

Annex 1: principal monitoring indicators for the Spanish banking system

Table 1

									G	rowth ra	te
										08 -	
Assets	2010	2011	2012	2013	2014	2015	2016	Date	00-'08	latest	y-on-
Total lending	2,153	2,106	1,951	1,716	1,651	1,603	1,539	Oct-16	217%	-29.3%	-4.3%
Public corporations	79	90	114	87	101	90	92	Oct-16	69%	73.5%	-2.8%
Domestic resident sector	1,844	1,783	1,605	1,448	1,380	1,327	1,270	Oct-16	234%	-32.1%	-4.8%
Non residents	230	234	232	180	169	186	177	Oct-16	164%	-30.2%	-1.4%
Fixed income securities and equity stakes	564	656	766	773	754	662	629	Oct-16	132%	26.4%	-8.6%
Fixed income securities	384	406	509	493	492	415	382	Oct-16	135%	17.1%	-13.6%
Of which: sovereign debt	165	198	247	264	288	251	238	Oct-16	6%	138%	-7.8%
Equity	180	251	258	280	262	246	247	Oct-16	128%	43.8%	0.4%
Interbank lending	234	251	279	211	155	164	156	Oct-16	81%	-40.7%	-2.3%
Other assets (net of interbank lending/deposits)	301	387	426	326	354	331	339	Oct-16	230%	18.3%	-1.19
Total assets	3,252	3,400	3,423	3,026	2,913	2,760	2,663	Oct-16	184%	-17.4%	-4.9%
Liabilities and Shareholders' Equity	,										
Customer deposits	2,031	1,934	1,725	1,684	1,686	1,637	1,576	Oct-16	169%	-21.7%	-5.0%
Public corporations	79	70	69	63	76	77	62	Oct-16	263%	-19.0%	-29.8%
Domestic resident sector	1,440	1,373	1,317	1,314	1,289	1,261	1,233	Oct-16	192%	-14.0%	-1.6%
Non residents	511	492	339	306	320	299	281	Oct-16	113%	-44.3%	-11.2%
Interbank deposits	270	373	573	381	312	303	293	Oct-16	95%	-6.9%	-5.0%
Pro memoria: net interbank position	36	122	294	171	157	139	137	Oct-16	215%	164%	-7.9%
Debt issued	433	435	394	297	249	225	200	Oct-16	625%	-49.3%	-9.0%
Other liabilities	340	439	535	430	436	368	365	Oct-16	253%	14.3%	-5.19
Shareholders' equity	178	220	195	233	230	227	229	Oct-16	134%	26.9%	0.5%
Pro memoria: ECB funding	70	132	357	207	142	133	136	Nov-16	566%	47%	0.1%

Source: Bank of Spain statistics bulletin

122% -40.0%

15.9%

Table 2

Abridged income statement for the banking system. Cumulative annual results (EUR mn and % var.) **Growth rate** 08-80'-00 latest y-on-y 2010 2011 2012 2013 2014 2015 2016 **Date** Net interest revenue 34,292 29,565 32,739 26,816 27,118 26,411 18,187 92% -31.0% Sep-16 -9.3% Net fees and commissions 11,870 11,750 11,275 10,931 11,257 11,237 8,198 Sep-16 79% -16.1% -2.8% Trading gains and other revenue 17,151 15,811 15,493 17,797 17,043 13,884 10,265 Sep-16 276% -24.8% -7.2% Total revenue 63,313 57,126 59,507 55,544 55,418 51,532 36,650 Sep-16 118% -26.4% -7.3% Operating expenses -29.431 -28.464 -26.951 -26.798 -26.116 -26.261 -19.670 Sep-16 54% -11.1% 0.7% Personnel expenses -17,643 -16,889 -15,587 -15,108 -14,329 -14,182 -10,430 Sep-16 54% -22.3% -1.8% Other operating expenses -11,789 -11,574 -11,364 -11,690 -11,787 -12,079 -9,240 Sep-16 54% 6.1% 3.6% Pre-provision profit 33,882 28,662 32,556 28,746 29,302 25,271 16,980 Sep-16 226% -38.6% -15.1% Loan-loss provisions -16,719 -22,668 -82,547 -21,800 -14,500 -10,698 -5,259 620% -54.0% Sep-16 -34.9% Other income, net -7,326 -23,430 -37,142 -2,789-1,739-3,819 -2,546 Sep-16 -299% 173.6% -4.8% Profit before taxes 13,063 10,754 108% -40.0% 9,837 -17,436 -87,133 4,156 9,175 Sep-16 -0.8%

