<b>20.24%</b>	<b>13,383</b>	<b>18,395</b>

## CREDIT RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE ADVANCED INTERNAL RATINGS-BASED APPROACH AT 31 DECEMBER 2022 (CR6)

31/12/2022	PD range	On-balance sheet exposures	Off-balance-sheet exposures pre-CCF	Exposure weighted average CCF	Exposure post CCF and post CRM	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	Risk weighted exposure amount after supporting factors	Density of risk weighted exposure amount	Expected loss amount	Value adjustments and provisions
(in millions of euros)												
A-IRB												
Central governments and central banks	0.00 to <0.15	109,735	2,557	67.44%	128,632	0.01%	8.10%	1.63	670	0.52%	1	10
	0.00 to <0.10	109,735	2,557	67.44%	128,632	0.01%	8.10%	1.63	670	0.52%	1	10
	0.10 to <0.15	-	-	0.00%	-	-	-	-	-	-	-	-
	0.15 to <0.25	59	-	0.00%	3,104	0.16%	8.63%	4.01	325	10.46%	14	-
	0.25 to <0.50	134	-	0.00%	175	0.30%	10.00%	2.54	23	12.91%	0	0
	0.50 to <0.75	1,148	453	73.72%	849	0.60%	10.00%	1.69	131	15.47%	1	2
	0.75 to <2.50	473	493	75.00%	31	1.84%	45.00%	4.33	45	143.27%	0	1
	0.75 to <1.75	44	30	75.00%	3	1.25%	45.00%	4.81	4	137.03%	0	0
	1.75 to <2.5	429	463	75.00%	28	1.90%	45.00%	4.27	40	143.96%	0	1
	2.50 to <10.00	811	1,034	75.00%	73	5.00%	60.00%	4.39	179	243.84%	2	1
	2.5 to <5	-	-	0.00%	-	-	-	-	-	-	-	-
	5 to <10	811	1,034	75.00%	73	5.00%	60.00%	4.39	179	243.84%	2	1
	10.00 to <100.00	306	340	75.02%	70	15.74%	66.63%	1.86	237	337.83%	8	4
	10 to <20	76	16	75.00%	37	12.00%	61.25%	1.07	102	273.94%	3	1
	20 to <30	230	324	75.02%	33	20.00%	72.75%	2.76	135	410.49%	5	4
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	139	-	0.00%	32	100.00%	45.00%	3.89	0	1.10%	18	18
	<b>Sub-total</b>	<b>112,804</b>	<b>4,877</b>	<b>70.92%</b>	<b>132,966</b>	<b>0.05%</b>	<b>8.21%</b>	<b>1.69</b>	<b>1,610</b>	<b>1.21%</b>	<b>44</b>	<b>37</b>
Institutions	0.00 to <0.15	10,038	4,101	51.67%	18,425	0.07%	32.59%	1.62	1,707	9.26%	3	17
	0.00 to <0.10	8,900	2,527	60.69%	15,880	0.06%	31.59%	1.68	1,123	7.07%	2	0
	0.10 to <0.15	1,138	1,574	37.19%	2,546	0.12%	38.80%	1.28	583	22.92%	1	17
	0.15 to <0.25	1,687	2,890	63.52%	1,793	0.18%	28.44%	1.94	483	26.95%	1	3
	0.25 to <0.50	323	1,071	29.43%	573	0.30%	50.77%	1.53	401	69.93%	1	1
	0.50 to <0.75	186	318	24.86%	267	0.60%	52.50%	2.06	256	96.09%	1	0
	0.75 to <2.50	583	941	31.48%	822	1.03%	35.12%	1.18	649	78.86%	4	2
	0.75 to <1.75	440	820	31.99%	688	0.86%	28.67%	1.23	443	64.34%	2	1
	1.75 to <2.5	143	121	28.03%	135	1.90%	68.06%	0.88	206	153.00%	2	1
	2.50 to <10.00	113	402	31.54%	85	5.00%	62.32%	1.59	194	229.17%	3	0
	2.5 to <5	-	-	0.00%	-	-	-	-	-	-	-	-
	5 to <10	113	402	31.54%	85	5.00%	62.32%	1.59	194	229.17%	3	0
	10.00 to <100.00	66	64	34.69%	88	12.25%	69.25%	1.21	318	362.22%	7	0
	10 to <20	66	51	37.84%	85	12.00%	69.71%	1.20	309	363.21%	7	0
	20 to <30	0	12	21.72%	3	20.00%	54.66%	1.35	9	331.07%	0	0
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	225	191	0.07%	415	100.00%	45.00%	1.62	7	1.71%	384	384
	<b>Sub-total</b>	<b>13,221</b>	<b>9,977</b>	<b>48.05%</b>	<b>22,468</b>	<b>2.04%</b>	<b>33.53%</b>	<b>1.63</b>	<b>4,014</b>	<b>17.87%</b>	<b>403</b>	<b>408</b>
Corporates - SME	0.00 to <0.15	2,103	633	36.01%	2,622	0.12%	39.74%	2.35	553	21.07%	1	2
	0.00 to <0.10	140	228	64.54%	287	0.04%	40.86%	2.63	45	15.77%	0	0
	0.10 to <0.15	1,963	405	19.97%	2,336	0.13%	39.60%	2.32	507	21.73%	1	2
	0.15 to <0.25	7,211	265	63.24%	7,387	0.18%	44.23%	2.50	2,218	30.02%	6	9
	0.25 to <0.50	7,402	508	56.65%	7,690	0.39%	43.88%	2.50	3,431	44.62%	13	28
	0.50 to <0.75	55	10	73.80%	63	0.53%	43.92%	2.60	34	53.91%	0	0
	0.75 to <2.50	7,903	582	108.28%	8,274	1.23%	43.09%	2.50	5,667	68.49%	44	139
	0.75 to <1.75	6,473	458	117.18%	6,750	1.04%	42.88%	2.51	4,436	65.71%	30	97
	1.75 to <2.5	1,430	123	75.13%	1,524	2.06%	44.02%	2.50	1,231	80.79%	14	42
	2.50 to <10.00	3,679	217	59.17%	3,815	5.21%	41.43%	2.47	3,890	101.96%	84	291
	2.5 to <5	1,910	118	47.13%	1,974	3.68%	38.78%	2.45	1,717	86.99%	28	140

	5 to <10	1,769	99	73.61%	1,841	6.85%	44.27%	2.50	2,172	118.01%	56	151
	10.00 to <100.00	1,025	73	68.16%	1,075	23.56%	39.65%	2.49	1,588	147.74%	100	202
	10 to <20	696	33	66.24%	719	15.01%	41.42%	2.50	1,069	148.62%	46	102
	20 to <30	70	3	40.11%	68	23.46%	42.21%	2.29	113	165.89%	7	8
	30.00 to <100.00	260	37	72.16%	287	44.98%	34.58%	2.50	406	141.24%	48	92
	100.00 (Default)	724	16	48.32%	733	100.00%	45.83%	2.49	205	27.94%	336	436
	<b>Sub-total</b>	<b>30,102</b>	<b>2,304</b>	<b>65.39%</b>	<b>31,659</b>	<b>4.21%</b>	<b>43.02%</b>	<b>2.49</b>	<b>17,584</b>	<b>55.54%</b>	<b>585</b>	<b>1,107</b>
Corporates - Specialised Lending	0.00 to <0.15	1,655	1,193	35.39%	1,941	0.06%	14.36%	3.15	204	10.52%	1	1
	0.00 to <0.10	1,514	911	36.33%	1,709	0.05%	13.86%	3.26	180	10.54%	1	1
	0.10 to <0.15	-	-	0.00%	-	-	-	-	-	-	-	-
	0.15 to <0.25	7,238	1,724	65.54%	7,954	0.16%	9.72%	3.76	844	10.61%	1	2
	0.25 to <0.50	13,077	4,907	44.75%	13,625	0.31%	13.15%	3.36	2,475	18.17%	6	14
	0.50 to <0.75	7,016	1,488	57.07%	6,424	0.60%	13.02%	3.48	1,626	25.31%	5	14
	0.75 to <2.50	13,334	5,335	54.45%	10,922	1.13%	14.82%	3.28	3,864	35.38%	18	57
	0.75 to <1.75	9,749	3,513	49.42%	9,046	0.98%	14.85%	3.34	3,088	34.14%	13	30
	1.75 to <2.5	3,585	1,822	64.16%	1,875	1.90%	14.69%	2.98	776	41.37%	5	28
	2.50 to <10.00	2,283	615	73.84%	1,976	4.56%	19.77%	3.21	1,410	71.32%	18	51
	2.5 to <5	636	236	75.00%	739	3.00%	15.16%	3.45	370	50.14%	3	3
	5 to <10	1,646	380	73.13%	1,238	5.48%	22.53%	3.07	1,039	83.97%	15	48
	10.00 to <100.00	2,191	759	64.14%	1,904	15.65%	14.54%	3.43	1,486	78.03%	42	142
	10 to <20	1,278	369	68.60%	1,076	12.31%	16.91%	3.39	934	86.80%	23	82
	20 to <30	913	390	59.92%	828	20.00%	11.47%	3.48	552	66.64%	19	60
	30.00 to <100.00	-	-	0.00%	-	-	-	-	-	-	-	-
	100.00 (Default)	2,345	91	77.24%	1,915	100.00%	34.08%	2.67	298	15.57%	479	479
	<b>Sub-total</b>	<b>49,138</b>	<b>16,112</b>	<b>52.84%</b>	<b>46,661</b>	<b>5.40%</b>	<b>14.18%</b>	<b>3.39</b>	<b>12,207</b>	<b>26.16%</b>	<b>570</b>	<b>761</b>
Corporates - Other	0.00 to <0.15	39,164	88,985	62.53%	90,334	0.06%	34.76%	2.13	14,285	15.81%	18	40
	0.00 to <0.10	28,868	71,949	62.52%	72,702	0.04%	34.18%	2.17	9,756	13.42%	10	26
	0.10 to <0.15	10,295	17,036	62.59%	17,632	0.12%	37.15%	1.99	4,529	25.69%	8	15
	0.15 to <0.25	586	1,401	70.90%	1,830	0.15%	38.74%	2.32	672	36.73%	1	2
	0.25 to <0.50	14,473	27,195	63.66%	25,206	0.31%	38.35%	2.53	12,942	51.34%	32	69
	0.50 to <0.75	162	166	56.63%	318	0.52%	45.91%	1.83	248	77.88%	1	2
	0.75 to <2.50	9,507	9,039	70.34%	11,163	1.02%	40.87%	2.75	10,902	97.67%	51	246
	0.75 to <1.75	8,908	8,339	70.53%	10,184	0.94%	38.40%	2.66	8,935	87.74%	39	225
	1.75 to <2.5	599	699	68.01%	979	1.88%	66.53%	3.68	1,967	200.98%	13	21
	2.50 to <10.00	5,997	2,657	71.09%	4,029	4.92%	44.22%	2.30	6,277	155.81%	88	438
	2.5 to <5	3,256	1,375	63.46%	2,530	3.18%	45.24%	2.48	3,625	143.24%	38	167
	5 to <10	2,741	1,283	79.28%	1,498	7.84%	42.50%	2.00	2,652	177.04%	50	271
	10.00 to <100.00	1,015	1,074	81.47%	1,139	16.57%	41.57%	1.68	2,471	216.84%	81	154
	10 to <20	436	612	81.36%	681	13.87%	39.78%	1.93	1,381	202.82%	39	128
	20 to <30	566	461	81.62%	446	20.21%	44.55%	1.26	1,065	238.99%	40	25
	30.00 to <100.00	13	0	0.00%	13	34.03%	32.87%	2.50	24	191.27%	1	1
	100.00 (Default)	1,899	542	28.03%	1,963	100.00%	44.77%	2.31	670	34.13%	1,621	1,622
	<b>Sub-total</b>	<b>72,804</b>	<b>131,059</b>	<b>63.57%</b>	<b>135,982</b>	<b>1.91%</b>	<b>36.49%</b>	<b>2.26</b>	<b>48,466</b>	<b>35.64%</b>	<b>1,894</b>	<b>2,574</b>
Retail - Secured by immovable property SME	0.00 to <0.15	2,330	64	100.09%	2,395	0.13%	22.50%	1.00	129	5.38%	1	2
	0.00 to <0.10	-	-	0.00%	-	-	-	-	-	-	-	-
	0.10 to <0.15	2,330	64	100.09%	2,395	0.13%	22.50%	1.00	129	5.38%	1	2
	0.15 to <0.25	3,721	109	101.33%	3,832	0.21%	24.07%	1.00	322	8.41%	2	8
	0.25 to <0.50	6,359	199	100.05%	6,557	0.40%	21.27%	1.00	765	11.67%	6	25
	0.50 to <0.75	2,357	28	100.00%	2,385	0.53%	13.90%	1.00	248	10.41%	2	4
	0.75 to <2.50	7,134	404	100.01%	7,538	1.21%	23.05%	1.00	1,969	26.12%	20	106
	0.75 to <1.75	6,287	381	100.01%	6,668	1.10%	24.03%	1.00	1,746	26.19%	17	81
	1.75 to <2.5	847	23	100.00%	870	2.05%	15.48%	1.00	222	25.54%	3	25
	2.50 to <10.00	3,586	226	99.88%	3,811	5.37%	25.87%	1.00	2,717	71.29%	54	283
	2.5 to <5	1,796	149	99.78%	1,944	3.72%	27.69%	1.00	1,238	63.68%	20	115
	5 to <10	1,790	77	100.08%	1,867	7.08%	23.97%	1.00	1,479	79.22%	33	168
	10.00 to <100.00	1,014	61	100.13%	1,075	19.62%	23.72%	1.00	1,128	104.94%	53	153
	10 to <20	808	38	100.21%	846	15.53%	23.45%	1.00	862	101.96%	32	117
	20 to <30	84	1	100.00%	85	26.45%	19.17%	1.00	84	99.19%	4	9
	30.00 to <100.00	123	22	100.00%	144	39.51%	27.95%	1.00	182	125.79%	17	27
	100.00 (Default)	671	2	47.81%	672	100.00%	53.99%	1.00	190	28.27%	363	327
	<b>Sub-total</b>	<b>27,171</b>	<b>1,094</b>	<b>100.02%</b>	<b>28,265</b>	<b>4.35%</b>	<b>23.10%</b>	<b>1.00</b>	<b>7,469</b>	<b>26.42%</b>	<b>500</b>	<b>907</b>
Retail - Secured by immovable property non SME	0.00 to <0.15	284,146	9,897	100.00%	294,043	0.07%	13.07%	1.00	7,279	2.48%	26	58
	0.00 to <0.10	196,904	6,777	100.00%	203,681	0.05%	12.19%	1.00	3,399	1.67%	11	20
	0.10 to <0.15	87,242	3,120	99.99%	90,362	0.11%	15.06%	1.00	3,880	4.29%	15	38
	0.15 to <0.25	45,850	2,030	99.98%	47,880	0.22%	16.12%	1.00	3,656	7.64%	17	52
	0.25 to <0.50	41,384	1,864	100.00%	43,249	0.37%	14.28%	1.00	4,359	10.08%	23	85
	0.50 to <0.75	16,344	946	99.98%	17,290	0.69%	14.61%	1.00	2,706	15.65%	18	78
	0.75 to <2.50	27,149	1,210	99.94%	28,358	1.41%	17.00%	1.00	8,141	28.71%	68	334
	0.75 to <1.75	25,679	1,181	99.94%	26,859	1.37%	17.12%	1.00	7,626	28.39%	63	310
	1.75 to <2.5	1,470	30	100.00%	1,499	2.13%	14.84%	1.00	516	34.40%	5	24
	2.50 to <10.00	15,717	764	100.00%	16,481	5.63%	17.56%	1.00	10,858	65.88%	163	590
	2.5 to <5	9,487	410	100.00%	9,897	4.13%	17.82%	1.00	5,647	57.06%	73	327
	5 to <10	6,230	354	100.00%	6,584	7.89%	17.16%	1.00	5,211	79.15%	90	264
	10.00 to <100.00	3,098	106	100.00%	3,204	19.71%	19.73%	1.00	3,673	114.63%	130	260
	10 to <20	2,310	79	100.00%	2,389	15.23%	19.50%	1.00	2,651	110.97%	71	168
	20 to <30	380	16	100.00%	396	25.16%	18.06%	1.00	466	117.74%	18	38
	30.00 to <100.00	408	12	100.00%	420	40.08%	22.67%	1.00	556	132.49%	41	54
	100.00 (Default)	3,402	16	207.87%	3,410	100.00%	37.81%	1.00	892	26.17%	1,289	1,113
	<b>Sub-total</b>	<b>437,091</b>	<b>16,834</b>	<b>100.09%</b>	<b>453,915</b>	<b>1.31%</b>	<b>14.21%</b>	<b>1.00</b>	<b>41,565</b>	<b>9.16%</b>	<b>1,735</b>	<b>2,570</b>
Retail - Qualifying revolving	0.00 to <0.15	389	6,883	164.35%	11,790	0.06%	41.52%	1.00	231	1.96%	3	2
	0.00 to <0.10	169	4,995	160.82%	8,225	0.04%	41.71%	1.00	118	1.43%	2	1
	0.10 to <0.15	220	1,888	173.67%	3,565	0.12%	41.08%	1.00	113	3.18%	2	1
	0.15 to <0.25	197	3,964	87.34%	3,659	0.19%	92.21%	1.00	390	10.67%	6	2
	0.25 to <0.50	289	1,114	149.01%	1,973	0.37%	51.70%	1.00	197	9.99%	4	2
	0.50 to <0.75	316	933	107.14%	1,319	0.66%	62.34%	1.00	257	19.51%	5	3



