

# **Crédit Agricole S.A. Basel III Pillar 3 Disclosures**

**Review at 30 June 2023**

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## Key phased-in metrics at Crédit Agricole S.A. 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 S.A.'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.

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	43 575	42 736	40 615	41 420	41 839
2	Tier 1 capital	50 931	50 151	46 865	48 128	48 214
3	Total capital	66 186	65 888	63 073	64 535	64 806
<b>Risk-weighted exposure amounts</b>						
4	Total risk-weighted exposure amount	376 873	368 072	361 269	377 360	370 014
<b>Capital ratios (as a percentage of risk-weighted exposure amount)</b>						
5	Common Equity Tier 1 ratio (%)	11.56%	11.61%	11.24%	10.98%	11.31%
6	Tier 1 ratio (%)	13.51%	13.63%	12.97%	12.75%	13.03%
7	Total capital ratio (%)	17.56%	17.90%	17.46%	17.10%	17.51%
<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 (%)	0.34%	0.08%	0.06%	0.03%	0.02%
EU 9a	Systemic risk buffer (%)	0.00%	0.00%	0.00%	0.00%	0.00%
10	Global Systemically Important Institution buffer (%)	0.00%	0.00%	0.00%	0.00%	0.00%
EU 10a	Other Systemically Important Institution buffer (%)					
11	Combined buffer requirement (%)	2.84%	2.58%	2.56%	2.53%	2.52%
EU 11a	Overall capital requirements (%)	12.34%	12.08%	12.06%	12.03%	12.02%
12	CET1 available after meeting the total SREP own funds requirements (%)	6.22%	6.27%	5.85%	5.63%	5.91%

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]	1 280 000	1 321 592	1 284 306	1 420 719	1 353 179
14	Leverage ratio (%) [1]	3.98%	3.79%	3.65%	3.39%	3.56%
<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 (%)	0.00%	0.00%	0.00%	0.00%	0.00%
EU 14e	Overall leverage ratio requirement (%)	3.00%	3.00%	3.00%	3.00%	3.00%
<b>Liquidity Coverage Ratio</b>						
15	Total high-quality liquid assets (HQLA) (Weighted value - average)	347 004	360 513	373 224	381 598	384 092
EU 16a	Cash outflows - Total weighted value	332 982	338 782	343 448	343 712	337 359
EU 16b	Cash inflows - Total weighted value	95 245	92 761	89 929	84 858	80 065
16	Total net cash outflows (adjusted value)	237 737	246 021	253 519	258 854	257 294
17	Liquidity coverage ratio (%)	146.44%	147.21%	147.87%	147.82%	149.75%
<b>Net Stable Funding Ratio</b>						
18	Total available stable funding	955 461	959 522	954 532	931 283	936 056
19	Total required stable funding	847 260	852 394	835 815	803 651	805 023
20	NSFR ratio (%)	112.77%	112.57%	114.20%	115.88%	116.28%

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	43 575	42 736	40 615	41 420	41 839
2	Common Equity Tier 1 (CET1) capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	43 184	42 365	39 857	40 451	40 935
3	Tier 1 capital	50 931	50 151	46 865	48 128	48 214
4	Tier 1 capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	50 540	49 780	46 107	47 159	47 311
5	Total capital	66 186	65 888	63 073	64 535	64 806
6	Total capital as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	65 795	65 517	62 315	63 566	63 903
<b>Risk-weighted assets (amounts)</b>						
7	Total risk-weighted assets	376 873	368 072	361 269	377 360	370 014
8	Total risk-weighted assets as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	376 763	367 994	361 026	377 019	369 708
<b>Capital ratios</b>						
9	Common Equity Tier 1 (as a percentage of risk exposure amount)	11.56%	11.61%	11.24%	10.98%	11.31%
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	11.46%	11.51%	11.04%	10.73%	11.07%
11	Tier 1 (as a percentage of risk exposure amount)	13.51%	13.63%	12.97%	12.75%	13.03%
12	Tier 1 (as a percentage of risk exposure amount) as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	13.41%	13.53%	12.77%	12.51%	12.80%
13	Total capital (as a percentage of risk exposure amount)	17.56%	17.90%	17.46%	17.10%	17.51%
14	Total capital (as a percentage of risk exposure amount) as if IFRS 9 or analogous ECLs transitional arrangements had not been applied	17.46%	17.80%	17.26%	16.86%	17.28%
<b>Leverage ratio</b>						
15	Leverage ratio total exposure measure [1]	1 280 000	1 321 592	1 284 306	1 420 719	1 353 179
16	Leverage ratio [1]	3.98%	3.79%	3.65%	3.39%	3.56%
17	Leverage ratio as if IFRS 9 or analogous ECLs transitional arrangements had not been applied [1]	3.95%	3.77%	3.59%	3.32%	3.50%

Crédit Agricole S.A. 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. Crédit Agricole S.A.'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.

# 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 ("CRR 2") 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	30 904	30 904	29 603	29 603
Consolidated reserves	36 574	36 574	34 527	34 527
Other comprehensive income	(2 866)	(2 866)	(4 934)	(4 934)
Net income (loss) for the year	3 266	3 266	5 437	5 437
<b>EQUITY - GROUP SHARE</b>	<b>67 879</b>	<b>67 879</b>	<b>64 633</b>	<b>64 633</b>
(-) AT1 instruments accounted as equity	(7 235)	(7 235)	(5 989)	(5 989)
Eligible minority interests	4 522	4 522	4 467	4 467
(-) Expected dividend	(1 512)	(1 512)	(3 175)	(3 175)
(-) Prudential filters	(151)	(151)	(64)	(64)
<i>o/w: Prudent valuation</i>	(1 125)	(1 125)	(1 159)	(1 159)
(-) Regulatory adjustments	(18 882)	(18 882)	(18 911)	(18 911)
<i>Goodwills and intangible assets</i>	(18 488)	(18 488)	(18 571)	(18 571)
<i>Deferred tax assets that rely on future profitability excluding those arising from temporary differences</i>	(139)	(139)	(141)	(141)
<i>Shortfall in adjustments for credit risk relative to expected losses under the internal ratings-based approach</i>	(255)	(255)	(200)	(200)
Insufficient coverage for non-performing exposures	(98)	(98)	(67)	(67)
Amount exceeding thresholds	-	-	-	-
Other CET1 components	(948)	(1 339)	(279)	(1 037)
<b>COMMON EQUITY TIER 1 (CET1)</b>	<b>43 575</b>	<b>43 184</b>	<b>40 615</b>	<b>39 857</b>
Additional Tier 1 (AT1) instruments	7 619	5 895	6 467	4 711
Other AT1 components	(263)	(263)	(217)	(217)
<b>TOTAL TIER 1</b>	<b>50 931</b>	<b>48 817</b>	<b>46 865</b>	<b>44 351</b>
Tier 2 instruments	15 144	13 570	16 190	14 364
Other Tier 2 components	111	111	18	18
<b>TOTAL CAPITAL</b>	<b>66 186</b>	<b>62 497</b>	<b>63 073</b>	<b>58 733</b>
<b>TOTAL RISK-WEIGHTED EXPOSURE AMOUNT (RWA)</b>	<b>376 873</b>	<b>376 763</b>	<b>361 269</b>	<b>361 026</b>
<b>CET1 ratio</b>	<b>11.56%</b>	<b>11.46%</b>	<b>11.24%</b>	<b>11.04%</b>
<b>Tier 1 ratio</b>	<b>13.51%</b>	<b>12.96%</b>	<b>12.97%</b>	<b>12.28%</b>
<b>Total capital ratio</b>	<b>17.56%</b>	<b>16.59%</b>	<b>17.46%</b>	<b>16.27%</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	2.84%	2.56%
<b>CET1 requirement</b>	<b>8.19%</b>	<b>7.90%</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>12.34%</b>	<b>12.06%</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	0.00%	0.00%
Countercyclical buffer	0.34%	0.06%
<b>Combined buffer requirement</b>	<b>2.84%</b>	<b>2.56%</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
1	Total risk exposure amount	376 873	361 269
2	Institution specific countercyclical capital buffer rate	0.34%	0.06%
3	<b>Institution specific countercyclical capital buffer requirement</b>	<b>1 286</b>	<b>202</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 (%)	Countercyclical buffer rate (%)
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			Relevant credit risk exposures – Credit risk	Relevant credit exposures – Market risk	Relevant credit exposures – Securitisation positions in the non-trading book	Total			
2	Australia	29	4 926	-	-	-	4 955	62	-	-	62	779	0.27%	1.00%
3	Belgium	6 207	3 723	-	-	3	9 933	208	-	0	208	2 601	0.89%	0.00%
4	Bulgaria	0	0	-	-	-	0	0	-	-	0	0	0.00%	1.50%
5	Croatia	1	0	-	-	-	2	0	-	-	0	1	0.00%	0.50%
6	Czech Republic	43	98	-	-	-	141	8	-	-	8	96	0.03%	2.50%
7	Danemark	454	1 048	-	-	68	1 570	50	-	1	51	632	0.22%	2.50%
8	Estonia	0	9	-	-	-	10	0	-	-	0	1	0.00%	1.00%
9	France	32 718	260 102	184	2 696	26 669	322 369	10 358	230	306	10 895	136 189	46.54%	0.50%
10	Germany	6 997	16 812	-	-	2 386	26 195	809	-	24	834	10 422	3.56%	0.75%
11	Hong Kong	164	5 503	-	-	178	5 845	99	-	3	102	1 270	0.43%	1.00%
12	Iceland	0	0	-	-	-	0	0	-	-	0	0	0.00%	2.00%
13	Ireland	60	5 294	-	-	58	5 413	86	-	1	87	1 083	0.37%	0.50%
14	Luxembourg	2 339	17 741	-	-	4 933	25 013	512	-	0	513	6 409	2.19%	0.50%
15	Netherlands	1 676	7 461	-	-	844	9 982	347	-	10	357	4 468	1.53%	1.00%
16	Norway	2	1 931	-	-	29	1 962	38	-	0	38	480	0.16%	2.50%
17	Romania	7	17	-	-	-	25	1	-	-	1	14	0.00%	0.50%
18	Slovakia	3	5	-	-	-	8	0	-	-	0	6	0.00%	1.00%
19	Sweden	135	2 608	-	-	22	2 764	83	-	0	83	1 034	0.35%	2.00%
20	United-kingdom	2 936	17 109	-	-	2 941	22 987	648	-	40	689	8 607	2.94%	1.00%
21	Other countries *	68 110	165 987	0	-	26 427	260 524	9 153	0	331	9 484	118 555	40.51%	0.00%
22	Total	121 885	510 378	184	2 696	64 556	699 699	22 463	230	718	23 412	292 646	100%	0.34%

\*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<sup>st</sup> 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]	1 475 192	1 483 328
2	Gross-up for derivatives collateral provided, where deducted from the balance sheet assets pursuant to the applicable accounting framework	2 201	4 837
3	(Deductions of receivables assets for cash variation margin provided in derivatives transactions)	(14 670)	(28 089)
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)	(19 197)	(18 897)
7	<b>Total on-balance sheet exposures (excluding derivatives and SFTs) [1]</b>	<b>1 443 527</b>	<b>1 441 179</b>
<b>Derivative exposures</b>			
8	Replacement cost associated with SA-CCR derivatives transactions (ie net of eligible cash variation margin)	30 528	35 788
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	51 948	52 423
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>91 623</b>	<b>95 575</b>
<b>Securities financing transaction (SFT) exposures</b>			
14	Gross SFT assets (with no recognition of netting), after adjustment for sales accounting transactions	316 678	250 774
15	(Netted amounts of cash payables and cash receivables of gross SFT assets)	(152 025)	(120 963)
16	Counterparty credit risk exposure for SFT assets	8 351	5 109
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>173 003</b>	<b>134 920</b>
<b>Other off-balance sheet exposures</b>			
19	Off-balance sheet exposures at gross notional amount	330 821	325 671
20	(Adjustments for conversion to credit equivalent amounts)	(171 859)	(151 320)
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>158 962</b>	<b>174 351</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 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)	(483 555)	(467 899)
EU-22b	(Exposures exempted in accordance with point (j) of Article 429a(1) CRR (on and off balance sheet))	(90 626)	(80 946)
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>(587 115)</b>	<b>(561 720)</b>
<b>Capital and total exposure measure</b>			
23	<b>Tier 1 capital</b>	<b>50 931</b>	<b>46 865</b>
24	<b>Total exposure measure [1]</b>	<b>1 280 000</b>	<b>1 284 306</b>
<b>Leverage ratio</b>			
25	<b>Leverage ratio (%) [1]</b>	<b>3.98%</b>	<b>3.65%</b>
EU-25	Leverage ratio (excluding the impact of the exemption of public sector investments and promotional loans) (%) [1]	3.98%	3.65%
25a	Leverage ratio (excluding the impact of any applicable temporary exemption of central bank reserves) (%) [1]	3.98%	3.65%
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 (%)	0.00%	0.00%
EU-27a	Overall leverage ratio requirement (%)	3.00%	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 December 31, 2022 generating an adjustment to the total exposure measure leverage of -€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	2 179 940
2	Adjustment for entities which are consolidated for accounting purposes but are outside the scope of prudential consolidation	(398 586)
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	(323 983)
9	Adjustment for securities financing transactions (SFTs)	(143 675)
10	Adjustment for off-balance sheet items (ie conversion to credit equivalent amounts of off-balance sheet exposures)	159 160
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)	(483 555)
EU-11b	(Adjustment for exposures excluded from the total exposure measure in accordance with point (j) of Article 429a(1) CRR)	(90 626)
12	Other adjustments	381 341
13	<b>Total exposure measure</b>	<b>1 280 000</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>910 831</b>
EU-2	Trading book exposures	49 187
EU-3	Banking book exposures, of which:	861 644
EU-4	Covered bonds	6 355
EU-5	Exposures treated as sovereigns	252 486
EU-6	Exposures to regional governments, MDB, international organisations and PSE, not treated as sovereigns	9 525
EU-7	Institutions	38 511
EU-8	Secured by mortgages of immovable properties	124 378
EU-9	Retail exposures	125 546
EU-10	Corporates	227 074
EU-11	Exposures in default	11 490
EU-12	Other exposures (eg equity, securitisations, and other non-credit obligation assets)	66 279

## 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 systemically 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 for credit risk, market risk and operational risk amount to € 376.9 billion at 30 June 2023 compared with € 361.3 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>292,792</b>	<b>287,339</b>	<b>276,225</b>	<b>23,423</b>
2	Of which the standardised approach	104,938	98,979	95,093	8,395
3	Of which the Foundation IRB (F-IRB) approach	14,588	31,009	31,213	1,167
4	Of which slotting approach	-	-	-	-
EU 4a	Of which equities under the simple risk weighted approach	40,410	41,976	31,845	3,233
5	Of which the Advanced IRB (A-IRB) approach	127,418	109,918	112,650	10,193
6	<b>Counterparty credit risk - CCR</b>	<b>24,876</b>	<b>23,328</b>	<b>24,061</b>	<b>1,990</b>
7	Of which the standardised approach	3,400	3,166	3,286	272
8	Of which internal model method (IMM)	11,545	11,197	11,855	924
EU 8a	Of which exposures to a CCP	409	503	184	33
EU 8b	Of which credit valuation adjustment - CVA	5,209	4,435	4,936	417
9	Of which other CCR	4,313	4,027	3,800	345
15	<b>Settlement risk</b>	<b>8</b>	<b>4</b>	<b>93</b>	<b>1</b>
16	<b>Securitisation exposures in the non-trading book (after the cap)</b>	<b>8,930</b>	<b>9,771</b>	<b>10,260</b>	<b>714</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	1,286	1,375	1,213	103
EU 19a	Of which 1250%	7	7	7	1
20	<b>Position, foreign exchange and commodities risks (Market risk)</b>	<b>12,787</b>	<b>10,875</b>	<b>14,279</b>	<b>1,023</b>
21	Of which the standardised approach	2,920	2,597	3,004	234
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>37,479</b>	<b>36,755</b>	<b>36,352</b>	<b>2,998</b>
EU 23a	Of which basic indicator approach	-	-	-	-
EU 23b	Of which standardised approach	13,851	13,131	12,885	1,108
EU 23c	Of which advanced measurement approach	23,628	23,624	23,467	1,890
24	Amounts below the thresholds for deduction (subject to 250% risk weight)	11,678	11,417	10,868	934
29	<b>TOTAL</b>	<b>376,873</b>	<b>368,072</b>	<b>361,269</b>	<b>30,150</b>



## 2.1.2 Operating segment information

30/06/2023  (in millions of euros)	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					
French retail banking	4,929	2,075	41,760	-	48,763	5	2,906	13	51,687
International retail banking	31,960	1,324	8,749	-	42,033	19	4,989	59	47,100
Asset gathering and insurance	8,413	28,898	1,025	-	38,337	416	8,109	78	46,940
Specialized financial services	43,399	2,933	18,960	-	65,293	202	4,386	4	69,884
Large customers	15,321	1,464	86,960	280	104,026	4,568	15,777	10,741	135,111
Corporate center	6,316	9,153	7,477	-	22,946	-	1,312	1,892	26,151
<b>TOTAL RISK-WEIGHTED ASSETS</b>	<b>110,338</b>	<b>45,848</b>	<b>164,931</b>	<b>280</b>	<b>321,397</b>	<b>5,209</b>	<b>37,479</b>	<b>12,787</b>	<b>376,873</b>

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

31/12/2022  (in millions of euros)	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					
French retail banking	4,866	2,167	42,227	-	49,261	4	2,866	7	52,138
International retail banking	32,448	1,367	7,484	-	41,300	32	4,803	46	46,181
Asset gathering and insurance	6,924	20,581	839	-	28,345	404	7,811	104	36,663
Specialized financial services	33,864	2,736	18,288	-	54,889	153	3,866	12	58,920
Large customers	14,746	1,398	91,166	263	107,573	4,343	15,775	11,815	139,507
Corporate center	7,588	9,019	7,729	-	24,336	-	1,231	2,294	27,861
<b>TOTAL RISK-WEIGHTED ASSETS</b>	<b>100,437</b>	<b>37,269</b>	<b>167,734</b>	<b>263</b>	<b>305,703</b>	<b>4,936</b>	<b>36,352</b>	<b>14,279</b>	<b>361,269</b>

(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 S.A.'s risk-weighted assets in first-half 2023 :

(in millions of euros)	31/12/2022	Foreign exchange	Organic change and optimisation	Equity-accounted value Insurance	Scope	Method and regulatory changes	Total variation 2023	30/06/2023
Credit risk	305,703	(1,426)	8,046	455	2,688	5,931	15,694	321,397
of which Equity risk	37,269	-	465	455	33	7,626	8,579	45,848
CVA	4,936	-	273	-	-	-	273	5,209
Market risk	14,279	-	108	-	-	(1,600)	(1,492)	12,787
Operational risk	36,352	-	1,127	-	-	-	1,127	37,479
<b>TOTAL</b>	<b>361,269</b>	<b>(1,426)</b>	<b>9,555</b>	<b>455</b>	<b>2,688</b>	<b>4,331</b>	<b>15,603</b>	<b>376,873</b>

Risk-weighted assets totaled €376.9 billion at 30 June 2023, an increase by €15.6 billion (+4.3%) over the first semester due to the increase of the insurance equity-accounted value for €8.1 billion in RWAs 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 +€8.1 billion, including an increase of +€6.8 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 ; +€1.3 billion in the Asset Gathering division and +€1 billion on Retail Banking, 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

This table below shows Crédit Agricole S.A.'s exposure to global risk (credit, counterparty, dilution, settlement and delivery) by exposure class for the standardized 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	61.2	68.2	68.1	8.2	300.8	323.0	319.2	2.9	362.0	391.2	387.2	11.1	0.9
Institutions	35.5	57.1	54.4	8.1	513.2	520.4	514.7	12.1	548.7	577.5	569.1	20.3	1.6
Corporates	124.6	100.8	67.5	52.7	374.6	319.2	277.1	99.9	499.2	420.0	344.6	152.6	12.2
Retail customers	50.7	40.0	37.8	25.9	223.6	223.6	221.7	42.4	274.3	263.6	259.5	68.3	5.5
Loans to individuals	30.3	26.5	25.6	18.8	190.3	190.3	189.7	34.2	220.6	216.9	215.3	53.0	4.2
o/w secured by real estate assets	0.7	0.6	0.6	0.3	116.3	116.3	116.3	9.8	117.0	116.9	116.9	10.1	0.8
o/w revolving	1.7	1.7	1.0	0.7	12.4	12.4	11.8	4.0	14.2	14.1	12.8	4.8	0.4
o/w other	27.9	24.3	24.0	17.8	61.5	61.5	61.6	20.3	89.4	85.8	85.6	38.1	3.1
Loans to small and medium businesses	20.4	13.4	12.2	7.1	33.3	33.3	31.9	8.2	53.7	46.7	44.2	15.3	1.2
o/w secured by real estate assets	0.3	0.3	0.3	0.1	7.6	7.6	7.6	1.7	8.0	7.9	7.9	1.8	0.1
o/w other	20.0	13.1	12.0	7.0	25.7	25.7	24.3	6.5	45.7	38.8	36.3	13.5	1.1
Shares	1.6		1.6	1.9	11.7		11.6	40.4	13.3		13.3	42.3	3.4
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	15.1		14.9	12.2	-		-	-	15.1		14.9	12.2	1.0
<b>TOTAL</b>	<b>294.4</b>		<b>249.5</b>	<b>110.3</b>	<b>1,477.4</b>		<b>1,397.8</b>	<b>205.3</b>	<b>1,771.8</b>		<b>1,647.3</b>	<b>315.7</b>	<b>25.3</b>

(1) Initial gross exposure.

