

# 50 Financial System Indicators

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

Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-0.4	December 2017
Other resident sectors' deposits in credit institutions (monthly average % var.)	2.4	December 2017
Doubtful loans (monthly % var.)	-3,8	December 2017
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	760,643	February 2018
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	169,933	February 2018
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	43	February 2018
"Operating expenses/gross operating income" ratio (%)	57.22	June 2017
"Customer deposits/employees" ratio (thousand euros)	6,429.18	June 2017
"Customer deposits/branches" ratio (thousand euros)	46,215.17	June 2017
	135.64	June 2017

## A. Money and Interest Rates

Indicator	Source	Average 2001-2014	2015	2016	2017	2018 March 15	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.4	4.7	5.0	-	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	2.19	-0.1	-0.26	-0.329	-0.327	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.5	0.2	-0.03	-0.186	-0.191	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	4.4	1.7	1.4	1.5	1.4	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	4.3	2.1	2.3	-	-	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 March. The 3-month interbank rate went up to -0.327% from -0.329 in February and the 1-year Euribor rate decreased to -0.191%. The ECB has announced tapering may not go forward, having in mind the evolution of monetary conditions in the United States. As for the Spanish 10-year bond yield, it has fallen to 1.4%.

## B. Financial Markets

Indicator	Source	Average 2001-2014	2015	2016	2017 December	2018 January	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	39.0	75.5	102.6	54.60	106.41	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	78.4	65.3	55.1	27.60	64.86	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
8. Outright forward treasury bills transactions trade ratio	Bank of Spain	1.1	1.3	0.4	3.46	0.17	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	4.7	3.4	1.9	4.76	2.25	(Traded amount/outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	2.0	0.0	0.0	-0.7	-0.5	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec 1987=100)	Bank of Spain	642.9	1,058.2	1,104.9	1,127.71	1,136.38	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	0.3	0.5	0.2	-1.3	3.5	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	4.1	-0.2	0.7	2.2	-	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	1,038.3	965.1	943.6	1,055.4 (a)	982.6(a)	Base 1985=100
15. Ibex-35 (Dec 1989=3000)	Bank of Spain and Madrid Stock Exchange	9,750.4	10,647.2	8,790.9	10,451.5 (a)	9,684.2(a)	Base dec 1989=3000
16. Madrid Stock Exchange PER ratio (share value/profitability)	Bank of Spain and Madrid Stock Exchange	16.7	15.4	23.6	15.8(a)	14.2(a)	Madrid Stock Exchange Ratio "share value/ capital profitability"
17. Long-term bonds. Stock trading volume (% chg.)	Bank of Spain and Madrid Stock Exchange	4.9	21.3	55.9	-	-	Variation for all stocks

## B. Financial Markets (continued)

Indicator	Source	Average 2001-2014	2015	2016	2017 December	2018 January	Definition and calculation
18. Commercial paper. Trading balance (% chg.)	Bank of Spain and AIAF	1.9	-0.2	0.1	-	-	AIAF fixed-income market
19. Commercial paper. Three-month interest rate	Bank of Spain and AIAF	2.5	0.1	0.0	-	-	AIAF fixed-income market
20. IBEX-35 financial futures concluded transactions (% chg.)	Bank of Spain	1.6	1.3	-0.4	0.6	0.6	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	8.9	17.7	5.8	107.0	-26.8	IBEX-35 shares concluded transactions

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

Comment on "Financial Markets": In January, there was an increase in transactions with outright spot T-bills to 106.41% and also an increase of spot government bonds transactions to 64.86%. The stock market has registered a fall in the first fortnight of March, with the IBEX-35 down to 9,684 points, and the General Index of the Madrid Stock Exchange to 983. There was an increase in Ibx-35 financial futures of 0.6% and a fall in options of 26.8%.

## C. Financial Saving and Debt

Indicator	Source	Average 2008-2013	2014	2015	2016	2017 Q3	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	1.3	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	288.7	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	61.8	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	-0.3	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	-1.2	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2017Q3, the financial savings to GDP in the overall economy fell 2% of GDP. There was also a decrease in the financial savings rate of households from 2.6% in 2016Q4 to 1.3% in 2017Q3. The debt to GDP ratio fell to 61.8%. Finally, the stock of financial assets on households' balance sheets registered a decrease of 0.3%, and there was a 1.2% fall in the stock of financial liabilities.

## D. Credit institutions. Business Development

Indicator	Source	Average 2001-2014	2015	2016	2017 November	2017 December	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	7.5	-4.0	-4.1	0.6	-0.4	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	8.0	-0.1	-0.1	6.8	2.4	Deposits percentage change for the sum of banks. savings banks and credit unions
30. Debt securities (monthly average % var.)	Bank of Spain	10.0	-15.2	-11.6	-1.5	-3.7	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	10.0	-5.9	-1.0	-0.7	0.7	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	-2.1	-5.2	-4.5	-1.2	-1.7	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	39.8	-22.4	-13.6	-0.9	-3.8	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	-2.1	-30.8	-22.2	7.7	-3.5	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	8.8	-1.8	-0.3	0.8	-1.2	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 December 2017 show a decrease in bank credit to the private sector of 0.4%. Data also show a growth in financial institutions deposit-taking of 2.4%. Holdings of debt securities fell by 3.7%. Doubtful loans decreased 3.8% compared to the previous month.

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

Indicator	Source	Average 2000-2013	2014	2015	2016 December	2017 September	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	199	138	135	124	124	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	760,643(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	169,933(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	43(b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: June 2017.

(b) Last data published: February 2018.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In February 2018, recourse to Eurosystem funding by Spanish credit institutions reached 169.93 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 310.8 billion euro in March and 2.43 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 December	2017 June	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	50.89	47.27	50.98	54.18	57.22	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	6,429.18	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	46,215.17	Productivity indicator (business by branch)

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

Indicator	Source	Average 2000-2013	2014	2015	2016 December	2017 June	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	205.80	142.85	229.04	139.84	135.64	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.1	6.8	6.57	7.05	6.21	Branch size indicator
48. "Equity capital (monthly average % var.)	Bank of Spain	0.11	0.07	0.01	-0.62	0.93	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.45	0.49	0.39	0.26	0.31	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.27	6.46	5.04	3.12	3.87	Profitability indicator, defined as the "pre-tax profit/equity capital"

Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability": In June 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.