	0.75 to <2.50	911	1,618	117.85%	2,852	1.48%	43.56%	1.00	719	25.20%	18	13
	0.75 to <1.75	704	1,397	122.82%	2,446	1.37%	41.57%	1.00	543	22.20%	14	10
	1.75 to <2.5	207	221	86.40%	406	2.14%	55.51%	1.00	176	43.27%	5	3
	2.50 to <10.00	1,458	743	145.42%	2,600	5.27%	45.12%	1.00	1,634	62.84%	62	44
	2.5 to <5	806	490	149.84%	1,553	3.81%	43.09%	1.00	747	48.11%	25	21
	5 to <10	652	253	136.88%	1,047	7.43%	48.13%	1.00	887	84.69%	37	24
	10.00 to <100.00	653	177	127.08%	911	23.48%	49.80%	1.00	1,317	144.55%	109	91
	10 to <20	336	123	143.83%	529	14.13%	47.01%	1.00	621	117.55%	34	32
	20 to <30	68	8	203.70%	88	25.01%	56.31%	1.00	162	184.20%	12	11
	30.00 to <100.00	249	46	69.64%	295	39.79%	52.86%	1.00	534	181.11%	62	49
	100.00 (Default)	300	18	10.37%	302	100.00%	65.45%	1.00	60	20.02%	198	208
	<b>Sub-total</b>	<b>4,512</b>	<b>15,450</b>	<b>133.64%</b>	<b>25,406</b>	<b>2.86%</b>	<b>51.87%</b>	<b>1.00</b>	<b>4,806</b>	<b>18.92%</b>	<b>405</b>	<b>367</b>
Retail - Other SME	0.00 to <0.15	7,118	973	137.59%	8,457	0.13%	24.09%	1.00	500	5.92%	3	8
	0.00 to <0.10	650	0	225.64%	650	0.09%	7.67%	1.00	12	1.82%	0	-
	0.10 to <0.15	6,469	973	137.57%	7,807	0.13%	25.46%	1.00	488	6.26%	3	8
	0.15 to <0.25	17,324	3,330	125.05%	21,492	0.19%	19.15%	1.00	1,384	6.44%	8	30
	0.25 to <0.50	21,556	3,187	147.80%	26,281	0.37%	19.94%	1.00	2,640	10.05%	20	84
	0.50 to <0.75	1,158	769	15.07%	1,274	0.57%	37.58%	1.00	360	28.24%	3	3
	0.75 to <2.50	21,908	3,465	122.51%	26,218	1.25%	25.23%	1.00	5,928	22.61%	80	353
	0.75 to <1.75	17,382	2,802	109.57%	20,489	1.02%	27.83%	1.00	4,930	24.06%	61	239
	1.75 to <2.5	4,526	663	177.23%	5,729	2.05%	15.93%	1.00	998	17.42%	19	115
	2.50 to <10.00	9,839	1,454	129.12%	11,854	5.33%	29.17%	1.00	4,346	36.66%	185	658
	2.5 to <5	4,685	858	109.41%	5,658	3.71%	33.65%	1.00	2,300	40.65%	71	257
	5 to <10	5,154	596	157.49%	6,196	6.82%	25.07%	1.00	2,046	33.03%	115	402
	10.00 to <100.00	3,296	303	138.31%	3,923	19.68%	27.73%	1.00	2,042	52.05%	232	453
	10 to <20	2,675	229	152.00%	3,154	15.51%	26.57%	1.00	1,465	46.45%	137	328
	20 to <30	179	13	66.86%	188	25.80%	28.22%	1.00	135	71.94%	14	25
	30.00 to <100.00	442	61	102.31%	580	40.41%	33.87%	1.00	441	76.03%	81	100
	100.00 (Default)	3,404	201	16.63%	3,440	100.00%	62.41%	1.00	952	27.67%	2,142	2,115
	<b>Sub-total</b>	<b>85,602</b>	<b>13,682</b>	<b>123.55%</b>	<b>102,939</b>	<b>5.18%</b>	<b>24.46%</b>	<b>1.00</b>	<b>18,151</b>	<b>17.63%</b>	<b>2,672</b>	<b>3,703</b>
Retail - Other non-SME	0.00 to <0.15	52,242	3,044	111.60%	55,690	0.07%	16.81%	1.00	2,005	3.60%	7	12
	0.00 to <0.10	34,982	1,922	119.36%	37,316	0.05%	15.19%	1.00	891	2.39%	3	5
	0.10 to <0.15	17,260	1,122	98.30%	18,373	0.12%	20.11%	1.00	1,114	6.06%	4	8
	0.15 to <0.25	14,454	706	111.42%	15,252	0.21%	23.38%	1.00	1,652	10.83%	8	14
	0.25 to <0.50	12,479	869	103.72%	13,394	0.37%	25.99%	1.00	2,355	17.58%	13	23
	0.50 to <0.75	6,001	325	100.49%	6,339	0.65%	29.69%	1.00	1,699	26.81%	12	17
	0.75 to <2.50	19,265	848	107.35%	20,219	1.41%	34.04%	1.00	8,804	43.54%	97	115
	0.75 to <1.75	16,044	758	109.86%	16,920	1.25%	33.80%	1.00	7,019	41.49%	71	93
	1.75 to <2.5	3,220	90	86.22%	3,299	2.21%	35.26%	1.00	1,784	54.08%	26	23
	2.50 to <10.00	10,387	335	106.62%	10,844	5.14%	35.42%	1.00	6,420	59.21%	195	227
	2.5 to <5	6,269	144	111.63%	6,491	3.74%	35.05%	1.00	3,641	56.10%	83	101
	5 to <10	4,118	192	102.85%	4,353	7.23%	35.98%	1.00	2,779	63.84%	111	126
	10.00 to <100.00	3,183	34	103.53%	3,364	23.95%	38.32%	1.00	3,184	94.65%	354	372
	10 to <20	1,967	23	106.41%	2,052	14.65%	37.18%	1.00	1,668	81.27%	112	143
	20 to <30	293	8	94.22%	385	25.18%	28.89%	1.00	330	85.83%	28	31
	30.00 to <100.00	923	2	106.28%	928	43.99%	44.77%	1.00	1,186	127.91%	214	198
	100.00 (Default)	3,088	9	44.67%	3,126	100.00%	57.34%	1.00	851	27.23%	1,696	1,830
	<b>Sub-total</b>	<b>121,100</b>	<b>6,170</b>	<b>108.88%</b>	<b>128,228</b>	<b>3.85%</b>	<b>25.03%</b>	<b>1.00</b>	<b>26,970</b>	<b>21.03%</b>	<b>2,381</b>	<b>2,611</b>
<b>TOTAL (all exposures classes)</b>		<b>953,546</b>	<b>217,558</b>	<b>75.29%</b>	<b>1,108,489</b>			<b>1.39</b>	<b>182,841</b>	<b>16.50%</b>	<b>11,188</b>	<b>15,044</b>

### 2.2.2.3 Use of credit derivatives for hedging purposes

#### IRB APPROACH – EFFECT ON THE RWAS OF CREDIT DERIVATIVES USED AS CRM TECHNIQUES (CR7)

		30/06/2023		31/12/2022	
		Pre-credit derivatives risk weighted exposure amount	Actual risk weighted exposure amount	Pre-credit derivatives risk weighted exposure amount	Actual risk weighted exposure amount
<i>(in millions of euros)</i>					
<b>1</b>	<b>Exposures under F-IRB</b>	<b>46,864</b>	<b>46,864</b>	<b>105,273</b>	<b>105,273</b>
2	Central governments and central banks	1,641	1,641	1,458	1,458
3	Institutions	9,854	9,854	10,037	10,037
4	Corporates	35,369	35,369	93,777	93,777
4.1	<i>of which Corporates - SMEs</i>	10,041	10,041	31,905	31,905
4.2	<i>of which Corporates - Specialised lending</i>	2,961	2,961	2,929	2,929
<b>5</b>	<b>Exposures under A-IRB</b>	<b>246,412</b>	<b>245,199</b>	<b>184,912</b>	<b>182,841</b>
6	Central governments and central banks	1,864	1,864	1,610	1,610
7	Institutions	2,973	3,065	3,673	4,014
8	Corporates	138,609	137,304	80,669	78,257
8.1	<i>of Corporates - SMEs</i>	41,182	41,182	17,584	17,584
8.1	<i>of which Corporates - Specialised lending</i>	11,555	11,555	12,207	12,207
9	Retail	102,966	102,966	98,960	98,960
9.1	<i>of which Retail – SMEs - Secured by immovable property collateral</i>	7,648	7,648	7,469	7,469
9.2	<i>of which Retail – non-SMEs - Secured by immovable property collateral</i>	42,981	42,981	41,565	41,565
9.3	<i>of which Retail – Qualifying revolving</i>	4,966	4,966	4,806	4,806
9.4	<i>of which Retail – SMEs - Other</i>	19,334	19,334	18,151	18,151
9.5	<i>of which Retail – Non-SMEs- Other</i>	28,038	28,038	26,970	26,970
<b>10</b>	<b>TOTAL (including F-IRB exposures and A-IRB exposures)</b>	<b>293,276</b>	<b>292,063</b>	<b>290,184</b>	<b>288,114</b>

## IRB APPROACH – DISCLOSURE OF THE EXTENT OF THE USE OF CRM TECHNIQUES (CR7-A)

30/06/2023		Total exposures	Credit risk Mitigation techniques										Credit risk Mitigation methods in the calculation of RWAs		
			Funded credit Protection (FCP)								Unfunded credit Protection (UFCP)		RWA without substitution effects (reduction effects only)	RWA with substitution effects (both reduction and substitution effects)	
			Part of exposures covered by Financial Collaterals (%)	Part of exposures covered by Other eligible collaterals (%)	Part of exposures covered by Immovable property Collaterals (%)	Part of exposures covered by Receivables (%)	Part of exposures covered by Other physical collateral (%)	Part of exposures covered by Other funded credit protection (%)	Part of exposures covered by Cash on deposit (%)	Part of exposures covered by Life insurance policies (%)	Part of exposures covered by Instruments held by a third party (%)	Part of exposures covered by Guarantees (%)			Part of exposures covered by Credit Derivatives (%)
(in millions of euros)															
F-IRB															
1	Central governments and central banks	214,626	-	0.00%	-	0.00%						-		1,585	1,641
2	Institutions	51,800	0.05%	0.17%	0.06%	0.11%	0.00%							9,537	9,854
3	Corporates	68,984	0.25%	11.37%	7.33%	3.94%	0.10%	-						35,742	35,369
3.1	Of which Corporates – SMEs	16,769	0.54%	23.21%	16.46%	6.61%	0.15%	-						10,362	10,041
3.2	Of which Corporates – Specialised lending	4,288	0.05%	14.53%	1.63%	12.61%	0.29%							2,966	2,961
3.3	Of which Corporates – Other	47,926	0.17%	6.94%	4.65%	2.23%	0.07%							22,413	22,367
4	TOTAL	335,410	0.06%	2.36%	1.52%	0.83%	0.02%	-						46,864	46,864

31/12/2022		Total exposures	Credit risk Mitigation techniques										Credit risk Mitigation methods in the calculation of RWAs		
			Funded credit Protection (FCP)								Unfunded credit Protection (UFCP)		RWA without substitution effects (reduction effects only)	RWA with substitution effects (both reduction and substitution effects)	
			Part of exposures covered by Financial Collaterals (%)	Part of exposures covered by Other eligible collaterals (%)	Part of exposures covered by Immovable property Collaterals (%)	Part of exposures covered by Receivables (%)	Part of exposures covered by Other physical collateral (%)	Part of exposures covered by Other funded credit protection (%)	Part of exposures covered by Cash on deposit (%)	Part of exposures covered by Life insurance policies (%)	Part of exposures covered by Instruments held by a third party (%)	Part of exposures covered by Guarantees (%)			Part of exposures covered by Credit Derivatives (%)
(in millions of euros)															
F-IRB															
1	Central governments and central banks	235,180	-	0.00%	0.00%	0.00%	-	-	-	-	-	-	-	1,409	1,458
2	Institutions	52,573	0.05%	0.17%	0.07%	0.10%	-	-	-	-	-	-	-	9,714	10,037
3	Corporates	170,101	0.41%	11.47%	7.70%	3.16%	0.60%	-	-	-	-	-	-	94,150	93,777
3.1	Of which Corporates – SMEs	54,520	0.68%	20.21%	14.78%	4.66%	0.78%	-	-	-	-	-	-	32,216	31,905
3.2	Of which Corporates – Specialised lending	4,270	0.05%	15.94%	3.39%	12.13%	0.42%	-	-	-	-	-	-	2,935	2,929
3.3	Of which Corporates – Other	111,311	0.29%	7.02%	4.41%	2.09%	0.52%	-	-	-	-	-	-	58,998	58,944
4	TOTAL	457,853	0.16%	4.28%	2.87%	1.19%	0.22%	-	-	-	-	-	-	105,273	105,273

30/06/2023

(in millions of euros)

A-IRB

30/06/2023   (in millions of euros)  A-IRB		Total exposures	Credit risk Mitigation techniques											Credit risk Mitigation methods in the calculation of RWAs	
			Funded credit Protection (FCP)								Unfunded credit Protection (UFCP)		RWA without substitution effects (reduction effects only)	RWA with substitution effects (both reduction and sustitution effects)	
			Part of exposures covered by Financial Collaterals (%)	Part of exposures covered by Other eligible collaterals (%)	Part of exposures covered by Immovable property Collaterals (%)	Part of exposures covered by Receivable s (%)	Part of exposures covered by Other physical collateral (%)	Part of exposures covered by Other funded credit protection (%)	Part of exposures covered by Cash on deposit (%)	Part of exposures covered by Life insurance policies (%)	Part of exposures covered by Instrument s held by a third party (%)	Part of exposures covered by Guarantees (%)			Part of exposures covered by Credit Derivatives (%)
1	Central governments and central banks	125,069	0.00%											1,190	1,864
2	Institutions	19,639	1.26%					-	-					3,146	3,065
3	Corporates	317,620	1.20%	12.01%	7.42%	0.88%	3.71%					0.43%		137,897	137,304
3.1	Of which Corporates – SMEs	72,012	0.53%	16.91%	14.17%	2.12%	0.61%					1.90%		41,207	41,182
3.2	Of which Corporates – Specialised lending	46,373	0.92%	45.62%	22.39%		23.23%							12,461	11,555
3.3	Of which Corporates – Other	199,235	1.51%	2.41%	1.50%	0.63%	0.28%							84,230	84,568
4	Retail	749,355		23.97%	23.97%							41.71%		102,966	102,966
4.1	Of which Retail – Immovable property SMEs	28,951		81.75%	81.75%							6.43%		7,648	7,648
4.2	Of which Retail – Immovable property non-SMEs	460,266		33.82%	33.82%							65.40%		42,981	42,981
4.3	Of which Retail – Qualifying revolving	25,420												4,966	4,966
4.4	Of which Retail – Other SMEs	105,784		0.07%	0.07%							8.28%		19,334	19,334
4.5	Of which Retail – Other non-SMEs	128,935		0.18%	0.18%							0.75%		28,038	28,038
5	TOTAL	1,211,683	0.34%	17.97%	16.77%	0.23%	0.97%	-	-			25.91%		245,199	245,199

31/12/2022

(in millions of euros)

A-IRB

31/12/2022		Total exposures	Credit risk Mitigation techniques												Credit risk Mitigation methods in the calculation of RWAs	
			Funded credit Protection (FCP)										Unfunded credit Protection (UFCP)		RWA without substitution effects (reduction effects only)	RWA with substitution effects (both reduction and substitution effects)
			Part of exposures covered by Financial Collaterals (%)	Part of exposures covered by Other eligible collaterals (%)	Part of exposures covered by Immovable property Collaterals (%)	Part of exposures covered by Receivables (%)	Part of exposures covered by Other physical collateral (%)	Part of exposures covered by Other funded credit protection (%)	Part of exposures covered by Cash on deposit (%)	Part of exposures covered by Life insurance policies (%)	Part of exposures covered by Instruments held by a third party (%)	Part of exposures covered by Guarantees (%)	Part of exposures covered by Credit Derivatives (%)			
(in millions of euros)																
A-IRB																
1	Central governments and central banks	132,966	0.00%	0.06%	-	-	0.06%	-	-	-	-	-	-	1,072	1,610	
2	Institutions	22,468	0.91%	-	-	-	-	-	-	-	-	-	-	4,072	4,014	
3	Corporates	214,302	1.68%	11.91%	6.93%	-	4.99%	-	-	-	-	0.67%	-	78,737	78,257	
3.1	Of which Corporates – SMEs	31,659	0.27%	13.16%	13.16%	-	-	-	-	-	-	4.50%	-	17,586	17,584	
3.2	Of which Corporates – Specialised lending	46,661	0.90%	45.32%	22.43%	-	22.89%	-	-	-	-	-	-	13,142	12,207	
3.3	Of which Corporates – Other	135,982	2.27%	0.16%	0.16%	-	-	-	-	-	-	-	-	48,010	48,466	
4	Retail	738,753	-	24.03%	24.03%	-	-	-	-	-	-	41.75%	-	98,960	98,960	
4.1	Of which Retail – Immovable property SMEs	28,265	-	81.94%	81.94%	-	-	-	-	-	-	6.43%	-	7,469	7,469	
4.2	Of which Retail – Immovable property non-SMEs	453,915	-	33.94%	33.94%	-	-	-	-	-	-	65.22%	-	41,565	41,565	
4.3	Of which Retail – Qualifying revolving	25,406	-	-	-	-	-	-	-	-	-	-	-	4,806	4,806	
4.4	Of which Retail – Other SMEs	102,939	-	0.08%	0.08%	-	-	-	-	-	-	9.23%	-	18,151	18,151	
4.5	Of which Retail – Other non-SMEs	128,228	-	0.19%	0.19%	-	-	-	-	-	-	0.79%	-	26,970	26,970	
5	TOTAL	1,108,489	0.34%	18.33%	17.36%	-	0.97%	-	-	-	-	27.95%	-	182,841	182,841	

## 2.2.2.4 Change in RWA

### STATEMENT OF RISK-WEIGHTED ASSET (RWA) FLOWS FOR CREDIT RISK EXPOSURES UNDER THE INTERNAL RATINGS-BASED APPROACH (CR8)

30/06/2023

(in millions of euros)		RWA amounts
1	RWAs as at the end of the previous reporting period (31/03/2023)	288,359
2	Asset size (+/-)	959
3	Asset quality (+/-)	731
4	Model updates (+/-)	700
5	Methodology and policy (+/-)	-
6	Acquisitions and disposals (+/-)	-
7	Foreign exchange movements (+/-)	(248)
8	Other (+/-)	1,562
9	RWAs as at the end of the reporting period (30/06/2023)	292,063

The change shown in line 8 “Other (+/-)” of the CR8 table can primarily be explained by the amortization of synthetic securitization by Crédit Agricole CIB.

