

# 50 Financial System Indicators

Updated: May 15<sup>th</sup>, 2018

Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-0.6	February 2018
Other resident sectors' deposits in credit institutions (monthly average % var.)	0.2	February 2018
Doubtful loans (monthly % var.)	-2.0	February 2018
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	760,140	March 2018
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	169,678	March 2018
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	2	March 2018
"Operating expenses/gross operating income" ratio (%)	54.03	December 2017
"Customer deposits/employees" ratio (thousand euros)	6,532.25	December 2017
"Customer deposits/branches" ratio (thousand euros)	47,309.12	December 2017
"Branches/institutions" ratio	122.22	December 2017

## A. Money and Interest Rates

Indicator	Source	Average 2001-2015	2016	2017	2018 April 15	2018 May 15	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.1	5.0	4.7	-	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	2.0	-0.26	-0.329	-0.328	-0.326	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.3	-0.03	-0.186	-0.189	-0.190	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	4.2	1.4	1.5	1.3	1.4	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	4.0	2.3	1.4	-	-	End-of-month straight bonds average interest rate (> 2 years) in the AIAF market

*Comment on "Money and Interest Rates": Interbank rates followed an unequal path in the first fortnight of May. The 3-month interbank rate went up to -0.326% and the 1-year Euribor rate fell to -0.190%. The ECB has announced expansionary monetary policy should continue, and has alerted the European economy is showing some signs of deceleration. As for the Spanish 10-year bond yield, it has increased to 1.4%.*

## B. Financial Markets

Indicator	Source	Average 2001-2015	2016	2017	2018 February	2018 March	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	44.4	102.6	54.60	52.00	41.36	(Traded amount/outstanding balance) x100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	76.1	55.1	27.60	37.63	37.91	(Traded amount/outstanding balance) x100 in the market (not exclusively between account holders)
8. Outright forward treasury bills transactions trade ratio	Bank of Spain	1.2	0.4	3.46	2.31	3.62	(Traded amount/outstanding balance) x100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	4.4	1.9	4.76	2.65	5.43	(Traded amount/outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	1.7	0.0	-0.7	-0.5	-0.6	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec 1987=100)	Bank of Spain	726.2	1,104.9	1,127.71	1,130.84	1,166.88	Outright transactions in the market (not exclusively between account holders)
12. Madrid Stock Exchange Capitalization (monthly average % chg.)	Bank of Spain and Madrid Stock Exchange	0.4	0.2	-1.3	-4.7	-1.7	Change in the total number of resident companies
13. Stock market trading volume. Stock trading volume (monthly average % var.)	Bank of Spain and Madrid Stock Exchange	3.9	0.7	2.2	6.3	6.5	Stock market trading volume. Stock trading volume: change in total trading volume
14. Madrid Stock Exchange general index (Dec 1985=100)	Bank of Spain and Madrid Stock Exchange	1,018.0	943.6	1,055.4	982.6	1,033.5 (a)	Base 1985=100
15. Ibex-35 (Dec 1989=3000)	Bank of Spain and Madrid Stock Exchange	9,880.1	8,790.9	10,451.5	9,684.2	10,207.6 (a)	Base dec1989=3000
16. Madrid Stock Exchange PER ratio (share value/profitability)	Bank of Spain and Madrid Stock Exchange	16.2	23.6	15.8	14.2	14.6(a)	Madrid Stock Exchange Ratio "share value/ capital profitability"
17. Long-term bonds. Stock trading volume (% chg.)	Bank of Spain and Madrid Stock Exchange	5.3	55.9	-	-	-	Variation for all stocks

## B. Financial Markets (continued)

Indicator	Source	Average 2001-2015	2016	2017	2018 February	2018 March	Definition and calculation
18. Commercial paper. Trading balance (% chg.)	Bank of Spain and AIAF	1.6	0.1	-	-	-	AIAF fixed-income market
19. Commercial paper. Three-month interest rate	Bank of Spain and AIAF	2.2	0.0	-	-	-	AIAF fixed-income market
20. IBEX-35 financial futures concluded transactions (% chg.)	Bank of Spain	1.4	-0.4	0.6	0.6	18.9	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	10.6	5.8	5.8	-26.8	-24.4	IBEX-35 shares concluded transactions

(a) Last data published: May 15<sup>th</sup>, 2018.

Comment on "Financial Markets": During the last month, there was a decrease in transactions with outright spot T-bills to 41.36% and an increase of spot government bonds transactions to 37.91%. The stock market has registered an increase in the first fortnight of May with the IBEX-35 up to 10,208 points, and the General Index of the Madrid Stock Exchange to 1,034. There was an increase in Ibex-35 financial futures of 18.9% and a fall in options of 24.4%.

## C. Financial Saving and Debt

Indicator	Source	Average 2008-2013	2014	2015	2016	2017 Q4	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-2.8	1.6	2.2	2.1	2.0	Difference between financial assets and financial liabilities flows over GDP
23. Net Financial Savings/GDP (Households and non-profit institutions)	Bank of Spain	2.5	3.4	3.6	2.6	0.5	Difference between financial assets and financial liabilities flows over GDP
24. Debt in securities (other than shares) and loans/GDP (National Economy)	Bank of Spain	288.1	320.0	302.3	297.0	287.4	Public debt. non-financial companies debt and households and non-profit institutions debt over GDP
25. Debt in securities (other than shares) and loans/GDP (Households and non-profit institutions)	Bank of Spain	81.4	72.4	67.5	64.4	61.3	Households and non-profit institutions debt over GDP
26. Households and non-profit institutions balance: financial assets (quarterly average % chg.)	Bank of Spain	0.6	2.1	1.7	0.6	3.8	Total assets percentage change (financial balance)
27. Households and non-profit institutions balance: financial liabilities (quarterly average % chg.)	Bank of Spain	-1.8	-4.0	-2.9	1.1	-0.1	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2017Q4, the financial savings to GDP in the overall economy fell to 2% of GDP. There was also a decrease in the financial savings rate of households from 2.6% to 0.5%. The debt to GDP ratio fell to 61.3%. Finally, the stock of financial assets on households' balance sheets registered a growth of 3.8%, and there was a 0.1% fall in the stock of financial liabilities.