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

## OVERALL RISK EXPOSURE (CREDIT, COUNTERPARTY, DILUTION, SETTLEMENT AND DELIVERY) AT 31 DECEMBRE 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	74.7	81.0	80.8	7.8	332.2	354.5	350.7	2.5	406.9	435.4	431.5	10.3	0.8
Institutions	43.1	70.2	65.8	10.0	507.5	515.8	510.1	13.1	550.6	585.9	576.0	23.1	1.9
Corporates	125.6	97.1	64.4	49.9	384.8	328.0	281.1	102.9	510.4	425.2	345.5	152.8	12.2
Retail customers	41.0	30.4	27.7	18.2	219.2	219.3	216.0	40.2	260.2	249.7	243.8	58.4	4.7
Loans to individuals	23.0	19.5	18.2	12.7	187.0	187.0	186.1	32.9	210.0	206.5	204.4	45.6	3.6
o/w secured by real estate assets	2.2	2.1	2.1	0.8	113.9	113.9	113.9	9.5	116.1	116.0	116.0	10.3	0.8
o/w revolving	2.1	2.0	1.0	0.8	12.4	12.4	11.8	3.9	14.5	14.4	12.8	4.7	0.4
o/w other	18.7	15.4	15.1	11.1	60.7	60.7	60.4	19.4	79.4	76.1	75.5	30.6	2.4
Loans to small and medium businesses	18.0	10.9	9.5	5.5	32.3	32.3	29.9	7.3	50.2	43.2	39.4	12.8	1.0
o/w secured by real estate assets	0.6	0.6	0.5	0.2	7.6	7.6	7.6	1.7	8.3	8.2	8.1	1.9	0.2
o/w other	17.3	10.3	9.0	5.3	24.6	24.6	22.2	5.7	42.0	35.0	31.2	10.9	0.9
Shares	1.3		1.3	1.5	9.3		9.3	31.8	10.6		10.6	33.4	2.7
Securitisations	5.8		5.1	1.2	55.5		55.5	9.0	61.2		60.6	10.3	0.8
Assets other than credit obligation	14.3		14.2	11.7	-		-	-	14.3		14.2	11.7	0.9
<b>TOTAL</b>	<b>305.8</b>		<b>259.3</b>	<b>100.3</b>	<b>1,508.5</b>		<b>1,422.7</b>	<b>199.6</b>	<b>1,814.3</b>		<b>1,682.0</b>	<b>299.9</b>	<b>24.0</b>

(1) Initial gross exposure.

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

Measured in terms of gross exposure, Crédit Agricole S.A.'s total outstanding amounts were down -2.3%.

The main portfolio remains the "Institutions" category with total gross exposure of €548.7 billion. This included €450.5 billion in exposures linked to Crédit Agricole Group internal transactions at 30 June 2023 (€444.9 billion at 31 December 2022).

Excluding these internal transactions, gross exposure for the total loan portfolio was €1,321.4 billion at 30 June 2023, down -3.5% compared to the end of 2022.

The "Central governments and Central Banks" exposure class fell by -11% due mainly to the decrease in Central Banks deposits.

RWA density (defined as the ratio of risk-weighted asset/EAD) was 26.3% on average for retail customers and 44.3% for Corporate 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	473,800	483,053	255,892	806	1,213,887
2	Debt securities	-	46,176	47,778	42,371	2,740	139,065
3	<b>TOTAL</b>	<b>336</b>	<b>519,976</b>	<b>530,832</b>	<b>298,262</b>	<b>3,546</b>	<b>1,352,952</b>

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		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	432,847	483,999	244,393	692	1,162,344
2	Titres de créances	-	43,145	45,052	38,177	2,061	128,436
3	<b>TOTAL</b>	<b>413</b>	<b>475,992</b>	<b>529,052</b>	<b>282,570</b>	<b>2,753</b>	<b>1,290,780</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	173,214	173,203	12	17		17	(4)	(4)	(0)	(17)		(17)			
010	Loans and advances	1,073,310	1,018,792	54,376	14,194	83	14,104	(3,470)	(1,120)	(2,350)	(6,675)	(63)	(6,611)		252,917	4,037
020	Central banks	2,851	2,770	81				(9)	(0)	(9)					1,946	
030	General governments	10,559	9,732	827	152	2	150	(13)	(8)	(5)	(40)	(0)	(39)		4,733	101
040	Credit institutions	565,497	565,437	60	481		481	(45)	(41)	(4)	(365)		(365)		9,798	85
050	Other financial corporations	16,118	15,817	293	381	0	381	(22)	(15)	(8)	(341)	(0)	(341)		3,686	6
060	Non-financial corporations	277,788	239,959	37,828	8,843	74	8,769	(2,141)	(575)	(1,566)	(3,824)	(62)	(3,762)		125,282	3,045
070	Of which SMEs	75,133	64,009	11,124	3,254	19	3,235	(720)	(236)	(484)	(1,685)	(3)	(1,682)		37,187	1,098
080	Households	200,497	185,077	15,286	4,337	7	4,324	(1,239)	(481)	(758)	(2,105)	(1)	(2,104)		107,471	800
090	Debt Securities	106,014	102,033	904	63		59	(99)	(91)	(8)	(53)		(53)		55	
100	Central banks	6,201	5,867	334				(2)	(0)	(1)						
110	General governments	58,403	58,115	288				(76)	(72)	(3)						
120	Credit institutions	22,807	22,737	43	1		1	(12)	(12)	(0)	(1)		(1)			
130	Other financial corporations	12,861	9,708	130				(4)	(4)	(0)					43	
140	Non-financial corporations	5,742	5,605	109	62		58	(5)	(2)	(3)	(53)		(53)		12	
150	Off-balance sheet exposures	574,546	557,602	16,943	1,474	5	1,469	(652)	(266)	(386)	(308)		(308)		59,605	314
160	Central banks	140,882	140,882					(0)	(0)							
170	General governments	23,378	22,712	666				(7)	(5)	(2)					3,446	
180	Credit institutions	67,249	67,160	89	62		62	(21)	(21)	(1)	(24)		(24)		313	
190	Other financial corporations	111,779	109,683	2,096	206		206	(19)	(10)	(9)	(1)		(1)		2,028	1
200	Non-financial corporations	211,586	198,603	12,984	1,169	5	1,164	(538)	(204)	(334)	(272)		(272)		49,402	307
210	Households	19,672	18,564	1,108	37		37	(68)	(26)	(41)	(11)		(11)		4,415	6
22	TOTAL	1,927,085	1,851,630	72,235	15,749	88	15,650	(4,225)	(1,480)	(2,745)	(7,054)	(63)	(6,990)		312,576	4,351

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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	216,152	216,145	6	18		18	(6)	(3)	(3)	(18)		(18)		46	
010	Loans and advances	1,051,847	995,046	56,499	14,128	96	14,026	(3,349)	(1,047)	(2,302)	(6,593)	(81)	(6,513)		234,589	4,166
020	Central banks	1,620	1,589	31				(15)	(0)	(15)						
030	General governments	10,607	9,800	807	161	3	158	(11)	(7)	(3)	(37)	(0)	(37)		3,757	110
040	Credit institutions	553,530	553,438	92	481	0	481	(46)	(41)	(4)	(370)		(370)		5,938	
050	Other financial corporations	17,673	17,372	293	376	0	376	(23)	(12)	(11)	(345)	(0)	(345)		2,263	8
060	Non-financial corporations	280,245	238,641	41,443	9,136	87	9,049	(2,137)	(591)	(1,546)	(3,864)	(80)	(3,784)		116,995	3,312
070	Of which: SMEs	68,016	57,583	10,433	3,321	7	3,314	(620)	(213)	(408)	(1,643)	(1)	(1,642)		35,357	1,097
080	Households	188,171	174,206	13,833	3,974	6	3,963	(1,118)	(395)	(723)	(1,978)	(1)	(1,976)		105,636	735
090	Debt Securities	109,285	106,473	683	63		59	(78)	(71)	(8)	(52)		(52)			
100	Central banks	5,907	5,634	274				(9)	(8)	(1)						
110	General governments	61,250	60,951	299	0		0	(48)	(45)	(3)	(0)		(0)			
120	Credit institutions	24,001	23,994		1		1	(11)	(11)		(1)		(1)			
130	Other financial corporations	10,409	8,276	20				(2)	(2)							
140	Non-financial corporations	7,718	7,618	90	62		58	(9)	(5)	(4)	(51)		(51)			
150	Off-balance sheet exposures	708,937	691,217	17,720	1,978	3	1,976	(669)	(253)	(417)	(294)		(294)		27,962	183
160	Central banks	274,361	274,361					(0)	(0)							
170	General governments	17,981	17,181	800				(5)	(2)	(3)					2,382	
180	Credit institutions	93,687	93,549	138	34		34	(17)	(17)	(1)	(23)		(23)		179	
190	Other financial corporations	104,934	102,925	2,009	878		878	(17)	(9)	(8)	(5)		(5)		832	0
200	Non-financial corporations	198,342	184,505	13,836	1,033	3	1,030	(556)	(197)	(359)	(255)		(255)		19,772	174
210	Households	19,632	18,696	936	34		34	(73)	(28)	(45)	(11)		(11)		4,797	9
22	TOTAL	2,086,220	2,008,881	74,908	16,186	99	16,078	(4,102)	(1,374)	(2,728)	(6,958)	(81)	(6,877)		262,597	4,350

## 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)	14,128
2	Inflows to non-performing portfolios	3,127
3	Outflows from non-performing portfolios	(3,061)
4	Outflows due to write-offs	
5	Outflow due to other situations	
6	Final stock of non-performing loans and advances (30/06/2023)	14,194

## 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 forbore exposures	
		Performing forbore	Non-performing forbore			On performing forbore exposures	On non-performing forbore 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	2,648	5,210	5,180	5,180	(201)	(2,198)	3,353	1,451
020	Central banks	0	-	-	-	-	-	-	-
030	General governments	36	3	3	3	(1)	(3)	-	-
040	Credit institutions	-	46	46	46	-	(26)	-	-
050	Other financial corporations	11	31	31	31	(0)	(22)	12	1
060	Non-financial corporations	2,037	3,699	3,681	3,681	(155)	(1,492)	2,800	1,269
070	Households	564	1,431	1,418	1,418	(45)	(654)	542	180
080	Debt Securities	-	4	4	-	-	-	-	-
090	Loan commitments given	288	62	55	55	(16)	(8)	114	13
100	TOTAL	2,936	5,277	5,238	5,234	(217)	(2,205)	3,467	1,464

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(in millions of euros)

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 forbore	Non-performing forbore			On performing forbore exposures	On non-performing forbore 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	3,102	5,429	5,367	5,367	(212)	(2,210)	3,473	1,475
020	Central banks	0	-	-	-	-	-	-	-
030	General governments	37	3	3	3	(1)	(3)	-	-
040	Credit institutions	-	46	46	46	-	(26)	-	-
050	Other financial corporations	3	33	33	33	(0)	(22)	4	1
060	Non-financial corporations	2,462	3,914	3,864	3,864	(160)	(1,511)	2,839	1,256
070	Households	600	1,432	1,421	1,421	(50)	(647)	630	218
080	Debt Securities	-	4	4	-	-	-	-	-
090	Loan commitments given	269	49	42	42	(13)	(9)	129	8
100	TOTAL	3,372	5,481	5,414	5,410	(225)	(2,219)	3,602	1,483



## 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	1,193,582	14,257	14,168	1,190,351	(10,297)		-
Europe	1,077,862	11,490	11,403	1,074,699	(8,519)		-
France	830,588	5,843	5,842	827,870	(3,560)		-
Italy	114,929	3,232	3,218	114,782	(2,529)		-
Germany	26,450	330	330	26,447	(274)		-
Luxembourg	16,719	99	99	16,572	(74)		-
United Kingdom	15,014	54	54	15,013	(96)		-
Spain	10,660	191	191	10,660	(163)		-
Switzerland	9,068	42	42	9,066	(40)		-
Netherland	9,041	138	138	9,040	(157)		-
Poland	11,913	427	413	11,771	(440)		-
Other European countries	33,481	1,134	1,076	33,479	(1,186)		-
Asia and Oceania	42,862	748	748	42,844	(311)		-
Japan	7,542	142	142	7,542	(22)		-
Other Asia and Oceania	35,320	606	606	35,302	(289)		-
North America	37,118	257	257	37,090	(269)		-
USA	29,988	174	174	29,960	(196)		-
Other Northern America	7,130	83	83	7,130	(73)		-
Central and South America	12,732	1,120	1,120	12,712	(699)		-
Africa and Middle East	18,355	643	640	18,352	(498)		-
Rest of the World	4,653	-	-	4,653	(1)		-
Off balance sheet exposures	576,020	1,474	1,469			960	
Europe	447,628	1,279	1,274			728	
France	303,743	452	452			383	
Italy	42,086	301	301			113	
Germany	19,262	7	7			18	
Luxembourg	13,656	-	-			7	
United Kingdom	23,194	0	0			22	
Spain	7,298	25	25			18	
Switzerland	7,512	0	0			1	
Netherland	9,273	405	405			108	
Poland	2,222	22	22			10	
Other European countries	19,382	67	61			48	
Asia and Oceania	26,225	108	108			12	
Japan	6,751	-	-			0	
Other Asia and Oceania	19,474	108	108			11	
North America	85,778	34	34			151	
USA	81,794	5	5			141	
Other Northern America	3,984	29	29			10	
Central and South America	5,153	8	8			38	
Africa and Middle East	8,576	45	45			31	
Rest of the World	2,660	0	0			0	
TOTAL	1,769,602	15,732	15,637	1,190,351	(10,297)	960	

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(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	1,175,322	14,190	14,089	1,172,881	(10,073)		-
Europe	1,055,631	11,199	11,097	1,053,251	(8,267)		-
France	815,591	5,516	5,516	813,690	(3,480)		-
Italy	113,534	3,242	3,233	113,275	(2,451)		-
Germany	26,349	380	380	26,346	(319)		-
Luxembourg	17,428	107	107	17,283	(79)		-
United Kingdom	13,649	45	45	13,719	(79)		-
Spain	7,799	101	101	7,799	(118)		-
Switzerland	9,534	42	42	9,533	(55)		-
Netherland	10,107	120	120	10,106	(165)		-
Poland	10,527	370	358	10,389	(375)		-
Other European countries	31,113	1,275	1,196	31,111	(1,145)		-
Asia and Oceania	45,911	677	677	45,887	(320)		-
Japan	7,669	183	183	7,669	(39)		-
Other Asia and Oceania	38,242	494	494	38,218	(282)		-
North America	37,979	311	311	37,946	(242)		-
USA	30,678	229	229	30,645	(164)		-
Other Northern America	7,301	81	81	7,301	(78)		-
Central and South America	12,448	1,367	1,367	12,447	(736)		-
Africa and Middle East	18,876	637	637	18,874	(507)		-
Rest of the World	4,477	-	0	4,477	(1)		-
Off balance sheet exposures	710,915	1,978	1,976			964	
Europe	594,336	1,891	1,888			730	
France	472,444	462	462			386	
Italy	23,771	904	904			116	
Germany	17,412	1	1			14	
Luxembourg	12,705	0	0			8	
United Kingdom	23,775	0	0			26	
Spain	5,786	27	27			20	
Switzerland	8,849	2	2			7	
Netherland	8,030	415	415			75	
Poland	2,386	12	10			9	
Other European countries	19,178	68	67			69	
Asia and Oceania	26,346	2	2			12	
Japan	4,720	-	-			0	
Other Asia and Oceania	21,626	2	2			11	
North America	71,754	30	30			161	
USA	67,490	0	0			150	
Other Northern America	4,264	30	30			11	
Central and South America	5,311	11	11			33	
Africa and Middle East	10,340	45	45			28	
Rest of the World	2,827	0	0			0	
TOTAL	1,886,237	16,168	16,064	1,172,881	(10,073)	964	-

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

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	3,975	290	257	3,975	(422)	-
020	Mining and quarrying	9,767	423	423	9,767	(360)	-
030	Manufacturing	59,792	962	950	59,792	(627)	-
040	Electricity, gas, steam and air conditioning supply	22,607	321	319	22,607	(244)	-
050	Water supply	2,098	23	23	2,098	(23)	-
060	Construction	8,970	576	575	8,970	(387)	-
070	Wholesale and retail trade	35,984	1,221	1,210	35,984	(920)	-
080	Transport and storage	24,276	1,208	1,207	24,276	(497)	-
090	Accommodation and food service activities	6,866	503	502	6,866	(366)	-
100	Information and communication	14,439	66	66	14,439	(114)	-
105	Financial and insurance activities	29,349	331	331	29,349	(368)	-
110	Real estate activities	36,795	1,259	1,259	36,795	(829)	-
120	Professional, scientific and technical activities	11,816	419	416	11,816	(278)	-
130	Administrative and support service activities	8,213	226	226	8,213	(132)	-
140	Public administration and defense, compulsory social security	97	0	0	97	(0)	-
150	Education	299	24	24	299	(15)	-
160	Human health services and social work activities	4,736	765	762	4,736	(169)	-
170	Arts, entertainment and recreation	795	40	40	795	(34)	-
180	Other services	5,749	185	179	5,749	(178)	-
190	TOTAL	286,623	8,843	8,769	286,623	(5,965)	-