## 2.2.3 Counterparty credit risk

The Group calculates counterparty risk for all their exposures, whether in the banking book or the trading book. For items in the trading book, counterparty risk is calculated in accordance with the provisions relating to the regulatory supervision of market risk.

The regulatory treatment of counterparty risk on transactions on forward financial instruments in the banking portfolio is defined on a regulatory basis in amended Regulation (EU) 575/2013 of 26 June 2013. Crédit Agricole Group uses the standardised approach to measure its exposure to counterparty risk on transactions on forward financial instruments in the banking portfolio (Article 274) or the internal model method (Article 283).

### 2.2.3.1 Analysis of exposure to counterparty risk

#### EXPOSURE TO COUNTERPARTY RISK BY APPROACH AT 30 JUNE 2023

30/06/2023	Standard		IRB		Total		
	Exposure value (EAD)	RWA	Exposure value (EAD)	RWA	Exposure value (EAD)	RWA	Capital Requirement
<i>(in billions of euros)</i>							
Central governments and central banks	1.0	0.0	9.6	0.4	10.6	0.4	0.0
Institutions	11.1	2.4	24.6	7.0	35.7	9.3	0.7
Corporates	1.9	1.8	30.6	8.2	32.5	10.0	0.8
Retail Customers	-	-	-	-	-	-	-
Shares	-	-	-	-	-	-	-
Securitisations	-	-	-	-	-	-	-
Other non credit-obigation assets	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>14.0</b>	<b>4.2</b>	<b>64.8</b>	<b>15.5</b>	<b>78.8</b>	<b>19.7</b>	<b>1.6</b>

#### EXPOSURE TO COUNTERPARTY RISK BY APPROACH AT 31 DECEMBER 2022

31/12/2022	Standard		IRB		Total		
	Exposure value (EAD)	RWA	Exposure value (EAD)	RWA	Exposure value (EAD)	RWA	Capital Requirement
<i>(in billions of euros)</i>							
Central governments and central banks	0.7	0.0	13.1	0.3	13.8	0.3	0.0
Institutions	11.9	2.3	22.9	6.6	34.8	8.9	0.7
Corporates	2.0	1.9	31.5	8.1	33.5	10.0	0.8
Retail Customers	-	-	-	-	-	-	-
Shares	-	-	-	-	-	-	-
Securitisations	-	-	-	-	-	-	-
Other non credit-obigation assets	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>14.5</b>	<b>4.1</b>	<b>67.6</b>	<b>15.1</b>	<b>82.1</b>	<b>19.2</b>	<b>1.5</b>



## 2.2.3.2 Exposure to counterparty risk by approach

### ANALYSIS OF EXPOSURE TO COUNTERPARTY RISK BY APPROACH (CCR1)

30/06/2023		Replacem ent cost (RC)	Potential future exposure (PFE)	EEPE	Alpha used for computin g regulatory exposure value	Exposure value pre- CRM	Exposure value post-CRM	Exposure value	RWA
(in millions of euros)									
EU1	EU - Original Exposure Method (for derivatives)	-	-		1.4	-	-	-	-
EU2	EU - Simplified SA-CCR (for derivatives)	-	-		1.4	-	-	-	-
1	SA-CCR (for derivatives)	3,347	2,532		1.4	12,457	8,230	8,197	3,725
2	IMM (for derivatives and SFTs)			24,545	1.65	101,418	40,499	40,313	11,544
2a	Of which securities financing transactions netting sets			-		-	-	-	-
2b	Of which derivatives and long settlement transactions netting sets			24,545		101,418	40,499	40,313	11,544
2c	Of which from contractual cross-product netting sets			-		-	-	-	-
3	Financial collateral simple method (for SFTs)					-	-	-	-
4	Financial collateral comprehensive method (for SFTs)					304,652	25,794	25,494	4,347
5	VaR for SFTs					-	-	-	-
6	<b>TOTAL</b>					<b>418,527</b>	<b>74,522</b>	<b>74,003</b>	<b>19,616</b>

31/12/2022		Replacem ent cost (RC)	Potential future exposure (PFE)	EEPE	Alpha used for computin g regulatory exposure value	Exposure value pre- CRM	Exposure value post-CRM	Exposure value	RWA
(in millions of euros)									
EU1	EU - Original Exposure Method (for derivatives)	-	-		1.4	-	-	-	-
EU2	EU - Simplified SA-CCR (for derivatives)	-	-		1.4	-	-	-	-
1	SA-CCR (for derivatives)	3,266	2,182		1.4	13,300	7,628	7,598	3,911
2	IMM (for derivatives and SFTs)			26,167	1.65	104,630	43,175	42,975	11,854
2a	Of which securities financing transactions netting sets			-		-	-	-	-
2b	Of which derivatives and long settlement transactions netting sets			26,167		104,630	43,175	42,975	11,854
2c	Of which from contractual cross-product netting sets			-		-	-	-	-
3	Financial collateral simple method (for SFTs)					-	-	-	-
4	Financial collateral comprehensive method (for SFTs)					262,888	26,250	25,757	3,606
5	VaR for SFTs					-	-	-	-
6	<b>TOTAL</b>					<b>380,818</b>	<b>77,053</b>	<b>76,330</b>	<b>19,370</b>

### 2.2.3.3 Exposure to counterparty risk under the standardised approach

#### EXPOSURES TO COUNTERPARTY RISK UNDER THE STANDARDISED APPROACH BY REGULATORY PORTFOLIO AND BY RISK WEIGHTING AT 30 JUNE 2023 (CCR3)

30/06/2023	Risk weight											
Exposure classes (in millions of euros)	0%	2%	4%	10%	20%	50%	70%	75%	100%	150%	Other	Total Exposure to credit
Central governments or central banks	1,016	-	-	-	-	-	-	-	0	-	-	1,016
Regional government or local authorities	-	-	-	-	0	-	-	-	-	-	-	0
Public sector entities	2	-	-	-	5	0	-	-	-	-	-	8
Multilateral development banks	-	-	-	-	-	-	-	-	-	-	-	-
International organisations	-	-	-	-	-	-	-	-	-	-	-	-
Institutions	0	4,765	-	-	3,093	3,118	-	-	104	0	-	11,081
Corporates	-	-	-	-	14	142	-	-	1,713	8	-	1,876
Retail	-	-	-	-	-	-	-	4	-	-	-	4
Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-
Other items	-	-	-	-	-	-	-	-	0	4	-	4
<b>TOTAL EXPOSURE VALUE</b>	<b>1,019</b>	<b>4,765</b>	<b>-</b>	<b>-</b>	<b>3,112</b>	<b>3,260</b>	<b>-</b>	<b>4</b>	<b>1,817</b>	<b>12</b>	<b>-</b>	<b>13,989</b>

#### EXPOSURES TO COUNTERPARTY RISK UNDER THE STANDARDISED APPROACH BY REGULATORY PORTFOLIO AND BY RISK WEIGHTING AT 31 DECEMBER 2022 (CCR3)

31/12/2022	Risk weight											
Exposure classes (in millions of euros)	0%	2%	4%	10%	20%	50%	70%	75%	100%	150%	Other	Total Exposure to credit
Central governments or central banks	679	-	-	-	-	-	-	-	0	-	-	679
Regional government or local authorities	-	-	-	-	-	-	-	-	-	-	-	-
Public sector entities	2	-	-	-	5	-	-	-	-	-	-	7
Multilateral development banks	-	-	-	-	-	-	-	-	-	-	-	-
International organisations	-	-	-	-	-	-	-	-	-	-	-	-
Institutions	1	5,776	-	-	3,278	2,698	-	-	131	0	-	11,884
Corporates	-	-	-	-	5	116	-	-	1,815	9	-	1,945
Retail	-	-	-	-	-	-	-	3	-	-	-	3
Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-
Other items	-	-	-	-	-	-	-	-	0	5	-	6
<b>TOTAL EXPOSURE VALUE</b>	<b>682</b>	<b>5,776</b>	<b>-</b>	<b>-</b>	<b>3,288</b>	<b>2,814</b>	<b>-</b>	<b>3</b>	<b>1,947</b>	<b>14</b>	<b>-</b>	<b>14,524</b>

## 2.2.3.4 Exposure to counterparty risk under the advanced approach

### COUNTERPARTY RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE, SUPERVISORY PORTFOLIOS FOR FOUNDATION INTERNAL RATINGS-BASED APPROACH AT 30 JUNE 2023 (CCR4)

30/06/2023	PD scale	Exposure value	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	RWA	Density of risk weighted exposure amounts
<i>Exposure classes (in millions of euros)</i>							
Institutions	0.00 to <0.15	65	0.07%	45.00%	2.27	20	31.43%
	0.15 to <0.25	15	0.21%	45.00%	2.50	10	63.75%
	0.25 to <0.50	-	-	-	-	-	-
	0.50 to <0.75	2	0.60%	45.00%	2.50	1	79.98%
	0.75 to <2.50	-	5.56%	44.44%	2.50	-	88.89%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	1	20.00%	45.00%	2.50	2	286.68%
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>82</b>	<b>0.25%</b>	<b>45.00%</b>	<b>2.32</b>	<b>33</b>	<b>40.08%</b>
Corporates - Other	0.00 to <0.15	438	0.04%	45.00%	2.49	76	17.36%
	0.15 to <0.25	15	0.16%	45.00%	2.50	6	41.58%
	0.25 to <0.50	63	0.35%	45.00%	2.50	40	62.81%
	0.50 to <0.75	22	0.60%	45.00%	2.50	17	80.00%
	0.75 to <2.50	31	0.97%	45.00%	2.50	30	96.08%
	2.50 to <10.00	14	6.65%	45.00%	2.50	26	191.97%
	10.00 to <100.00	7	21.64%	45.00%	2.50	19	260.26%
	100.00 (Default)	4	100.00%	45.00%	2.50	-	-
	<b>Sub-total</b>	<b>593</b>	<b>1.23%</b>	<b>45.00%</b>	<b>2.49</b>	<b>214</b>	<b>36.09%</b>
Corporates - SME	0.00 to <0.15	3	0.07%	45.00%	2.50	1	18.10%
	0.15 to <0.25	-	0.16%	45.00%	2.50	-	30.15%
	0.25 to <0.50	24	0.38%	45.00%	2.50	11	46.51%
	0.50 to <0.75	4	0.60%	45.00%	2.50	2	62.52%
	0.75 to <2.50	33	0.98%	45.00%	2.50	23	69.30%
	2.50 to <10.00	10	3.72%	45.00%	2.50	10	101.34%
	10.00 to <100.00	1	18.75%	45.00%	2.50	2	178.85%
	100.00 (Default)	1	100.00%	45.00%	2.50	-	-
	<b>Sub-total</b>	<b>76</b>	<b>2.47%</b>	<b>45.00%</b>	<b>2.50</b>	<b>48</b>	<b>63.76%</b>
<b>TOTAL</b>		<b>751</b>	<b>1.25%</b>	<b>45.00%</b>	<b>2.47</b>	<b>295</b>	<b>39.32%</b>

**COUNTERPARTY RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE,  
SUPERVISORY PORTFOLIOS FOR FOUNDATION INTERNAL RATINGS-BASED APPROACH AT 31  
DECEMBER 2022 (CCR4)**

31/12/2022	PD scale	Exposure value	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	RWA	Density of risk weighted exposure amounts
<i>Exposure classes (in millions of euros)</i>							
Institutions	0.00 to <0.15	81	0.09%	45.00%	2.50	30	37.54%
	0.15 to <0.25	23	0.21%	45.00%	2.50	14	63.59%
	0.25 to <0.50	-	-	-	0.00	-	-
	0.50 to <0.75	1	0.60%	45.00%	2.50	1	79.98%
	0.75 to <2.50	-	1.10%	45.00%	2.50	-	124.50%
	2.50 to <10.00	-	-	-	0.00	-	-
	10.00 to <100.00	-	20.00%	45.00%	2.50	1	286.68%
	100.00 (Default)	-	-	-	0.00	-	-
	<b>Sub-total</b>	<b>104</b>	<b>0.17%</b>	<b>45.00%</b>	<b>2.50</b>	<b>46</b>	<b>44.17%</b>
Corporates - Other	0.00 to <0.15	466	0.04%	45.00%	3.78	114	24.40%
	0.15 to <0.25	6	0.16%	45.00%	2.66	3	42.65%
	0.25 to <0.50	73	0.33%	45.00%	2.48	44	59.79%
	0.50 to <0.75	20	0.60%	45.00%	2.50	16	80.01%
	0.75 to <2.50	27	0.97%	45.00%	2.54	26	95.92%
	2.50 to <10.00	12	5.25%	45.00%	2.50	21	173.55%
	10.00 to <100.00	7	16.57%	45.00%	2.50	17	243.69%
	100.00 (Default)	5	100.00%	45.00%	2.51	-	-
	<b>Sub-total</b>	<b>617</b>	<b>1.22%</b>	<b>45.00%</b>	<b>3.47</b>	<b>241</b>	<b>38.99%</b>
Corporates - SME	0.00 to <0.15	5	0.08%	45.00%	2.50	1	19.63%
	0.15 to <0.25	-	0.16%	45.00%	2.50	-	34.47%
	0.25 to <0.50	11	0.40%	45.00%	2.50	5	45.71%
	0.50 to <0.75	2	0.60%	45.00%	2.50	1	60.18%
	0.75 to <2.50	21	1.01%	45.00%	2.50	14	65.71%
	2.50 to <10.00	8	4.12%	45.00%	2.50	9	100.90%
	10.00 to <100.00	1	19.37%	45.00%	2.50	1	175.10%
	100.00 (Default)	2	100.00%	45.00%	2.50	-	-
	<b>Sub-total</b>	<b>50</b>	<b>5.12%</b>	<b>45.00%</b>	<b>2.50</b>	<b>31</b>	<b>61.93%</b>
<b>TOTAL</b>		<b>771</b>	<b>1.33%</b>	<b>45.00%</b>	<b>3.28</b>	<b>318</b>	<b>41.18%</b>

**COUNTERPARTY RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE,  
SUPERVISORY PORTFOLIOS FOR ADVANCED INTERNAL RATINGS-BASED APPROACH AT 30  
JUNE 2023 (CCR4)**

