

# 50 Financial System Indicators

Updated: January 15<sup>th</sup>, 2020

Highlights		
Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-0.2	October 2019
Other resident sectors' deposits in credit institutions (monthly average % var.)	-0.6	October 2019
Doubtful loans (monthly % var.)	-1.2	October 2019
Recourse to the Eurosystem L/T (Eurozone financial institutions, million euros)	642,118	December 2019
Recourse to the Eurosystem L/T (Spanish financial institutions, million euros)	132,611	December 2019
Recourse to the Eurosystem (Spanish financial institutions million euros) - Main refinancing operations	102	December 2019
"Operating expenses/gross operating income" ratio (%)	55.74	September 2019
"Customer deposits/employees" ratio (thousand euros)	9,774.41	September 2019
"Customer deposits/branches" ratio (thousand euros)	71,572.44	September 2019
"Branches/institutions" ratio	124.89	September 2019

## A. Money and Interest Rates

Indicator	Source	Average 2001-2016	2017	2018	2019 December	2020 January 15	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.6	4.7	4.1	-	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	1.9	-0.329	-0.309	-0.394	-0.388	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.2	-0.186	-0.117	-0.249	-0.243	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	4.0	1.5	1.4	0.4	0.4	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	3.9	1.4	1.5	-	-	End-of-month straight bonds average interest rate (> 2 years) in the AIAF market

*Comment on "Money and Interest Rates": Interbank rates increased during the first half of January. The 3-month interbank moved from -0.394% in December to -0.388%, and the 1-year Euribor increased from -0.249% to -0.243%. Although there is an upward trend, these figures are still negative and still reflect the latest decisions of the ECB, significantly expanding the stimulus program. As for the Spanish 10-year bond yield, it stood at 0.4%.*

## B. Financial Markets

Indicator	Source	Average 2001-2016	2017	2018	2019 October	2019 November	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	16.3	54.60	84.19	245.71	212.79	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	17.5	27.60	49.25	93.75	98.15	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
8. Outright forward treasury bills transactions trade ratio	Bank of Spain	0.4	3.46	1.07	0	0.07	(Traded amount/outstanding balance) ×100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	0.3	4.76	1.84	1.30	1.14	(Traded amount/outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	0.7	-0.7	-0.52	-0.59	-0.58	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec 1987=100)	Bank of Spain	676.8	1,127.1	1,164.63	1,253.93	1,257.14	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	-1.3	-5.9	113	-	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	3.2	2.2	-5.3	44.4	-	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	1,013.32	1,055.4	862.6	923.4	946.7 (a)	Base 1985=100
15. Ibex-35 (Dec 1989=3000)	Bank of Spain and Madrid Stock Exchange	9,732.1	10,451.5	8,539.9	9,257.5	9,511.10 (a)	Base dec1989=3000
16. Madrid Stock Exchange PER ratio (share value/profitability)	Bank of Spain and Madrid Stock Exchange	15.8	15.8	12.2	14.2	15.6 (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	-	-	-	-	Variation for all stocks

## B. Financial Markets (continued)

Indicator	Source	Average 2001-2016	2017	2018	2019 October	2019 November	Definition and calculation
18. Commercial paper. Trading balance (% chg.)	Bank of Spain and AIAF	1.6	-	-	-	-	AIAF fixed-income market
19. Commercial paper. Three-month interest rate	Bank of Spain and AIAF	2.2	-	-	-	-	AIAF fixed-income market
20. IBEX-35 financial futures concluded transactions (% chg.)	Bank of Spain	1.4	0.6	-6.14	8.01	-13.7	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (%chg.)	Bank of Spain	10.6	5.8	58.5	-20.5	-22.6	IBEX-35 shares concluded transactions

(a) Last data published: January 15<sup>th</sup>, 2020.

Comment on "Financial Markets": During November, there was a decrease in transactions with outright spot T-bills to 212.8% and an increase of spot government bonds transactions to 98.15%. The stock market underwent some volatility in the first half of January 2020 but ended the fortnight in similar levels to that of end 2019 with the IBEX-35 at 9,511 points, and the General Index of the Madrid Stock Exchange at 947. There was a decrease in Ibex-35 futures and options of 13.7% and 22.6%, respectively.