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	3,955	295	247	3,955	(420)	-
020	Mining and quarrying	11,097	472	472	11,097	(356)	-
030	Manufacturing	63,680	1,412	1,397	63,576	(1,239)	-
040	Electricity, gas, steam and air conditioning supply	23,685	195	194	23,685	(187)	-
050	Water supply	2,005	24	23	2,005	(23)	-
060	Construction	8,570	418	417	8,570	(236)	-
070	Wholesale and retail trade	35,323	1,121	1,108	35,323	(840)	-
080	Transport and storage	24,983	1,693	1,691	24,983	(595)	-
090	Accommodation and food service activities	6,902	533	533	6,902	(295)	-
100	Information and communication	13,330	111	111	13,330	(107)	-
105	Financial and insurance activities	25,206	273	273	25,206	(305)	-
110	Real estate activities	35,818	1,216	1,216	35,818	(668)	-
120	Professional, scientific and technical activities	11,684	251	250	11,684	(183)	-
130	Administrative and support service activities	7,668	242	242	7,610	(140)	-
140	Public administration and defense, compulsory social security	135	0	0	135	(0)	-
150	Education	293	11	11	293	(5)	-
160	Human health services and social work activities	4,459	565	565	4,459	(144)	-
170	Arts, entertainment and recreation	714	55	55	714	(36)	-
180	Other services	9,876	250	246	9,876	(221)	-
190	TOTAL	289,381	9,136	9,049	289,219	(6,000)	-

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)	-	-	-	-
020	Other than PP&E	169	(126)	153	(113)
030	<i>Residential immovable property</i>	1	(0)	1	(0)
040	<i>Commercial Immovable property</i>	21	(14)	28	(16)
050	<i>Movable property (auto, shipping, etc.)</i>	147	(112)	125	(97)
060	<i>Equity and debt instruments</i>	-	-	-	-
070	<i>Other collateral</i>	-	-	-	-
080	<b>TOTAL</b>	<b>169</b>	<b>(126)</b>	<b>153</b>	<b>(113)</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	55,425	55	61,481	12	8,225	13.38%
2	Regional government or local authorities	951	393	950	35	99	10.01%
3	Public sector entities	4,024	70	4,912	24	261	5.28%
4	Multilateral development banks	355	5	402	0	28	7.01%
5	International organisations	810	-	810	-	-	-
6	Banks (Institutions)	18,705	2,411	39,108	1,363	5,245	12.96%
7	Corporates	70,533	28,361	49,917	5,045	43,813	79.72%
8	Retail	44,922	3,062	35,913	539	24,950	68.45%
9	Secured by mortgages on immovable property	3,141	74	3,141	11	1,380	43.78%
10	Exposures in default	1,335	153	1,038	28	1,268	118.96%
11	Exposures associated with particularly high risk	351	77	351	24	562	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	2,993	15,423	2,993	4,568	4,967	65.70%
15	Equity	1,627	0	1,627	0	1,856	114.01%
16	Other items	14,899	-	14,899	-	12,158	81.60%
17	<b>Total</b>	<b>221,325</b>	<b>50,084</b>	<b>218,798</b>	<b>11,649</b>	<b>104,938</b>	<b>45.54%</b>

31/12/2022

## Exposure classes

(in millions of euros)

		Exposures before CCF and before CRM		Exposures post CCF and post CRM		RWA and RWA density	
		On-balance-sheet exposures	Off-balance-sheet exposures	On-balance-sheet exposures	Off-balance-sheet exposures	RWA	RWA density (%)
1	Central governments or central banks	69,072	51	75,255	13	7,800	10.36%
2	Regional government or local authorities	913	468	913	33	96	10.15%
3	Public sector entities	4,375	82	4,402	13	303	6.87%
4	Multilateral development banks	377	25	417	-	21	5.07%
5	International organisations	877	-	877	-	-	-
6	Banks (Institutions)	21,572	6,154	47,501	3,508	7,245	14.20%
7	Corporates	72,900	29,318	47,330	5,118	41,695	79.50%
8	Retail	33,224	3,618	24,096	648	16,715	67.55%
9	Secured by mortgages on immovable property	4,830	121	4,830	20	1,971	40.63%
10	Exposures in default	1,402	137	995	32	1,243	121.08%
11	Exposures associated with particularly high risk	398	85	398	29	640	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	1,734	14,476	1,734	5,063	4,042	59.46%
15	Equity	1,283	0	1,283	0	1,506	117.32%
16	Other items	14,153	-	14,153	-	11,702	82.68%
17	<b>Total</b>	<b>228,238</b>	<b>54,536</b>	<b>225,313</b>	<b>14,480</b>	<b>95,093</b>	<b>39.66%</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	56,219	-	-	-	59	-	0	-	-	2,481	1,101	1,632	-	-	-	61,493	61,493
2	Regional government or local authorities	500	-	-	-	483	-	-	-	-	2	-	-	-	-	-	985	985
3	Public sector entities	3,838	-	-	-	1,031	-	25	-	-	42	-	-	-	-	-	4,936	4,358
4	Multilateral development banks	374	-	-	-	-	-	-	-	-	28	-	-	-	-	-	402	402
5	International organisations	810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	810	810
6	Banks (Institutions)	23,262	1,792	-	-	11,864	-	1,559	-	-	1,864	128	-	-	-	-	40,471	35,961
7	Corporates	-	-	-	-	8,310	-	5,514	-	-	39,142	1,995	-	-	-	-	54,961	31,287
8	Retail	-	-	-	-	-	715	-	-	35,737	-	-	-	-	-	-	36,452	36,452
9	Secured by mortgages on immovable property	-	-	-	-	-	551	2,418	-	183	-	-	-	-	-	-	3,152	3,152
10	Exposures in default	-	-	-	-	-	-	-	-	-	662	404	-	-	-	-	1,066	1,066
11	Exposures associated with particularly high risk	-	-	-	-	-	-	-	-	-	-	375	-	-	-	-	375	375
12	Covered bonds	-	-	-	1,256	-	-	-	-	-	-	-	-	-	-	-	1,256	-
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Collective investment undertakings	2,826	-	0	1	1,018	-	1,150	-	-	2,272	159	-	-	134	-	7,561	7,153
15	Equity	-	-	-	-	-	-	-	-	-	1,476	-	152	-	-	-	1,628	1,628
16	Other items	1,780	-	-	-	1,202	-	-	-	-	11,918	-	-	-	-	-	14,899	14,789
17	<b>TOTAL</b>	<b>89,610</b>	<b>1,792</b>	<b>0</b>	<b>1,257</b>	<b>23,967</b>	<b>1,266</b>	<b>10,667</b>	<b>-</b>	<b>35,920</b>	<b>59,887</b>	<b>4,162</b>	<b>1,784</b>	<b>-</b>	<b>134</b>	<b>-</b>	<b>230,447</b>	<b>199,911</b>



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	70,296	-	-	-	24	-	0	-	-	2,593	683	1,671	-	-	-	75,268	75,267
2	Regional government or local authorities	476	-	-	-	468	-	-	-	-	2	-	-	-	-	-	946	944
3	Public sector entities	3,102	-	-	-	1,246	-	26	-	-	41	-	-	-	-	-	4,415	3,772
4	Multilateral development banks	396	-	-	-	-	-	-	-	-	21	-	-	-	-	-	417	417
5	International organisations	877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	877	877
6	Banks (Institutions)	29,225	4,147	-	-	8,802	-	6,909	-	-	1,884	42	-	-	-	-	51,009	42,187
7	Corporates	-	-	-	-	6,712	-	7,341	-	-	36,391	2,004	-	-	-	-	52,449	25,464
8	Retail	-	-	-	-	-	666	-	-	24,078	-	-	-	-	-	-	24,744	24,744
9	Secured by mortgages on immovable property	-	-	-	-	-	2,151	2,485	-	214	-	-	-	-	-	-	4,850	4,850
10	Exposures in default	-	-	-	-	-	-	-	-	-	594	433	-	-	-	-	1,027	1,027
11	Exposures associated with particularly high risk	-	-	-	-	-	-	-	-	-	-	427	-	-	-	-	427	427
12	Covered bonds	-	-	-	1,130	-	-	-	-	-	-	-	-	-	-	-	1,130	-
13	Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Collective investment undertakings	3,588	-	1	5	820	-	755	-	-	1,343	128	-	-	157	-	6,797	6,366
15	Equity	-	-	-	-	-	-	-	-	-	1,135	-	148	-	-	-	1,284	1,284
16	Other items	1,845	-	-	-	758	-	-	-	-	11,550	-	-	-	-	-	14,153	13,909
17	<b>TOTAL</b>	<b>109,805</b>	<b>4,147</b>	<b>1</b>	<b>1,135</b>	<b>18,830</b>	<b>2,817</b>	<b>17,517</b>	<b>-</b>	<b>24,293</b>	<b>55,556</b>	<b>3,717</b>	<b>1,819</b>	<b>-</b>	<b>157</b>	<b>-</b>	<b>239,793</b>	<b>201,537</b>

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 these types of 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)												
IRBF												
Central governments and central banks	0.00 to <0.15	181,527	152	74.88%	184,414	-	45.01%	2.50	604	0.33%	-	29
	0.00 to <0.10	181,527	152	74.88%	184,413	-	45.01%	2.50	604	0.33%	-	29
	0.10 to <0.15	-	-	-	-	0.12%	45.00%	2.50	-	34.93%	-	-
	0.15 to <0.25	91	-	-	91	0.16%	45.00%	2.50	37	41.13%	-	-
	0.25 to <0.50	22	-	55.63%	22	0.29%	45.00%	2.50	12	56.57%	-	-
	0.50 to <0.75	-	-	-	-	-	-	-	-	-	-	-
	0.75 to <2.50	9	-	-	9	0.80%	45.00%	2.50	8	90.01%	-	-
	0.75 to <1.75	9	-	-	9	0.80%	45.00%	2.50	8	90.01%	-	-
	1.75 to <2.5	-	-	-	-	-	-	-	-	-	-	-
	2.50 to <10.00	1	-	20.00%	1	3.00%	45.00%	2.50	1	136.14%	-	-
	2.5 to <5	1	-	20.00%	1	3.00%	45.00%	2.50	1	136.14%	-	-
	5 to <10	-	-	-	-	-	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	19.51%	45.12%	2.51	-	253.66%	-	-
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	-	-	-	-	19.51%	45.12%	2.51	-	253.66%	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>181,649</b>	<b>153</b>	<b>74.71%</b>	<b>184,536</b>	<b>-</b>	<b>45.01%</b>	<b>2.50</b>	<b>662</b>	<b>0.36%</b>	<b>1</b>	<b>30</b>
Institutions	0.00 to <0.15	461,614	718	49.05%	462,555	0.03%	0.75%	2.50	1,632	0.35%	1	-
	0.00 to <0.10	459,519	681	48.76%	460,439	0.03%	0.68%	2.50	1,324	0.29%	1	-
	0.10 to <0.15	2,096	37	54.45%	2,116	0.11%	15.74%	2.50	309	14.58%	-	-
	0.15 to <0.25	274	16	72.90%	286	0.20%	23.37%	2.50	74	25.99%	-	-
	0.25 to <0.50	23	9	49.43%	28	0.39%	27.24%	2.50	12	44.03%	-	-
	0.50 to <0.75	13	23	63.04%	28	0.60%	45.00%	2.50	29	104.01%	-	-
	0.75 to <2.50	43	27	29.07%	51	1.14%	45.00%	2.50	62	120.82%	-	-
	0.75 to <1.75	40	25	29.60%	47	1.07%	45.00%	2.50	57	120.59%	-	-
	1.75 to <2.5	3	3	23.88%	4	1.90%	45.00%	2.50	5	123.43%	-	-
	2.50 to <10.00	3	3	27.44%	4	5.00%	45.00%	2.50	7	190.42%	-	-
	2.5 to <5	0	-	-	-	3.85%	46.15%	2.46	-	134.62%	-	-
	5 to <10	3	3	27.44%	4	5.00%	45.00%	2.50	7	190.42%	-	-
	10.00 to <100.00	3	-	77.41%	3	14.82%	45.00%	2.50	8	259.49%	-	-
	10 to <20	2	-	50.00%	2	12.00%	45.00%	2.50	5	252.35%	-	-
	20 to <30	1	-	100.00%	1	20.00%	45.00%	2.50	3	272.62%	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>461,974</b>	<b>796</b>	<b>49.19%</b>	<b>462,955</b>	<b>0.03%</b>	<b>0.77%</b>	<b>2.50</b>	<b>1,825</b>	<b>0.39%</b>	<b>2</b>	<b>1</b>
Corporates – SME	0.00 to <0.15	268	200	72.92%	395	0.08%	42.10%	2.50	73	18.46%	-	1
	0.00 to <0.10	199	92	72.57%	266	0.05%	42.98%	2.50	42	15.65%	-	-
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	61	6	79.63%	66	0.16%	45.00%	2.50	23	34.66%	-	-
	0.25 to <0.50	840	606	68.61%	1,205	0.37%	41.24%	2.50	515	42.77%	2	3
	0.50 to <0.75	111	14	54.98%	118	0.60%	42.36%	2.50	67	56.20%	-	-
	0.75 to <2.50	731	426	82.16%	826	1.07%	43.23%	2.50	585	70.87%	4	18
	0.75 to <1.75	636	410	82.41%	721	0.95%	43.07%	2.50	490	68.03%	3	14
	1.75 to <2.5	95	16	76.02%	105	1.91%	44.38%	2.50	95	90.31%	1	4
	2.50 to <10.00	305	99	76.15%	215	3.91%	42.76%	2.50	222	103.42%	4	10
	2.5 to <5	252	85	78.59%	193	3.60%	42.51%	2.50	196	101.49%	3	8
	5 to <10	53	14	61.37%	22	6.66%	44.99%	2.50	26	120.69%	1	2
	10.00 to <100.00	54	21	52.12%	30	21.80%	44.88%	2.50	56	183.23%	3	6
	10 to <20	23	10	34.71%	10	16.78%	45.00%	2.50	18	178.50%	1	3
	20 to <30	31	11	68.59%	20	24.35%	44.81%	2.50	37	185.64%	2	4
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	77	22	54.75%	45	100.00%	45.09%	2.50	-	-	20	18
	<b>Sub-total</b>	<b>2,445</b>	<b>1,395</b>	<b>73.34%</b>	<b>2,900</b>	<b>2.55%</b>	<b>42.27%</b>	<b>2.50</b>	<b>1,541</b>	<b>53.14%</b>	<b>33</b>	<b>58</b>
Corporates - Specialised Lending	0.00 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.00 to <0.10	-	-	-	-	-	-	-	-	-	-	-
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	41	-	-	41	0.16%	45.00%	2.50	14	32.79%	-	-
	0.25 to <0.50	60	2	75.00%	57	0.34%	45.00%	2.50	27	47.18%	-	-
	0.50 to <0.75	37	-	-	37	0.60%	45.00%	2.50	22	59.99%	-	-
	0.75 to <2.50	113	1	75.00%	114	0.96%	45.00%	2.50	86	75.69%	-	1
	0.75 to <1.75	113	1	75.00%	114	0.96%	45.00%	2.50	86	75.69%	-	1
	1.75 to <2.5	-	-	-	-	-	-	-	-	-	-	-
	2.50 to <10.00	3	-	-	3	3.00%	45.00%	2.50	3	102.11%	-	-
	2.5 to <5	3	-	-	3	3.00%	45.00%	2.50	3	102.11%	-	-
	5 to <10	-	-	-	-	-	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	-	-	-	-	-	-	-	-	-	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>255</b>	<b>3</b>	<b>75.00%</b>	<b>252</b>	<b>0.66%</b>	<b>45.00%</b>	<b>2.50</b>	<b>152</b>	<b>60.28%</b>	<b>1</b>	<b>2</b>

Corporates – Other	0.00 to <0.15	8,088	9,000	68.51%	13,454	0.06%	45.28%	2.54	3,029	22.52%	3	7
	0.00 to <0.10	6,531	6,467	68.28%	10,162	0.04%	46.02%	2.57	1,895	18.65%	2	4
	0.10 to <0.15	1,557	2,533	69.09%	3,291	0.12%	42.98%	2.47	1,134	34.47%	2	3
	0.15 to <0.25	644	237	75.45%	865	0.16%	43.39%	2.50	348	40.24%	1	-
	0.25 to <0.50	2,584	5,060	67.79%	5,373	0.35%	44.11%	2.50	3,259	60.64%	8	21
	0.50 to <0.75	238	176	74.54%	366	0.60%	44.59%	2.50	306	83.72%	1	2
	0.75 to <2.50	1,716	2,373	77.04%	2,722	1.05%	44.96%	2.50	2,668	98.00%	13	62
	0.75 to <1.75	1,419	2,296	77.32%	2,396	0.93%	44.97%	2.50	2,276	94.99%	10	51
	1.75 to <2.5	298	76	68.63%	326	1.92%	44.90%	2.50	392	120.12%	3	10
	2.50 to <10.00	562	358	64.19%	440	4.59%	44.92%	2.50	674	153.22%	9	25
	2.5 to <5	361	234	65.82%	342	3.56%	44.89%	2.50	488	142.55%	5	15
	5 to <10	201	125	61.13%	97	8.19%	45.00%	2.50	186	190.72%	4	10
	10.00 to <100.00	88	61	37.58%	48	39.54%	87.38%	4.85	124	259.23%	9	5
	10 to <20	28	18	29.96%	5	14.14%	45.00%	2.50	11	230.66%	-	1
	20 to <30	60	42	40.91%	43	42.26%	91.91%	5.11	113	262.28%	8	4
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	249	137	37.03%	195	100.00%	45.00%	2.50	-	-	107	118
Sub-total		14,169	17,403	69.18%	23,463	1.25%	44.97%	2.53	10,408	44.36%	151	239
TOTAL (all exposures classes)		660,491	19,750	68.71%	674,106			2.50	14,588	2.16%	187	329