8,790

11,343

9,312

8,288 Sep-16

9,673 -14,717 -73,706

Source: Bank of Spain statistics bulletin

Net attributable income

Table 3

									Gr	owth ra	te
										08-	
	2010	2011	2012	2013	2014	2015	2016	Date	00-'08	latest	y-on-y
Lending to the private sector / GDP	171%	166%	152%	139%	133%	123%	116%	Oct-16	94%	-30.8%	-9.4%
Private sector deposits / GDP	114%	111%	111%	113%	111%	107%	105%	Oct-16	69%	-0.9%	-4.8%
Number of employees	263,715	248,093	236,504	217,878	208,291	202,959	n.d.	Dec-15	14%	-27.1%	-2.6%
Number of branches	43,267	40,202	38,237	33,786	32,073	31,155	29,645	Sep-16	17%	-35.8%	-5.7%

Source: Bank of Spain statistics bulletin



Table 4

Breakdown of ORS loans, NPLs a	nd NPL	ratio	by port	folio. (EUR b	n, % aı	nd % v	ar.)			
									G	rowth ra	te
										- 80	
Lending volume	2010	2011	2012	2013	2014	2015	2016	Date	00-'08	latest	
Loans to households	813	793	756	715	690	663	655	Sep-16	236%	-20.1%	-1.8
Of which:						=0.4	=0.4		0700/	10.00/	
Housing loans	632	627	605	581	558	531		Sep-16	270%	-16.8%	-2.89
Other loans to households	180	167	151	134	132	132		Sep-16	159%	-30.6%	2.3
Lending to corporates and SMEs	1,013	971	830	719	674	644	604	Sep-16	237%	-40.6%	-7.7
Of which:											
Lending to real estate	430	397	300	237	200	179	164	Sep-16	517%	-65.0%	-9.3
Other lending to corporates and SMEs	583	574	530	482	474	465	440	Sep-16	142%	-19.6%	-7.19
Total lending to domestic private sector *	1,844	1,783	1,605	1,448	1,380	1,327	1,270	Oct-16	234%	-32.1%	-4.8
Sector											
NPLs											
Loans to households	26.0	28.7	37.0	49.4	46.8	37.0	34.7	Sep-16	1062%	42.6%	-11.3
Of which:											
Housing loans	15.2	18.2	24.0	34.6	32.6	25.5	24.0	Sep-16	1878%	62.0%	-11.09
Other loans to households	10.8	10.5	13.0	14.8	14.1	11.4	10.7	Sep-16	607%	12.3%	-11.9
Lending to corporates and SMEs	79.7	109.9	128.4	146.1	124.6	94.2	81.7	Sep-16	818%	119%	-19.2
Of w hich:											
Lending to real estate	58.0	81.9	84.8	87.8	70.7	50.4	43.5	Sep-16	2790%	62%	-20.7
Other lending to corporates and SMEs	21.7	28.0	43.6	58.2	53.9	43.7	38.2	Sep-16	232%	267%	-17.4
Total lending to domestic private sector *	107.2	139.8	167.5	197.2	172.6	134.3	117.8	Oct-16	808%	87%	-16.3
NPL ratio											
Loans to households	3.2%	3.6%	4.9%	6.9%	6.8%	5.6%	5.3%	Sep-16	246%	78.4%	-9.6
Of which:											
Housing loans	2.4%	2.9%	4.0%	6.0%	5.9%	4.8%	4.6%	Sep-16	434%	94.8%	-8.4
Other loans to households	6.0%	6.3%	8.6%	11.1%	10.7%	8.7%	8.0%	Sep-16	173%	61.8%	-13.9
Lending to corporates and SMEs	7.9%	11.3%	15.5%	20.3%	18.5%	14.6%	13.5%	Sep-16	173%	269%	-12.4
Of which:											
Lending to real estate	13.5%	20.6%	28.2%	37.1%	35.3%	28.2%	26.5%	Sep-16	369%	363%	-12.5
Other lending to corporates and SMEs	3.7%	4.9%	8.2%	12.1%	11.4%	9.4%	8.7%	Sep-16	37%	356%	-11.0
Total lending to domestic private sector *	5.8%	7.8%	10.4%	13.6%	12.5%	10.1%	9.3%	Oct-16	172%	175%	-12.0

