Under the scope of derivative financial instruments operations (IRS and CIRS) with institutional counterparties, and as defined in the respective contracts ("Cash collateral"), the caption Other loans and advances to credit institutions includes the amounts detailed below:

***************************************	(Tho	ousands of euros)
	2017	2016
Other loans and advances to credit institutions in Portugal		
Other applications	1,010	2,840
Other loans and advances to credit institutions abroad		
Short-term applications	27,639	242,896
Other applications	269,284	275,180
	297,933	520,916

These deposits are held by the counterparties and are given as collateral of the referred operations (IRS and CIRS), whose revaluation is negative for the Bank.

This balance is analysed by the period to maturity, as follows:

		ousands of euros)
	2017	2016
Up to 3 months	287,211	995,667
3 to 6 months	744,567	13,567
6 to 12 months	16,918	4,869
1 to 5 years	6,872	42,099
Over 5 years	10,000	-
Undetermined	<u> </u>	499
	1,065,568	1,056,701

22. LOANS AND ADVANCES TO CUSTOMERS

This balance is analysed as follows:

Public sector Asset-backed loans Other guaranteed loans Unsecured loans Foreign loans Factoring operations Finance leases	2017 853,393 27,885,255 3,932,216	2016 1,041,191 29,011,503
Asset-backed loans Other guaranteed loans Unsecured loans Foreign loans Factoring operations	27,885,255	
Other guaranteed loans Unsecured loans Foreign loans Factoring operations		29,011,503
Unsecured loans Foreign loans Factoring operations	3.932.216	
Foreign loans Factoring operations	-,,	3,985,120
Factoring operations	7,779,063	6,821,163
<u> </u>	1,852,420	2,099,860
Finance leases	2,106,173	1,794,778
	3,525,058	3,373,561
	47,933,578	48,127,176
Overdue loans - less than 90 days	88,500	134,934
Overdue loans - Over 90 days	2,933,345	3,496,343
	50,955,423	51,758,453
mpairment for credit risk	(3,321,931)	(3,740,851)
	47,633,492	48,017,602

As at 31 December 2017, the balance Loans and advances to customers includes the amount of Euros 12,146,649,000 (31 December 2016: Euros 12,027,960,000) regarding credits related to mortgage loans issued by the Group.

As referred in note 52, the Group, as part of the liquidity risk management, holds a pool of eligible assets that can serve as collateral in funding operations with the European Central Bank and other Central Banks in countries where the Group operates, which include loans and advances to customers.

As at 31 December 2017 and as referred in note 57, the Group performed a set of sales of loans and advances to customers for Specialized Loan Funds in the amount of Euros 1,586,114,000 (31 December 2016: Euros: 1,586,114,000). During 2017, no credits have been sold to these funds.

As referred in note 50, the Group provides loans and/or guarantees to qualifying shareholders holding individually or together with their affiliates, 2% or more of the share capital, identified in the Board of Directors report and in note 40.

As at 31 December 2017, the Group granted credit to qualifying shareholders and entities controlled by them, in the amount of Euros 213,436,000 (31 December 2016: Euros 237,707,000), as referred in note 50 a). The amount of impairment recognised for these contracts amounts to Euros 77,000 (31 December 2016: Euros 130,000).

The business conducted between the company and qualifying shareholders or natural or legal persons related to them, pursuant to article 20 of the Securities Code, regardless of the amount, is always subject to appraisal and deliberation by the Board of Directors, through a proposal by the Credit Committee and the Executive Committee, supported by an analysis and technical opinion issued by the Internal Audit Division, and after a prior opinion has been obtained from the Audit Committee.