# 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)												
IRBF												
Central governments and central banks	0.00 to <0.15	201,084	136	72.64%	204,450	-	45.00%	2.50	508	0.25%	-	26
	0.00 to <0.10	201,084	136	72.64%	204,450	-	45.00%	2.50	508	0.25%	-	26
	0.10 to <0.15	-	-	-	-	0.12%	45.00%	2.50	-	34.94%	-	-
	0.15 to <0.25	91	-	-	91	0.16%	45.00%	2.50	37	41.13%	-	-
	0.25 to <0.50	23	-	55.63%	23	0.28%	45.00%	2.50	13	56.14%	-	-
	0.50 to <0.75	-	-	-	-	-	-	-	-	-	-	-
	0.75 to <2.50	9	-	-	9	0.80%	45.00%	2.50	8	90.01%	-	-
	0.75 to <1.75	9	-	-	9	0.80%	45.00%	2.50	8	90.01%	-	-
	1.75 to <2.5	-	-	-	-	-	-	-	-	-	-	-
	2.50 to <10.00	1	-	-	1	3.00%	45.00%	2.50	1	136.14%	-	-
	2.5 to <5	1	-	-	1	3.00%	45.00%	2.50	1	136.14%	-	-
	5 to <10	-	-	-	-	-	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	-	-	-	-	-	-	-	-	-	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>201,207</b>	<b>136</b>	<b>72.60%</b>	<b>204,573</b>	<b>-</b>	<b>45.00%</b>	<b>2.50</b>	<b>567</b>	<b>0.28%</b>	<b>-</b>	<b>26</b>
Institutions	0.00 to <0.15	456,360	798	49.30%	457,335	0.03%	0.80%	2.50	1,719	0.38%	2	-
	0.00 to <0.10	454,265	768	48.81%	455,220	0.03%	0.74%	2.50	1,429	0.31%	1	-
	0.10 to <0.15	2,095	30	61.61%	2,115	0.11%	13.99%	2.50	290	13.72%	-	-
	0.15 to <0.25	351	17	72.52%	363	0.20%	19.42%	2.50	82	22.69%	-	-
	0.25 to <0.50	22	16	52.03%	31	0.37%	29.61%	2.50	16	50.34%	-	-
	0.50 to <0.75	14	14	64.92%	23	0.60%	45.00%	2.50	23	101.03%	-	-
	0.75 to <2.50	177	26	32.85%	186	1.23%	45.00%	2.50	243	130.89%	1	-
	0.75 to <1.75	177	22	34.96%	185	1.23%	45.00%	2.50	242	130.93%	1	-
	1.75 to <2.5	-	4	22.26%	1	1.90%	45.00%	2.50	2	125.26%	-	-
	2.50 to <10.00	27	3	25.45%	28	5.00%	45.00%	2.50	53	190.38%	1	-
	2.5 to <5	-	-	-	-	3.00%	44.99%	2.50	-	136.18%	-	-
	5 to <10	27	3	25.45%	28	5.00%	45.00%	2.50	53	190.42%	1	-
	10.00 to <100.00	4	-	63.49%	5	17.18%	45.00%	2.50	12	265.46%	-	-
	10 to <20	2	-	50.00%	2	12.00%	45.00%	2.50	4	253.54%	-	-
	20 to <30	3	-	97.05%	3	20.00%	45.00%	2.50	8	271.96%	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>456,956</b>	<b>874</b>	<b>49.46%</b>	<b>457,970</b>	<b>0.03%</b>	<b>0.84%</b>	<b>2.50</b>	<b>2,149</b>	<b>0.47%</b>	<b>4</b>	<b>1</b>
Corporates – SME	0.00 to <0.15	609	248	79.35%	774	0.10%	42.95%	2.50	164	21.21%	-	2
	0.00 to <0.10	172	77	82.09%	236	0.04%	42.65%	2.50	31	13.22%	-	-
	0.10 to <0.15	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	-	1	100.00%	1	0.16%	45.00%	2.50	-	34.92%	-	-
	0.25 to <0.50	2,250	880	66.46%	2,748	0.38%	42.76%	2.50	1,228	44.70%	4	20
	0.50 to <0.75	45	7	75.00%	50	0.60%	45.00%	2.50	31	61.99%	-	-
	0.75 to <2.50	2,287	570	77.34%	2,419	1.09%	43.13%	2.50	1,643	67.90%	11	48
	0.75 to <1.75	2,203	544	77.32%	2,316	1.05%	43.05%	2.50	1,549	66.89%	10	43
	1.75 to <2.5	85	26	77.94%	103	1.92%	45.00%	2.50	93	90.47%	1	4
	2.50 to <10.00	806	150	66.73%	712	3.94%	42.77%	2.50	686	96.39%	12	24
	2.5 to <5	666	120	64.66%	598	3.26%	42.43%	2.50	546	91.29%	8	17
	5 to <10	139	30	75.00%	114	7.51%	44.57%	2.50	140	123.27%	4	6
	10.00 to <100.00	67	12	66.43%	45	17.57%	43.09%	2.50	71	156.16%	3	4
	10 to <20	41	10	72.06%	31	14.79%	43.50%	2.50	46	149.60%	2	2
	20 to <30	26	2	37.71%	15	23.28%	42.25%	2.50	25	169.61%	1	2
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	241	30	57.88%	223	100.00%	44.57%	2.50	-	-	100	128
	<b>Sub-total</b>	<b>6,305</b>	<b>1,898</b>	<b>71.35%</b>	<b>6,973</b>	<b>4.26%</b>	<b>42.99%</b>	<b>2.50</b>	<b>3,824</b>	<b>54.83%</b>	<b>132</b>	<b>226</b>
Corporates - Specialised Lending	0.00 to <0.15	-	11	75.00%	8	0.12%	38.33%	2.50	2	29.76%	-	-
	0.00 to <0.10	-	-	-	-	-	-	-	-	-	-	-
	0.10 to <0.15	-	11	75.00%	8	0.12%	38.33%	2.50	2	29.76%	-	-
	0.15 to <0.25	95	57	25.01%	105	0.16%	41.56%	2.50	34	32.61%	-	2
	0.25 to <0.50	50	3	75.00%	48	0.32%	45.00%	2.50	22	46.02%	-	-
	0.50 to <0.75	33	-	-	33	0.60%	45.00%	2.50	20	59.99%	-	1
	0.75 to <2.50	108	-	-	108	0.95%	45.00%	2.50	81	75.12%	-	4
	0.75 to <1.75	108	-	-	108	0.95%	45.00%	2.50	81	75.12%	-	4
	1.75 to <2.5	-	-	-	-	-	-	-	-	-	-	-
	2.50 to <10.00	7	-	-	7	3.00%	45.00%	2.50	7	103.05%	-	-
	2.5 to <5	7	-	-	7	3.00%	45.00%	2.50	7	103.05%	-	-
	5 to <10	-	-	-	-	-	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	10 to <20	-	-	-	-	-	-	-	-	-	-	-
	20 to <30	-	-	-	-	-	-	-	-	-	-	-
	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-
	<b>Sub-total</b>	<b>293</b>	<b>71</b>	<b>34.72%</b>	<b>309</b>	<b>0.57%</b>	<b>43.66%</b>	<b>2.50</b>	<b>167</b>	<b>54.03%</b>	<b>1</b>	<b>7</b>
Corporates – Other	0.00 to <0.15	15,726	15,007	68.37%	25,172	0.07%	45.03%	2.53	5,909	23.48%	7	29
	0.00 to <0.10	11,281	10,382	69.05%	17,486	0.04%	45.41%	2.54	3,235	18.50%	3	15

0.10 to <0.15	4,445	4,625	66.84%	7,686	0.12%	44.16%	2.50	2,674	34.79%	4	15
0.15 to <0.25	359	142	81.70%	477	0.16%	43.00%	2.50	192	40.24%	-	-
0.25 to <0.50	8,950	7,380	67.25%	13,247	0.35%	44.34%	2.50	8,056	60.82%	20	70
0.50 to <0.75	268	195	79.69%	426	0.60%	44.70%	2.50	371	87.08%	1	2
0.75 to <2.50	5,429	3,606	74.74%	7,217	1.06%	44.67%	2.50	7,108	98.49%	34	119
0.75 to <1.75	5,173	3,487	74.87%	6,913	1.02%	44.66%	2.50	6,743	97.54%	31	112
1.75 to <2.5	256	119	70.83%	304	1.92%	44.86%	2.50	365	120.02%	3	6
2.50 to <10.00	1,413	769	74.87%	1,415	4.81%	44.73%	2.50	2,202	155.62%	30	50
2.5 to <5	912	366	71.10%	877	3.26%	44.60%	2.50	1,213	138.28%	13	35
5 to <10	501	404	78.29%	538	7.35%	44.95%	2.50	990	183.90%	18	15
10.00 to <100.00	282	100	66.62%	263	20.14%	44.61%	2.50	669	254.27%	24	28
10 to <20	90	32	46.67%	72	16.33%	44.55%	2.50	172	237.78%	5	14
20 to <30	192	68	76.10%	191	21.59%	44.64%	2.50	497	260.53%	18	14
30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
100.00 (Default)	1,063	188	70.46%	1,048	100.00%	44.64%	2.50	-	-	487	497
<b>Sub-total</b>	<b>33,490</b>	<b>27,388</b>	<b>69.25%</b>	<b>49,264</b>	<b>2.66%</b>	<b>44.75%</b>	<b>2.51</b>	<b>24,507</b>	<b>49.75%</b>	<b>604</b>	<b>795</b>
<b>TOTAL (all exposures classes)</b>	<b>698,251</b>	<b>30,367</b>	<b>68.74%</b>	<b>719,090</b>			<b>2.50</b>	<b>31,213</b>	<b>4.34%</b>	<b>741</b>	<b>1,054</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)												
IRB-A												
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
Institutions	30.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	126	-	-	32	100.00%	45.00%	4.76	0	1.10%	19	19
	<b>Sub-total</b>	<b>104,754</b>	<b>4,650</b>	<b>68.90%</b>	<b>125,069</b>	<b>0.06%</b>	<b>8.30%</b>	<b>1.77</b>	<b>1,864</b>	<b>1.49%</b>	<b>38</b>	<b>37</b>
	0.00 to <0.15	11,072	4,285	51.60%	20,690	0.05%	29.02%	1.94	1,696	8.20%	2	4
	0.00 to <0.10	10,500	2,945	58.83%	19,525	0.04%	28.56%	1.95	1,404	7.19%	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%	1,023	0.20%	47.75%	1.70	488	47.69%	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
Corporates – SME	10.00 to <100.00	30	23	21.22%	34	12.10%	72.11%	1.55	129	381.12%	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%	0	20.00%	77.10%	4.93	2	542.05%	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
	<b>Sub-total</b>	<b>14,895</b>	<b>8,885</b>	<b>48.51%</b>	<b>23,875</b>	<b>1.74%</b>	<b>30.35%</b>	<b>1.87</b>	<b>3,365</b>	<b>14.09%</b>	<b>357</b>	<b>383</b>
	0.00 to <0.15	420	372	79.65%	722	0.07%	42.86%	2.24	127	17.65%	0	2
	0.00 to <0.10	163	332	84.45%	447	0.04%	43.16%	2.07	57	12.69%	0	1
	0.10 to <0.15	256	40	39.40%	275	0.12%	42.37%	2.53	71	25.72%	0	1
	0.15 to <0.25	4,397	103	50.06%	4,455	0.16%	44.29%	2.50	1,245	27.96%	3	1
	0.25 to <0.50	4,863	350	53.00%	5,047	0.40%	43.48%	2.50	2,290	45.37%	9	19
	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	4,246	389	51.14%	4,434	1.13%	41.53%	2.51	2,896	65.33%	21	53
	0.75 to <1.75	3,993	378	50.41%	4,172	1.07%	41.44%	2.52	2,675	64.12%	18	47
	1.75 to <2.5	253	12	74.82%	262	2.12%	42.99%	2.50	222	84.55%	2	5
Corporates - Specialised Lending	2.50 to <10.00	1,537	103	56.74%	1,600	4.67%	39.19%	2.47	1,491	93.19%	30	89
	2.5 to <5	900	66	48.35%	937	3.28%	35.86%	2.50	721	76.97%	11	56
	5 to <10	637	37	71.46%	663	6.63%	43.90%	2.44	770	116.12%	19	33
	10.00 to <100.00	448	72	65.26%	491	21.52%	33.29%	2.74	667	135.78%	34	110
	10 to <20	244	5	21.06%	246	14.22%	36.67%	2.50	325	132.13%	13	35
	20 to <30	77	66	69.00%	117	21.35%	36.67%	3.52	193	164.73%	9	4
	30.00 to <100.00	128	1	34.44%	128	35.70%	23.70%	2.50	149	116.31%	11	70
	100.00 (Default)	557	8	18.24%	561	100.00%	45.42%	2.49	109	19.35%	254	330
	<b>Sub-total</b>	<b>16,549</b>	<b>1,412</b>	<b>60.22%</b>	<b>17,401</b>	<b>4.71%</b>	<b>42.55%</b>	<b>2.50</b>	<b>8,876</b>	<b>51.01%</b>	<b>351</b>	<b>603</b>
	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%	7,248	0.16%	10.33%	3.51	792	10.92%	1	2
	0.25 to <0.50	13,615	5,621	49.18%	14,437	0.31%	13.03%	3.17	2,520	17.46%	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%	10,482	1.09%	13.63%	3.41	3,470	33.11%	16	48
	0.75 to <1.75	9,721	3,839	52.20%	8,938	0.96%	13.62%	3.41	2,866	32.07%	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
	<b>Sub-total</b>	<b>48,246</b>	<b>16,732</b>	<b>54.45%</b>	<b>46,350</b>	<b>4.90%</b>	<b>13.68%</b>	<b>3.33</b>	<b>11,550</b>	<b>24.92%</b>	<b>672</b>	<b>804</b>
Corporates – Other	0.00 to <0.15	47,577	89,886	65.25%	100,532	0.06%	35.41%	2.23	17,634	17.54%	16	59

	0.00 to <0.10	35,849	79,562	60.24%	84,752	0.04%	34.58%	2.23	11,835	13.96%	13	44
	0.10 to <0.15	11,728	10,324	103.83%	15,780	0.12%	39.86%	2.24	5,800	36.75%	3	14
	0.15 to <0.25	527	1,992	56.19%	2,011	0.15%	35.26%	2.63	723	35.95%	1	2
	0.25 to <0.50	17,170	29,563	63.34%	29,345	0.35%	40.50%	2.63	16,972	57.84%	25	121
	0.50 to <0.75	143	179	100.48%	190	0.58%	59.88%	3.30	221	116.22%	1	1
	0.75 to <2.50	13,988	10,630	65.59%	16,215	1.03%	40.14%	2.50	14,836	91.49%	71	364
	0.75 to <1.75	13,415	9,668	65.16%	15,078	0.97%	38.52%	2.44	12,807	84.93%	58	336
	1.75 to <2.5	572	962	69.91%	1,137	1.89%	61.69%	3.25	2,029	178.50%	13	28
	2.50 to <10.00	6,307	1,848	64.50%	4,564	4.71%	43.44%	2.23	6,842	149.90%	95	441
	2.5 to <5	3,608	1,053	58.72%	3,000	3.13%	43.61%	2.31	4,019	134.00%	42	161
	5 to <10	2,699	794	72.15%	1,565	7.76%	43.11%	2.09	2,822	180.38%	53	279
	10.00 to <100.00	1,136	895	97.26%	1,168	16.94%	39.36%	2.51	2,090	178.92%	80	130
	10 to <20	328	700	85.32%	732	13.68%	37.28%	2.42	1,421	194.15%	39	40
	20 to <30	795	195	140.22%	423	22.04%	43.14%	2.67	644	152.20%	39	87
	30.00 to <100.00	13	0	-	13	34.03%	32.91%	2.50	25	191.50%	1	2
	100.00 (Default)	2,390	553	33.78%	2,483	100.00%	45.31%	2.38	12	0.48%	1,842	1,851
	<b>Sub-total</b>	<b>89,238</b>	<b>135,546</b>	<b>64.84%</b>	<b>156,509</b>	<b>2.06%</b>	<b>37.30%</b>	<b>2.35</b>	<b>59,330</b>	<b>37.91%</b>	<b>2,131</b>	<b>2,969</b>
Retail - Secured by immovable property SME	0.00 to <0.15	12	0	100.00%	12	0.13%	23.85%	1.00	1	5.87%	0	0
	0.00 to <0.10	-	-	-	-	-	-	-	-	-	-	-
	0.10 to <0.15	12	0	100.00%	12	0.13%	23.85%	1.00	1	5.87%	0	0
	0.15 to <0.25	662	0	100.00%	662	0.23%	1.03%	1.00	44	6.61%	0	0
	0.25 to <0.50	1,223	24	100.00%	1,247	0.44%	8.82%	1.00	71	5.69%	0	1
	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	1,834	50	99.32%	1,885	1.29%	9.36%	1.00	389	20.65%	4	6
	0.75 to <1.75	1,738	50	99.32%	1,788	1.24%	9.82%	1.00	353	19.75%	3	6
	1.75 to <2.5	97	0	100.00%	97	2.21%	0.85%	1.00	36	37.19%	0	1
	2.50 to <10.00	916	19	100.00%	935	5.15%	10.76%	1.00	541	57.82%	10	23
	2.5 to <5	319	9	100.00%	327	3.22%	1.88%	1.00	127	38.78%	2	4
	5 to <10	598	10	100.00%	608	6.19%	15.54%	1.00	414	68.07%	8	19
	10.00 to <100.00	306	6	100.00%	312	20.35%	11.17%	1.00	305	97.63%	14	27
	10 to <20	182	5	100.00%	187	13.42%	12.13%	1.00	171	91.28%	6	11
	20 to <30	73	0	100.00%	73	26.45%	10.03%	1.00	77	105.81%	4	7
	30.00 to <100.00	52	1	100.00%	52	36.62%	9.31%	1.00	57	108.93%	4	9
	100.00 (Default)	160	0	100.00%	160	100.00%	8.28%	1.00	92	57.64%	70	83
	<b>Sub-total</b>	<b>7,477</b>	<b>135</b>	<b>99.75%</b>	<b>7,611</b>	<b>4.15%</b>	<b>9.07%</b>	<b>1.00</b>	<b>1,689</b>	<b>22.18%</b>	<b>101</b>	<b>143</b>
Retail - Secured by immovable property non SME	0.00 to <0.15	69,621	2,505	100.00%	72,126	0.07%	8.60%	1.00	1,359	1.88%	5	6
	0.00 to <0.10	63,950	2,268	100.00%	66,219	0.07%	8.28%	1.00	1,136	1.72%	4	4
	0.10 to <0.15	5,670	237	100.00%	5,907	0.11%	12.21%	1.00	223	3.77%	1	1
	0.15 to <0.25	15,153	15	100.00%	15,167	0.24%	0.42%	1.00	1,240	8.18%	6	8
	0.25 to <0.50	12,907	514	100.00%	13,422	0.29%	10.19%	1.00	898	6.69%	4	6
	0.50 to <0.75	5,147	326	100.00%	5,473	0.59%	8.01%	1.00	545	9.95%	3	4
	0.75 to <2.50	3,200	175	100.00%	3,375	1.26%	13.26%	1.00	1,002	29.70%	8	15
	0.75 to <1.75	2,847	175	100.00%	3,022	1.12%	14.77%	1.00	912	30.17%	7	14
	1.75 to <2.5	353	0	100.00%	353	2.42%	0.32%	1.00	91	25.65%	1	2
	2.50 to <10.00	4,422	174	100.00%	4,596	6.36%	10.45%	1.00	3,072	66.84%	47	105
	2.5 to <5	1,570	4	100.00%	1,573	3.80%	0.98%	1.00	804	51.09%	10	27
	5 to <10	2,852	171	100.00%	3,023	7.69%	15.38%	1.00	2,268	75.04%	37	78
	10.00 to <100.00	1,267	20	100.00%	1,287	18.43%	11.65%	1.00	1,356	105.37%	43	115
	10 to <20	800	14	100.00%	813	12.02%	11.31%	1.00	821	100.88%	18	50
	20 to <30	237	5	100.00%	241	21.89%	8.70%	1.00	250	103.45%	9	23
	30.00 to <100.00	230	2	100.00%	232	37.32%	15.88%	1.00	286	123.12%	17	42
	100.00 (Default)	890	5	594.55%	895	100.00%	30.03%	1.00	377	42.11%	341	228
	<b>Sub-total</b>	<b>112,607</b>	<b>3,733</b>	<b>100.64%</b>	<b>116,340</b>	<b>1.40%</b>	<b>8.10%</b>	<b>1.00</b>	<b>9,849</b>	<b>8.47%</b>	<b>456</b>	<b>488</b>
Retail - Qualifying revolving	0.00 to <0.15	129	4,144	109.08%	4,743	0.10%	67.24%	1.00	200	4.22%	3	1
	0.00 to <0.10	60	1,449	153.75%	2,312	0.05%	72.81%	1.00	68	2.93%	1	0
	0.10 to <0.15	69	2,695	85.07%	2,430	0.14%	61.94%	1.00	133	5.46%	2	1
	0.15 to <0.25	69	1,578	58.66%	995	0.18%	273.54%	1.00	321	32.28%	5	1
	0.25 to <0.50	167	561	121.27%	871	0.33%	64.77%	1.00	104	11.99%	2	1
	0.50 to <0.75	232	896	63.20%	801	0.60%	89.69%	1.00	219	27.39%	4	2
	0.75 to <2.50	714	1,165	78.56%	1,666	1.50%	56.40%	1.00	558	33.49%	14	9
	0.75 to <1.75	455	850	83.73%	1,195	1.25%	55.80%	1.00	348	29.15%	8	6
	1.75 to <2.5	259	315	64.59%	471	2.15%	57.94%	1.00	210	44.51%	6	3
	2.50 to <10.00	1,188	460	85.75%	1,642	5.21%	54.50%	1.00	1,255	76.40%	47	33
	2.5 to <5	676	309	77.35%	929	3.64%	54.49%	1.00	567	61.09%	18	15
	5 to <10	511	150	103.02%	714	7.25%	54.50%	1.00	687	96.32%	28	18
	10.00 to <100.00	656	168	74.32%	814	23.40%	55.32%	1.00	1,309	160.80%	107	86
	10 to <20	331	108	80.01%	433	12.96%	53.67%	1.00	568	131.06%	30	24
	20 to <30	60	5	139.97%	71	24.61%	60.18%	1.00	141	197.46%	11	10
	30.00 to <100.00	264	54	56.42%	310	37.73%	56.52%	1.00	600	193.97%	66	51
	100.00 (Default)	295	8	33.83%	298	100.00%	65.41%	1.00	62	20.85%	195	199
	<b>Sub-total</b>	<b>3,450</b>	<b>8,980</b>	<b>90.53%</b>	<b>11,831</b>	<b>5.18%</b>	<b>81.76%</b>	<b>1.00</b>	<b>4,030</b>	<b>34.06%</b>	<b>377</b>	<b>332</b>
Retail - Other SME	0.00 to <0.15	1,107	193	67.04%	1,237	0.11%	14.66%	1.00	51	4.11%	0	0
	0.00 to <0.10	496	-	-	496	0.09%	4.92%	1.00	6	1.13%	0	-
	0.10 to <0.15	610	193	67.04%	740	0.13%	21.19%	1.00	45	6.11%	0	0
	0.15 to <0.25	4,597	1,168	44.23%	5,123	0.18%	12.91%	1.00	435	8.49%	2	1
	0.25 to <0.50	4,082	323	79.01%	4,338	0.38%	24.36%	1.00	563	12.98%	4	6
	0.50 to <0.75	1,327	673	48.52%	1,671	0.56%	13.83%	1.00	481	28.79%	3	2
	0.75 to <2.50	5,702	856	68.93%	6,334	1.25%	23.62%	1.00	2,064	32.58%	26	39
	0.75 to <1.75	4,615	663	68.58%	5,094	1.04%	22.88%	1.00	1,465	28.77%	15	24
	1.75 to <2.5	1,087	193	70.13%	1,240	2.15%	26.68%	1.00	598	48.22%	10	15
	2.50 to <10.00	2,807	456	88.33%	3,243	5.19%	25.06%	1.00	1,574	48.52%	57	86
	2.5 to <5	1,191	330	84.26%	1,486	3.50%	24.49%	1.00	743	50.01%	19	30
	5 to <10	1,616	126	99.02%	1,757	6.63%	25.54%	1.00	830	47.26%	38	56
	10.00 to <100.00	1,275	88	92.52%	1,369	20.44%	31.24%	1.00	1,027	75.01%	104	145
	10 to <20	898	65	96.71%	968	15.10%	33.16%	1.00	682	70.43%	56	71
	20 to <30	154	10	90.47%	165	25.65%	19.00%	1.00	125	75.46%	12	22