30/06/2023	PD scale	Exposure value	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	RWA	Density of risk weighted exposure amounts
<i>Exposure classes (in millions of euros)</i>							
Central governments and central banks	0.00 to <0.15	8,971	0.01%	7.99%	3.44	180	2.01%
	0.15 to <0.25	380	0.16%	8.14%	2.25	29	7.71%
	0.25 to <0.50	22	0.31%	10.00%	1.36	2	10.22%
	0.50 to <0.75	30	0.60%	10.00%	1.18	4	14.04%
	0.75 to <2.50	167	0.75%	41.50%	2.23	133	79.89%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	3	20.00%	45.00%	4.99	9	279.36%
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>9,574</b>	<b>0.04%</b>	<b>8.60%</b>	<b>3.36</b>	<b>359</b>	<b>3.75%</b>
Institutions	0.00 to <0.15	19,582	0.08%	39.48%	1.97	4,327	22.10%
	0.15 to <0.25	2,904	0.19%	40.43%	1.56	1,273	43.82%
	0.25 to <0.50	928	0.30%	42.60%	1.85	574	61.87%
	0.50 to <0.75	464	0.60%	39.16%	2.07	359	77.24%
	0.75 to <2.50	636	0.60%	28.51%	0.73	370	58.21%
	2.50 to <10.00	-	5.00%	80.00%	1.00	-	159.00%
	10.00 to <100.00	9	20.08%	49.31%	4.57	31	337.50%
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>24,523</b>	<b>0.13%</b>	<b>39.43%</b>	<b>1.88</b>	<b>6,933</b>	<b>28.27%</b>
Corporates - Other	0.00 to <0.15	19,840	0.05%	28.22%	1.64	2,630	13.26%
	0.15 to <0.25	2,012	0.16%	41.72%	2.36	997	49.55%
	0.25 to <0.50	3,707	0.31%	33.12%	1.36	1,479	39.91%
	0.50 to <0.75	1,425	0.60%	40.57%	0.40	680	47.76%
	0.75 to <2.50	1,934	0.87%	49.59%	0.84	1,461	75.55%
	2.50 to <10.00	241	3.75%	44.53%	2.26	340	141.03%
	10.00 to <100.00	50	17.50%	43.51%	1.53	114	227.18%
	100.00 (Default)	2	100.00%	45.00%	2.24	-	0.36%
	<b>Sub-total</b>	<b>29,211</b>	<b>0.24%</b>	<b>31.95%</b>	<b>1.54</b>	<b>7,703</b>	<b>26.37%</b>
Corporates - SME	0.00 to <0.15	7	0.04%	42.56%	2.89	1	14.60%
	0.15 to <0.25	-	-	-	-	-	-
	0.25 to <0.50	1	0.40%	41.10%	4.51	-	56.48%
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	6	1.03%	41.33%	3.42	5	73.05%
	2.50 to <10.00	-	3.19%	41.30%	4.62	-	101.09%
	10.00 to <100.00	-	20.00%	49.02%	1.00	-	196.29%
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>15</b>	<b>0.71%</b>	<b>41.95%</b>	<b>3.25</b>	<b>7</b>	<b>46.10%</b>
Corporates - Specialised lending	0.00 to <0.15	43	0.07%	11.08%	4.74	4	9.66%
	0.15 to <0.25	283	0.16%	26.92%	4.79	87	30.62%
	0.25 to <0.50	188	0.30%	22.86%	4.74	75	39.87%
	0.50 to <0.75	139	0.60%	11.68%	4.90	36	26.01%
	0.75 to <2.50	38	1.39%	13.75%	4.83	16	41.52%
	2.50 to <10.00	3	5.00%	11.21%	3.13	1	41.83%
	10.00 to <100.00	10	19.84%	27.12%	4.84	17	166.47%
	100.00 (Default)	1	100.00%	9.35%	4.99	-	-
	<b>Sub-total</b>	<b>704</b>	<b>0.78%</b>	<b>21.07%</b>	<b>4.80</b>	<b>236</b>	<b>33.44%</b>
Retail - Other SME	0.00 to <0.15	-	-	-	-	-	-
	0.15 to <0.25	-	0.25%	0.51%	1.00	-	26.20%
	0.25 to <0.50	-	-	-	-	-	-
	0.50 to <0.75	-	0.54%	1.00%	1.00	-	82.24%
	0.75 to <2.50	-	1.58%	0.99%	1.00	-	126.14%
	2.50 to <10.00	-	6.24%	0.57%	1.00	-	94.69%
	10.00 to <100.00	1	17.45%	0.57%	1.00	1	130.45%
	100.00 (Default)	-	100.00%	1.54%	1.00	-	-
	<b>Sub-total</b>	<b>1</b>	<b>8.57%</b>	<b>0.61%</b>	<b>1.00</b>	<b>1</b>	<b>89.27%</b>
<b>TOTAL</b>		<b>64,028</b>	<b>0.17%</b>	<b>31.20%</b>	<b>1.98</b>	<b>15,238</b>	<b>23.80%</b>

**COUNTERPARTY RISK EXPOSURES BY PORTFOLIO AND PROBABILITY OF DEFAULT (PD) RANGE,  
SUPERVISORY PORTFOLIOS FOR ADVANCED INTERNAL RATINGS-BASED APPROACH AT 31  
DECEMBER 2022 (CCR4)**

31/12/2022	PD scale	Exposure value	Exposure weighted average PD (%)	Exposure weighted average LGD (%)	Exposure weighted average maturity (years)	RWA	Density of risk weighted exposure amounts
<i>Exposure classes (in millions of euros)</i>							
Central governments and central banks	0.00 to <0.15	12,540	0.01%	7.94%	2.90	215	1.71%
	0.15 to <0.25	422	0.16%	7.22%	1.93	28	6.71%
	0.25 to <0.50	24	0.31%	10.00%	1.42	2	10.36%
	0.50 to <0.75	32	0.60%	10.00%	1.41	5	14.69%
	0.75 to <2.50	103	0.75%	45.00%	1.51	77	74.75%
	2.50 to <10.00	-	-	-	0.00	-	-
	10.00 to <100.00	5	20.00%	45.00%	4.77	13	276.99%
	100.00 (Default)	-	-	-	0.00	-	-
	<b>Sub-total</b>	<b>13,126</b>	<b>0.03%</b>	<b>8.23%</b>	<b>2.85</b>	<b>341</b>	<b>2.59%</b>
Institutions	0.00 to <0.15	18,205	0.08%	37.90%	2.09	4,016	22.06%
	0.15 to <0.25	2,746	0.20%	40.60%	1.79	1,321	48.12%
	0.25 to <0.50	922	0.30%	41.84%	1.49	510	55.30%
	0.50 to <0.75	491	0.60%	38.81%	1.64	343	69.96%
	0.75 to <2.50	438	0.91%	43.70%	1.17	394	90.06%
	2.50 to <10.00	3	5.00%	60.69%	1.71	5	157.47%
	10.00 to <100.00	4	19.80%	50.97%	4.76	15	353.60%
	100.00 (Default)	-	100.00%	45.00%	1.64	-	-
	<b>Sub-total</b>	<b>22,808</b>	<b>0.13%</b>	<b>38.52%</b>	<b>2.01</b>	<b>6,604</b>	<b>28.95%</b>
Corporates - Other	0.00 to <0.15	19,302	0.05%	28.13%	1.62	2,399	12.43%
	0.15 to <0.25	2,410	0.16%	38.33%	2.34	1,068	44.30%
	0.25 to <0.50	4,192	0.30%	28.54%	1.30	1,383	32.99%
	0.50 to <0.75	1,933	0.60%	24.42%	0.38	564	29.20%
	0.75 to <2.50	1,855	0.88%	47.29%	1.10	1,433	77.23%
	2.50 to <10.00	410	4.06%	42.81%	2.17	566	138.10%
	10.00 to <100.00	54	16.19%	44.16%	1.61	120	224.22%
	100.00 (Default)	5	100.00%	45.00%	1.80	-	0.51%
	<b>Sub-total</b>	<b>30,161</b>	<b>0.28%</b>	<b>30.17%</b>	<b>1.53</b>	<b>7,533</b>	<b>24.98%</b>
Corporates - SME	0.00 to <0.15	11	0.04%	41.00%	3.29	2	15.74%
	0.15 to <0.25	-	0.20%	83.51%	1.00	-	34.45%
	0.25 to <0.50	2	0.29%	40.95%	2.51	1	36.47%
	0.50 to <0.75	-	0.59%	43.20%	1.00	-	46.20%
	0.75 to <2.50	4	0.98%	39.73%	4.42	3	73.97%
	2.50 to <10.00	-	3.00%	41.10%	1.00	-	65.02%
	10.00 to <100.00	-	20.20%	48.61%	1.00	-	194.89%
	100.00 (Default)	-	-	-	0.00	-	-
	<b>Sub-total</b>	<b>17</b>	<b>0.36%</b>	<b>40.77%</b>	<b>3.41</b>	<b>6</b>	<b>32.13%</b>
Corporates - Specialised lending	0.00 to <0.15	56	0.06%	7.87%	4.62	4	6.35%
	0.15 to <0.25	302	0.16%	25.97%	4.68	109	36.11%
	0.25 to <0.50	155	0.30%	26.57%	4.39	74	47.76%
	0.50 to <0.75	126	0.60%	12.32%	4.97	39	30.50%
	0.75 to <2.50	29	1.19%	14.26%	4.49	12	41.46%
	2.50 to <10.00	6	5.00%	11.29%	2.89	2	41.42%
	10.00 to <100.00	19	15.39%	22.76%	3.61	25	127.93%
	100.00 (Default)	-	100.00%	9.48%	1.01	-	-
	<b>Sub-total</b>	<b>693</b>	<b>0.80%</b>	<b>21.44%</b>	<b>4.61</b>	<b>264</b>	<b>38.08%</b>
Retail - Other SME	0.00 to <0.15	-	-	-	0.00	-	-
	0.15 to <0.25	-	0.22%	53.63%	1.00	-	31.75%
	0.25 to <0.50	-	0.44%	53.67%	1.00	-	49.13%
	0.50 to <0.75	-	0.55%	56.54%	1.00	-	58.46%
	0.75 to <2.50	-	1.33%	53.63%	1.00	-	82.51%
	2.50 to <10.00	-	3.13%	53.61%	1.00	-	103.24%
	10.00 to <100.00	-	14.31%	53.63%	1.00	-	141.60%
	100.00 (Default)	-	100.00%	80.00%	1.00	-	60.00%
	<b>Sub-total</b>	<b>-</b>	<b>1.11%</b>	<b>54.49%</b>	<b>1.00</b>	<b>-</b>	<b>62.05%</b>
<b>TOTAL</b>		<b>66,807</b>	<b>0.19%</b>	<b>28.62%</b>	<b>1.98</b>	<b>14,748</b>	<b>22.08%</b>

## 2.2.3.5 Guarantee

### COMPOSITION OF GUARANTEES FOR COUNTERPARTY RISK EXPOSURES (CCR5)

30/06/2023		Collateral used in derivative transactions				Collateral used in SFTs			
Collateral type (in millions of euros)		Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received		Fair value of posted collateral	
		Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated
1	Cash – domestic currency	-	11,597	43	13,558	-	774	-	1,078
2	Cash – other currencies	-	11,758	87	12,198	-	370	-	194
3	Domestic sovereign debt	-	4,402	-	42	-	144,825	-	135,677
4	Other sovereign debt	-	3,212	-	-	-	169,977	-	137,354
5	Government agency debt	-	66	1,427	4,182	-	21,180	-	15,602
6	Corporate bonds	-	2,157	-	-	-	19,478	-	19,434
7	Equity securities	-	75	-	-	-	23,507	-	14,642
8	Other collateral	-	23	41	43	-	2,140	-	8,768
9	<b>TOTAL</b>	-	<b>33,289</b>	<b>1,599</b>	<b>30,022</b>	-	<b>382,251</b>	-	<b>332,749</b>

31/12/2022		Collateral used in derivative transactions				Collateral used in SFTs			
Collateral type (in millions of euros)		Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received		Fair value of posted collateral	
		Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated
1	Cash – domestic currency	-	14,553	587	16,664	-	1,467	-	1,321
2	Cash – other currencies	-	9,267	117	15,130	-	726	-	544
3	Domestic sovereign debt	-	4,913	-	47	-	138,649	-	128,947
4	Other sovereign debt	-	3,057	-	-	-	121,338	-	99,510
5	Government agency debt	-	24	1,704	2,767	-	12,627	-	10,292
6	Corporate bonds	-	2,152	-	-	-	21,524	-	20,613
7	Equity securities	-	35	-	-	-	22,043	-	12,744
8	Other collateral	-	6	48	48	-	5,045	-	7,669
9	<b>TOTAL</b>	-	<b>34,006</b>	<b>2,456</b>	<b>34,657</b>	-	<b>323,419</b>	-	<b>281,639</b>

### 2.2.3.6 Change in RWA under the internal models method (IMM)

#### STATEMENT OF FLOWS OF RISK-WEIGHTED ASSETS (RWA) FOR COUNTERPARTY RISK EXPOSURES UNDER THE INTERNAL MODELS METHOD (IMM) (CCR7)

30/06/2023

		RWA amounts
<i>(in millions of euros)</i>		
<b>0010</b>	<b>RWAs as at the end of the previous reporting period (31/03/2023)</b>	<b>11,196</b>
0020	Asset size	1,237
0030	Credit quality of counterparties	(42)
0040	Model updates (IMM only)	-
0050	Methodology and policy (IMM only)	-
0060	Acquisitions and disposals	-
0070	Foreign exchange movements	(870)
0080	Other	23
<b>0090</b>	<b>RWAs as at the end of the reporting period (30/06/2023)</b>	<b>11,544</b>



## 2.2.3.7 Central Counterparty Exposures (CCP)

### CENTRAL COUNTERPARTY EXPOSURES (CCP) (CCR8)

		30/06/2023		31/12/2022	
		Exposure value	RWA	Exposure value	RWA
<i>(in millions of euros)</i>					
1	<b>Exposures to QCCPs (total)</b>		<b>409</b>		<b>459</b>
2	Exposures for trades at QCCPs (excluding initial margin and default fund contributions); of which	4,765	95	5,776	116
3	(i) OTC derivatives	3,107	62	2,598	52
4	(ii) Exchange-traded derivatives	11	0	49	1
5	(iii) SFTs	1,648	33	3,129	63
6	(iv) Netting sets where cross-product netting has been approved	-	-	-	-
7	Segregated initial margin	1,209		1,987	
8	Non-segregated initial margin	8,124	33	7,948	80
9	Prefunded default fund contributions	1,130	280	1,024	263
10	Unfunded default fund contributions	-	-		
11	<b>Exposures to non-QCCPs (total)</b>		<b>-</b>		<b>-</b>
12	Exposures for trades at non-QCCPs (excluding initial margin and default fund contributions); of which	-	-	-	-
13	(i) OTC derivatives	-	-	-	-
14	(ii) Exchange-traded derivatives	-	-	-	-
15	(iii) SFTs	-	-	-	-
16	(iv) Netting sets where cross-product netting has been approved	-	-	-	-
17	Segregated initial margin	-		-	
18	Non-segregated initial margin	-	-	-	-
19	Prefunded default fund contributions	-	-	-	-
20	Unfunded default fund contributions	-	-	-	-

## 2.2.3.8 CVA

### CAPITAL REQUIREMENT FOR CREDIT VALUATION ADJUSTMENT (CVA) (CCR2)

		30/06/2023		31/12/2022	
		Exposure value	RWA	Exposure value	RWA
<i>(in millions of euros)</i>					
1	Total transactions subject to the Advanced method	18,578	3,477	19,350	3,383
2	(i) VaR component (including the 3x multiplier)	-	737	-	861
3	(ii) stressed VaR component (including the 3x multiplier)	-	2,739	-	2,522
4	Transactions subject to the Standardised method	22,511	1,771	20,564	1,628
EU4	Transactions subject to the Alternative approach (Based on the Original Exposure Method)	-	-	-	-
5	<b>Total transactions subject to own funds requirements for CVA risk</b>	<b>41,089</b>	<b>5,247</b>	<b>39,914</b>	<b>5,011</b>

## 2.2.3.9 Credit and counterparty risk mitigation techniques

### CRM TECHNIQUES – OVERVIEW (CR3)

30/06/2023		Unsecured carrying amount	Secured carrying amount			
				Of which secured by collateral	Of which secured by financial guarantees	Of which secured by credit derivatives
(in millions of euros)						
1	Loans and advances	670,688	757,847	356,094	401,753	4,678
2	Debt securities	143,889	2,087	12	2,075	
3	TOTAL	814,577	759,934	356,106	403,828	4,678
4	Of which non-performing exposures	5,277	7,692	3,692	4,000	-
5	Of which defaulted	5,222	7,611	3,653	3,958	-

31/12/2022		Unsecured carrying amount	Secured carrying amount			
				Of which secured by collateral	Of which secured by financial guarantees	Of which secured by credit derivatives
(in millions of euros)						
1	Loans and advances	749,388	694,703	332,018	362,686	7,121
2	Debt securities	146,859	2,149	-	2,149	
3	TOTAL	896,247	696,853	332,018	364,835	7,121
4	Of which non-performing exposures	5,198	7,550	4,421	3,129	-
5	Of which defaulted	5,137	7,461	4,369	3,092	-

## 2.2.3.10 Risk mitigation techniques applied to counterparty risk

### EXPOSURES TO CREDIT DERIVATIVES (CCR6)

30/06/2023

(in millions of euros)

		Protection bought	Protection sold
<b>Notionals</b>			
0010	Single-name credit default swaps	16,894	14,230
0020	Index credit default swaps	2,976	811
0030	Total return swaps	-	1,769
0040	Credit options	-	-
0050	Other credit derivatives	-	-
0060	<b>TOTAL NOTIONALS</b>	<b>19,870</b>	<b>16,811</b>
<b>Fair values</b>			
0070	Positive fair value (asset)	136	1,139
0080	Negative fair value (liability)	(484)	(78)