The analysis of loans and advances to customers, by type of credit, is as follows:

***************************************	(Th	ousands of euros)
	2017	2016
Loans not represented by securities		
Mortgage loans	23,307,977	23,952,257
Loans	13,766,728	13,689,736
Finance leases	3,525,058	3,373,561
Factoring operations	2,106,173	1,794,778
Current account credits	1,556,279	1,625,812
Overdrafts	1,456,141	1,339,874
Discounted bills	232,169	284,378
	45,950,525	46,060,396
Loans represented by securities		
Commercial paper	1,702,941	1,843,345
Bonds	280,112	223,435
	1,983,053	2,066,780
	47,933,578	48,127,176
Overdue loans - less than 90 days	88,500	134,934
Overdue loans - Over 90 days	2,933,345	3,496,343
	50,955,423	51,758,453
Impairment for credit risk	(3,321,931)	(3,740,851)
	47,633,492	48,017,602



The analysis of loans and advances to customers, by maturity and by sector of activity, as at 31 December 2017, is as follows:

				2017			
		Outstandi	ing loans				
	Due within	1 year to	Over	Total	Overdue		
	1 year	5 years	5 years	Outstanding	loans	Total	%
Agriculture and forestry	83,770	85,208	121,933	290,911	16,167	307,078	0.60%
Fisheries	7,647	14,990	7,707	30,344	237	30,581	0.06%
Mining	46,801	22,963	5,645	75,409	8,059	83,468	0.16%
Food, beverage							
and tobacco	406,227	217,506	78,238	701,971	17,287	719,258	1.41%
Textiles	263,418	97,526	85,797	446,741	24,668	471,409	0.93%
Wood and cork	106,540	83,890	41,619	232,049	11,704	243,753	0.48%
Paper, printing							
and publishing	137,597	42,439	46,919	226,955	5,915	232,870	0.46%
Chemicals	469,779	206,012	143,183	818,974	45,707	864,681	1.70%
Machinery, equipment							
and basic metallurgical	577,905	402,079	190,651	1,170,635	62,540	1,233,175	2.42%
Electricity and gas	52,500	51,571	428,318	532,389	150	532,539	1.05%
Water	43,071	107,570	114,534	265,175	4,410	269,585	0.53%
Construction	802,563	278,120	707,968	1,788,651	616,806	2,405,457	4.72%
Retail business	641,116	319,037	294,334	1,254,487	84,765	1,339,252	2.63%
Wholesale business	1,241,500	575,687	186,806	2,003,993	128,818	2,132,811	4.19%
Restaurants and hotels	94,566	173,810	738,235	1,006,611	75,955	1,082,566	2.12%
Transports	449,414	473,383	383,534	1,306,331	31,780	1,338,111	2.63%
Post offices	2,651	1,896	81	4,628	381	5,009	0.01%
Telecommunications	101,052	151,880	68,419	321,351	6,490	327,841	0.64%
Services							
Financial intermediation	461,156	423,951	1,048,733	1,933,840	298,984	2,232,824	4.38%
Real estate activities	322,251	334,323	645,482	1,302,056	357,905	1,659,961	3.26%
Consulting, scientific and							
technical activities	1,279,466	570,563	379,585	2,229,614	217,534	2,447,148	4.80%
Administrative and support		,	,	, ,	,		
services activities	243,651	201,178	85,256	530,085	29,603	559,688	1.10%
Public sector	95,623	447,957	447,731	991,311	312	991,623	1.95%
Education	38,157	25,431	69,813	133,401	2,642	136,043	0.27%
Health and collective	30,107	23, 13 1	03,0.0	,	2,0 12	.50,0.0	0,277
service activities	111,055	88,342	103,455	302,852	2,532	305,384	0.60%
Artistic, sports and	111,033	00,542	103,433	302,032	2,332	303,304	0.0070
recreational activities	41,021	38,808	238,174	318,003	6,030	324,033	0.64%
Other services	170,760	104,857	50,183	,		·	
	· · · · · · · · · · · · · · · · · · ·		·	325,800	261,021	586,821	1.15%
Consumer credit	1,111,151	1,508,862	793,285	3,413,298	381,412	3,794,710	7.45%
Mortgage credit	369,380	1,352,665	21,432,674	23,154,719	253,258	23,407,977	45.94%
Other domestic	•	40			F 606	- 444	0.0101
activities	2	13	-	15	5,096	5,111	0.01%
Other international	464.0==	0=0===	455.451	202		00115	4 = 400
activities	461,005 10,232,795	250,793 8,653,310	109,181 29,047,473	820,979	63,677	884,656	1.74%



The analysis of loans and advances to customers, by maturity and by sector of activity, as at 31 December 2016, is as follows:

						(Thou	sands of euros)
				2016			
	Due within	Outstand	ing loans Over	Total	Overdue		
	1 year	1 year to 5 years	5 years	Outstanding	loans	Total	%
Agriculture and forestry	108,926	83,579	108,386	300,891	39,686	340,577	0.66%
Fisheries	7,038	15,999	18,364	41,401	11,981	53,382	0.10%
Mining	62,562	24,753	8,052	95,367	6,875	102,242	0.20%
Food, beverage	. ,	,	-,	,	-,	- ,	
and tobacco	365,344	148,471	71,361	585,176	19,221	604,397	1.17%
Textiles	238,126	104,689	101,875	444,690	26,075	470,765	0.91%
Wood and cork	95,148	75,229	37,914	208,291	14,702	222,993	0.43%
Paper, printing							
and publishing	70,701	75,111	52,141	197,953	10,010	207,963	0.40%
Chemicals	363,117	205,728	113,358	682,203	66,517	748,720	1.45%
Machinery, equipment							
and basic metallurgical	468,225	345,115	184,444	997,784	63,945	1,061,729	2.05%
Electricity and gas	129,048	73,735	374,745	577,528	971	578,499	1.12%
Water	56,254	34,608	114,947	205,809	3,884	209,693	0.41%
Construction	937,900	282,397	812,991	2,033,288	826,013	2,859,301	5.52%
Retail business	623,863	291,102	237,644	1,152,609	120,173	1,272,782	2.46%
Wholesale business	1,022,257	526,029	215,238	1,763,524	153,696	1,917,220	3.70%
Restaurants and hotels	92,372	181,660	582,587	856,619	117,557	974,176	1.88%
Transports	419,444	517,356	482,739	1,419,539	72,317	1,491,856	2.88%
Post offices	2,965	2,853	51	5,869	471	6,340	0.01%
Telecommunications	94,241	112,614	65,741	272,596	106,998	379,594	0.73%
Services							
Financial intermediation	1,256,275	1,062,314	1,176,613	3,495,202	565,769	4,060,971	7.85%
Real estate activities	294,076	288,054	559,104	1,141,234	344,475	1,485,709	2.87%
Consulting, scientific and							
technical activities	448,582	189,895	213,138	851,615	42,432	894,047	1.73%
Administrative and support							
services activities	184,782	179,336	95,493	459,611	38,371	497,982	0.96%
Public sector	150,003	150,417	439,440	739,860	979	740,839	1.43%
Education	32,948	14,670	74,968	122,586	3,388	125,974	0.24%
Health and collective							
service activities	87,721	67,994	120,952	276,667	4,491	281,158	0.54%
Artistic, sports and							
recreational activities	75,893	24,643	265,225	365,761	15,811	381,572	0.74%
Other services	159,650	397,386	62,521	619,557	16,304	635,861	1.23%
Consumer credit	979,162	1,801,945	737,839	3,518,946	538,843	4,057,789	7.84%
Mortgage credit	368,626	1,336,889	22,004,342	23,709,857	308,450	24,018,307	46.40%
Other domestic							
activities	8	1	-	9	7,879	7,888	0.02%
Other international							
activities	509,282	276,093	199,759	985,134	82,993	1,068,127	2.06%
	9,704,539	8,890,665	29,531,972	48,127,176	3,631,277	51,758,453	100%

The analysis of loans and advances to customers, by type of credit and by maturity, as at 31 December 2017, is as follows:

(Thousands of					ousands of euros)	
			2017			
		Outstandin	g loans			
	Due within	1 year to	Over	Total	Overdue	
	1 year	1 year 5 years 5 years Outstanding				Total
Public sector	41,491	79,849	732,053	853,393	265	853,658
Asset-backed loans	1,790,993	3,011,766	23,082,496	27,885,255	1,502,718	29,387,973
Other guaranteed loans	1,571,652	1,371,367	989,197	3,932,216	335,606	4,267,822
Unsecured loans	4,343,298	1,852,701	1,583,064	7,779,063	888,057	8,667,120
Foreign loans	421,166	546,644	884,610	1,852,420	149,805	2,002,225
Factoring operations	1,548,343	512,249	45,581	2,106,173	23,892	2,130,065
Finance leases	515,852	1,278,734	1,730,472	3,525,058	121,502	3,646,560
	10,232,795	8,653,310	29,047,473	47,933,578	3,021,845	50,955,423