	30.00 to <100.00	222	13	73.95%	236	38.72%	31.94%	1.00	221	93.45%	36	51
	100.00 (Default)	948	52	55.67%	979	100.00%	34.75%	1.00	326	33.29%	628	532
	<b>Sub-total</b>	<b>21,845</b>	<b>3,808</b>	<b>61.19%</b>	<b>24,294</b>	<b>6.35%</b>	<b>21.43%</b>	<b>1.00</b>	<b>6,520</b>	<b>26.84%</b>	<b>822</b>	<b>811</b>
Retail - Other non-SME	0.00 to <0.15	17,714	1,032	100.75%	18,754	0.08%	13.40%	1.00	668	3.56%	2	2
	0.00 to <0.10	13,658	802	100.79%	14,467	0.07%	11.03%	1.00	356	2.46%	1	1
	0.10 to <0.15	4,056	230	100.59%	4,287	0.12%	21.37%	1.00	312	7.28%	1	1
	0.15 to <0.25	4,586	289	80.16%	4,822	0.22%	8.87%	1.00	641	13.30%	3	2
	0.25 to <0.50	5,505	455	97.36%	5,950	0.34%	30.90%	1.00	1,198	20.13%	6	7
	0.50 to <0.75	4,347	180	89.34%	4,507	0.59%	36.54%	1.00	1,475	32.73%	10	6
	0.75 to <2.50	13,952	595	108.69%	14,603	1.43%	37.75%	1.00	7,438	50.93%	82	60
	0.75 to <1.75	10,561	537	110.88%	11,161	1.18%	37.36%	1.00	5,382	48.23%	51	40
	1.75 to <2.5	3,391	58	88.40%	3,442	2.21%	39.03%	1.00	2,055	59.70%	30	20
	2.50 to <10.00	7,575	272	100.33%	7,864	5.02%	36.40%	1.00	5,231	66.52%	152	137
	2.5 to <5	4,576	133	99.75%	4,723	3.64%	35.74%	1.00	3,138	66.44%	68	56
	5 to <10	2,999	139	100.88%	3,141	7.10%	37.39%	1.00	2,093	66.63%	83	81
	10.00 to <100.00	2,894	26	101.91%	2,935	23.49%	39.87%	1.00	3,057	104.16%	324	321
	10 to <20	1,689	18	105.09%	1,718	13.63%	39.23%	1.00	1,551	90.32%	98	112
	20 to <30	256	5	91.93%	264	22.84%	23.54%	1.00	243	91.87%	18	25
	30.00 to <100.00	950	2	100.31%	953	41.43%	45.56%	1.00	1,263	132.52%	208	183
	100.00 (Default)	2,114	7	84.34%	2,140	100.00%	50.77%	1.00	638	29.84%	1,136	1,118
	<b>Sub-total</b>	<b>58,686</b>	<b>2,856</b>	<b>98.99%</b>	<b>61,574</b>	<b>5.69%</b>	<b>27.70%</b>	<b>1.00</b>	<b>20,346</b>	<b>33.04%</b>	<b>1,715</b>	<b>1,652</b>
<b>TOTAL (all exposures classes)</b>		<b>477,747</b>	<b>186,736</b>	<b>65.63%</b>	<b>590,854</b>			<b>1.78</b>	<b>127,418</b>	<b>21.57%</b>	<b>7,020</b>	<b>8,221</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)												
IRB-A												
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	-	-	-	-	-	-	-	-	-	-	-
	0.15 to <0.25	59	-	-	3,104	0.16%	8.63%	4.01	325	10.46%	14	-
	0.25 to <0.50	134	-	-	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	-	-	-	-	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	139	-	-	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	11,531	4,280	51.17%	22,498	0.06%	29.69%	1.86	2,059	9.15%	3	17
	0.00 to <0.10	10,393	2,706	59.31%	19,952	0.05%	28.52%	1.94	1,476	7.40%	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%	1,757	0.18%	27.89%	1.95	469	26.67%	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	-	-	-	-	-	-	-	-	-	-	-
	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	-	-	-	-	-	-	-	-	-	-	-
	100.00 (Default)	225	191	0.07%	415	100.00%	45.00%	1.62	7	1.71%	384	384
	<b>Sub-total</b>	<b>14,714</b>	<b>10,156</b>	<b>47.90%</b>	<b>26,505</b>	<b>1.73%</b>	<b>30.90%</b>	<b>1.83</b>	<b>4,352</b>	<b>16.42%</b>	<b>403</b>	<b>408</b>
Corporates – SME	0.00 to <0.15	175	532	28.56%	619	0.09%	25.10%	1.87	54	8.68%	0	0
	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	36	304	1.60%	332	0.12%	11.49%	1.21	9	2.56%	0	0
	0.15 to <0.25	4,263	117	48.30%	4,328	0.16%	44.07%	2.50	1,200	27.74%	3	1
	0.25 to <0.50	3,420	241	36.37%	3,507	0.40%	43.06%	2.50	1,568	44.70%	6	5
	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	2,453	210	167.14%	2,543	1.17%	39.70%	2.51	1,617	63.61%	12	26
	0.75 to <1.75	2,165	198	172.63%	2,247	1.05%	39.36%	2.52	1,378	61.35%	9	21
	1.75 to <2.5	287	12	75.10%	296	2.12%	42.30%	2.48	239	80.74%	3	5
	2.50 to <10.00	1,252	89	35.89%	1,289	4.99%	35.29%	2.42	1,139	88.36%	24	89
	2.5 to <5	650	65	23.99%	673	3.45%	27.52%	2.36	423	62.83%	6	59
	5 to <10	601	25	67.13%	616	6.67%	43.79%	2.49	716	116.27%	18	31
	10.00 to <100.00	443	13	34.10%	445	22.60%	32.74%	2.46	578	129.68%	32	121
	10 to <20	224	7	30.87%	227	13.86%	34.79%	2.50	281	123.66%	12	40
	20 to <30	70	3	40.11%	68	23.46%	42.21%	2.29	113	165.89%	7	8
	30.00 to <100.00	149	3	35.47%	150	35.47%	25.33%	2.50	184	122.33%	14	74
	100.00 (Default)	366	6	8.46%	368	100.00%	46.65%	2.49	115	31.20%	171	217
	<b>Sub-total</b>	<b>12,427</b>	<b>1,218</b>	<b>56.73%</b>	<b>13,162</b>	<b>4.44%</b>	<b>40.89%</b>	<b>2.46</b>	<b>6,305</b>	<b>47.90%</b>	<b>249</b>	<b>460</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	-	-	-	-	-	-	-	-	-	-	-
	0.15 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%	13,624	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	-	-	-	-	-	-	-	-	-	-	-
	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>46,660</b>	<b>5.40%</b>	<b>14.19%</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	39,185	88,985	62.53%	88,020	0.06%	34.64%	2.11	13,825	15.71%	18	40
	0.00 to <0.10	28,889	71,949	62.52%	70,566	0.04%	34.03%	2.14	9,360	13.26%	10	26
	0.10 to <0.15	10,295	17,036	62.59%	17,455	0.12%	37.11%	1.98	4,465	25.58%	8	15
	0.15 to <0.25	586	1,406	71.01%	1,835	0.15%	38.69%	2.33	674	36.72%	1	2
	0.25 to <0.50	14,473	27,195	63.66%	25,074	0.31%	38.32%	2.52	12,842	51.22%	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	9,080	70.47%	11,200	1.02%	40.90%	2.75	10,958	97.84%	52	246
	0.75 to <1.75	8,908	8,381	70.68%	10,222	0.94%	38.44%	2.66	8,991	87.96%	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%	4,028	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	3,624	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	-	13	34.03%	32.87%	2.50	24	191.27%	1	1
	100.00 (Default)	1,899	543	28.05%	1,963	100.00%	44.77%	2.31	670	34.13%	1,621	1,622
	<b>Sub-total</b>	<b>72,825</b>	<b>131,106</b>	<b>63.58%</b>	<b>133,580</b>	<b>1.94%</b>	<b>36.44%</b>	<b>2.25</b>	<b>47,964</b>	<b>35.91%</b>	<b>1,894</b>	<b>2,575</b>
Retail - Secured by immovable property SME	0.00 to <0.15	251	0	100.00%	251	0.11%	17.47%	1.00	12	4.74%	0	0
	0.00 to <0.10	-	-	-	-	-	-	-	-	-	-	-
	0.10 to <0.15	251	0	100.00%	251	0.11%	17.47%	1.00	12	4.74%	0	0
	0.15 to <0.25	248	1	100.00%	249	0.22%	17.83%	1.00	19	7.84%	0	0
	0.25 to <0.50	1,523	25	100.00%	1,548	0.44%	10.78%	1.00	111	7.17%	1	2
	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	1,790	45	100.00%	1,836	1.29%	15.12%	1.00	378	20.61%	4	7
	0.75 to <1.75	1,729	45	100.00%	1,775	1.27%	15.02%	1.00	355	20.03%	3	6
	1.75 to <2.5	61	-	-	61	2.13%	18.06%	1.00	23	37.70%	0	1
	2.50 to <10.00	845	22	98.43%	867	5.36%	20.15%	1.00	513	59.21%	10	23
	2.5 to <5	272	10	96.73%	283	3.24%	18.21%	1.00	110	39.00%	2	4
	5 to <10	573	11	100.00%	584	6.38%	21.09%	1.00	403	68.99%	8	19
	10.00 to <100.00	321	10	100.00%	331	20.23%	21.11%	1.00	323	97.56%	14	28
	10 to <20	189	5	100.00%	194	13.37%	21.45%	1.00	179	92.33%	6	11
	20 to <30	84	1	100.00%	85	26.45%	19.17%	1.00	84	99.19%	4	9
	30.00 to <100.00	49	3	100.00%	52	35.72%	23.05%	1.00	59	114.39%	4	8
	100.00 (Default)	171	1	100.00%	172	100.00%	36.58%	1.00	67	38.69%	63	76
	<b>Sub-total</b>	<b>7,506</b>	<b>132</b>	<b>99.74%</b>	<b>7,638</b>	<b>4.31%</b>	<b>15.34%</b>	<b>1.00</b>	<b>1,672</b>	<b>21.89%</b>	<b>93</b>	<b>140</b>
Retail - Secured by immovable property non SME	0.00 to <0.15	74,757	2,715	100.00%	77,472	0.08%	9.43%	1.00	1,772	2.29%	6	6
	0.00 to <0.10	62,032	2,482	100.00%	64,514	0.07%	8.28%	1.00	1,119	1.74%	4	3
	0.10 to <0.15	12,725	233	100.00%	12,959	0.11%	15.17%	1.00	653	5.04%	2	3
	0.15 to <0.25	5,742	16	100.00%	5,758	0.22%	16.87%	1.00	562	9.76%	2	3
	0.25 to <0.50	15,188	563	100.00%	15,752	0.31%	11.22%	1.00	1,241	7.88%	6	7
	0.50 to <0.75	4,921	362	100.00%	5,283	0.59%	9.11%	1.00	490	9.27%	3	3
	0.75 to <2.50	3,861	178	100.00%	4,040	1.29%	18.42%	1.00	1,273	31.52%	9	21
	0.75 to <1.75	3,148	178	100.00%	3,326	1.09%	19.33%	1.00	1,014	30.48%	7	14
	1.75 to <2.5	714	0	100.01%	714	2.23%	14.18%	1.00	260	36.36%	2	7
	2.50 to <10.00	3,604	245	100.00%	3,849	7.30%	15.74%	1.00	2,833	73.61%	44	98
	2.5 to <5	412	4	100.00%	416	4.32%	15.03%	1.00	233	56.01%	3	9
	5 to <10	3,192	241	100.00%	3,433	7.66%	15.83%	1.00	2,600	75.74%	42	90
	10.00 to <100.00	884	24	100.00%	908	19.01%	18.22%	1.00	1,009	111.08%	31	80
	10 to <20	505	15	100.00%	520	11.79%	18.90%	1.00	561	107.82%	12	29
	20 to <30	218	7	100.00%	224	22.19%	16.02%	1.00	244	108.81%	8	22
	30.00 to <100.00	162	2	100.00%	163	37.59%	19.10%	1.00	204	124.58%	12	28
	100.00 (Default)	837	8	424.59%	845	100.00%	37.62%	1.00	333	39.41%	318	174
	<b>Sub-total</b>	<b>109,795</b>	<b>4,111</b>	<b>100.62%</b>	<b>113,906</b>	<b>1.32%</b>	<b>10.85%</b>	<b>1.00</b>	<b>9,512</b>	<b>8.35%</b>	<b>419</b>	<b>393</b>
	0.00 to <0.15	142	2,217	145.04%	3,446	0.08%	74.43%	1.00	136	3.94%	2	1

Retail - Qualifying revolving	0.00 to <0.10	60	1,532	147.79%	2,348	0.06%	76.67%	1.00	72	3.06%	1	0
	0.10 to <0.15	81	685	138.90%	1,098	0.12%	69.63%	1.00	64	5.82%	1	0
	0.15 to <0.25	73	3,304	64.13%	2,192	0.18%	134.93%	1.00	340	15.49%	5	1
	0.25 to <0.50	181	686	109.38%	955	0.33%	76.58%	1.00	140	14.66%	2	1
	0.50 to <0.75	221	719	68.61%	718	0.60%	90.92%	1.00	203	28.26%	4	2
	0.75 to <2.50	709	1,245	77.04%	1,702	1.44%	53.77%	1.00	535	31.43%	13	8
	0.75 to <1.75	505	1,038	76.85%	1,328	1.25%	52.63%	1.00	366	27.54%	9	5
	1.75 to <2.5	204	208	78.02%	374	2.15%	57.82%	1.00	169	45.27%	5	3
	2.50 to <10.00	1,263	558	78.48%	1,762	5.25%	52.88%	1.00	1,313	74.53%	49	33
	2.5 to <5	663	347	73.57%	931	3.51%	52.68%	1.00	538	57.80%	17	14
	5 to <10	599	211	86.56%	830	7.21%	53.11%	1.00	775	93.28%	32	19
	10.00 to <100.00	613	150	78.08%	763	24.54%	53.85%	1.00	1,205	157.98%	101	85
	10 to <20	303	100	83.28%	401	13.66%	52.73%	1.00	529	131.81%	29	27
	20 to <30	64	6	140.27%	76	24.37%	60.81%	1.00	151	199.43%	11	10
	30.00 to <100.00	247	44	57.97%	286	39.85%	53.57%	1.00	525	183.72%	61	48
	100.00 (Default)	287	5	34.65%	289	100.00%	66.79%	1.00	58	20.10%	193	201
Sub-total		3,489	8,884	91.10%	11,827	5.13%	79.12%	1.00	3,929	33.23%	370	331
Retail - Other SME	0.00 to <0.15	1,271	34	20.99%	1,278	0.10%	10.41%	1.00	35	2.74%	0	0
	0.00 to <0.10	650	-	-	650	0.09%	7.65%	1.00	12	1.82%	0	-
	0.10 to <0.15	622	34	20.99%	629	0.12%	13.25%	1.00	23	3.70%	0	0
	0.15 to <0.25	3,985	965	26.89%	4,245	0.17%	16.32%	1.00	234	5.52%	1	1
	0.25 to <0.50	4,377	453	60.80%	4,653	0.39%	25.64%	1.00	644	13.84%	4	5
	0.50 to <0.75	1,158	769	14.97%	1,273	0.57%	37.58%	1.00	360	28.25%	3	3
	0.75 to <2.50	5,357	1,007	36.49%	5,728	1.21%	32.32%	1.00	1,836	32.05%	23	33
	0.75 to <1.75	4,603	956	35.67%	4,947	1.07%	31.41%	1.00	1,487	30.06%	17	23
	1.75 to <2.5	753	51	51.82%	781	2.12%	38.08%	1.00	349	44.69%	6	11
	2.50 to <10.00	2,572	458	62.87%	2,866	5.27%	33.96%	1.00	1,325	46.22%	51	77
	2.5 to <5	1,054	353	61.38%	1,272	3.38%	36.12%	1.00	609	47.87%	16	25
	5 to <10	1,518	105	67.85%	1,594	6.79%	32.24%	1.00	716	44.90%	35	51
	10.00 to <100.00	1,240	81	67.69%	1,302	21.37%	35.78%	1.00	952	73.11%	101	148
	10 to <20	840	52	66.37%	877	15.34%	37.04%	1.00	604	68.85%	51	66
	20 to <30	179	13	66.86%	188	25.80%	28.22%	1.00	135	71.94%	14	25
	30.00 to <100.00	222	17	72.46%	237	40.21%	37.11%	1.00	213	89.84%	36	57
	100.00 (Default)	868	54	61.64%	904	100.00%	63.23%	1.00	281	31.05%	567	494
Sub-total		20,828	3,821	36.66%	22,249	6.46%	28.58%	1.00	5,666	25.47%	750	761
Retail - Other non-SME	0.00 to <0.15	18,892	1,251	86.51%	20,007	0.09%	12.81%	1.01	694	3.47%	2	2
	0.00 to <0.10	13,829	830	100.84%	14,699	0.07%	10.50%	1.01	356	2.42%	1	1
	0.10 to <0.15	5,063	421	58.25%	5,308	0.12%	19.20%	1.00	339	6.38%	1	1
	0.15 to <0.25	3,218	109	29.68%	3,251	0.20%	28.03%	1.00	433	13.33%	2	1
	0.25 to <0.50	5,924	483	89.98%	6,360	0.35%	30.43%	1.00	1,319	20.73%	7	6
	0.50 to <0.75	3,376	187	86.99%	3,539	0.59%	33.67%	1.00	1,050	29.67%	7	4
	0.75 to <2.50	13,967	577	98.85%	14,539	1.40%	38.48%	1.00	7,215	49.62%	78	54
	0.75 to <1.75	11,007	498	101.68%	11,515	1.18%	38.93%	1.00	5,502	47.78%	53	37
	1.75 to <2.5	2,960	79	81.08%	3,024	2.23%	36.75%	1.00	1,713	56.63%	25	17
	2.50 to <10.00	7,780	230	98.06%	8,008	5.14%	39.47%	1.00	5,340	66.68%	159	132
	2.5 to <5	4,325	60	91.64%	4,380	3.54%	40.36%	1.00	2,855	65.18%	62	43
	5 to <10	3,455	171	100.31%	3,628	7.07%	38.39%	1.00	2,485	68.49%	97	89
	10.00 to <100.00	2,667	19	92.99%	2,686	24.92%	41.30%	1.00	2,769	103.09%	317	326
	10 to <20	1,545	11	93.91%	1,557	14.35%	40.90%	1.00	1,398	89.80%	92	109
	20 to <30	237	7	90.80%	244	22.96%	28.75%	1.00	219	89.78%	16	24
	30.00 to <100.00	884	1	100.39%	886	44.06%	45.47%	1.00	1,152	130.13%	208	193
	100.00 (Default)	1,989	5	83.83%	2,027	100.00%	57.02%	1.00	613	30.25%	1,059	1,118
Sub-total		57,814	2,861	88.41%	60,417	5.59%	29.17%	1.00	19,434	32.17%	1,631	1,643
TOTAL (all exposures classes)		461,341	183,277	63.94%	568,908			1.72	112,650	19.80%	6,423	7,509