## 2.2.4 Equity exposures in the banking portfolio

### GROSS EXPOSURE AND EXPOSURE AT DEFAULT UNDER THE INTERNAL RATINGS-BASED APPROACH AT 30 JUNE 2023 (CR10.5)

30/06/2023

Categories

(in millions of euros)

	On-balance sheet amount	Off-balance sheet amount	Risk weight	Exposure amount	RWAs	Expected loss amount
Private equity exposures	2,851	100	190%	2,951	5,607	24
Exchange-traded equity exposures	484	-	290%	484	1,404	4
Other equity exposures	14,381	5	370%	14,324	52,997	344
<b>TOTAL</b>	<b>17,716</b>	<b>105</b>		<b>17,759</b>	<b>60,009</b>	<b>371</b>

### GROSS EXPOSURE AND EXPOSURE AT DEFAULT UNDER THE INTERNAL RATINGS-BASED APPROACH AT 31 DECEMBER 2022 (CR10.5)

31/12/2022

Categories

(in millions of euros)

	On-balance sheet amount	Off-balance sheet amount	Risk weight	Exposure amount	RWAs	Expected loss amount
Private equity exposures	2,639	87	190%	2,726	5,180	22
Exchange-traded equity exposures	562	-	290%	562	1,630	4
Other equity exposures	11,876	11	370%	11,832	43,778	284
<b>TOTAL</b>	<b>15,078</b>	<b>98</b>		<b>15,121</b>	<b>50,589</b>	<b>310</b>

## 2.3 Securitisation

### 2.3.1 Exposure at default to securitisation transaction risks in the banking portfolio that generate risk-weighted assets

#### SECURITISATION EXPOSURES IN THE NON-TRADING BOOK (SEC1)

30/06/2023

30/06/2023		Institution acts as originator							Institution acts as sponsor				Institution acts as investor			
		Traditional				Synthetic		Sub-total	Traditional		Synthetic	Sub-total	Traditional			Sub-total
		STS		Non-STs		STS	Non-STs		Non-STs	Synthetic						
		of which SRT	of which SRT	of which SRT	of which SRT											
(in millions of euros)																
1	Total exposures	20,250	-	922	-	16,509	16,509	37,681	3,780	14,647	-	18,427	971	1,562	7	2,540
2	Retail (total)	107	-	206	-	-	-	313	1,275	6,766	-	8,041	971	547	7	1,525
3	Residential mortgage	-	-	-	-	-	-	-	-	1	-	1	120	44	-	164
4	Credit card	-	-	-	-	-	-	-	-	235	-	235	-	-	-	-
5	Other retail exposures	107	-	206	-	-	-	313	1,275	6,530	-	7,805	851	502	-	1,353
6	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	1	7	8
7	Wholesale (total)	20,143	-	716	-	16,509	16,509	37,368	2,505	7,881	-	10,386	-	1,015	-	1,015
8	Loans to corporates	-	-	-	-	13,976	13,976	13,976	-	526	-	526	-	-	-	-
9	Commercial mortgage	-	-	-	-	-	-	-	-	-	-	-	-	11	-	11
10	Lease and receivables	20,143	-	568	-	-	-	20,711	2,505	4,508	-	7,013	-	270	-	270
11	Other wholesale	-	-	148	-	2,533	2,533	2,681	-	2,847	-	2,847	-	734	-	734
12	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

31/12/2022

31/12/2022		Institution acts as originator							Institution acts as sponsor				Institution acts as investor			
		Traditional				Synthetic		Sub-total	Traditional		Synthetic	Sub-total	Traditional			Sub-total
		STS		Non-STS					STS	Non-STS			Non-STS	Synthetic		
			of which SRT		of which SRT											
(in millions of euros)																
1	Total exposures	20,205	-	1,486	-	16,442	16,442	38,133	3,981	15,174	-	19,155	1,032	2,155	7	3,194
2	Retail (total)	107	-	279	-	-	-	386	1,271	7,760	-	9,031	1,032	884	7	1,924
3	Residential mortgage	-	-	-	-	-	-	-	-	1	-	2	140	220	-	360
4	Credit card	-	-	-	-	-	-	-	-	240	-	240	-	-	-	-
5	Other retail exposures	107	-	279	-	-	-	386	1,271	7,518	-	8,789	893	662	-	1,555
6	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	1	7	8
7	Wholesale (total)	20,098	-	1,208	-	16,442	16,442	37,747	2,710	7,414	-	10,124	-	1,271	-	1,271
8	Loans to corporates	-	-	-	-	13,729	13,729	13,729	357	514	-	871	-	-	-	-
9	Commercial mortgage	-	-	-	-	-	-	-	-	-	-	-	-	11	-	11
10	Lease and receivables	20,098	-	1,044	-	-	-	21,142	2,353	4,596	-	6,949	-	478	-	478
11	Other wholesale	-	-	163	-	2,712	2,712	2,876	-	2,303	-	2,303	-	782	-	782
12	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## SECURITISATION EXPOSURES IN THE NON-TRADING BOOK AND ASSOCIATED REGULATORY CAPITAL REQUIREMENTS - INSTITUTION ACTING AS ORIGINATOR OR AS SPONSOR (SEC3)

30/06/2023		Exposure values (by RW bands/deductions)					Exposure values (by regulatory approach)				RWEA (by regulatory approach)				Capital charge after cap			
		≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to <1250% RW	1250% RW/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%
(in millions of euros)																		
1	Total exposures	53,611	2,320	176	-	-	17,617	33,764	4,727	-	2,323	4,986	825	7	186	399	66	1
2	Traditional transactions	37,244	2,320	34	-	-	1,108	33,764	4,727	-	166	4,986	825	7	13	399	66	1
3	Securitisation	37,244	2,320	34	-	-	1,108	33,764	4,727	-	166	4,986	825	7	13	399	66	1
4	Retail underlying	8,245	109	-	-	-	-	6,147	2,207	-	-	942	341	-	-	75	27	-
5	Of which STS	1,382	-	-	-	-	-	1,275	107	-	-	127	11	-	-	10	1	-
6	Wholesale	28,999	2,211	34	-	-	1,108	27,617	2,519	-	166	4,044	483	7	13	323	39	1
7	Of which STS	21,221	1,405	-	-	-	-	22,626	-	-	-	3,189	-	-	-	255	-	-
8	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Synthetic transactions	16,367	-	142	-	-	16,509	-	-	-	2,157	-	-	-	173	-	-	-
10	Securitisation	16,367	-	142	-	-	16,509	-	-	-	2,157	-	-	-	173	-	-	-
11	Retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Wholesale	16,367	-	142	-	-	16,509	-	-	-	2,157	-	-	-	173	-	-	-
13	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

31/12/2022		Exposure values (by RW bands/deductions)					Exposure values (by regulatory approach)				RWEA (by regulatory approach)				Capital charge after cap			
		≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to <1250% RW	1250% RW/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%
(in millions of euros)																		
1	Total exposures	52,898	2,967	1,411	1	12	17,662	35,159	4,468	1	3,278	5,393	836	7	262	431	67	1
2	Traditional transactions	38,012	2,803	32	1	-	1,220	35,159	4,468	1	183	5,393	836	7	15	431	67	1
3	Securitisation	38,012	2,803	32	1	-	1,220	35,159	4,468	1	183	5,393	836	7	15	431	67	1
4	Retail underlying	9,306	111	-	-	-	-	7,162	2,255	-	-	1,142	354	-	-	91	28	-
5	Of which STS	1,378	-	-	-	-	-	1,271	107	-	-	127	11	-	-	10	1	-
6	Wholesale	28,706	2,692	32	1	-	1,220	27,997	2,213	1	183	4,251	482	7	15	340	39	1
7	Of which STS	21,582	1,206	-	-	-	-	22,788	-	-	-	3,286	-	-	-	263	-	-
8	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Synthetic transactions	14,886	164	1,379	-	12	16,442	-	-	-	3,095	-	-	-	248	-	-	-
10	Securitisation	14,886	164	1,379	-	12	16,442	-	-	-	3,095	-	-	-	248	-	-	-
11	Retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Wholesale	14,886	164	1,379	-	12	16,442	-	-	-	3,095	-	-	-	248	-	-	-
13	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## SECURITISATION EXPOSURES IN THE NON-TRADING BOOK AND ASSOCIATED REGULATORY CAPITAL REQUIREMENTS - INSTITUTION ACTING AS INVESTOR (SEC4)

30/06/2023		Exposure values (by RW bands/deductions)					Exposure values (by regulatory approach)				RWEA (by regulatory approach)				Capital charge after cap			
		≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to <1250% RW	1250% RW/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%
(in millions of euros)																		
1	Total exposures	2,327	156	35	14	8	667	1,498	375	-	127	202	462	-	10	16	37	-
2	Traditional securitisation	2,327	156	35	14	1	667	1,498	368	-	127	202	375	-	10	16	30	-
3	Securitisation	2,327	156	35	14	-	667	1,498	367	-	127	202	357	-	10	16	29	-
4	Retail underlying	1,371	138	-	8	-	97	1,268	151	-	27	185	325	-	2	15	26	-
5	Of which STS	931	40	-	-	-	-	852	120	-	-	108	12	-	-	9	1	-
6	Wholesale	956	18	35	6	-	570	230	215	-	100	17	32	-	8	1	3	-
7	Of which STS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Re-securitisation	-	-	-	-	1	-	-	1	-	-	-	18	-	-	-	1	-
9	Synthetic securitisation	-	-	-	-	7	-	-	7	-	-	-	87	-	-	-	7	-
10	Securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Retail underlying	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Re-securitisation	-	-	-	-	7	-	-	7	-	-	-	87	-	-	-	7	-

31/12/2022		Exposure values (by RW bands/deductions)					Exposure values (by regulatory approach)				RWEA (by regulatory approach)				Capital charge after cap			
		≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to <1250% RW	1250% RW/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (including IAA)	SEC-SA	1250%
(in millions of euros)																		
1	Total exposures	2,964	144	76	8	1	758	1,891	543	-	131	238	362	-	10	19	29	-
2	Traditional securitisation	2,957	144	76	8	1	758	1,891	536	-	131	238	273	-	10	19	22	-
3	Securitisation	2,957	144	76	8	-	758	1,891	535	-	131	238	259	-	10	19	21	-
4	Retail underlying	1,751	124	38	2	-	26	1,495	393	-	6	219	236	-	-	18	19	-
5	Of which STS	997	-	35	-	-	-	895	137	-	-	114	14	-	-	9	1	-
6	Wholesale	1,206	20	38	7	-	732	396	142	-	125	19	23	-	10	2	2	-
7	Of which STS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Re-securitisation	-	-	-	-	1	-	-	1	-	-	-	14	-	-	-	1	-
9	Synthetic securitisation	7	-	-	-	-	-	-	7	-	-	-	89	-	-	-	7	-
10	Securitisation	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Retail underlying	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Wholesale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## EXPOSURES SECURITISED BY THE INSTITUTION - EXPOSURES IN DEFAULT AND SPECIFIC CREDIT RISK ADJUSTMENTS (SEC5)

30/06/2023

30/06/2023   (in millions of euros)		Exposures securitised by the institution - Institution acts as originator or as sponsor		
		Total outstanding nominal amount		Total amount of specific credit risk adjustments made during the period
1	Total exposures	56,108	1,587	
2	Retail (total)	8,354	15	
3	Residential mortgage	1	-	
4	Credit card	235	-	
5	Other retail exposures	8,118	15	
6	Re-securitisation	-	-	
7	Wholesale (total)	47,754	1,572	
8	Loans to corporates	14,502	149	
9	Commercial mortgage	-	-	
10	Lease and receivables	27,724	1,407	
11	Other wholesale	5,528	16	
12	Re-securitisation	-	-	

31/12/2022

31/12/2022   (in millions of euros)		Exposures securitised by the institution - Institution acts as originator or as sponsor		
		Total outstanding nominal amount		Total amount of specific credit risk adjustments made during the period
		1	Total exposures	
2	Retail (total)	9,417	20	
3	Residential mortgage	2	-	
4	Credit card	240	-	
5	Other retail exposures	9,175	20	
6	Re-securitisation	-	-	
7	Wholesale (total)	47,851	1,146	
8	Loans to corporates	14,600	140	
9	Commercial mortgage	-	-	
10	Lease and receivables	28,072	1,002	
11	Other wholesale	5,179	5	
12	Re-securitisation	-	-	

## 2.3.2 Exposure at default of securitisation transaction risks in the trading book that generate risk-weighted assets

### SECURITISATION EXPOSURES IN THE TRADING BOOK (SEC2)

30/06/2023		Institution acts as originator				Institution acts as sponsor				Institution acts as investor			
		Traditional		Synthetic	Sub-total	Traditional		Synthetic	Sub-total	Traditional		Synthetic	Sub-total
		STS	Non-STS			STS	Non-STS			STS	Non-STS		
(in millions of euros)													
1	Total exposures	-	-	-	-	-	-	-	-	-	153	-	153
2	Retail (total)	-	-	-	-	-	-	-	-	-	147	-	147
3	Residential mortgage	-	-	-	-	-	-	-	-	-	119	-	119
4	Credit card	-	-	-	-	-	-	-	-	-	-	-	-
5	Other retail exposures	-	-	-	-	-	-	-	-	-	14	-	14
6	Re-securitisation	-	-	-	-	-	-	-	-	-	14	-	14
7	Wholesale (total)	-	-	-	-	-	-	-	-	-	6	-	6
8	Loans to corporates	-	-	-	-	-	-	-	-	-	-	-	-
9	Commercial mortgage	-	-	-	-	-	-	-	-	-	-	-	-
10	Lease and receivables	-	-	-	-	-	-	-	-	-	6	-	6
11	Other wholesale	-	-	-	-	-	-	-	-	-	-	-	-
12	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-

31/12/2022		Institution acts as originator				Institution acts as sponsor				Institution acts as investor			
		Traditional		Synthetic	Sub-total	Traditional		Synthetic	Sub-total	Traditional		Synthetic	Sub-total
		STS	Non-STS			STS	Non-STS			STS	Non-STS		
(in millions of euros)													
1	Total exposures	-	-	-	-	-	-	-	-	-	162	-	162
2	Retail (total)	-	-	-	-	-	-	-	-	-	139	-	139
3	Residential mortgage	-	-	-	-	-	-	-	-	-	113	-	113
4	Credit card	-	-	-	-	-	-	-	-	-	-	-	-
5	Other retail exposures	-	-	-	-	-	-	-	-	-	11	-	11
6	Re-securitisation	-	-	-	-	-	-	-	-	-	15	-	15
7	Wholesale (total)	-	-	-	-	-	-	-	-	-	22	-	22
8	Loans to corporates	-	-	-	-	-	-	-	-	-	-	-	-
9	Commercial mortgage	-	-	-	-	-	-	-	-	-	-	-	-
10	Lease and receivables	-	-	-	-	-	-	-	-	-	22	-	22
11	Other wholesale	-	-	-	-	-	-	-	-	-	-	-	-
12	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-

Exposure at default only concerns traditional securitisations.