The analysis of loans and advances to customers, by type of credit and by maturity, as at 31 December 2016, is as follows:

						ousands of euros)
			2016			
		Outstandin	g loans			
	Due within	1 year to	Over	Total	Overdue	
	1 year	5 years	5 years	Outstanding	loans	Total
Public sector	124,754	366,857	549,580	1,041,191	27	1,041,218
Asset-backed loans	1,862,811	3,343,083	23,805,609	29,011,503	1,832,217	30,843,720
Other guaranteed loans	1,678,537	1,336,693	969,890	3,985,120	443,626	4,428,746
Unsecured loans	3,806,214	1,619,086	1,395,863	6,821,163	1,053,539	7,874,702
Foreign loans	504,058	595,976	999,826	2,099,860	128,959	2,228,819
Factoring operations	1,304,834	445,597	44,347	1,794,778	23,588	1,818,366
Finance leases	423,331	1,183,373	1,766,857	3,373,561	149,321	3,522,882
	9,704,539	8,890,665	29,531,972	48,127,176	3,631,277	51,758,453

The caption Loans and advances to customers includes the effect of traditional securitization transactions owned by Special Purpose Entities (SPEs) consolidated following the application of IFRS 10, in accordance with accounting policy 1 b) and synthetic securitization. The characterization of these operations is described in note 1 d) 6 ii).

TRADITIONAL SECURITIZATIONS

Securitization transactions engaged by the Group refer to mortgage loans and are set through specifically created SPE. As at 31 December 2017, the loans and advances referred to these traditional securitization transactions amounts to Euros 464,513,000 (31 December 2016: Euros 527,924,000) As referred in accounting policy 1 b), when the substance of the relationships with the SPEs indicates that the Group holds control of its activities, the SPE are consolidated by the full method.

Magellan Mortgages No. 2

On 20 October 2003, the Group transferred a pool of mortgage loans owned by Banco Comercial Português, S.A. and by Banco de Investimento Imobiliário, S.A. to the SPE "Magellan Mortgages No. 2 PLC". Considering that, by having acquired the total subordinated tranches, the Group holds the control of the referred assets, the SPE is consolidated in the Group's Financial Statements, as established in the accounting policy 1 b). As at 31 December 2017, the SPE's credit portfolio associated with this operation amounts to Euros 121,585,000, and the bonds issued with different subordination levels amount to Euros 107,780,000 (this amount excludes bonds already acquired by the Group in the amount of Euros 13,536,000 and Euros 14,000,000 of the most subordinated tranche fully acquired).

Magellan Mortgages No. 3

On 24 June 2005, the Group transferred a pool of mortgage loans owned by Banco Comercial Português, S.A. to the SPE "Magellan Mortgages No. 3 PLC". Considering that, by having acquired part of the subordinated tranche, the Group holds the control of the referred assets, the SPE is consolidated in the Group's Financial Statements, as established in the accounting policy 1 b). As at 31 December 2017, the SPE's credit portfolio associated with this operation amounts to Euros 342,928,000, and bonds issued with different subordination levels amount to Euros 230,231,000 (this amount excludes bonds already acquired by the Group in the amount of Euros 111,647,000) and the most subordinated tranche amounts to Euros 44,000 (this amount excludes bonds already acquired by the Group in the amount Euros 206,000).

SYNTHETIC SECURITIZATIONS

The Group has two operations in progress which form structures of synthetic securitization.

Caravela SME No. 3

Caravela SME No.3, which operation started on 28 June 2013, based on a medium and long term loans portfolio of current accounts and authorized overdrafts granted by BCP, mainly to small and medium companies. The maturity date is 25 March of 2036 and as at 31 December 2017, the synthetic securitization "Caravela SME No.3" amounts to Euros 2,269,231,000. The fair value of swaps is recorded in the amount of Euros 194,606,000 and the associated cost in 2017 amounts to Euros 17,708,000.