### 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>14,588</b>	<b>14,588</b>	<b>31,213</b>	<b>31,213</b>
2	Central governments and central banks	662	662	567	567
3	Institutions	1,825	1,825	2,149	2,149
4	Corporates	12,101	12,101	28,497	28,497
4.1	<i>of which Corporates - SMEs</i>	1,541	1,541	3,824	3,824
4.2	<i>of which Corporates - Specialised lending</i>	152	152	167	167
<b>5</b>	<b>Exposures under A-IRB</b>	<b>128,631</b>	<b>127,418</b>	<b>114,721</b>	<b>112,650</b>
6	Central governments and central banks	1,864	1,864	1,610	1,610
7	Institutions	3,273	3,365	4,010	4,352
8	Corporates	81,061	79,756	68,888	66,476
8.1	<i>of Corporates - SMEs</i>	8,876	8,876	6,305	6,305
8.1	<i>of which Corporates - Specialised lending</i>	11,550	11,550	12,207	12,207
9	Retail	42,432	42,432	40,213	40,213
9.1	<i>of which Retail – SMEs - Secured by immovable property collateral</i>	1,689	1,689	1,672	1,672
9.2	<i>of which Retail – non-SMEs - Secured by immovable property collateral</i>	9,849	9,849	9,512	9,512
9.3	<i>of which Retail – Qualifying revolving</i>	4,030	4,030	3,929	3,929
9.4	<i>of which Retail – SMEs - Other</i>	6,520	6,520	5,666	5,666
9.5	<i>of which Retail – Non-SMEs- Other</i>	20,346	20,346	19,434	19,434
<b>10</b>	<b>TOTAL (including F-IRB exposures and A-IRB exposures)</b>	<b>143,219</b>	<b>142,006</b>	<b>145,934</b>	<b>143,863</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	184,536												614	662
2	Institutions	462,955	0.00%	0.01%	0.01%									1,805	1,825
3	Corporates	26,616	0.10%	8.42%	8.41%	0.00%		-						12,169	12,101
3.1	Of which Corporates – SMEs	2,900	0.15%	27.74%	27.74%			-						1,554	1,541
3.2	Of which Corporates – Specialised lending	252												153	152
3.3	Of which Corporates – Other	23,463	0.10%	6.12%	6.12%	0.00%								10,462	10,408
4	TOTAL	674,106	0.01%	0.34%	0.34%	-		-						14,588	14,588

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	204,573	-	-	-	-	-	-	-	-	-	-	-	521	567
2	Institutions	457,970	0.00%	0.01%	0.01%	-	-	-	-	-	-	-	-	2,130	2,149
3	Corporates	56,547	0.08%	7.03%	7.03%	0.01%	-	-	-	-	-	-	-	28,562	28,497
3.1	<i>Of which Corporates – SMEs</i>	6,973	0.22%	19.87%	19.84%	0.03%	-	-	-	-	-	-	-	3,841	3,824
3.2	<i>Of which Corporates – Specialised lending</i>	309	-	23.49%	23.49%	-	-	-	-	-	-	-	-	169	167
3.3	<i>Of which Corporates – Other</i>	49,264	0.06%	5.11%	5.11%	0.00%	-	-	-	-	-	-	-	24,553	24,507
4	<b>TOTAL</b>	<b>719,090</b>	<b>0.01%</b>	<b>0.56%</b>	<b>0.56%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>31,213</b>	<b>31,213</b>

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 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 (%)			
1	Central governments and central banks	125,069	0.00%												1,190	1,864
2	Institutions	23,875	1.04%					-	-						3,444	3,365
3	Corporates	220,260	1.53%	10.52%	5.63%	0.00%	4.89%					0.09%			80,352	79,756
3.1	Of which Corporates – SMEs	17,401	0.60%	4.83%	4.82%	0.01%						1.16%			8,901	8,876
3.2	Of which Corporates – Specialised lending	46,350	0.92%	45.64%	22.40%		23.24%								12,456	11,550
3.3	Of which Corporates – Other	156,509	1.82%	0.75%	0.75%	-									58,995	59,330
4	Retail	221,650		16.90%	16.90%							39.22%			42,432	42,432
4.1	Of which Retail – Immovable property SMEs	7,611		73.41%	73.41%							22.05%			1,689	1,689
4.2	Of which Retail – Immovable property non-SMEs	116,340		27.18%	27.18%							71.94%			9,849	9,849
4.3	Of which Retail – Qualifying revolving	11,831													4,030	4,030
4.4	Of which Retail – Other SMEs	24,294		0.22%	0.22%							5.70%			6,520	6,520
4.5	Of which Retail – Other non-SMEs	61,574		0.31%	0.31%							0.28%			20,345	20,346
5	TOTAL	590,854	0.61%	10.26%	8.44%	-	1.82%	-	-			14.75%			127,418	127,418

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	26,505	0.78%	-	-	-	-	-	-	-	-	-	-	4,410	4,352
3	Corporates	193,402	1.86%	11.11%	5.59%	-	5.52%	-	-	-	-	0.14%	-	66,956	66,476
3.1	Of which Corporates – SMEs	13,162	0.65%	0.97%	0.97%	-	-	-	-	-	-	2.01%	-	6,306	6,305
3.2	Of which Corporates – Specialised lending	46,660	0.90%	45.32%	22.43%	-	22.89%	-	-	-	-	-	-	13,141	12,207
3.3	Of which Corporates – Other	133,580	2.31%	0.16%	0.16%	-	-	-	-	-	-	-	-	47,508	47,964
4	Retail	216,036	-	16.77%	16.77%	-	-	-	-	-	-	39.89%	-	40,212	40,213
4.1	Of which Retail – Immovable property SMEs	7,638	-	74.29%	74.29%	-	-	-	-	-	-	21.50%	-	1,672	1,672
4.2	Of which Retail – Immovable property non-SMEs	113,906	-	26.59%	26.59%	-	-	-	-	-	-	72.60%	-	9,512	9,512
4.3	Of which Retail – Qualifying revolving	11,827	-	-	-	-	-	-	-	-	-	-	-	3,929	3,929
4.4	Of which Retail – Other SMEs	22,249	-	0.27%	0.27%	-	-	-	-	-	-	7.30%	-	5,666	5,666
4.5	Of which Retail – Other non-SMEs	60,417	-	0.35%	0.35%	-	-	-	-	-	-	0.34%	-	19,433	19,434
5	TOTAL	568,908	0.67%	10.16%	8.27%	-	1.89%	-	-	-	-	15.19%	-	112,650	112,650

### 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)	140,927
2	Asset size (+/-)	(856)
3	Asset quality (+/-)	91
4	Model updates (+/-)	700
5	Methodology and policy (+/-)	-
6	Acquisitions and disposals (+/-)	-
7	Foreign exchange movements (+/-)	(242)
8	Other (+/-)	1,387
9	RWAs as at the end of the reporting period (30/06/2023)	142,006

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

### 2.2.3 Counterparty credit risk

Crédit Agricole S.A. 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 S.A. 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	27.9	6.9	38.9	9.3	0.7
Corporates	1.8	1.7	30.2	8.0	32.0	9.7	0.8
Retail Customers	-	-	-	-	-	-	-
Shares	-	-	-	-	-	-	-
Securitisations	-	-	-	-	-	-	-
Other non credit-obigation assets	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>13.9</b>	<b>4.1</b>	<b>67.7</b>	<b>15.3</b>	<b>81.6</b>	<b>19.4</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	25.7	6.6	37.5	8.9	0.7
Corporates	1.8	1.8	31.2	7.9	33.0	9.7	0.8
Retail Customers	-	-	-	-	-	-	-
Shares	-	-	-	-	-	-	-
Securitisations	-	-	-	-	-	-	-
Other non credit-obigation assets	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>14.4</b>	<b>4.0</b>	<b>69.9</b>	<b>14.8</b>	<b>84.4</b>	<b>18.9</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 computing 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)	3,139	2,332		1.4	11,967	7,660	7,651	3,400
2	IMM (for derivatives and SFTs)			25,921	1.65	101,418	42,770	42,583	11,545
2a	Of which securities financing transactions netting sets			-		-	-	-	-
2b	Of which derivatives and long settlement transactions netting sets			25,921		101,418	42,770	42,583	11,545
2c	Of which from contractual cross-product netting sets			-		-	-	-	-
3	Financial collateral simple method (for SFTs)					-	-	-	-
4	Financial collateral comprehensive method (for SFTs)					314,044	26,856	26,556	4,346
5	VaR for SFTs					-	-	-	-
6	<b>TOTAL</b>					<b>427,428</b>	<b>77,285</b>	<b>76,791</b>	<b>19,292</b>

31/12/2022		Replacem ent cost (RC)	Potential future exposure (PFE)	EEPE	Alpha used for computing 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)	3,014	1,984		1.4	12,783	6,997	6,993	3,561
2	IMM (for derivatives and SFTs)			27,580	1.65	104,630	45,507	45,307	11,855
2a	Of which securities financing transactions netting sets			-		-	-	-	-
2b	Of which derivatives and long settlement transactions netting sets			27,580		104,630	45,507	45,307	11,855
2c	Of which from contractual cross-product netting sets			-		-	-	-	-
3	Financial collateral simple method (for SFTs)					-	-	-	-
4	Financial collateral comprehensive method (for SFTs)					271,504	26,776	26,282	3,606
5	VaR for SFTs					-	-	-	-
6	<b>TOTAL</b>					<b>388,917</b>	<b>79,280</b>	<b>78,582</b>	<b>19,021</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 Exposure classes (in millions of euros)	Risk weight											
	0%	2%	4%	10%	20%	50%	70%	75%	100%	150%	Other	Total Exposure to credit risk
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	-	-	3,086	3,118	-	-	104	0	-	11,075
Corporates	-	-	-	-	14	142	-	-	1,635	8	-	1,798
Retail	-	-	-	-	-	-	-	4	-	-	-	4
Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-
Other items	-	-	-	-	-	-	-	-	-	4	-	4
<b>TOTAL EXPOSURE VALUE</b>	<b>1,019</b>	<b>4,765</b>	<b>-</b>	<b>-</b>	<b>3,105</b>	<b>3,260</b>	<b>-</b>	<b>4</b>	<b>1,739</b>	<b>12</b>	<b>-</b>	<b>13,905</b>

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

31/12/2022 Exposure classes (in millions of euros)	Risk weight											
	0%	2%	4%	10%	20%	50%	70%	75%	100%	150%	Other	Total Exposure to credit risk
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	8	5,776	-	-	3,267	2,698	-	-	131	0	-	11,880
Corporates	-	-	-	-	5	116	-	-	1,707	9	-	1,836
Retail	-	-	-	-	-	-	-	3	-	-	-	3
Institutions and corporates with a short-term credit assessment	-	-	-	-	-	-	-	-	-	-	-	-
Other items	-	-	-	-	-	-	-	-	-	5	-	5
<b>TOTAL EXPOSURE VALUE</b>	<b>688</b>	<b>5,776</b>	<b>-</b>	<b>-</b>	<b>3,276</b>	<b>2,813</b>	<b>-</b>	<b>3</b>	<b>1,838</b>	<b>14</b>	<b>-</b>	<b>14,410</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
Exposure classes (in millions of euros)								
Institutions	0.00 to <0.15	1	0.03%	-	0.50	-	-	
	0.15 to <0.25	-	-	-	-	-	-	
	0.25 to <0.50	-	-	-	-	-	-	
	0.50 to <0.75	-	-	-	-	-	-	
	0.75 to <2.50	-	-	-	-	-	-	
	2.50 to <10.00	-	-	-	-	-	-	

	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>1</b>	<b>0.03%</b>	<b>-</b>	<b>0.50</b>	<b>-</b>	<b>-</b>
Corporates - Other	0.00 to <0.15	283	0.04%	45.00%	2.49	49	17.25%
	0.15 to <0.25	-	1.70%	45.76%	2.51	-	40.68%
	0.25 to <0.50	-	0.35%	45.00%	2.50	-	61.54%
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	1	0.90%	45.00%	2.50	1	93.66%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>283</b>	<b>0.04%</b>	<b>45.00%</b>	<b>2.49</b>	<b>49</b>	<b>17.46%</b>
Corporates - SME	0.00 to <0.15	-	-	-	-	-	-
	0.15 to <0.25	-	-	-	-	-	-
	0.25 to <0.50	-	0.41%	44.90%	2.49	-	59.59%
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	-	0.92%	44.95%	2.49	-	77.06%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>-</b>	<b>0.57%</b>	<b>44.92%</b>	<b>2.49</b>	<b>-</b>	<b>64.97%</b>
<b>TOTAL</b>		<b>284</b>	<b>0.04%</b>	<b>44.89%</b>	<b>2.48</b>	<b>49</b>	<b>17.41%</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	-	-	-	-	-	-
	0.15 to <0.25	-	-	-	-	-	-
	0.25 to <0.50	-	-	-	-	-	-
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	-	-	-	-	-	-
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Corporates - Other	0.00 to <0.15	283	0.04%	45.00%	4.61	80	28.40%
	0.15 to <0.25	-	0.16%	45.00%	5.00	-	63.96%
	0.25 to <0.50	1	0.48%	45.00%	1.29	1	57.63%
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	1	1.08%	45.00%	3.48	1	112.39%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	100.00%	44.98%	5.00	-	-
	<b>Sub-total</b>	<b>286</b>	<b>0.05%</b>	<b>45.00%</b>	<b>4.59</b>	<b>83</b>	<b>28.89%</b>
Corporates - SME	0.00 to <0.15	-	-	-	-	-	-
	0.15 to <0.25	-	-	-	-	-	-
	0.25 to <0.50	-	0.47%	44.19%	4.95	-	83.72%
	0.50 to <0.75	-	-	-	-	-	-
	0.75 to <2.50	-	1.61%	45.16%	5.01	-	105.65%
	2.50 to <10.00	-	-	-	-	-	-
	10.00 to <100.00	-	-	-	-	-	-
	100.00 (Default)	-	-	-	-	-	-
	<b>Sub-total</b>	<b>-</b>	<b>1.32%</b>	<b>44.91%</b>	<b>4.99</b>	<b>-</b>	<b>100.00%</b>
<b>TOTAL</b>		<b>286</b>	<b>0.05%</b>	<b>45.00%</b>	<b>4.59</b>	<b>83</b>	<b>28.90%</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	22,918	0.07%	33.74%	2.15	4,327	18.88%
	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>27,859</b>	<b>0.12%</b>	<b>34.71%</b>	<b>2.05</b>	<b>6,934</b>	<b>24.89%</b>
Corporates - Other	0.00 to <0.15	19,843	0.05%	28.22%	1.64	2,631	13.26%
	0.15 to <0.25	2,012	0.16%	41.72%	2.36	997	49.55%
	0.25 to <0.50	3,708	0.31%	33.12%	1.36	1,480	39.92%
	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>29,215</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>67,368</b>	<b>0.17%</b>	<b>29.66%</b>	<b>2.04</b>	<b>15,239</b>	<b>22.62%</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	-	-	-	-	-	-
	10.00 to <100.00	5	20.00%	45.00%	4.77	13	276.99%
	100.00 (Default)	-	-	-	-	-	-
	<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	21,055	0.07%	32.77%	2.33	4,016	19.07%
	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>25,659</b>	<b>0.12%</b>	<b>34.24%</b>	<b>2.21</b>	<b>6,604</b>	<b>25.74%</b>
Corporates - Other	0.00 to <0.15	19,306	0.05%	28.13%	1.62	2,400	12.43%
	0.15 to <0.25	2,410	0.16%	38.33%	2.34	1,068	44.30%
	0.25 to <0.50	4,193	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>30,166</b>	<b>0.28%</b>	<b>30.17%</b>	<b>1.53</b>	<b>7,534</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)	-	-	-	-	-	-
	<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	-	-	-	-	-	-
	0.15 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%	53.65%	1.00	-	82.49%
	2.50 to <10.00	-	3.14%	53.70%	1.00	-	103.19%
	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>54.50%</b>	<b>1.00</b>	<b>-</b>	<b>62.03%</b>
<b>TOTAL</b>		<b>69,663</b>	<b>0.18%</b>	<b>27.45%</b>	<b>2.06</b>	<b>14,748</b>	<b>21.17%</b>