(*)Total ORS loans include household loans, total loans for productive activities, non-profit agencies serving households (ISFLSH in Spanish) and unclassified lending. Since January 2014 this includes loans to Financial Credit Institutions.

Source: Bank of Spain statistics bulletin

Table 5

									Growth rate				
Lending volume	2010	2011	2012	2013	2014	2015	2016	Date	03-'08	08-'15	y-on-y		
Loans to households	123.4	74.3	63.3	51.2	60.5	75.7	66.2	Oct-16	0.7%	-59.3%	7.8%		
Of which:													
Housing loans	69.5	37.5	32.3	21.9	26.8	35.7	31.1	Oct-16	-15.6%	-59.0%	7.8%		
Other loans to households	53.9	36.8	31.0	29.4	33.7	40.0	35.1	Oct-16	21.3%	-59.5%	7.9%		
Lending to corporates and SMEs	665.0	527.5	484.8	392.6	357.2	392.6	265.6	Oct-16	29.2%	-57.7%	-18.0%		
Of which:													
Less than €250,000	164.3	136.4	114.4	106.1	112.3	128.7	109.9	Oct-16	n.d.	-21.7%	4.2%		
Betw een €250,000 and €1million)	46.0	37.7	31.6	28.3	34.0	36.8	29.6	Oct-16	n.d.	-20.1%	-1.9%		
Corporates (loans > €1mill.)	454.7	353.4	338.9	258.2	210.3	227.2	125.0	Oct-16	43.5%	-60.3%	-33.5%		
Total new lending flows	788.4	601.8	548.1	443.9	417.7	468.3	331.8	Oct-16	23.3%	-58.0%	-13.8%		

Source: Bank of Spain

Table 6

Breakdown of resident deposits	s (EUR br	n and %	% var.)								
									G	rowth ra	ite
										08 -	
	2010	2011	2012	2013	2014	2015	2016	Date	00-'08	latest	y-on-y
Sight deposits	262	270	265	282	329	384	439	Oct-16	100%	79%	18.0%
Savings deposits	211	203	199	206	222	254	274	Oct-16	73%	52.5%	11.8%
Term deposits	744	698	684	668	588	499	417	Oct-16	270%	-42.8%	-18.8%
Foreign currency deposits	19	18	20	21	22	21	21	Oct-16	527%	-28.7%	3.1%
Total deposits of domestic resident sector *	1,236	1,188	1,168	1,177	1,160	1,159	1,151	Oct-16	163%	-2.7%	0.0%

(*)Total ORS deposits do not match up with the data in Table 1 because the latter includes Asset transfer liabilities, Subordinated deposits, Repos and Hybrid instruments.