Caravela SME No. 4

Caravela SME No.4 is a similar operation, initiated on 5 June 2014, which portfolio contains car, real estate and equipment leasing granted between the Bank and a group of clients that belong to the same segment (small and medium companies). The maturity date is 21 September of 2043 and as at 31 December 2017, the synthetic securitization "Caravela SME No.4" amounts to Euros 1,144,979,000. The fair value of swaps is recorded at the amount of Euros 66,193,000 and their associated cost in 2017 amounts to Euros 1,491,000.

In both operations, the Bank hired a Credit Default Swap (CDS) with a Special Purpose Vehicle (SPV), buying by this way the protection for the total portfolio referred. Both cases, the synthetic securitizations, the same CDS, the risk of the respective portfolios were divided in 3 classes: senior, mezzanine and equity. The mezzanine and part of the equity (20%) were placed in the market through an SPV, and the subscription by investors, the Credit Linked Notes (CLNs). The Bank retained the senior risk and part of the equity remaining (80%). The product of the CLNs issue was invested by the SPV in a deposit which total collateral the responsibilities in the presence of the Bank, in accordance of the CDS.

These operations involve the Bank's reduced exposure to the risks associated with the credit granted, but it did not transfer to third parties the majority of the rights and obligations arising from the credits included in them, thus not meeting the criteria set out in paragraphs 16 and subsequent IAS 39 for derecognition.

The Group's credit portfolio, which includes further than loans and advances to customers, the guarantees granted and commitments to third parties, split between loans with or without signs of impairment is analysed as follows:

		(Thousands of euros)		
	2017	2016		
Total loans	55,497,146	56,594,498		
Loans and advances to customers with signs of impairment				
Individually significant				
Gross amount	5,234,558	6,535,910		
Impairment	(2,520,686)	(2,587,273)		
	2,713,872	3,948,637		
Collective analysis				
Gross amount	2,721,470	3,829,973		
Impairment	(806,351)	(1,164,037)		
	1,915,119	2,665,936		
Loans and advances to customers without signs of impairment	47,541,118	46,228,615		
Impairment (IBNR)	(125,769)	(117,597)		
	52,044,340	52,725,591		

The total loan portfolio presented in the table above includes loans and advances to customers in the amount of Euros 50,955,423,000 (31 December 2016: Euros: 51,758,453,000) and guarantees granted and commitments to third parties balance (note 45), in the amount of Euros 4,541,723,000 (31 December 2016: Euros 4,836,045,000).

The balances Impairment and Impairment ('IBNR') were determined in accordance with the accounting policy described in note 1 c), including the provision for guarantees and other commitments to third parties (note 37), in the amount of Euros 130,875,000 (31 December 2016: Euros 128,056,000).

The analysis of the exposure covered by collateral associated with loans and advances to customers' portfolio, considering its fair value, is as follows:

		ousands of euros)
	2017	2016
Loans and advances to customers with impairment		
Individually significant		
Securities and other financial assets	491,535	650,949
Residential real estate	372,675	498,915
Other real estate	1,196,156	1,385,860
Other guarantees	644,484	680,523
	2,704,850	3,216,247
Collective analysis		
Securities and other financial assets	21,456	23,271
Residential real estate	1,336,562	1,783,311
Other real estate	197,310	296,815
Other guarantees	76,546	107,704
	1,631,874	2,211,101
Loans and advances to customers without impairment		
Securities and other financial assets	2,029,452	2,178,216
Residential real estate	20,789,178	20,972,631
Other real estate	3,863,924	3,174,211
Other guarantees	3,824,188	3,725,116
	30,506,742	30,050,174
	34,843,466	35,477,522

The captions Other guarantees include debtors, assets subject to leasing transactions and personal guarantees, among others. Considering the policy of risk management of the Group (note 52), the amounts presented do not include the fair value of the personal guarantees provided by clients with lower risk rating. When considered, the fair value of the personal guarantees corresponds to the guaranteed amount.

The Group is applying physical collaterals and financial guarantees as instruments to mitigate the credit risk. The physical collaterals are mainly mortgages on residential buildings for the mortgage portfolio and other mortgages on other types of buildings related to other types of loans. In order to reflect the market value, these collaterals are regularly reviewed based on independent and certified valuation entities or through the application of revaluation coefficients that reflect the market trends for each specific type of building and geographical area. The financial guarantees are reviewed based on the market value of the respective assets, when available, with the subsequent application of haircuts that reflect the volatility of their prices. Considering the current real estate and financial markets conditions, the Group continued to negotiate additional physical and financial collaterals with its customers.