### 2.2.3.5 Guarantees

#### 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	-	11,584	43	29,571	-	871	-	1,074
2	Cash – other currencies	-	11,760	87	12,198	-	370	-	194
3	Domestic sovereign debt	-	4,402	-	42	-	146,279	-	136,218
4	Other sovereign debt	-	3,212	-	-	-	169,977	-	137,354
5	Government agency debt	-	66	1,427	4,182	-	21,195	-	16,799
6	Corporate bonds	-	2,157	-	-	-	19,749	-	19,432
7	Equity securities	-	75	-	-	-	23,507	-	14,642
8	Other collateral	-	23	41	43	-	8,728	-	8,768
9	<b>TOTAL</b>	-	<b>33,278</b>	<b>1,599</b>	<b>46,035</b>	-	<b>390,676</b>	-	<b>334,481</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	-	14,520	587	34,441	-	1,487	-	1,321
2	Cash – other currencies	-	9,267	117	15,131	-	726	-	544
3	Domestic sovereign debt	-	4,913	-	47	-	139,865	-	130,410
4	Other sovereign debt	-	3,057	-	-	-	121,338	-	99,510
5	Government agency debt	-	24	1,704	2,767	-	12,719	-	10,556
6	Corporate bonds	-	2,152	-	-	-	28,310	-	20,730
7	Equity securities	-	35	-	-	-	22,043	-	12,744
8	Other collateral	-	6	48	48	-	5,045	-	7,669
9	<b>TOTAL</b>	-	<b>33,974</b>	<b>2,456</b>	<b>52,434</b>	-	<b>331,532</b>	-	<b>283,483</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>11,197</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>11,545</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	18,583	3,478	19,355	3,384
2	(i) VaR component (including the 3x multiplier)	-	737	-	861
3	(ii) stressed VaR component (including the 3x multiplier)	-	2,741	-	2,523
4	Transactions subject to the Standardised method	23,412	1,731	20,932	1,552
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>41,995</b>	<b>5,209</b>	<b>40,286</b>	<b>4,936</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	949,759	300,976	139,037	161,939	4,678		
2	Debt securities	105,871	55	12	43			
3	TOTAL	1,055,629	301,031	139,049	161,982	4,678		
4	Of which non-performing exposures	3,492	4,037	2,146	1,892	-		
5	Of which defaulted	3,450	3,989	2,120	1,869	-		

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	1,033,423	238,755	111,847	126,908	7,121
2	Debt securities	109,217	-	-	-	
3	TOTAL	1,142,641	238,755	111,847	126,908	7,121
4	Of which non-performing exposures	3,379	4,166	2,949	1,217	-
5	Of which defaulted	3,333	4,110	2,910	1,200	

## 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	1,318	100	190%	1,419	2,696	11
Exchange-traded equity exposures	105	-	290%	105	304	1
Other equity exposures	10,171	-	370%	10,111	37,410	243
<b>TOTAL</b>	<b>11,594</b>	<b>100</b>		<b>11,634</b>	<b>40,410</b>	<b>255</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	1,287	87	190%	1,375	2,612	11
Exchange-traded equity exposures	91	-	290%	91	263	1
Other equity exposures	7,884	-	370%	7,830	28,970	188
<b>TOTAL</b>	<b>9,262</b>	<b>87</b>		<b>9,295</b>	<b>31,845</b>	<b>200</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		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		of which SRT	STS		Non-STS	STS			Non-STS			
		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		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		of which SRT	STS		Non-STS	STS			Non-STS			
			of which SRT		of which SRT											
(in millions of euros)																
1	Total exposures	20,207	-	1,486	-	16,442	16,442	38,135	3,981	15,174	-	19,155	1,032	2,232	7	3,271
2	Retail (total)	107	-	279	-	-	-	386	1,271	7,760	-	9,031	1,032	961	7	2,001
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	740	-	1,632
6	Re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	1	7	8
7	Wholesale (total)	20,100	-	1,208	-	16,442	16,442	37,749	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	20,100	-	1,044	-	-	-	21,144	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	824	7	186	399	66	1
2	Traditional transactions	37,244	2,320	34	-	-	1,108	33,764	4,727	-	166	4,986	824	7	13	399	66	1
3	Securitisation	37,244	2,320	34	-	-	1,108	33,764	4,727	-	166	4,986	824	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	482	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	35,161	4,468	1	3,278	5,393	836	7	262	431	67	1
2	Traditional transactions	38,012	2,803	32	1	-	1,220	35,161	4,468	1	183	5,393	836	7	15	431	67	1
3	Securitisation	38,012	2,803	32	1	-	1,220	35,161	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	27,999	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		Valeurs exposées au risque (par fourchette de pondération/déductions)					Valeurs exposées au risque (par approche réglementaire)				RWA (par approche réglementaire)				Exigence de fonds propres après application du plafond			
		≤20% RW	>20% to 50% RW	>50% to 100% RW	>100% to <1250% RW	1250% RW/ deductions	SEC-IRBA	SEC-ERBA (inclu- g IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (inclu- g IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (inclu- g 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 (inclu- g IAA)	SEC-SA	1250%	SEC-IRBA	SEC-ERBA (inclu- g IAA)	SEC-SA	1250%/ deductions	SEC-IRBA	SEC-ERBA (inclu- g IAA)	SEC-SA	1250%
(in millions of euros)																		
1	Total exposures	3,043	144	76	8	1	758	1,891	622	-	131	238	377	-	10	19	30	-
2	Traditional securitisation	3,036	144	76	8	1	758	1,891	615	-	131	238	288	-	10	19	23	-
3	Securitisation	3,036	144	76	8	-	758	1,891	614	-	131	238	274	-	10	19	22	-
4	Retail underlying	1,830	124	38	2	-	26	1,495	472	-	6	219	251	-	-	18	20	-
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

(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
			Of which exposures in default	
1	<b>Total exposures</b>	56,108	1,587	-
2	<b>Retail (total)</b>	8,354	15	-
3	Residential mortgage	1	-	-
4	Credit card	235	-	-
5	Other retail exposures	8,118	15	-
6	Re-securitisation	-	-	-
7	<b>Wholesale (total)</b>	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

(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
			Of which exposures in default	
1	<b>Total exposures</b>	57,290	1,166	-
2	<b>Retail (total)</b>	9,417	20	-
3	Residential mortgage	2	-	-
4	Credit card	240	-	-
5	Other retail exposures	9,175	20	-
6	Re-securitisation	-	-	-
7	<b>Wholesale (total)</b>	47,873	1,146	-
8	Loans to corporates	14,600	140	-
9	Commercial mortgage	-	-	-
10	Lease and receivables	28,094	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 THE 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	2,144	2,353
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>2,920</b>	<b>3,004</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</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>6</b>	<b>TOTAL</b>	<b>9,867</b>	<b>789</b>	<b>11,274</b>	<b>902</b>

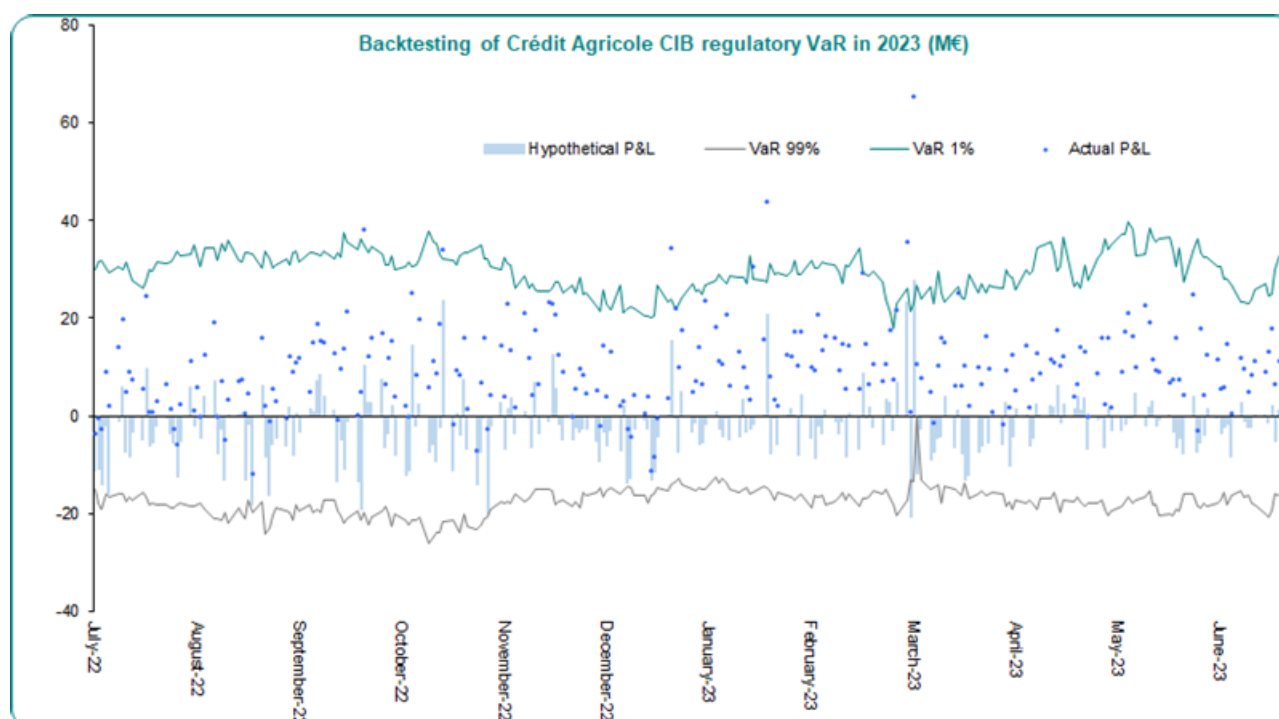
## RWA FLOW STATEMENTS OF MARKET RISK EXPOSURES UNDER THE IMA (MR2-B)

30/06/2023		VaR	SVaR	IRC	Comprehensive risk measure	Other	Total RWAs	Total own funds requirements
(in millions of euros)								
1	RWEAs at previous period end (31/03/2023)	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
8	RWEAs at the end of the reporting period (30/06/2023)	3,034	4,138	2,696	-	-	9,867	789

## VALUE OF THE TRADING PORTFOLIO USING THE INTERNAL MODELS APPROACH (IMA) (MR3)

(in millions of euros)		30/06/2023	31/12/2022
1	VaR (10 days, 99 %)		
2	Maximum value	66	84
3	Mean value	54	48
4	Minimum value	41	21
5	End of period value	49	49
6	VaR in stressed period (10 days, 99 %)		
7	Maximum value	96	133
8	Mean value	70	76
9	Minimum value	43	46
10	End of period value	66	69
11	Capital requirement in line with IRC (99,9 %)		
12	Maximum value	260	432
13	Mean value	149	134
14	Minimum value	50	49
15	End of period value	140	49
16	Capital requirement in line with CRM (99,9 %)		
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 S.A.									
(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)					347 004	360 513	373 224	381 598
CASH-OUTFLOWS									
2	Retail deposits and deposits from small business customers, of which:	414 657	414 899	412 837	409 070	27 082	27 301	27 347	27 132
3	Stable deposits	296 374	295 591	292 403	288 640	14 819	14 780	14 620	14 432
4	Less stable deposits	118 283	119 308	120 434	120 429	12 263	12 522	12 727	12 700
5	Unsecured wholesale funding	387 292	401 294	413 280	418 444	205 702	215 350	223 092	227 517
6	Operational deposits (all counterparties) and deposits in networks of cooperative banks	193 768	205 329	214 913	214 234	84 690	93 681	100 959	101 189
7	Non-operational deposits (all counterparties)	166 603	169 791	175 114	181 469	94 092	95 495	98 880	103 587
8	Unsecured debt	26 920	26 174	23 253	22 741	26 920	26 174	23 253	22 741
9	Secured wholesale funding					34 981	32 894	31 811	30 126
10	Additional requirements	193 026	190 825	189 075	186 597	55 148	53 797	52 114	49 839
11	Outflows related to derivative exposures and other collateral requirements	36 347	34 642	33 255	31 364	22 308	21 123	19 623	17 834
12	Outflows related to loss of funding on debt products								
13	Credit and liquidity facilities	156 680	156 183	155 820	155 234	32 840	32 674	32 491	32 005
14	Other contractual funding obligations	46 120	44 541	44 670	46 516	6 380	5 866	5 668	5 743
15	Other contingent funding obligations	70 005	67 660	64 536	63 270	3 690	3 573	3 417	3 354
16	TOTAL CASH OUTFLOWS					332 982	338 782	343 448	343 712
CASH-INFLOWS									
17	Secured lending (e.g. reverse repos)	224 492	215 542	204 693	201 919	36 218	34 713	33 032	30 315
18	Inflows from fully performing exposures	71 661	71 867	70 983	68 046	51 471	51 032	50 018	47 470
19	Other cash inflows	7 557	7 017	6 880	7 073	7 557	7 017	6 880	7 073
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	303 709	294 426	282 555	277 038	95 245	92 761	89 929	84 858
EU-20a	Fully exempt inflows	-	-	-	-	-	-	-	-
EU-20b	Inflows subject to 90% cap	-	-	-	-	-	-	-	-
EU-20c	Inflows subject to 75% cap	243 533	237 454	229 539	227 506	95 245	92 761	89 929	84 858
EU-21	LIQUIDITY BUFFER					347 004	360 513	373 224	381 598
22	TOTAL NET CASH OUTFLOWS*					237 737	246 021	253 519	258 854
23	LIQUIDITY COVERAGE RATIO**					146.44%	147.21%	147.87%	147.82%

\*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: CREDIT AGRICOLE S.A.		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	63 579	0	59	18 159	81 768
2	Own funds	63 579	0	59	18 159	81 768
3	Other capital instruments		-	-	-	-
4	Retail deposits		413 790	1 631	4 205	392 860
5	Stable deposits		295 467	49	2 577	283 317
6	Less stable deposits		118 323	1 582	1 628	109 543
7	Wholesale funding		732 139	144 506	219 557	447 846
8	Operational deposits		142 569	-	-	71 284
9	Other wholesale funding		589 571	144 506	219 557	376 562
10	Interdependent liabilities		78 083	-	-	-
11	Other liabilities		128 508	2 041	7 789	8 810
12	NSFR derivative liabilities					-
13	All other liabilities and capital instruments not included in the above categories		128 508	2 041	7 789	8 810
14	Total available stable funding (ASF)					931 283
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					14 158
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		284	450	19 868	17 512
16	Deposits held at other financial institutions for operational purposes		7 719	-	-	3 860
17	Performing loans and securities:		421 705	143 359	602 319	672 427
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		156 815	10 600	5 197	12 959
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		142 171	89 630	260 931	318 613
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		79 872	31 061	197 463	225 572
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		2 689	1 667	5 822	5 962
22	Performing residential mortgages, of which:		5 349	5 296	116 980	85 521
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		4 072	4 134	101 106	70 808
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		37 498	6 772	21 748	29 763
25	Interdependent assets		78 083	-	-	-
26	Other assets:		93 174	1 705	38 682	81 004
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		163			163
30	NSFR derivative liabilities before deduction of variation margin posted		6 504			325
31	All other assets not included in the above categories		82 483	1 705	38 136	76 632
32	Off-balance sheet items		75 540	14 378	160 729	14 690
33	Total required stable funding (RSF)					803 651
34	Net Stable Funding Ratio (%)					115.88%

**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: CREDIT AGRICOLE S.A.		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	63 065		143	17 016	80 152
2	Own funds	63 065		143	17 016	80 152
3	Other capital instruments					
4	Retail deposits		413 912	2 748	4 126	394 068
5	Stable deposits		298 911	59	2 313	286 335
6	Less stable deposits		115 001	2 688	1 813	107 734
7	Wholesale funding		731 616	68 221	275 020	470 136
8	Operational deposits		154 553			77 277
9	Other wholesale funding		577 063	68 221	275 020	392 860
10	Interdependent liabilities		81 006			
11	Other liabilities	-	109 434	4 997	7 676	10 175
12	NSFR derivative liabilities	-				
13	All other liabilities and capital instruments not included in the above categories		109 434	4 997	7 676	10 175
14	Total available stable funding (ASF)					954 532
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					5 678
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		226	356	20 530	17 945
16	Deposits held at other financial institutions for operational purposes		6 659			3 330
17	Performing loans and securities:		440 947	84 134	670 295	714 000
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		161 205	5 178	5 005	10 185
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		159 313	36 550	332 737	368 954
20	Performing loans to non-financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		78 662	30 332	195 789	222 270
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		1 398	774	7 009	5 642
22	Performing residential mortgages, of which:		5 303	5 061	117 322	85 328
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		4 026	4 080	102 025	71 197
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		36 464	7 012	19 442	27 263
25	Interdependent assets		81 006			
26	Other assets:		84 293	3 691	40 970	80 147
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		337			337
30	NSFR derivative liabilities before deduction of variation margin posted		5 249			262
31	All other assets not included in the above categories		74 944	3 691	40 437	75 897
32	Off-balance sheet items		73 014	15 092	160 778	14 714
33	Total required stable funding (RSF)					835 815
34	Net Stable Funding Ratio (%)					114,20%

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

Net Stable Funding Ratio (NSFR) at 31/03/2023		a	b	c	d	e
Scope of consolidation: CREDIT AGRICOLE S.A.		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	65 297	57	82	16 297	81 635
2	Own funds	65 297	57	82	16 297	81 635
3	Other capital instruments					
4	Retail deposits		409 717	3 794	5 206	392 301
5	Stable deposits		298 549	131	2 666	286 412
6	Less stable deposits		111 169	3 662	2 540	105 888
7	Wholesale funding		746 377	94 080	271 377	469 552
8	Operational deposits		138 991			69 495
9	Other wholesale funding		607 386	94 080	271 377	400 057
10	Interdependent liabilities		86 770			
11	Other liabilities	5 579	126 237	6 172	12 948	16 034
12	NSFR derivative liabilities	5 579				
13	All other liabilities and capital instruments not included in the above categories		126 237	6 172	12 948	16 034
14	Total available stable funding (ASF)					959 522
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					6 629
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		353	259	21 269	18 599
16	Deposits held at other financial institutions for operational purposes		7 086			3 543
17	Performing loans and securities:		483 393	105 551	661 244	716 640
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		202 590	8 307	5 966	14 051
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		162 762	55 189	322 767	368 685
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		77 057	31 474	198 266	224 287
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		1 389	393	7 039	5 466
22	Performing residential mortgages, of which:		5 277	4 898	117 614	84 606
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		4 078	3 991	102 282	70 520
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		35 705	5 684	16 630	25 011
25	Interdependent assets		86 770			
26	Other assets:		152 006	3 198	40 671	92 429
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		-			
30	NSFR derivative liabilities before deduction of variation margin posted		62 126			3 106
31	All other assets not included in the above categories		76 949	3 198	40 134	77 874
32	Off-balance sheet items		64 549	19 901	160 734	14 555
33	Total required stable funding (RSF)					852 394
34	Net Stable Funding Ratio (%)					112.57%