## 2.4 Market risk

### 2.4.1 Exposure to market risk of the trading book

#### 2.4.1.1 Risk weighted exposure using the standardised approach

##### RISK-WEIGHTED ASSETS USING STANDARDISED APPROACH (MR1)

		30/06/2023	31/12/2022
		RWA	RWA
<i>(in millions of euros)</i>			
	Futures and forwards		
1	Interest rate risk (general and specific)	681	539
2	Risk on shares (general and specific)	-	-
3	Currency risk	2,679	2,897
4	Commodities risk	17	21
	Options		
5	Simplified approach	-	-
6	Delta-plus method	4	2
7	Scenarios based approach	26	32
8	Securitisation (specific risk)	47	57
9	<b>TOTAL</b>	<b>3,455</b>	<b>3,549</b>

## 2.4.1.2 Exposures using the internal models approach

### MARKET RISK UNDER THE INTERNAL MODELS APPROACH (MR2-A)

		30/06/2023		31/12/2022	
		RWA	Capital requirement	RWA	Capital requirement
<i>(in millions of euros)</i>					
<b>1</b>	<b>VaR (higher of values a and b)</b>	<b>3,034</b>	<b>243</b>	<b>3,739</b>	<b>299</b>
(a)	Previous day's VaR (VaRt-1)		49		49
(b)	Multiplication factor (mc) x average of previous 60 working days (VaRavg)		243		299
<b>2</b>	<b>SVaR (higher of values a and b)</b>	<b>4,138</b>	<b>331</b>	<b>5,696</b>	<b>456</b>
(a)	Latest available SVaR (SVaRt-1))		66		69
(b)	Multiplication factor (ms) x average of previous 60 working days (sVaRavg)		331		456
<b>3</b>	<b>IRC (higher of values a and b)</b>	<b>2,696</b>	<b>216</b>	<b>1,839</b>	<b>147</b>
(a)	Most recent IRC measure		183		64
(b)	12 weeks average IRC measure		216		147
<b>4</b>	<b>Comprehensive risk measure (higher of values a, b and c)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
(a)	Most recent risk measure of comprehensive risk measure		-		-
(b)	12 weeks average of comprehensive risk measure		-		-
(c)	Comprehensive risk measure Floor		-		-
<b>5</b>	<b>Other</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>6</b>	<b>TOTAL</b>	<b>9,867</b>	<b>789</b>	<b>11,274</b>	<b>902</b>

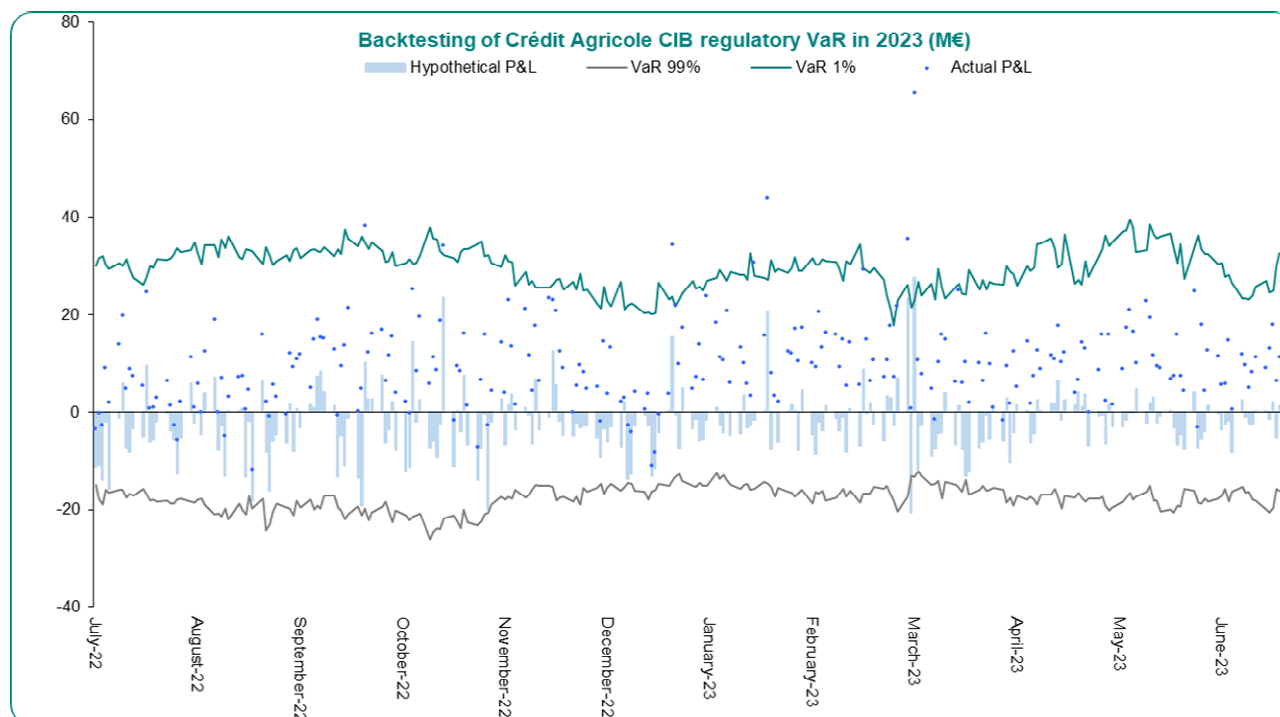
### MARKET RISK EXPOSURES UNDER THE INTERNAL MODELS APPROACH (MR2-B)

30/06/2023		VaR	SVaR	IRC	Comprehensive risk measure	Other	Total RWAs	Total own funds requirements
<i>(in millions of euros)</i>								
<b>1</b>	<b>RWEAs at previous period end (31/03/2023)</b>	2,706	3,259	2,313	-	-	8,278	662
1a	Regulatory adjustment	2,060	2,470	453	-	-	4,983	399
1b	RWEAs at the previous quarter-end (end of the day)	646	789	1,860	-	-	3,294	264
2	Movement in risk levels	(17)	175	436	-	-	593	48
3	Model updates/changes	-	-	-	-	-	-	-
4	Methodology and policy	-	-	-	-	-	-	-
5	Acquisitions and disposals	-	-	-	-	-	-	-
6	Foreign exchange movements	(12)	(140)	(13)	-	-	(165)	(13)
7	Other	-	-	-	-	-	-	-
8a	RWEAs at the end of the reporting period (end of the day)	617	824	2,282	-	-	3,723	298
8b	Regulatory adjustment	2,416	3,315	413	-	-	6,145	492
<b>8</b>	<b>RWEAs at the end of the reporting period (30/06/2023)</b>	<b>3,034</b>	<b>4,138</b>	<b>2,696</b>	<b>-</b>	<b>-</b>	<b>9,867</b>	<b>789</b>

## VALUES OF THE TRADING BOOK THE INTERNAL MODELS APPROACH (IMA) (MR3)

(in millions of euros)		30/06/2023	31/12/2022
1	<b>VaR (10 days, 99 %)</b>		
2	Maximum value	66	84
3	Mean value	54	48
4	Minimum value	41	21
5	End of period value	49	49
6	<b>VaR in stressed period (10 days, 99 %)</b>		
7	Maximum value	96	133
8	Mean value	70	76
9	Minimum value	43	46
10	End of period value	66	69
11	<b>Capital requirement in line with IRC (99,9 %)</b>		
12	Maximum value	260	432
13	Mean value	149	134
14	Minimum value	50	49
15	End of period value	140	49
16	<b>Capital requirement in line with CRM (99,9 %)</b>		
17	Maximum value	-	-
18	Mean value	-	-
19	Minimum value	-	-
20	End of period value	-	-
21	Floor (standard measure method)	-	-

### 2.4.2 Back testing of the VAR model (MR4)



### 3. INFORMATION ON THE LIQUIDITY REQUIREMENT MODEL

#### 3.1 Regulatory Short-Term Liquidity Coverage Ratio (LCR)

##### Quantitative information on the LCR (EU LIQ 1)

Average 12-month rolling LCR calculated as at September 30<sup>th</sup> 2022, December 31<sup>st</sup> 2022, March 31<sup>st</sup> 2023 and June 30<sup>th</sup> 2023.

Template EU LIQ1 - Quantitative information of LCR

Liquidity Coverage Ratio average over 12 months (LCR)		Total unweighted value (average)				Total weighted value (average)			
Scope of consolidation: CREDIT AGRICOLE GROUP									
(In millions of euros)									
EU 1a	Quarter ending on	30/06/2023	31/03/2023	31/12/2022	30/09/2022	30/06/2023	31/03/2023	31/12/2022	30/09/2022
EU 1b	Number of data points used in the calculation of averages	12	12	12	12	12	12	12	12
HIGH-QUALITY LIQUID ASSETS									
1	Total high-quality liquid assets (HQLA)					377 024	390 500	403 468	412 118
CASH-OUTFLOWS									
2	Retail deposits and deposits from small business customers, of which:	617 290	616 762	613 680	608 134	39 794	40 112	40 142	39 792
3	Stable deposits	436 362	436 418	433 415	428 948	21 818	21 821	21 671	21 447
4	Less stable deposits	180 928	180 344	180 264	179 186	17 976	18 291	18 471	18 344
5	Unsecured wholesale funding	371 415	380 204	387 594	392 631	168 123	171 027	173 446	178 119
6	Operational deposits (all counterparties) and deposits in networks of cooperative banks	157 747	162 259	165 760	163 330	38 838	39 993	40 890	40 361
7	Non-operational deposits (all counterparties)	186 213	191 098	197 760	205 719	101 830	104 188	108 483	114 176
8	Unsecured debt	27 455	26 847	24 074	23 582	27 455	26 847	24 074	23 582
9	Secured wholesale funding					34 933	32 763	31 633	29 894
10	Additional requirements	240 140	237 454	234 579	230 784	67 482	65 789	63 239	59 873
11	Outflows related to derivative exposures and other collateral requirements	45 158	43 078	40 830	37 883	31 119	29 558	27 198	24 353
12	Outflows related to loss of funding on debt products		-		-		-		
13	Credit and liquidity facilities	194 983	194 376	193 749	192 901	36 363	36 230	36 041	35 520
14	Other contractual funding obligations	46 374	44 751	44 773	46 501	6 634	6 076	5 771	5 728
15	Other contingent funding obligations	69 960	67 604	64 476	63 233	3 759	3 636	3 481	3 426
16	TOTAL CASH OUTFLOWS					320 725	319 404	317 713	316 831
CASH-INFLOWS									
17	Secured lending (e.g. reverse repos)	224 151	215 113	204 159	201 359	36 137	34 571	32 881	30 184
18	Inflows from fully performing exposures	61 190	61 641	61 045	58 427	36 533	36 405	35 738	33 593
19	Other cash inflows	8 014	7 421	7 168	7 328	8 014	7 421	7 168	7 328
EU-19a	(Difference between total weighted inflows and total weighted outflows arising from transactions in third countries where there are transfer restrictions or which are denominated in non-convertible currencies)						-	-	-
EU-19b	(Excess inflows from a related specialised credit institution)						-	-	-
20	TOTAL CASH INFLOWS	293 356	284 175	272 372	267 114	80 685	78 398	75 787	71 104
EU-20a	Fully exempt inflows	-	-	-	-	-	-	-	-
EU-20b	Inflows subject to 90% cap		-	-	-		-	-	-
EU-20c	Inflows subject to 75% cap	233 191	227 215	219 372	217 588	80 685	78 398	75 787	71 104
TOTAL DE LA VALEUR AJUSTEE									
EU-21	LIQUIDITY BUFFER					377 024	390 500	403 468	412 118
22	TOTAL NET CASH OUTFLOWS*					240 040	241 006	241 925	245 727
23	LIQUIDITY COVERAGE RATIO**					157,32%	162,55%	167,35%	168,56%

\*the net cash outflows are calculated on average on the amounts observed (over the 12 regulatory declarations concerned) including the application of a cap on cash inflows (maximum of 75% of gross outflows), if applicable

\*\*the average LCR ratios reported in the table above now correspond to the arithmetic average of the last 12 month-end ratios declared over the observation period, in accordance with the requirements of the European CRR2 regulation.

## 3.2 Net Stable Funding Ratio (NSFR)

### Quantitative information on the NSFR – EU LIQ 2

As of September 30<sup>th</sup> 2022, 31 December 31<sup>st</sup> 2022, March 31<sup>st</sup> 2023 and June 30<sup>th</sup> 2023

Template EU LIQ2: Net Stable Funding Ratio  
in accordance with Article 451a(3) CRR

Net Stable Funding Ratio (NSFR) at 30/09/2022		a	b	c	d	e
Scope of consolidation : GROUPE CREDIT AGRICOLE		Unweighted value by residual maturity				Weighted value
(in millions of euros)		No maturity	< 6 months	6 months to < 1yr	≥ 1yr	
Available stable funding (ASF) Items						
1	Capital items and instruments	124 956	0	59	18 998	143 983
2	Own funds	124 956	0	59	18 998	143 983
3	Other capital instruments		-	-	-	-
4	Retail deposits		619 120	1 631	4 210	584 862
5	Stable deposits		439 465	49	2 580	420 118
6	Less stable deposits		179 656	1 582	1 629	164 744
7	Wholesale funding		707 849	144 394	208 918	459 849
8	Operational deposits		154 767	-	-	77 383
9	Other wholesale funding		553 083	144 394	208 918	382 465
10	Interdependent liabilities		78 176	-	-	-
11	Other liabilities	747	145 860	1 323	45 320	45 981
12	NSFR derivative liabilities	747				-
13	All other liabilities and capital instruments not included in the above categories		145 860	1 323	45 320	45 981
14	Total available stable funding (ASF)					1 234 674
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					17 346
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		314	506	51 977	44 878
16	Deposits held at other financial institutions for operational purposes		7 708	-	-	3 854
17	Performing loans and securities:		385 095	94 073	861 512	798 992
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		155 703	10 289	5 117	12 712
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		63 954	5 247	29 724	37 412
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:	-	107 275	51 139	363 215	395 271
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk	-	3 073	1 877	9 776	8 829
22	Performing residential mortgages, of which:	-	19 946	20 471	435 889	318 395
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		16 326	16 949	408 190	291 280
24	Other loans and securities that are not in default and do not qualify as HQLA, including exchange-traded equities and trade finance on-balance sheet products		38 217	6 927	27 566	35 202
25	Interdependent assets		78 176	-	-	-
26	Other assets:		100 544	2 427	95 607	143 705
27	Physical traded commodities				-	-
28	Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs		4 023	-	546	3 884
29	NSFR derivative assets		-			-
30	NSFR derivative liabilities before deduction of variation margin posted		7 639			382
31	All other assets not included in the above categories		88 881	2 427	95 061	139 439
32	Off-balance sheet items		75 492	14 375	199 783	17 062
33	Total required stable funding (RSF)					1 025 836
34	Net Stable Funding Ratio (%)					120.36%

**Template EU LIQ2: Net Stable Funding Ratio**  
in accordance with Article 451a(3) CRR

Net Stable Funding Ratio (NSFR) at 31/12/2022		a	b	c	d	e
Scope of consolidation : GROUPE CREDIT AGRICOLE		Unweighted value by residual maturity				Weighted value
(in millions of euros)		No maturity	< 6 months	6 months to < 1yr	≥ 1yr	
Available stable funding (ASF) Items						
1	Capital items and instruments	126 780		143	17 844	144 696
2	Own funds	126 780		143	17 844	144 696
3	Other capital instruments					
4	Retail deposits		620 169	2 748	4 130	586 848
5	Stable deposits		441 800	59	2 316	422 083
6	Less stable deposits		178 369	2 688	1 814	164 765
7	Wholesale funding		739 660	62 733	206 822	422 207
8	Operational deposits		169 574			84 787
9	Other wholesale funding		570 086	62 733	206 822	337 420
10	Interdependent liabilities		81 101			
11	Other liabilities	571	129 796	4 086	42 697	44 740
12	NSFR derivative liabilities	571				
13	All other liabilities and capital instruments not included in the above categories		129 796	4 086	42 697	44 740
14	Total available stable funding (ASF)					1 198 492
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					8 789
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		255	418	53 481	46 031
16	Deposits held at other financial institutions for operational purposes		6 672			3 336
17	Performing loans and securities:		382 274	88 163	864 909	794 288
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		160 092	5 003	5 005	10 025
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		59 534	5 731	30 394	38 741
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		105 912	50 236	364 483	397 008
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		1 668	994	11 410	8 747
22	Performing residential mortgages, of which:		19 575	20 063	440 345	316 314
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		16 402	17 029	413 002	289 969
24	Other loans and securities that are not in default and do not qualify as HQLA, including exchange-traded equities and trade finance on-balance sheet products		37 161	7 129	24 682	32 199
25	Interdependent assets		81 101			
26	Other assets:		94 432	4 609	99 783	146 273
27	Physical traded commodities				-	
28	Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs		3 762		533	3 651
29	NSFR derivative assets		-			
30	NSFR derivative liabilities before deduction of variation margin posted		6 346			317
31	All other assets not included in the above categories		84 324	4 609	99 250	142 304
32	Off-balance sheet items		72 969	15 078	199 873	17 106
33	Total required stable funding (RSF)					1 015 823
34	Net Stable Funding Ratio (%)					117.98%

Net Stable Funding Ratio (NSFR) at 31/03/2023		a	b	c	d	e
Scope of consolidation : GROUPE CREDIT AGRICOLE		Unweighted value by residual maturity				Weighted value
(in millions of euros)		No maturity	< 6 months	6 months to < 1yr	≥ 1yr	
Available stable funding (ASF) Items						
1	Capital items and instruments	128 418	57	82	17 145	145 605
2	Own funds	128 418	57	82	17 145	145 605
3	Other capital instruments					
4	Retail deposits		615 038	3 794	5 212	584 166
5	Stable deposits		439 984	131	2 670	420 780
6	Less stable deposits		175 053	3 662	2 542	163 386
7	Wholesale funding		757 272	87 710	203 194	419 757
8	Operational deposits		148 814			74 407
9	Other wholesale funding		608 458	87 710	203 194	345 350
10	Interdependent liabilities		86 871			
11	Other liabilities	-	141 533	4 939	53 573	56 043
12	NSFR derivative liabilities	-				
13	All other liabilities and capital instruments not included in the above categories		141 533	4 939	53 573	56 043
14	Total available stable funding (ASF)					1 205 571
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					9 776
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		372	303	54 978	47 305
16	Deposits held at other financial institutions for operational purposes		7 187			3 594
17	Performing loans and securities:		426 323	95 067	868 235	792 111
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		202 067	7 927	5 665	13 309
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		64 190	9 475	29 561	40 077
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		103 733	51 747	368 171	392 180
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		1 659	647	11 371	8 544
22	Performing residential mortgages, of which:		20 024	20 027	442 633	316 319
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		16 636	16 922	414 919	289 515
24	Other loans and securities that are not in default and do not qualify as HQLA, including exchange-traded equities and trade finance on-balance sheet products		36 310	5 890	22 206	30 226
25	Interdependent assets		86 871			
26	Other assets:		148 689	3 208	100 018	162 237
27	Physical traded commodities				-	
28	Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs		12 931		538	11 448
29	NSFR derivative assets		5 421			5 421
30	NSFR derivative liabilities before deduction of variation margin posted		46 724			2 336
31	All other assets not included in the above categories		83 614	3 208	99 481	143 032
32	Off-balance sheet items		64 502	19 865	199 332	16 895
33	Total required stable funding (RSF)					1 031 918
34	Net Stable Funding Ratio (%)					116,83%