## C. Financial Saving and Debt

Indicator	Source	Average 2008-2015	2017	2018	2019 Q2	2019 Q3	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-2.3	2.0	1.5	2.2	2.1	Difference between financial assets and financial liabilities flows over GDP
23. Net Financial Savings/GDP (Households and non-profit institutions)	Bank of Spain	2.1	0.5	0.1	1.7	2.4	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	261.5	287.4	280.7	289.2	288.2	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	64.6	61.3	58.9	58.6	57.4	Households and non-profit institutions debt over GDP
26. Households and non-profit institutions balance: financial assets (quarterly average % chg.)	Bank of Spain	0.5	3.8	-1.6	3.1	-0.3	Total assets percentage change (financial balance)
27. Households and non-profit institutions balance: financial liabilities (quarterly average % chg.)	Bank of Spain	-1.5	-0.1	0.1	1.6	-1.5	Total liabilities percentage change (financial balance)

Comment on "Financial Savings and Debt": During 2019Q3, the financial savings to GDP in the overall economy fell to 2.1% of GDP. There was an increase in the financial savings rate of households of 2.4%. The debt to GDP ratio of the economy reached 288.2%. Finally, the stock of financial assets on households' balance sheets registered a decrease of 0.3%, and there was a 1.5% fall in the stock of financial liabilities.

## D. Credit institutions. Business Development

Indicator	Source	Average 2001-2016	2017	2018	2019 September	2019 October	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	6.5	-0.4	-4.7	-0.3	-0.2	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	7.3	2.4	0.7	0.2	-0.6	Deposits percentage change for the sum of banks, savings banks and credit unions.
30. Debt securities (monthly average % var.)	Bank of Spain	108.1	-3.7	-0.9	0.6	-1.6	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	9.9	0.7	-8.8	0.8	0.9	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	-2.3	-1.7	-0.6	-0.1	-0.01	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	-0.1	-3.8	-2.3	-2.0	-1.2	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	-3.0	-3.5	-1.4	-11.8	11.1	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	8.4	-1.2	-4.1	0.9	-0.4	Equity percentage change for the sum of banks and savings banks and credit unions.

*Comment on "Credit institutions. Business Development": The latest available data as of October show a fall in bank credit to the private sector of 0.2%. Data also show a decrease of financial institutions deposit-taking of 0.6%. Holdings of debt securities fell 1.6%. Doubtful loans decreased 1.2% compared to the previous month.*

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

Indicator	Source	Average 2001-2015	2016	2017	2019 June	2019 September	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	194	124	122	115	115	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	75	82	83	83	84	Total number of foreign credit institutions operating in Spanish territory
38. Number of employees	Bank of Spain	246,618	189,280	187,472	181,999(a)	-	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	40,047	28,643	27,320	25,408	24,855	Total number of branches in the banking sector
40. Recourse to the Eurosystem: long term (total Eurozone financial institutions) (Euro millions)	Bank of Spain	318,141	527,317	762,540	714,781	642,118 (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	65,106	138,455	170,445	164,162	132,611 (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	20,270	1,408	96	180	102 (b)	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: December 2018.

(b) Last data published: December 2019.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing": In December 2019, recourse to Eurosystem funding by Spanish credit institutions reached 132.6 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 332 billion euro in December 2019, and 2.6 trillion euro for the entire Eurozone banking system.

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

Indicator	Source	Average 2000-2013	2015	2016	2017	2018	2019 Q3	Definition and calculation
43. "Operating expenses/gross operating income" ratio	Bank of Spain	50.89	50.98	54.18	54.03	54.39	55.74	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	5,595.62	5,600.48	6,532.25	9,461.19	9,774.41	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	21,338.27	36,791.09	39,457.04	47,309.12	68,190.72	71,572.44	Productivity indicator (business by branch)

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

Indicator	Source	Average 2000-2013	2015	2016	2017	2018	2019 Q3	Definition and calculation
46. "Branches/institutions" ratio	Bank of Spain	205.80	229.04	139.84	122.22	109.28	124.89	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.1	6.57	7.05	6.97	7.20	7.3	Branch size indicator
48. "Equity capital (monthly average % var.)	Bank of Spain	0.11	0.01	-0.62	0.84	-0.79	1.41	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.45	0.39	0.26	0.44	0.57	0.58	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.27	5.04	3.12	3.66	4.25	4.50	Profitability indicator, defined as the "pre-tax profit/equity capital"

*Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability": During 2019Q3, 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.*