Source: Bank of Spain statistics bulletin



Table 7

Interest rates on loans (rates in %	6 and va	ariation	in bp	s)							
									Grow	th rate	(bps)
										- 80	
	2010	2011	2012	2013	2014	2015	2016	Date	03-'08	latest	y-on-y
Loans. Stock (NDER)											
Loans to households											
Housing loans	2.74	3.12	2.61	2.11	1.89	1.53	1.32	Oct-16	178	-433	-25
Other loans to households	5.36	5.73	5.78	5.80	6.10	5.98	6.13	Oct-16	113	-94	14
Loans to corporates and SMEs	3.31	3.90	3.47	3.44	2.84	2.38	2.10	Oct-16	204	-345	-37
Loans. New lending transactions (A	APRC)										
Loans to households											
Housing loans	2.66	3.66	2.93	3.16	2.64	2.31	2.31	Oct-16	238	-353	-19
Consumer loans	7.47	9.11	8.32	9.52	8.98	8.43	8.57	Oct-16	237	-242	-48
Other	5.64	6.29	6.23	5.92	4.91	4.28	4.59	Oct-16	224	-244	-39
Loans to corporates and SMEs (synthetic average)	3.24	4.03	3.66	3.57	2.73	2.58	2.61	Oct-16	112	-226	-16
Less than €250,000	4.55	5.57	5.67	5.54	4.56	3.61	3.59	Oct-16	n.a.	-96	-44
Betw een €250,000 and €1million)	3.89	4.79	4.27	4.03	2.91	2.20	1.96	Oct-16	n.a.	-193	-44
Corporates (loans > €1mill.)	2.71	3.53	3.00	2.83	2.10	2.07	1.63	Oct-16	n.a.	-108	-24

APR: Annual Percentage Rate; NDER: Narrowly Defined Effective Rate (APR excluding commissions) Source: Bank of Spain statistic bulletin

Table 8

									Grow	th rate ((bps)
										- 80	
	2010	2011	2012	2013	2014	2015	2016	Date	03-'08	latest	y-on-
Deposits. Stock (NDER)											
Households deposits											
Sight deposits	0.27	0.28	0.21	0.22	0.17	0.12	0.07	Oct-16	6.5	-62	-7
Term deposits	2.54	2.76	2.72	2.08	1.39	0.75	0.37	Oct-16	232	-404	-48
Corporates and SMEs deposits											
Sight deposits	0.68	0.61	0.37	0.35	0.31	0.24	0.15	Oct-16	111	-162	-4
Term deposits	2.56	2.68	2.64	1.93	1.40	0.91	0.66	Oct-16	223	-372	-30
Deposits. New transactions (NDER)										
Households deposits											
Sight deposits	0.27	0.28	0.21	0.22	0.17	0.12	0.07	Oct-16	30	-62	-7
Term deposits	2.74	2.79	2.83	1.50	0.66	0.39	0.13	Oct-16	225	-405	-29
Corporates and SMEs deposits											
Sight deposits	0.68	0.61	0.37	0.35	0.31	0.24	0.15	Oct-16	111	-162	-4
Term deposits	1.98	2.13	2.08	1.31	0.51	0.31	0.14	Oct-16	146	-333	-17

NDER: Narrowly Defined Effective Rate (APR excluding commissions) Source: Bank of Spain statistics bulletin