**Template EU LIQ2: Net Stable Funding Ratio**  
in accordance with Article 451a(3) CRR

Net Stable Funding Ratio (NSFR) at 30/06/2023		a	b	c	d	e
Scope of consolidation : GROUPE CREDIT AGRICOLE		Unweighted value by residual maturity				Weighted value
(in millions of euros)		No maturity	< 6 months	6 months to < 1yr	≥ 1yr	
Available stable funding (ASF) Items						
1	Capital items and instruments	131 140	75		16 923	148 063
2	Own funds	131 140	75		16 923	148 063
3	Other capital instruments					
4	Retail deposits		615 385	3 313	5 236	584 033
5	Stable deposits		439 171	216	2 334	419 752
6	Less stable deposits		176 214	3 096	2 902	164 281
7	Wholesale funding		697 933	81 315	205 596	423 429
8	Operational deposits		140 855			70 428
9	Other wholesale funding		557 078	81 315	205 596	353 001
10	Interdependent liabilities		90 808			
11	Other liabilities	-	154 920	2 607	44 990	46 293
12	NSFR derivative liabilities	-				
13	All other liabilities and capital instruments not included in the above categories		154 920	2 607	44 990	46 293
14	Total available stable funding (ASF)					1 201 818
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					9 487
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		534	342	60 281	51 983
16	Deposits held at other financial institutions for operational purposes		5 923			2 961
17	Performing loans and securities:		395 816	97 913	868 190	797 158
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		173 211	11 825	5 257	15 858
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		63 989	9 247	29 311	43 027
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		103 661	49 903	369 781	392 624
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		1 122	595	11 888	8 585
22	Performing residential mortgages, of which:		19 833	20 272	442 060	315 710
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		16 570	16 947	413 803	288 397
24	Other loans and securities that are not in default and do not qualify as HQLA, including exchange-traded equities and trade finance on-balance sheet products		35 123	6 665	21 780	29 941
25	Interdependent assets		94 560			
26	Other assets:		150 749	2 885	99 378	159 946
27	Physical traded commodities				-	
28	Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs		8 695		528	7 840
29	NSFR derivative assets		6 439			6 439
30	NSFR derivative liabilities before deduction of variation margin posted		50 643			2 532
31	All other assets not included in the above categories		84 972	2 885	98 850	143 135
32	Off-balance sheet items		61 855	19 283	201 599	16 929
33	Total required stable funding (RSF)					1 038 465
34	Net Stable Funding Ratio (%)					115.73%

At the end of June 2023, the NSFR ineffectiveness of T-LTRO refinancing with a residual maturity of less than 6 months continued. Nevertheless, the execution of a sustained Group refinancing plan in the first half of 2023, allows to maintain a stable level of financing slightly higher by €3.3 billion compared to end-December 2022.



## 4. GLOBAL INTEREST RATE RISK

In accordance with Article 448 of Regulation (EU) 2019/876 of the European Parliament and of the Council of 20 May 2019 (known as "CRR2") amending Regulation (EU) 575/2013 (CRR), Crédit Agricole Group is required to publish information on interest rate risk.

### 4.1 Qualitative information on interest rate risk management in the banking portfolio (EU IRRBBA standard)

Compared to the publication of 31 December 2022, the first half of 2023 we observed a reversal of the Euro yield curve with a 10-year rate 1% lower than the 1-year rate.

### 4.2 Quantitative information on interest rate risk

The tables below show the sensitivity of economic value and net interest income to various interest rate shock scenarios.

Interest rate risk of banking portfolio activities (Table EU IRRBB1)

Change in economic value (in billions of euros)	30/06/2023	31/12/2022
1 Parallel up	(10,7)	(10,2)
2 Parallel down	5,9	3,2
3 Steepener	(2,2)	(2,1)
4 Flatteners	0,1	0,1
5 Short rate up	(3,0)	(2,8)
6 Short rate down	1,4	(2,3)

Change in net interest income (in billions of euros)	30/06/2023			31/12/2022		
	Year 1	Year 2	Year 3	Year 1	Year 2	Year 3
1 Parallel up (+ 50 bp)	0,5	0,7	0,9	0,7	1,1	1,5
2 Parallel down (- 50 bp)	(0,3)	(0,6)	(0,9)	(0,6)	(1,1)	(1,5)

The sensitivity figures for net interest income above are calculated assuming i) a pass-through rate<sup>1</sup> of 100% applied to housing loans (and 100% to other items), ii) an immediate pass-through of interest rate changes to assets and liabilities (for all variable rate instruments already on the balance sheet, and only for new transactions in the case of fixed rate instruments) and iii) sight deposits maintained at their current high level with no paid interest (based on the assumptions of the EBA stress tests). In practice, the change in net interest margin would materialize more gradually than the results given above suggest.

By performing an alternative calculation with the following assumptions:

- A pass-through rate of 50% applied to housing loans,
- A migration of deposits without contractual maturity to rate sensitive products (livret A and market refinancing) calibrated according to ALM models, resulting in an equivalent of sensitivity to the rate of these NMD of 6%, 15% and 24% for the 3 years.

The NII sensitivities in year 1, year 2 and year 3 would be respectively +€0.4 billion, +€0.4 billion and +€0.3 billion for a parallel upward shock scenario, and respectively -€0.2 billion, -€0.2 billion and -€0.3 billion for a parallel downward shock scenario.

<sup>1</sup> The pass-through rate is the sensitivity of customer rates to a change in market rates.

## Calculation assumptions

The calculation assumptions and rate shock scenarios are defined by the European Banking Authority (EBA) in the “Guidance on the management of interest rate risk arising from non-trading book activities”.

- **Economic value**

The EBA Guidance specifies how the change in economic value should be calculated. This is determined on the basis of a 30-year rolling balance sheet from which the value of equity and fixed assets is excluded. The average maturity of deposits without contractual maturity (sight deposits and savings books) outside financial institutions is limited to five years.

An instantaneous interest rate shock scenario is considered. The interest rate shocks used are the ones for the main economic regions to which Crédit Agricole Group has exposure, namely the eurozone, Switzerland and the United States.

<i>(in basis points)</i>	EUR	USD	CHF
Parallel shock	200	200	100
Short shock	250	300	150
Long shock	100	150	100

The steepening and flattening of the yield curve scenarios are non-uniform scenarios where maturity-dependent interest rate shocks are applied to both short and long rates.

- **Net interest income**

The change in net interest income is calculated for a horizon of one, two and three years, assuming a constant balance sheet and therefore an identical renewal of the maturing transactions. An instantaneous interest rate shock scenario of 50 basis points is considered here, regardless of the currency.

Between the two approaches, sensitivities are reversed: the economic value of Crédit Agricole Group falls if interest rates rise, while the net interest margin increases.

The fall in economic value in the event of a rate hike is due to a generally lower volume of fixed-rate liabilities than fixed-rate assets on future maturities.

Conversely, the net interest margin increases if interest rates rise, as the sensitivity of renewed assets to rate changes is higher than that of renewed liabilities, due to the fact that liabilities include equity and Retail customer resources (sight deposits and regulated savings), which are little or not sensitive to interest rate increases.

## 5. DISCLOSURES ON ENVIRONMENTAL, SOCIAL AND GOVERNANCE RISKS (ESG RISKS)

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### 5.1 Qualitative ESG Pillar 3

Crédit Agricole SA's Pillar 3 ESG qualitative information was disclosed in its 2022 Universal Registration Document in section 5.3.9. This document is available on the internet site <https://www.credit-agricole.com/en/finance/financial-publications>. No significant change occurred in the first half of 2023.

## 5.2 Quantitative ESG Pillar 3

### Model 1: Banking portfolio – Indicators of transition risk potentially related to climate change: Credit quality of exposures by sector, emissions and residual maturity

Sector/subsector	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p
		Gross carrying amount				Accumulated impairment, accumulated negative			GHG financed		GHG emissions (column i): gross carrying amount percentage of the portfolio	Breakdown by maturity bucket				
Sector/subsector		Of which exposures towards companies excluded from EU Paris-aligned Benchmarks	Of which environmentally sustainable (CCM)	Of which stage 2 exposures	Of which non-performing exposures		Of which Stage 2 exposures	Of which non-performing exposures		Of which Scope 3 financed emissions		<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years	Average weighted maturity
1 Exposures towards sectors that highly contribute to climate change*	413 784	24 369		47 417	12 263	10 589	3 023	5 994				228 285	82 431	89 912	13 156	6.55
2 A - Agriculture, forestry and fishing	50 820	10		6 018	1 723	1 904	506	1 098				21 150	16 627	12 279	764	7.12
3 B - Mining and quarrying	9 855	5 377		1 829	453	334	194	130				8 323	1 409	113	10	2.42
4 B.05 - Mining of coal and lignite	96	-		2	0	0	0	0				96	0	-	0	0.69
5 B.06 - Extraction of crude petroleum and natural gas	5 701	3 623		1 237	40	144	123	15				4 662	938	99	1	2.83
6 B.07 - Mining of metal ores	1 898	1 016		466	20	73	68	2				1 729	168	1	0	1.58
7 B.08 - Other mining and quarrying	926	88		97	360	111	2	108				735	177	12	0	2.69
8 B.09 - Mining support service activities	1 234	649		27	33	6	1	4				1 101	125	0	8	2.11
9 C - Manufacturing	76 699	10 587		6 651	1 933	1 561	453	930				63 921	10 099	1 903	776	3.05
10 C.10 - Manufacture of food products	12 741	80		798	381	312	70	186				9 484	2 468	544	245	3.74
11 C.11 - Manufacture of beverages	5 907	49		361	48	74	22	30				4 263	1 232	381	32	3.68
12 C.12 - Manufacture of tobacco products	10	-		1	0	0	0	0				10	0	-	0	1.50
13 C.13 - Manufacture of textiles	950	-		186	20	17	5	10				728	160	45	18	4.10
14 C.14 - Manufacture of wearing apparel	777	-		88	60	32	2	28				714	43	9	11	2.60
15 C.15 - Manufacture of leather and related products	599	-		72	21	12	3	9				518	65	14	2	2.42
16 C.16 - Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	1 164	-		104	41	30	4	24				750	335	52	26	4.78
17 C.17 - Manufacture of pulp, paper and paperboard	1 783	-		62	20	23	5	16				1 534	235	6	7	2.39
18 C.18 - Printing and service activities related to printing	528	-		65	27	16	2	13				427	80	8	13	3.72
19 C.19 - Manufacture of coke oven products	2 576	1 639		180	88	22	1	20				2 138	341	84	14	2.78
20 C.20 - Production of chemicals	4 999	620		421	34	55	27	22				4 232	645	81	40	2.85
21 C.21 - Manufacture of pharmaceutical preparations	3 223	526		223	4	26	20	2				2 710	485	11	17	2.96
22 C.22 - Manufacture of rubber products	2 439	36		408	45	45	19	18				1 820	536	33	50	3.92
23 C.23 - Manufacture of other non-metallic mineral products	1 913	3		256	51	48	10	27				1 472	366	31	43	3.92
24 C.24 - Manufacture of basic metals	7 731	5 346		460	69	116	76	36				7 439	275	10	8	1.71
25 C.25 - Manufacture of fabricated metal products, except machinery and equipment	5 384	101		1 070	333	316	103	193				4 406	801	131	46	3.29
26 C.26 - Manufacture of computer, electronic and optical products	4 349	93		173	20	18	6	8				3 980	325	40	5	1.82
27 C.27 - Manufacture of electrical equipment	3 167	239		267	84	32	13	15				2 794	332	14	27	2.76
28 C.28 - Manufacture of machinery and equipment n.e.c.	4 402	23		457	180	151	15	128				3 762	517	62	61	3.11
29 C.29 - Manufacture of motor vehicles, trailers and semi-trailers	6 724	1 821		486	77	56	13	38				6 480	169	52	23	1.69
30 C.30 - Manufacture of other transport equipment	2 624	10		130	151	44	19	20				2 310	189	100	25	2.89
31 C.31 - Manufacture of furniture	549	-		86	69	30	2	26				362	112	65	10	4.89
32 C.32 - Other manufacturing	957	-		131	38	38	9	27				720	176	25	36	4.38
33 C.33 - Repair and installation of machinery and equipment	1 204	0		164	72	48	7	35				869	213	105	17	4.06
34 D - Electricity, gas, steam and air conditioning supply	30 452	6 351		1 867	362	210	48	112				20 494	4 516	4 776	667	5.42
35 D.35.1 - Electric power generation, transmission and distribution	26 258	5 129		1 741	342	184	39	105				18 296	3 499	3 802	661	5.40
36 D.35.11 - Production of electricity	20 594	2 447		1 407	295	172	37	99				13 185	3 088	3 567	638	5.82
37 D.35.2 - Manufacture of gas; distribution of gaseous fuels through mains	3 953	1 139		122	18	25	8	6				2 104	947	901	1	5.37
38 D.35.3 - Steam and air conditioning supply	241	82		4	3	2	0	2				94	70	72	4	8.00
39 E - Water supply; sewerage, waste management and remediation activities	3 007	44		217	43	41	8	27				1 586	697	644	80	6.25
40 F - Construction	18 522	221		2 918	1 061	852	146	601				14 132	2 480	1 309	600	4.30
41 F.41 - Construction of buildings	8 203	25		661	500	379	41	293				3 980	757	836	299	4.25
42 F.42 - Civil engineering	2 324	178		386	64	70	13	46				1 689	358	198	79	4.39
43 F.43 - Specialised construction activities	7 995	17		1 870	497	402	92	262				6 133	1 365	275	222	4.32
44 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	64 466	1 052		7 398	2 287	1 958	376	1 347				44 206	13 501	5 592	1 167	4.24
45 H - Transportation and storage	28 806	715		5 722	1 261	454	108	301				20 192	6 612	1 648	355	4.25
46 H.49 - Land transport and transport via pipelines	11 484	512		842	142	118	35	60				8 068	2 550	718	149	4.47
47 H.50 - Water transport	8 959	180		2 517	405	201	22	167				6 529	1 823	467	140	4.07
48 H.51 - Air transport	5 389	4		1 887	678	90	36	52				3 757	1 404	188	41	3.87
49 H.52 - Warehousing and support activities for transportation	2 836	19		473	34	43	13	22				1 733	805	274	24	4.71
50 H.53 - Postal and courier activities	137	-		3	1	1	0	1				105	31	1	1	2.85
51 I - Accommodation and food service activities	15 254	3		4 834	1 044	954	371	447				8 788	3 920	2 189	357	5.91
52 L - Real estate activities	115 904	11		9 963	2 095	2 322	814	1 000				25 493	22 571	59 460	8 381	11.29
53 Exposures towards sectors other than those that highly contribute to climate change*	150 995	1 210		9 490	3 900	2 444	438	1 699				100 657	25 260	10 470	14 608	6.17
54 K - Financial and insurance activities	71 610	899		1 501	785	800	105	604				47 932	8 803	3 798	11 077	7.09
55 Exposures to other sectors (NACE codes J, M - U)	79 385	311		7 988	3 115	1 644	332	1 095				52 725	16 457	6 672	3 531	5.34
56 TOTAL	564 779	25 579		56 906	16 163	13 033	3 460	7 693				328 942	107 692	100 382	27 764	6.45

\* In accordance with the Commission delegated regulation (EU) 2020/1818 supplementing regulation (EU) 2016/1011 as regards minimum standards for EU Climate Transition Benchmarks and EU Paris-aligned Benchmarks - Climate Benchmark Standards Regulation - Recital 6: Sectors listed in Sections A to H and Section L of Annex I to Regulation (EC) No 1893/2006

According to the provisions of Article 449 bis of Regulation (EU) No. 575/2013 institutions shall disclose their exposures to corporates excluded from the European Union Paris Agreement benchmarks in accordance with Article 12-(1)-(d) to (g) and Article 12-(2) of Regulation (EU) 2020/1818. Institutions shall declare the gross carrying amount of exposures to these excluded counterparties. These are corporates that meet the following criteria:

- derive at least 1% of their revenues from the exploration, extraction, distribution or refining of anthracite and lignite;
- derive at least 10% of their revenues from the exploration, extraction, distribution or refining of liquid fuels;
- derive at least 50% of their revenues from the exploration, extraction, manufacture or distribution of gaseous fuels;
- derive at least 50% of their revenues from electricity production, presenting a GHG emission intensity in excess of 100 gCO<sub>2</sub>e/kWh;
- Corporates that cause significant harm to at least one of the environmental targets are also excluded.

For the 30 June 2023 reporting, the Credit Agricole Group, as for the closing of 31 December 2022, used Moody's supplier data to gather a list of corporates excluded from Paris Agreement benchmarks.

In addition, the institutions allocate exposures to corporates, i.e. loans and receivables, debt securities and equity instruments classified in the accounting portfolios of the banking book, excluding financial assets held for trading or assets held for sale, at the relevant maturity tranche according to the residual maturity of the financial instrument.