The balance Loans and advances to customers includes the following amounts related to finance leases contracts:

		ousands of euros)
	2017	2016
Amount of future minimum payments	3,956,596	3,810,114
Interest not yet due	(431,538)	(436,553)
Present value	3,525,058	3,373,561

The amount of future minimum payments of lease contracts, by maturity terms, is analysed as follows:

		ousands of euros)
	2017	2016
Up to 1 year	846,943	752,119
1 to 5 years	1,831,777	1,723,305
Over 5 years	1,277,876	1,334,690
	3,956,596	3,810,114

The analysis of financial lease contracts, by type of client, is presented as follows:

		usands of euros)
	2017	2016
Individuals		
Home	71,331	76,577
Consumer	31,269	25,712
Others	114,892	125,693
	217,492	227,982
Companies		
Equipment	1,673,106	1,499,569
Real estate	1,634,460	1,646,010
	3,307,566	3,145,579
	3,525,058	3,373,561

Regarding operational leasing, the Group does not present relevant contracts as leasor.

The loan to customers' portfolio includes contracts that resulted in a formal restructuring with the customers and the consequent establishment of a new funding to replace the previous. The restructuring may result in a reinforce of guarantees and / or liquidation of part of the credit and involve an extension of maturities or a different interest rate. The analysis of the non-performing restructured loans, by sector of activity, is as follows:

	(Tho	ousands of euros)
	2017	2016
Agriculture and forestry	8,464	23,330
Fisheries	2,019	12,996
Mining	13,338	140
Food, beverage and tobacco	1,020	1,326
Textiles	554	694
Wood and cork	2,977	2,832
Paper, printing and publishing	450	1,899
Chemicals	2,108	4,277
Machinery, equipment and basic metallurgical	17,755	16,156
Electricity and gas	431	270
Water	250	98
Construction	32,135	34,029
Retail business	95,818	8,529
Wholesale business	16,888	8,928
Restaurants and hotels	10,252	12,822
Transports	13,372	9,656
Post offices	30	28
Telecommunications	80,701	238
Services		
Financial intermediation	495	452
Real estate activities	5,969	6,760
Consulting, scientific and technical activities	8,110	1,866
Administrative and support services activities	7,436	721
Public sector	41,070	746
Education	390	540
Health and collective service activities	89	54
Artistic, sports and recreational activities	381	399
Other services	1,546	1,626
Consumer credit	125,646	113,151
Mortgage credit	107,182	102,303
Other international activities	10,434	11,524
	607,310	378,390

The restructured loans are subject to an impairment analysis resulting from the revaluation of expectation to meet new cash flows inherent to the new contract terms, discounted at the original effective interest rate and considering new collaterals.

Regarding the restructured loans, the impairment associated to these operations amounts to Euros 169,912,000 (31 December 2016: Euros 151,810,000).

The Group has implemented a process for marking operations restructured due to clients' financial difficulties. This marking is part of the credit analysis process, being in charge of the respective decision-making bodies, according to the corresponding competencies, established in the regulations in force.

The information on operations restructured due to financial difficulties is available in the Group's information systems, having a relevant role in the processes of credit analysis, in the marking of customers in default and in the process of determining impairment. In particular:

- there are several default triggers related to restructurings due to financial difficulties (restructuring with loss of value, recidivism of restructuring, unproductive credit, default on customers with restructured operations);
- in the process of individual impairment analysis, in addition to the existence of operations restructured due to financial difficulties, is a reason for customer selection, the loss inherent to the change in the conditions resulting from the restructuring is determined;
- with regard to collective analysis, and the existence of such operations leads to the integration of the client into a subpopulation with an aggravated impairment rate.

The demarcation of an operation can only take place at least 2 years after the date of marking, provided that a set of conditions exist that allow to conclude by the improvement of the financial condition of the client.

As mentioned in note 52, as at 31 December 2017, the total restructured loans amount to Euros 4,382,262,000 (31 December 2016: Euros 5,059,571,000).