## D. Credit institutions. Business Development

Indicator	Source	Average 2001-2015	2016	2017	2018 January	2018 February	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	7.3	-4.1	-0.4	-1.3	-0.6	Lending to the private sector percentage change for the sum of banks. savings banks and credit unions
29. Other resident sectors' deposits in credit institutions (monthly average % var.)	Bank of Spain	7.8	-0.1	2.4	-2.1	0.2	Deposits percentage change for the sum of banks. savings banks and credit unions
30. Debt securities (monthly average % var.)	Bank of Spain	9.5	-11.6	-3.7	0.8	2.3	Asset-side debt securities percentage change for the sum of banks. savings banks and credit unions
31. Shares and equity (monthly average % var.)	Bank of Spain	10.7	-1.0	0.7	-4.8	-10.1	Asset-side equity and shares percentage change for the sum of banks. savings banks and credit unions
32. Credit institutions. Net position (difference between assets from credit institutions and liabilities with credit institutions) (% of total assets)	Bank of Spain	-2.2	-4.5	-1.7	-1.8	-1.9	Difference between the asset-side and liability-side "Credit System" item as a proxy of the net position in the interbank market (month-end)
33. Doubtful loans (monthly average % var.)	Bank of Spain	0.2	-3.6	-3.8	-0.5	-2.0	Doubtful loans. Percentage change for the sum of banks. savings banks and credit unions
34. Assets sold under repurchase (monthly average % var.)	Bank of Spain	-1.8	-22.2	-3.5	-18.5	9.1	Liability-side assets sold under repurchase. Percentage change for the sum of banks. savings banks and credit unions
35. Equity capital (monthly average % var.)	Bank of Spain	9.0	-0.3	-1.2	-1.1	-0.8	Equity percentage change for the sum of banks, savings banks and credit unions

*Comment on "Credit institutions. Business Development": The latest available data as of February 2018 show a decrease in bank credit to the private sector of 0.6%. Data also show a growth in financial institutions deposit-taking of 0.2%. Holdings of debt securities grew 2.3%. Doubtful loans decreased 2% compared to the previous month.*

## E. Credit institutions. Market Structure and Eurosystem Refinancing

Indicator	Source	Average 2000-2013	2014	2015	2016	2017 December	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	199	138	135	124	123	Total number of banks, savings banks and credit unions operating in Spanish territory
37. Number of foreign credit institutions operating in Spain	Bank of Spain	73	86	82	82	83	Total number of foreign credit institutions operating in Spanish territory
38. Number of employees	Bank of Spain	246,418	203,305	203,305	202,954	189,280(a)	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	40,703	31,817	30,921	28,807	27,810(b)	Total number of branches in the banking sector
40. Recourse to the Eurosystem: long term (total Eurozone financial institutions) (Euro millions)	Bank of Spain	-	406,285	460,858	527,317	760,140(b)	Open market operations and ECB standing facilities. Eurozone total
41. Recourse to the Eurosystem: long term (total Spanish financial institutions) (Euro millions)	Bank of Spain	-	111,338	122,706	138,455	169,678(b)	Open market operations and ECB standing facilities. Spain total
42. Recourse to the Eurosystem (total Spanish financial institutions): main refinancing operations (Euro millions)	Bank of Spain	22,794	21,115	10,515	1,408	2(b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: June 2017.

(b) Last data published: March 2018.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In March 2018, recourse to Eurosystem funding by Spanish credit institutions reached 169.68 billion euro.

MEMO ITEM: From January 2015, the ECB also offers information on the asset purchase programs. The amount borrowed by Spanish banks in these programs reached 314.9 billion euro in March and 2.46 trillion euro for the entire Eurozone banking system.

## F. Credit institutions. Efficiency and Productivity, Risk and Profitability

Indicator	Source	Average 2000-2013	2014	2015	2016	2017	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	50.89	47.27	50.98	54.18	54.03	Operational efficiency indicator. Numerator and denominator are obtained directly from credit institutions' P&L accounts
44. "Customer deposits/employees" ratio (Euro thousands)	Bank of Spain	3,519.51	5,892.09	5,595.62	5,600.48	6,532.25	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	21,338.27	40,119.97	36,791.09	39,457.04	47,309.12	Productivity indicator (business by branch)

F. Credit institutions. Efficiency and Productivity, Risk and Profitability (continued)

Indicator	Source	Average 2000-2013	2014	2015	2016	2017	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	205.80	142.85	229.04	139.84	122.22	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.1	6.8	6.57	7.05	6.97	Branch size indicator
48. "Equity capital (monthly average % var.)	Bank of Spain	0.11	0.07	0.01	-0.62	0.84	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.45	0.49	0.39	0.26	0.44	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.27	6.46	5.04	3.12	3.66	Profitability indicator, defined as the "pre-tax profit/equity capital"

*Comment on "Credit institutions. During 2017, most of the profitability and efficiency indicators improved for Spanish banks. Productivity indicators have also improved since the restructuring process of the Spanish banking sector was implemented"*