In order to include financial instruments with no maturity date in its calculation of average maturity of exposures, the Credit Agricole Group uses the highest tranche, i.e. 20 years.

Please note that a significant proportion of Credit Agricole S.A.'s exposure to corporates excluded from the EU's Paris Agreement benchmarks is already covered by decarbonisation pathways (Power and Oil & Gas). In addition, the Group is continuing its work to incorporate other Group sectors and activities into its decarbonisation trajectory.

For this second year ended 30 June 2023, the Credit Agricole Group did not publish columns relating to greenhouse gas emissions financed, but is preparing to publish them by 30 June 2024.

## Model 2: Banking book - Climate change transition risk: Loans collateralised by immovable property - Energy efficiency of the collateral

Counterparty sector		Total gross carrying amount amount (in MEUR)															
		Level of energy efficiency (EP score in kWh/m² of collateral)						Level of energy efficiency (EPC label of collateral)							Without EPC label of collateral		
		0; <= 100	> 100; <= 200	> 200; <= 300	> 300; <= 400	> 400; <= 500	> 500	A	B	C	D	E	F	G			efficiency (EP score in kWh/m² of collateral) estimated
1	Total EU area	546 794	84 049	163 144	156 078	70 387	22 638	18 061	4 519	5 239	15 842	28 485	18 591	7 679	9 083	457 356	93%
2	Of which Loans collateralised by commercial immovable property	71 510	9 307	10 586	8 973	5 057	3 358	3 928	579	806	611	700	456	196	209	67 954	55%
3	Of which Loans collateralised by residential immovable property	475 281	74 742	152 558	147 106	65 330	19 280	14 134	3 940	4 433	15 232	27 785	18 135	7 484	8 874	389 399	99%
4	Of which Collateral obtained by taking possession: residential and commercial immovable properties	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0%
5	Of which Level of energy efficiency (EP score in kWh/m² of collateral) estimated	500 610	80 171	158 455	153 210	69 265	22 025	17 484								453 780	94%
6	Total non-EU area	12 199	28	1 273	382	18	2	28	79	187	254	198	28	7	22	11 425	10%
7	Of which Loans collateralised by commercial immovable property	6 497	-	1 251	358	1	0	26	74	185	253	193	26	-	-	5 767	18%
8	Of which Loans collateralised by residential immovable property	5 702	28	22	23	17	1	2	5	2	1	5	2	7	22	5 658	1%
9	Of which Collateral obtained by taking possession: residential and commercial immovable properties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Of which Level of energy efficiency (EP score in kWh/m² of collateral) estimated	1 114	18	1 066	15	14	1	0	-	-	-	-	-	-	-	6 872	16%

Institutions must disclose the gross carrying amount of loans secured by commercial and residential real estate and foreclosed real estate collateral, and provide information on the energy efficiency of the collateral. In addition, and in order to take into account the specific nature of the French banking model, the Credit Agricole Group has included all guaranteed mortgage loans in this model.

In accordance with the model's requirements, and in the absence of an energy performance certificate, institutions have the option to estimate energy performance, expressed in kilowatt hours of primary energy per square metre per year (kWh/m²/year) in lines 5 and 10 of the model. The Credit Agricole Group estimated the energy performance of properties for which an energy performance diagnosis is not available, only in France. The estimates were made on the basis of primary energy consumption distributed by French departments, using data made available by ADEME for residential and tertiary buildings. Credit Agricole Italia also developed a model for estimating primary energy consumption based on several criteria such as year of construction, building type, surface area and postcode; the model was tested during climate stress test exercises and shared with the ECB as part of this work.

## Model 3: Banking portfolio – Indicators of transition risk potentially related to climate change: Alignment parameters

Credit Agricole S.A. defined targets and pathways for 2022 that are aligned with a net zero scenario for financing activities in five sectors (based on an initial calculation of its sectoral greenhouse gas emissions for the 2020 reference year). To this end, a Net Zero methodology was developed based on a series of key methodology choices described in Chapter 2 “Non-financial performance” of the 2022 Universal Registration Document.

To align portfolios with the target of limiting global warming to 1.5°C, Credit Agricole S.A. based its pathways on the work of the IEA (NZE 2050 scenario), with the guidance of a Scientific Committee formed for the purpose. The NZE 2050 scenario will be replaced in some sectors by specific scenarios, which are more granular (geographically or by asset type) but respecting the 1.5°C pathway.

For each sector, one or more indicators have been, or will be, defined to capture corporates' performance and progress towards decarbonisation. These metrics will be tracked and monitored so as to engage customers in ongoing dialogue and to make informed financing decisions.

2020 baselines/starting points, interim targets and action plans to help achieve carbon neutrality by 2050 will be published in Part 3.4.5 “Net Zero Banking Alliance: define our targets and sector commitments” of Chapter 2 of the 2022 URD.

A methodological document customarily called a “White Paper”, explaining the climate strategy, detailing the commitment choices and listing the achievements, will also be published in 2023.

**Model 4: Banking portfolio – Indicators of transition risk potentially related to climate change: Exposure to the 20 largest carbon-intensive corporate**

	a	b	c	d	e
	Gross carrying amount	Gross carrying amount towards the counterparties compared to total gross carrying amount	Of which environmentally sustainable (CCM)	Average weighted maturity	Number of top 20 polluting firms included
1	6 615,54	0,00		3,46	13,00

In this model, institutions report aggregate exposures to a maximum of 20 counterparties from amongst the top 20 corporate carbon emitters in the world. In accordance with the model's instructions, the Credit Agricole Group used a public list to identify the 20 most carbonintensive corporates. The Climate Accountability Institute's list was selected.

In addition, since the model only covers on-balance sheet exposures, the Credit Agricole Group voluntarily publishes the share of off-balance sheet exposures to the most carbon-intensive counterparties, for reasons of transparency on financing already granted. For the year ended 30 June 2023, the share of these off-balance sheet exposures amounted to €6.6 billion.

## Model 5: Banking portfolio – Indicators of physical risk potentially related to climate change: Exposures subject to physical risk

Geographical Zone - France	Gross carrying amount													
	of which exposures sensitive to impact from climate change physical events													
	Breakdown by maturity bucket					of which exposures sensitive to impact from chronic climate change events	of which exposures sensitive to impact from acute climate change events	of which exposures sensitive to impact both from chronic and acute climate	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair			
	<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years	Average weighted maturity							of which Stage 2 exposures	Of which non-performing exposures	
1 A - Agriculture, forestry and fishing	38 888	3 153	2 414	1 132	68	6,2	3 267	3 500	6 767	745	181	217	54	123
2 B - Mining and quarrying	1 014	51	13	1	0	3,8	29	35	65	7	2	0	0	0
3 C - Manufacturing	29 446	1 453	432	62	37	4,0	904	1 080	1 984	268	74	58	14	36
4 D - Electricity, gas, steam and air conditioning supply	12 901	455	110	221	39	7,8	374	452	826	54	6	6	2	2
5 E - Water supply; sewerage, waste management and remediation activities	1 577	55	26	16	4	6,4	46	55	101	6	2	2	0	1
6 F - Construction	12 518	1 036	201	62	47	4,3	638	707	1 346	260	69	60	12	38
7 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	43 709	2 626	1 284	480	91	4,9	2 119	2 362	4 481	592	173	157	33	104
8 H - Transportation and storage	8 637	347	156	38	12	5,0	250	302	553	58	15	11	2	7
9 L - Real estate activities	42 898	1 236	993	1 978	404	10,3	2 188	2 424	4 612	313	60	84	27	32
10 Loans collateralised by residential immovable property	440 781	968	2 951	12 271	9 785	16,8	3 078	18 200	18 283	1 807	154	95	44	39
11 Loans collateralised by commercial immovable property	61 259	103	356	1 000	59	10,7	402	1 144	1 089	169	32	34	16	13
12 Repossessed collaterals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Other relevant sectors (breakdown below where relevant)	84 414	4 315	1 951	637	1 186	8,5	3 800	4 290	8 090	1 035	309	219	71	120

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Geographical Zone - European Union (excl.France)	Gross carrying amount													
	of which exposures sensitive to impact from climate change physical events													
	Breakdown by maturity bucket					of which exposures sensitive to impact from chronic climate change events	of which exposures sensitive to impact from acute climate change events	of which exposures sensitive to impact both from chronic and acute climate change events	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair			
	<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years	Average weighted maturity							of which Stage 2 exposures	Of which non-performing exposures	
1 A - Agriculture, forestry and fishing	2 315	396	105	93	3	5,0	281	316	597	52	24	19	3	14
2 B - Mining and quarrying	1 020	121	3	0	0	2,4	56	68	124	25	2	1	0	1
3 C - Manufacturing	26 024	3 079	324	13	7	2,5	1 528	1 894	3 422	143	46	41	7	28
4 D - Electricity, gas, steam and air conditioning supply	5 991	738	117	53	1	4,5	405	504	909	76	3	3	1	1
5 E - Water supply; sewerage, waste management and remediation activities	442	39	12	14	0	5,6	29	35	64	2	1	1	0	1
6 F - Construction	1 916	281	45	23	6	3,9	164	190	354	47	54	42	3	38
7 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	9 845	1 482	80	15	18	1,9	721	875	1 596	97	44	34	2	29
8 H - Transportation and storage	5 673	539	121	56	1	3,7	307	409	716	151	21	12	2	8
9 L - Real estate activities	2 938	370	108	55	4	4,7	249	289	538	37	73	40	2	37
10 Loans collateralised by residential immovable property	30 290	63	219	988	882	17,8	107	2 138	2 245	172	32	22	8	12
11 Loans collateralised by commercial immovable property	7 834	90	237	130	21	8,6	73	463	536	57	52	31	3	27
12 Repossessed collaterals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Other relevant sectors (breakdown below where relevant)	42 901	4 760	971	203	247	3,7	2 792	3 389	6 181	374	107	93	20	61

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
Geographical Zone - excluding European Union	Gross carrying amount													
	of which exposures sensitive to impact from climate change physical events													
	Breakdown by maturity bucket					of which exposures sensitive to impact from chronic climate change events	of which exposures sensitive to impact from acute climate change events	of which exposures sensitive to impact both from chronic and acute climate	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair			
	<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years	Average weighted maturity							of which Stage 2 exposures	Of which non-performing exposures	
1 A - Agriculture, forestry and fishing	755	236	0	0	37	4,7	113	160	273	60	53	62	17	44
2 B - Mining and quarrying	7 807	1 394	351	7	5	2,6	659	1 099	1 757	129	46	29	12	13
3 C - Manufacturing	19 720	3 785	285	35	66	2,1	1 593	2 578	4 172	282	113	73	26	43
4 D - Electricity, gas, steam and air conditioning supply	10 949	1 300	429	109	6	3,4	720	1 124	1 844	159	73	13	1	11
5 E - Water supply; sewerage, waste management and remediation activities	790	59	19	17	3	5,1	40	58	97	20	0	0	0	-
6 F - Construction	1 480	195	0	-	31	5,0	100	126	226	26	5	3	0	2
7 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	8 947	1 719	42	20	26	1,3	759	1 047	1 806	155	73	55	9	44
8 H - Transportation and storage	14 147	1 463	488	79	23	4,1	847	1 206	2 052	513	111	32	8	23
9 L - Real estate activities	2 537	410	22	14	2	2,1	203	244	447	13	0	1	1	0
10 Loans collateralised by residential immovable property	7 671	1 120	60	33	4	3,3	353	429	782	173	11	5	2	2
11 Loans collateralised by commercial immovable property	4 763	16	367	185	51	10,7	440	522	963	90	5	3	1	2
12 Repossessed collaterals	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Other relevant sectors (breakdown below where relevant)	32 459	4 896	259	58	183	-	2 286	3 110	5 396	295	200	172	7	160



This model covers the banking portfolio's exposures to the effects of both chronic and acute physical climate change events. For this second exercise ending 30 June 2023, the Credit Agricole Group estimated the percentage of its exposures subject to acute climatic hazards at 5.5% and its exposures subject to chronic climatic hazards at 3.1%.

In accordance with the model's requirements, the Credit Agricole Group used portals, databases and studies made available by EU bodies, national governments and private players to identify locations exposed to climate change-related events and to estimate the sensitivity of assets and activities to these events, based on projections to 2050.

To date, measuring these sensitivities currently has limitations, particularly in terms of data, with impacts on a number of methodological choices: this is the case when measuring physical assets' sensitivity to physical risks (e.g. location sufficiently granular to be directly linked to a localised hazard), and even more so for economic activities (e.g. location of supply chains to determine disruption). As a result, while the approach adopted has made it possible to measure certain hazards for assets financed or in collateral, it relies on the use of portfolio-level proxies for measuring economic activities, and does not distinguish between economic activities affected by both chronic and acute hazards (for the sake of conservatism, the field dedicated to this measurement has been supplemented by taking the sum of the two measurements).

The Crédit Agricole Group is working on non-financial data and methods of measuring the risks using such data. This work will gradually help to incorporate additional physical risk hazards and to refine the assessment of sensitivity to various hazards.

For this half-yearly reporting, the reporting sensitivity levels were projected from the sensitivity levels computed based on data at end-December 2022 and end-March 2023, using a conservative approach. It should be noted that, using a constant method between December 2022 and March 2023, the differences in sensitivity levels are not material.

## Model 10 – Other climate change mitigation measures not covered in Regulation (EU) 2020/852

	a	b	c	d	e	f
	Type of financial instrument	Type of counterparty	Gross carrying amount	Type of risk mitigated (Climate change transition risk)	Type of risk mitigated (Climate change physical risk)	Qualitative information on the nature of the mitigating actions
1	Bonds (e.g. green, sustainable, sustainability-linked under standards other than the EU standards)	Financial corporations	1 535	Y		Bonds identified as Green or Sustainable according to Euronext or Bloomberg Bonds referentials
2		Non-financial corporations	604	Y		Bonds identified as Green or Sustainable according to Euronext or Bloomberg Bonds referentials
3		Of which Loans collateralised by commercial immovable property	-			Bonds identified as Green or Sustainable according to Euronext or Bloomberg Bonds referentials
4		Other counterparties	5 299	Y		Bonds identified as Green or Sustainable according to Euronext or Bloomberg Bonds referentials
5	Loans (e.g. green, sustainable, sustainability-linked under standards other than the EU standards)	Financial corporations	538	Y		Sustainability linked loans, renewable energies, sustainable transportation (electric or hydrogen vehicles, railway)
6		Non-financial corporations	29 955	Y		Sustainability linked loans, renewable energies, sustainable transportation (electric or hydrogen vehicles, railway)
7		Of which Loans collateralised by commercial immovable property	5 969	Y		Immovable properties compliant with current national building standards/immovable properties with an EPC Label A, B or C
8		Households	89 525	Y		Hybrid and electric vehicles in addition with below elements
9		Of which Loans collateralised by residential immovable property	81 156	Y		Immovable properties compliant with current national building standards/immovable properties with an EPC Label A, B or C
10		Of which building renovation loans	2 044	Y		Energy renovation work and Zero-Interest sustainable loans
11		Other counterparties	1 075	Y		Same as financial or non financial corporations

This model covers other climate change mitigation measures and includes exposures of institutions that are not aligned with the Taxonomy under Regulation (EU) 2020/852, but which nevertheless support counterparties in the transition and adaptation process for climate change mitigation and adaptation targets.

The Credit Agricole Group has an internal reference framework that defines “sustainable” assets and so responds to the Credit Agricole Group’s strategic choices in relation to the Societal Project. These are assets that meet the current French construction standard (2012 Thermal Building Regulations) or that correspond to the regulated products, Éco-prêt à taux zéro (zero-rate eco-loan) and Prêt Économie d’Énergie (energy savings loan), in the property and renovation sectors. In addition, for this second financial year ending 30 June 2023, the Credit Agricole Group also includes assets that could meet the requirements of the Taxonomy’s technical criteria, but for which the criteria could not be fully verified, for example loans financing renewable energy (photovoltaic, solar thermal, wind power etc.). The Credit Agricole Group also publishes Green Bonds held as assets and identified according to the benchmark published by Euronext. The benchmark Euronext of ISIN codes linked to Green/Sustainable/Sustainable Linked Bonds has been updated, notably with bonds newly issued in the first half of 2023.

**Declaration concerning the publication of the information required under Part 8  
of Regulation (EU) No 575/2013**

**Jérôme Grivet**, Deputy Chief Executive Officer of Crédit Agricole S.A.

**STATEMENT BY THE PERSON RESPONSIBLE**

I certify that, to the best of my knowledge, the information required under Part 8 of Regulation (EU) No 575/2013 (and subsequent amendments) has been published in accordance with the formal policies and internal procedures, systems and controls.

Montrouge, September 8<sup>th</sup> 2023

**The Deputy Chief Executive Officer of Crédit Agricole S.A.**

Jérôme GRIVET

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Etablissement de crédit soumis aux articles L 225-1 et suivants du Code de commerce et aux articles L 512-47 et suivants du Code monétaire et financier - 784 608 416 RCS Nanterre - FR 77 784 608 416 - Capital 9 077 707 050 euros.