The definition of Non Performing Loans for more than 90 days (NPL> 90) incorporates total credit (past due + outstanding) associated with past due operations for more than 90 days. As at 31 December 2017, the amount calculated is Euros 4,526,765,000 (31 December 2016: Euros 5,384,717,000).

The definition of Non-Performing Exposure (NPE) is as follows:

- a) Total exposure of defaulted customers;
- b) Total exposure of customers with signs of impairment;
- c) Total exposure of customers whose overdue operations for more than 90 days represents more than 20% of their total on-balance sheet exposure:
- d) Total exposure of non-retail customers with at least one overdue operation for more than 90 days;
- e) Retail operations overdue for more than 90 days;
- f) Operations restructured due to financial difficulties overdue for more than 30 days.

As at 31 December 2017, the NPE amounts to Euros 7,742,399,000 (31 December 2016: Euros 9,814,723,000), of which Euros 7,658,392,000 are associated to loans not represented by securities (31 December 2016: Euros 9,374,848,000) and Euros 84,007,000 associated to loans represented by securities (31 December 2016: Euros 439,875,000).

The changes occurred in impairment for credit risks are analysed as follows:

	(Th	(Thousands of euros)	
	2017	2016	
Balance on 1 January	3,740,851	3,468,084	
Transfers resulting from changes in the Group's structure	-	(40,109)	
Other transfers	(33,187)	4,642	
Impairment charge for the year	939,919	1,381,442	
Reversals for the year	(299,245)	(230,658)	
Loans charged-off	(1,040,845)	(806,403)	
Exchange rate differences	14,438	(36,147)	
Balance on 31 December	3,321,931	3,740,851	

If the impairment loss decreases in a subsequent period to its initial accounting and this decrease can be objectively associated to an event that occurred after the recognition of the loss, the reduction of the impairment is reversed through profit and loss.

The analysis of impairment, by sector of activity, is as follows:

(Thous		ousands of euros)
	2017	2016
Agriculture and forestry	33,190	38,705
Fisheries	1,003	18,921
Mining	10,933	5,048
Food, beverage and tobacco	15,108	14,806
Textiles	24,333	26,595
Wood and cork	22,020	16,957
Paper, printing and publishing	12,030	14,694
Chemicals	40,858	55,849
Machinery, equipment and basic metallurgical	55,255	47,664
Electricity and gas	1,700	3,198
Water	13,210	9,937
Construction	547,885	614,394
Retail business	73,246	92,880
Wholesale business	116,930	127,132
Restaurants and hotels	110,254	113,459
Transports	37,393	119,507
Post offices	671	500
Telecommunications	16,351	19,591
Services		
Financial intermediation	484,650	1,052,162
Real estate activities	227,813	208,729
Consulting, scientific and technical activities	500,051	60,709
Administrative and support services activities	66,760	33,880
Public sector	2,731	3,584
Education	6,342	7,438
Health and collective service activities	3,979	4,617
Artistic, sports and recreational activities	78,627	89,892
Other services	163,246	50,564
Consumer credit	373,513	473,800
Mortgage credit	240,546	316,087
Other domestic activities	76	555
Other international activities	41,227	98,997
	3,321,931	3,740,851

The impairment for credit risk, by type of credit, is analysed as follows:

	(Thousands of euros)	
	2017	2016
Public sector	2,678	3,307
Asset-backed loans	2,013,212	2,296,551
Other guaranteed loans	434,783	460,856
Unsecured loans	579,690	652,206
Foreign loans	117,851	140,922
Factoring operations	32,162	30,789
Finance leases	141,555	156,220
	3,321,931	3,740,851

The analysis of loans charged-off, by sector of activity, is as follows:

	(Tho	usands of euros)
	2017	2016
Agriculture and forestry	1,843	13,234
Fisheries	22,020	47
Mining	773	4,200
Food, beverage and tobacco	4,107	2,353
Textiles	8,200	8,385
Wood and cork	3,213	15,697
Paper, printing and publishing	4,563	2,619
Chemicals	9,099	28,023
Machinery, equipment and basic metallurgical	13,492	23,984
Electricity and gas	103	43
Water	397	229
Construction	100,260	184,253
Retail business	38,479	51,680
Wholesale business	41,691	57,244
Restaurants and hotels	14,239	17,481
Transports	94,008	5,683
Post offices	181	46
Telecommunications	3,967	9,575
Services		
Financial intermediation	284,185	104,895
Real estate activities	54,842	43,905
Consulting, scientific and technical activities	18,541	24,954
Administrative and support services activities	9,442	4,159
Public sector	-	2
Education	825	119
Health and collective service activities	830	660
Artistic, sports and recreational activities	5,867	1,123
Other services	4,037	4,843
Consumer credit	264,426	171,378
Mortgage credit	18,725	18,623
Other domestic activities	14,740	671
Other international activities	3,750	6,295
	1,040,845	806,403

In compliance with the accounting policy described in note 1 c), loans and advances to customers are charged-off when there are no feasible expectations, of recovering the loan amount and for collateralised loans, the charge-off occurs when the funds arising from the execution of the respective collaterals are effectively received. This charge-off is carried out by the utilization of impairment losses when they refer to 100% of the loans that are considered unrecoverable.

The analysis of loans charged-off, by type of credit, is as follows:

	(Thousands of euros)	
	2017	2016
Asset-backed loans	7,076	46,878
Other guaranteed loans	13,845	9,115
Unsecured loans	985,712	729,412
Foreign loans	-	29
Factoring operations	1,841	6,149
Finance leases	32,371	14,820
	1,040,845	806,403

The analysis of recovered loans and interest, occurred during 2017 and 2016, by sector of activity, is as follows:

	(Thou	sands of euros)
	2017	2016
Agriculture and forestry	65	58
Fisheries	42	3
Mining	125	184
Food, beverage and tobacco	203	460
Textiles	305	824
Wood and cork	247	333
Paper, printing and publishing	569	55
Chemicals	448	244
Machinery, equipment and basic metallurgical	263	416
Electricity and gas	-	13
Water	1	10
Construction	4,155	20,301
Retail business	1,108	822
Wholesale business	2,206	2,107
Restaurants and hotels	144	117
Transports	1,004	135
Post offices	-	2
Telecommunications	1	12
Services		
Financial intermediation	165	60
Real estate activities	1,106	670
Consulting, scientific and technical activities	82	213
Administrative and support services activities	295	131
Education	-	11
Health and collective service activities	10	-
Artistic, sports and recreational activities	8	2,173
Other services	8	122
Consumer credit	3,515	3,970
Mortgage credit	30	21
Other domestic activities	285	149
Other international activities	576	250
	16,966	33,866

The analysis of recovered loans and interest, occurred during 2017 and 2016, by type of credit, is as follows:

***************************************		usands of euros)
	2017	2016
Asset-backed loans	16	-
Other guaranteed loans	2,040	389
Unsecured loans	14,221	32,522
Foreign loans	120	594
Factoring operations	74	8
Finance leases	495	353
	16,966	33,866

23. FINANCIAL ASSETS HELD FOR TRADING, OTHER FINANCIAL ASSETS HELD FOR TRADING AT FAIR VALUE THROUGH PROFIT OR LOSS AND FINANCIAL ASSETS AVAILABLE FOR SALE

The balance Financial assets held for trading, Other financial assets held for trading at fair value through profit or loss and Financial assets available for sale is analysed as follows:

		(Thousands of euros)	
	2017	2016	
Bonds and other fixed income securities			
Issued by public entities	7,720,019	7,612,491	
Issued by other entities	2,913,550	2,099,070	
	10,633,569	9,711,561	
Overdue securities	3,722	18,022	
Impairment for overdue securities	(3,722)	(13,079)	
	10,633,569	9,716,504	
Shares and other variable income securities	1,137,064	1,226,456	
	11,770,633	10,942,960	
Trading derivatives	741,284	848,774	
	12,511,917	11,791,734	

The caption Bonds and other fixed income securities - issue by public entities includes the amount of Euros 422,257,000 referring to Mozambican sovereign debt (31 December 2016: Euros 126,395,000), according to note 56.

The balance Trading derivatives includes the valuation of the embedded derivatives separated in accordance with the accounting policy 1 d) in the amount of Euros 2,000 (31 December 2016: Euros 195,000).