Table 9

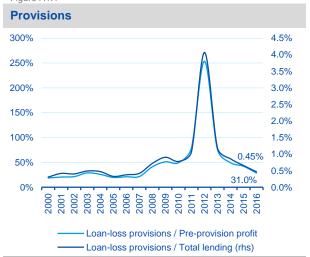
Key ratios									G:	owth ra	to
									GI	0wtii ra 08-	le
	2010	2011	2012	2013	2014	2015	2016	Date	00-'08		y-on-y
Productivity											
Business volume* per branch (€'000)	71,187	73,894	72,524	77,713	79,197	79,794	81,683	Sep-16	170%	23.5%	3.2%
Profit before tax per branch (€'000)	227.3	-433.7	-2,278.8	123.0	407.3	345.2	412.7	Sep-16	77.5%	-6.6%	5.2%
Efficiency											
Cost-to-Income ratio (Oper. expenses / Total revenue)	46.5%	49.8%	45.3%	48.2%	47.1%	51.0%	53.7%	Sep-16	-29.3%	20.7%	8.6%
Operating expenses / ATA	0.91%	0.86%	0.79%	0.83%	0.88%	0.93%	0.97%	Sep-16	-43.4%	1.1%	8.1%
Profitability											
RoE	5.2%	-7.4%	-35.5%	4.1%	4.9%	4.1%	4.8%	Sep-16	-3.4%	-53.3%	16.4%
RoA	0.30%	-0.52%	-2.55%	0.13%	0.44%	0.38%	0.45%	Sep-16	-23.6%	-31.7%	6.5%
NIM (Net interest rev. / ATA)	1.06%	0.89%	0.96%	0.83%	0.91%	0.93%	0.89%	Sep-16	-29.6%	-21.5%	-2.5%
Liquidity											
Loans-to-Deposits (resident sector)	149%	150%	137%	123%	119%	115%	110%	Oct-16	14.8%	-30.2%	-4.8%
Funding gap (Loans - Deposits, EUR bn)	607.9	594.4	436.8	270.9	220.1	168.3	119.4	Oct-16	349%	-82.6%	-35.0%
Funding gap / Total assets	18.7%	17.5%	12.8%	9.0%	7.6%	6.1%	4.5%	Oct-16	57.7%	-78.9%	-31.7%
Solvency and Asset Quality											
Leverage (Shareholders' equity / Total assets)	5.5%	6.5%	5.7%	7.7%	7.9%	8.2%	8.6%	Oct-16	-17.8%	53.6%	5.6%
Shareholders' equity / NPLs	166%	158%	117%	118%	133%	169%	195%	Oct-16	-74.3%	-32.1%	20.0%
Provisioning effort (Loan-loss prov. / Pre-provision profit)	49.3%	79.1%	253.6%	75.8%	49.5%	42.3%	31.0%	Sep-16	121%	-25.1%	-23.3%
Cost of Risk (Loan-loss provisions / total lending)	0.78%	1.06%	4.07%	1.19%	0.86%	0.66%	0.45%	Sep-16	134%	-38.0%	-30.3%
NPL ratio (resident sector)	5.8%	7.8%	10.4%	13.6%	12.5%	10.1%	9.3%	Oct-16	172%	175%	-12.0%
NPL coverage ratio (total)	66.9%	59.6%	73.8%	58.0%	58.1%	58.9%	60.7%	Oct-16	-58.2%	-14.3%	0.6%
NPL coverage ratio (specific provisions)	39.6%	37.1%	44.7%	46.9%	46.7%	47.0%	46.1%	Sep-16	-39.0%	54.1%	-3.8%

(*) ORS loans plus ORS deposits Source: Bank of Spain statistics bulletin



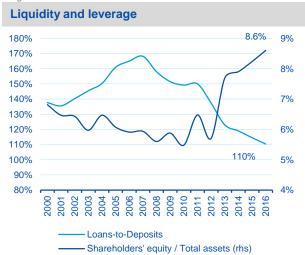
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Figure A1.1



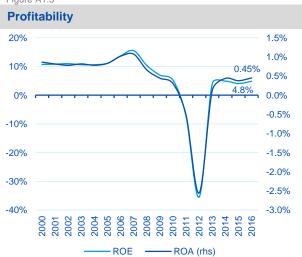
Source: BBVA Research

Figure A1.3



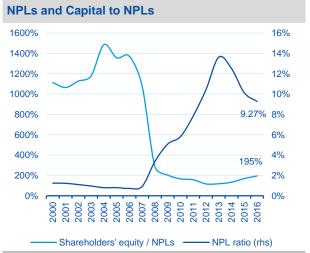
Source: BBVA Research

Figure A1.5



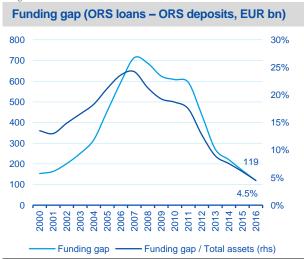
Source: BBVA Research

Figure A1.2



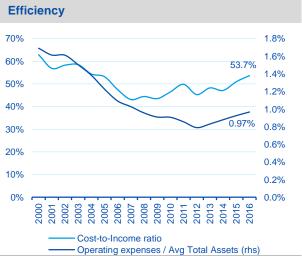
Source: BBVA Research

Figure A1.4



Source: BBVA Research

Figure A1.6



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Banking Outlook December 2016

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