**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: CREDIT AGRICOLE S.A.		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	67 160	75		16 062	83 222
2	Own funds	67 160	75		16 062	83 222
3	Other capital instruments					
4	Retail deposits		405 845	3 313	5 230	388 296
5	Stable deposits		296 275	216	2 329	283 996
6	Less stable deposits		109 570	3 096	2 901	104 301
7	Wholesale funding		689 558	82 297	277 685	474 990
8	Operational deposits		133 102			66 551
9	Other wholesale funding		556 456	82 297	277 685	408 439
10	Interdependent liabilities		90 700			
11	Other liabilities	4 675	136 943	4 052	6 927	8 953
12	NSFR derivative liabilities	4 675				
13	All other liabilities and capital instruments not included in the above categories		136 943	4 052	6 927	8 953
14	Total available stable funding (ASF)					955 461
Required stable funding (RSF) Items						
15	Total high-quality liquid assets (HQLA)					6 858
EU-15a	Assets encumbered for a residual maturity of one year or more in a cover pool		393	296	23 188	20 296
16	Deposits held at other financial institutions for operational purposes		5 899			2 949
17	Performing loans and securities:		464 045	94 413	662 119	714 002
18	Performing securities financing transactions with financial customers collateralised by Level 1 HQLA subject to 0% haircut		173 633	12 280	5 782	16 703
19	Performing securities financing transactions with financial customer collateralised by other assets and loans and advances to financial institutions		174 640	39 849	325 141	365 047
20	Performing loans to non- financial corporate clients, loans to retail and small business customers, and loans to sovereigns, and PSEs, of which:		76 534	30 927	197 624	223 303
21	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		856	354	7 618	5 557
22	Performing residential mortgages, of which:		5 010	4 849	117 237	84 227
23	With a risk weight of less than or equal to 35% under the Basel II Standardised Approach for credit risk		3 935	3 911	101 778	70 080
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		34 226	6 508	16 335	24 721
25	Interdependent assets		94 452			
26	Other assets:		151 918	3 481	39 830	88 611
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		-			
30	NSFR derivative liabilities before deduction of variation margin posted		66 022			3 301
31	All other assets not included in the above categories		77 201	3 481	39 302	77 470
32	Off-balance sheet items		61 912	19 315	163 196	14 544
33	Total required stable funding (RSF)					847 260
34	Net Stable Funding Ratio (%)					112.77%

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 €0.9 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 S.A. 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	(2,9)	(4,4)
2 Parallel down	1,7	2,4
3 Steepener	(0,8)	(2,2)
4 Flattenner	0,1	0,7
5 Short rate up	(0,7)	(0,2)
6 Short rate down	0,3	(0,3)

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)	0,3	0,3	0,4	0,5	0,5	0,7
2 Parallel down (- 50 bp)	(0,1)	(0,2)	(0,3)	(0,4)	(0,5)	(0,7)

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 +€0.3 billion, +€0.2 billion and +€0.2 billion for a parallel upward shock scenario, and respectively -€0.1 billion, -€0.1 billion and -€0.1 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 S.A. 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 S.A. 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)

### 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 Pillar 3 Quantitative ESG

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
	Gross carrying amount				
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
1 Exposures towards sectors that highly contribute to climate change*	212 202	23 068		26 214	6 645
2 A - Agriculture, forestry and fishing	5 313	10		536	310
3 B - Mining and quarrying	9 460	5 225		1 806	450
4 B.05 - Mining of coal and lignite	96	-		2	0
5 B.06 - Extraction of crude petroleum and natural gas	5 608	3 535		1 237	40
6 B.07 - Mining of metal ores	1 893	1 016		466	20
7 B.08 - Other mining and quarrying	715	88		88	358
8 B.09 - Mining support service activities	1 148	585		13	33
9 C - Manufacturing	58 056	10 329		4 997	1 180
10 C.10 - Manufacture of food products	7 459	80		438	191
11 C.11 - Manufacture of beverages	2 489	49		80	4
12 C.12 - Manufacture of tobacco products	10	-		1	0
13 C.13 - Manufacture of textiles	568	-		159	8
14 C.14 - Manufacture of wearing apparel	411	-		44	35
15 C.15 - Manufacture of leather and related products	500	-		59	12
16 C.16 - Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	450	-		48	17
17 C.17 - Manufacture of pulp, paper and paperboard	1 562	-		50	18
18 C.18 - Printing and service activities related to printing	324	-		41	13
19 C.19 - Manufacture of coke oven products	2 576	1 639		180	88
20 C.20 - Production of chemicals	4 222	557		373	23
21 C.21 - Manufacture of pharmaceutical preparations	2 783	514		205	1
22 C.22 - Manufacture of rubber products	1 738	36		342	18
23 C.23 - Manufacture of other non-metallic mineral products	1 413	3		214	39
24 C.24 - Manufacture of basic metals	7 542	5 336		448	52
25 C.25 - Manufacture of fabricated metal products, except machinery and equipment	3 845	101		785	194
26 C.26 - Manufacture of computers, electronic and optical products	3 880	93		132	7
27 C.27 - Manufacture of electrical equipment	2 674	239		254	52
28 C.28 - Manufacture of machinery and equipment n.e.c.	3 593	20		375	131
29 C.29 - Manufacture of motor vehicles, trailers and semi-trailers	6 040	1 662		422	41
30 C.30 - Manufacture of other transport equipment	2 344	-		87	137
31 C.31 - Manufacture of furniture	371	-		63	54
32 C.32 - Other manufacturing	611	-		97	24
33 C.33 - Repair and installation of machinery and equipment	651	0		101	22
34 D - Electricity, gas, steam and air conditioning supply	23 818	5 524		1 487	308
35 D.35.1 - Electric power generation, transmission and distribution	20 805	4 350		1 443	304
36 D.35.11 - Production of electricity	15 531	1 823		1 119	258
37 D.35.2 - Manufacture of gas; distribution of gaseous fuels through mains	2 893	1 133		41	1
38 D.35.3 - Steam and air conditioning supply	120	42		2	3
39 E - Water supply; sewerage, waste management and remediation activities	1 869	43		102	13
40 F - Construction	9 504	185		1 499	535
41 F.41 - Construction of buildings	4 233	25		249	342
42 F.42 - Civil engineering	1 508	153		236	49
43 F.43 - Specialised construction activities	3 763	7		1 013	144
44 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	36 689	1 052		4 382	1 226
45 H - Transportation and storage	24 104	699		5 364	1 103
46 H.49 - Land transport and transport via pipelines	8 299	512		594	85
47 H.50 - Water transport	8 822	180		2 494	365
48 H.51 - Air transport	5 115	4		1 878	628
49 H.52 - Warehousing and support activities for transportation	1 814	4		397	25
50 H.53 - Postal and courier activities	55	-		2	0
51 I - Accommodation and food service activities	7 727	-		2 766	553
52 L - Real estate activities	35 661	1		3 275	966
53 Exposures towards sectors other than those that highly contribute to climate change*	565 563	1 142		6 011	2 360
54 K - Financial and insurance activities	510 234	860		799	659
55 Exposures to other sectors (NACE codes J, M - U)	55 329	281		5 212	1 701
56 TOTAL	777 765	24 209		32 225	9 005

	f	g	h	i	j	k	l	m	n	o	p
	Accumulated impairment	accumulated negative changes in fair value due to credit risk and Of which Stage 2 exposures	Of which non-performing exposures	GHG financed emissions (scope 1, scope 2 and scope 3 Of which scope 3 financed emissions)	GHG emissions (column i): gross carrying amount percentage of the portfolio	≤ 5 years	> 5 year ≤ 10 years	Breakdown by maturity bucket	> 10 year ≤ 20 years	> 20 years	Average weighted maturity
1	4 000	1 087	2 721			156 746	29 736	21 859	3 843	4 301	
2	722	62	137			2 273	1 010	183	143	512	
3	331	193	129			3 066	1 283	100	9	232	
4	0	0	0			95	0		-	0,69	
5	143	123	33			4 579	933	86	21	243	
6	73	68	2			1 723	168	1	15	152	
7	109	2	106			646	66	2	0	1,80	
8	6	0	6			1 023	117	0	8	2,02	
9	915	337	516			51 803	5 005	751	498	2,48	
10	123	37	70			6 249	910	157	143	2,81	
11	1	1	1			2 148	341	44	24	2,44	
12	0	0	0			1 150	0		15	1,43	
13	6	3	4			448	99	16	5	3,30	
14	17	1	14			396	30	5	3	3,48	
15	8	2	6			475	22	3	1	1,77	
16	8	1	6			324	104	8	13	4,33	
17	19	3	14			1 397	159	1	6	2,04	
18	6	1	5			280	38	4	2	2,77	
19	23	1	20			2 238	541	64	24	2,29	
20	23	24	15			3 753	405	47	13	2,38	
21	21	17	0			2 395	373	4	24	2,81	
22	28	16	7			1 543	270	13	34	3,48	
23	8	8	21			1 196	196	19	38	3,25	
24	104	75	26			7 291	236	8	7	1,60	
25	208	83	119			2 407	393	44	23	2,36	
26	9	4	4			3 562	217	20	2	1,47	
27	23	13	9			2 440	206	9	19	2,53	
28	116	9	103			3 187	240	32	55	2,59	
29	26	11	12			3 888	38	37	17	1,51	
30	13	13	16			2 083	151	86	24	2,70	
31	19	1	17			266	46	51	3	4,60	
32	26	7	18			492	83	16	30	6,50	
33	13	3	9			493	107	43	8	3,30	
34	107	15	82			18 762	3 108	1 603	145	3,72	
35	103	15	79			16 712	2 327	1 512	144	3,72	
36	92	13	73			11 799	2 055	1 422	144	3,93	
37	2	0	2			1 992	743	138	0	3,54	
38	0	2	2			39	39	33	0	7,14	
39	9	2	5			1 197	862	271	39	5,03	
40	345	42	287			7 852	1 059	169	234	3,24	
41	204	14	187			3 607	363	188	74	2,66	
42	46	4	39			1 224	159	81	45	3,41	
43	95	24	61			3 021	517	100	156	3,84	
44	803	143	633			28 753	5 179	2 136	690	3,72	
45	367	86	256			17 429	3 150	1 222	304	4,03	
46	63	22	31			6 062	1 595	529	113	4,42	
47	152	21	160			6 475	2 755	454	127	4,09	
48	85	36	47			3 570	1 947	159	80	3,83	
49	26	6	18			1 270	451	80	13	3,69	
50	0	0	0			32	32	1	0	1,55	
51	293	100	180			5 541	1 297	673	236	4,80	
52	608	105	435			14 369	6 311	13 560	1 421	8,81	
53	1 442	244	1 098			381 716	106 200	59 285	17 813	4,88	
54	602	84	622			940 598	97 106	56 532	16 036	4,83	
55	832	180	577			41 145	8 593	2 703	2 885	4,32	
56	4 402	1 393	3 035			154 400	156 437	81 094	23 754	4,68	

\* 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 S.A. , 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, Crédit Agricole S.A. 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, Credit Agricole S.A. 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)																Of which level of energy efficiency (EP score in kWh/m² of collateral) estimated
		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				
1	Total EU area	148 001	24 517	43 972	38 493	20 204	6 428	4 637	1 750	2 068	2 193	3 693	2 930	1 645	5 811	127 911		
2	Of which Loans collateralised by commercial immovable property	22 546	2 468	3 624	2 632	2 130	1 791	1 101	546	802	591	650	435	189	205	19 128		
3	Of which Loans collateralised by residential immovable property	125 455	22 049	40 348	35 859	18 075	4 636	3 536	1 204	1 266	1 602	3 042	2 495	1 456	5 607	108 783		
4	Of which Collateral obtained by taking possession: residential and commercial immovable properties	0														0		
5	Of which level of energy efficiency (EP score in kWh/m² of collateral) estimated	124 482	20 639	39 284	35 622	19 082	5 815	4 040								124 338		
6	Total non-EU area	7 341	27	1 272	381	17	1	28	78	186	254	197	28	6	22	6 570		
7	Of which Loans collateralised by commercial immovable property	6 446		1 251	358	1	0	26	74	185	253	193	26			5 717		
8	Of which Loans collateralised by residential immovable property	895	27	21	23	17	1	2	4	2	1	4	2	6	22	854		
9	Of which Collateral obtained by taking possession: residential and commercial immovable properties															0		
10	Of which level of energy efficiency (EP score in kWh/m² of collateral) estimated	1 111	17	1 066	14	14	1	0								2 018		

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, Credit Agricole S.A. 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. Credit Agricole S.A. 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	6 236,58	0,00		2,98	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, Credit Agricole S.A. 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, Credit Agricole S.A. 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 billion.

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

	a	b	c	d	e	f	g
Geographic area : France	Gross carrying amount						
	of which exposures sensitive to impact from climate change physical events						
	Breakdown by maturity bucket					Average weighted maturity	
	<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years			
1 A - Agriculture, forestry and fishing	1 238	109	52	17	37	9,2	
2 B - Mining and quarrying	723	41	5	0	0	3,1	
3 C - Manufacturing	13 108	736	131	14	20	3,4	
4 D - Electricity, gas, steam and air conditioning supply	7 074	356	33	57	8	4,9	
5 E - Water supply; sewerage, waste management and remediation activities	623	31	6	2	1	4,2	
6 F - Construction	4 356	380	65	13	11	3,7	
7 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	17 317	1 096	452	172	39	4,8	
8 H - Transportation and storage	4 385	182	73	16	9	5,0	
9 I - Real estate activities	14 493	392	269	834	63	11,1	
10 Loans collateralised by residential immovable property	94 092	28	92	322	303	16,9	
11 Loans collateralised by commercial immovable property	12 459	72	27	108	5	5,7	
12 Repossessed collaterals	-	-	-	-	-	-	
13 Other relevant sectors (breakdown below where relevant)	495 648	34 391	10 629	6 106	1 641	5,0	

	h	i	j	k	l	m	n	o
	Gross carrying amount							
	of which exposures sensitive to impact from climate change physical events							
	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	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions of which Stage 2 exposures	Of which non-performing exposures	
1	104	111	215	13	7	4	0	3
2	21	25	46	6	2	0	0	0
3	411	490	901	168	27	18	6	10
4	205	248	453	34	3	0	0	0
5	18	22	40	1	0	0	0	0
6	222	246	468	120	15	9	2	6
7	831	928	1 759	298	67	41	10	32
8	127	153	281	37	8	5	1	4
9	739	819	1 558	119	18	18	7	7
10	383	378	56	12	1	1	1	0
11	25	256	100	15	3	4	2	2
12	-	-	-	-	-	-	-	-
13	25 014	27 752	52 767	516	132	54	18	38

	a	b	c	d	e	f	g
Geographic area : European union excl. France	Gross carrying amount						
	of which exposures sensitive to impact from climate change physical events						
	Breakdown by maturity bucket						Average weighted maturity
<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years				
1 A- Agriculture, forestry and fishing		2 300	391	105	93	3	5,0
2 B- Mining and quarrying		971	115	3	0	0	2,3
3 C- Manufacturing		24 719	2 937	276	13	5	2,5
4 D- Electricity, gas, steam and air conditioning supply		5 832	724	109	53	1	4,5
5 E- Water supply; sewerage, waste management and remediation activities		439	39	12	13	0	5,6
6 F- Construction		1 863	273	44	23	5	3,9
7 G- Wholesale and retail trade; repair of motor vehicles and motorcycles		9 577	1 441	76	15	17	2,1
8 H- Transportation and storage		5 408	521	106	54	1	3,7
9 I- Real estate activities		2 643	337	102	55	4	4,7
10 Loans collateralised by residential immovable property		30 208	93	313	1 399	1 201	17,5
11 Loans collateralised by commercial immovable property		7 912	104	254	202	23	8,3
12 Repossessed collaterals							
13 Other relevant sectors (breakdown below where relevant)		41 588	4 611	931	203	221	3,7

	h	i	j	k	l	m	n	o
	Gross carrying amount							
	of which exposures sensitive to impact from climate change physical events							
	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	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions of which Stage 2 exposures	Of which non-performing exposures	
1	279	313	592	52	24	19	3	14
2	53	65	118	23	2	1	0	1
3	1 448	1 783	3 231	140	46	40	7	28
4	395	492	887	76	3	3	1	1
5	29	35	64	2	1	1	0	1
6	160	186	345	47	54	42	3	38
7	700	849	1 549	95	44	34	2	29
8	293	388	681	148	21	12	2	8
9	230	267	498	35	73	39	2	37
10	52	2 113	2 165	260	41	30	11	16
11	70	429	499	70	55	35	5	29
12								
13	2 696	3 270	5 966	365	107	92	20	61

a	b	c	d	e	f	g
Geographic area : excl. European union		Gross carrying amount				
		of which exposures sensitive to impact from climate change physical events				
		Breakdown by maturity bucket				
		<= 5 years	> 5 year <= 10 years	> 10 year <= 20 years	> 20 years	Average weighted maturity
1 A - Agriculture, forestry and fishing	752	236	-	-	37	4,7
2 B - Mining and quarrying	7 758	1 391	351	7	5	2,6
3 C - Manufacturing	19 392	3 738	280	34	65	2,1
4 D - Electricity, gas, steam and air conditioning supply	10 896	1 298	426	109	2	3,4
5 E - Water supply; sewerage, waste management and remediation activities	790	59	19	17	3	5,1
6 F - Construction	1 474	194	0	-	31	4,9
7 G - Wholesale and retail trade; repair of motor vehicles and motorcycles	8 815	1 698	40	12	25	1,3
8 H - Transportation and storage	14 100	1 459	488	79	23	4,1
9 I - Real estate activities	2 484	405	21	14	2	2,7
10 Loans collateralised by residential immovable property	946	8	33	100	26	14,2
11 Loans collateralised by commercial immovable property	4 667	693	31	14	2	2,0
12 Repossessed collaterals	-	-	-	-	-	0,0
13 Other relevant sectors (breakdown below where relevant)	33 987	5 044	280	57	178	0,0

h	i	j	k	l	m	n	o
Gross carrying amount							
of which exposures sensitive to impact from climate change physical events							
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	Of which Stage 2 exposures	Of which non-performing exposures	Accumulated impairment, accumulated negative changes in fair value due to credit risk and provisions	of which Stage 2 exposures	Of which non-performing exposures
1	313	159	272	60	53	62	17
2	657	1 097	1 754	129	46	29	12
3	1 572	2 545	4 118	277	112	71	26
4	716	1 119	1 835	159	73	13	1
5	40	58	97	20	0	0	0
6	100	125	225	26	5	3	0
7	746	1 029	1 774	153	72	54	9
8	845	1 204	2 049	513	108	32	8
9	200	241	441	13	0	1	1
10	75	97	172	11	2	1	0
11	335	407	742	105	6	2	1
12	-	-	-	-	-	-	-
13	2 364	3 195	5 559	290	199	171	7

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, Crédit Agricole S.A. estimated the percentage of its exposures subject to acute climatic hazards at 5.8% and its exposures subject to chronic climatic hazards at 4.7%.

In accordance with the model's requirements, Crédit Agricole S.A. 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).

Crédit Agricole S.A. 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 2033, 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	1 329	Y		Bonds identified as Green or Sustainable according to Euronext or Bloomberg Bonds referentials
2		Non-financial corporations	183	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	3 247	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	537	Y		Sustainability linked loans, renewable energies, sustainable transportation (electric or hydrogen vehicles, railway)
6		Non-financial corporations	26 714	Y		Sustainability linked loans, renewable energies, sustainable transportation (electric or hydrogen vehicles, railway)
7		Of which Loans collateralised by commercial immovable property	5 845	Y		Immovable properties compliant with current national building standards
8		Households	22 522	Y		Immovable properties with an EPC Label A, B or C
9		Of which Loans collateralised by residential immovable property	19 142	Y		Immovable properties compliant with current national building standards
10		Of which building renovation loans	936	Y		Immovable properties with an EPC Label A, B or C
11		Other counterparties	1 006	Y		Energy renovation work and Zero-interest sustainable loans

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.

Crédit Agricole S.A. has an internal reference framework that defines “sustainable” assets and so responds to Crédit Agricole S.A. 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, Crédit Agricole S.A. 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.). Crédit Agricole S.A. 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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Tél. 01 43 23 52 02

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.