

## KEY FACTS: 50 FINANCIAL SYSTEM INDICATORS – FUNCAS

Updated: March 15<sup>th</sup>, 2017

### Highlights

Indicator	Last value available	Corresponding to:
Bank lending to other resident sectors (monthly average % var.)	-0.6	December 2016
Other resident sectors' deposits in credit institutions (monthly average % var.)	0.6	December 2016
Doubtful loans (monthly % var.)	-1.5	December 2016
Recourse to the Eurosystem (Eurozone financial institutions, million euros)	554,357	February 2017
Recourse to the Eurosystem (Spanish financial institutions, million euros)	144,184	February 2017
Recourse to the Eurosystem (Spanish financial institutions million euros)- Main L/T refinancing operations	835	February 2017
Operating expenses/gross operating income ratio (%)	54.25	September 2016
Customer deposits/employees ratio (thousand euros)	5,731.21	September 2016
Customer deposits/branches ratio (thousand euros)	38,662.48	September 2016
Branches/institutions ratio	227.33	September 2016

#### A. Money and interest rates

Indicator	Source:	Average 2001-2014	2015	2016	2017 February	2017 March 15 <sup>th</sup>	Definition and calculation
1. Monetary Supply (% chg.)	ECB	5.4	4.7	5.0	4.5	-	M3 aggregate change (non-stationary)
2. Three-month interbank interest rate	Bank of Spain	2.19	-0.1	-0.26	-0.329	-0.330	Daily data average
3. One-year Euribor interest rate (from 1994)	Bank of Spain	2.5	0.2	-0.03	-0.113	-0.108	End-of-month data
4. Ten-year Treasury bonds interest rate (from 1998)	Bank of Spain	4.4	1.7	1.4	1.6	1.8	Market interest rate (not exclusively between account holders)
5. Corporate bonds average interest rate	Bank of Spain	4.3	2.1	2.3	2.1	-	End-of-month straight bonds average interest rate (> 2 years) in the AIAF market

*Comment on "Money and Interest Rates:" The 3-month interbank rate has slightly decreased to -0.330% in the first fortnight of March (from -0.329% in February) and the 1-year Euribor has increased to -0.108% (from -0.113% in February). The ECB has announced the continuation of the liquidity program and has also updated its macroeconomic projections, suggesting a more favourable outcome for the Eurozone economy. Meanwhile, the Fed has increased interest rates again in the United States. As for the Spanish 10-year bond yield, it has increased to 1.8%.*

## B. Financial markets

Indicator	Source:	Average 2000-2013	2014	2015	2016 December	2017 January	Definition and calculation
6. Outright spot treasury bills transactions trade ratio	Bank of Spain	34.6	75.6	75.5	92.55	103.57	(Traded amount/ outstanding balance) x100 in the market (not exclusively between account holders)
7. Outright spot government bonds transactions trade ratio	Bank of Spain	77.7	73.2	65.3	41.23	57.54	(Traded amount/ outstanding balance) x100 in the market (not exclusively between account holders)
8. Outright forward treasury bills transactions trade ratio	Bank of Spain	0.9	2.6	1.3	1.65	0.06	(Traded amount/ outstanding balance) x100 in the market (not exclusively between account holders)
9. Outright forward government bonds transactions trade ratio	Bank of Spain	4.5	4.6	3.4	1.05	1.36	(Traded amount/ outstanding balance) in the market (not exclusively between account holders)
10. Three-month maturity treasury bills interest rate	Bank of Spain	2.3	0.1	0.1	-0.00	0.05	Outright transactions in the market (not exclusively between account holders)
11. Government bonds yield index (Dec1987=100)	Bank of Spain	603.2	1,037.9	1,058.2	1,104.93	1,087.12	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	0.6	0.5	6.6	-0.4	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	3.7	7.0	-0.2	5.5	13.5	Stock market trading volume. Stock trading volume: change in total trading volume
14. Madrid Stock Exchange general index (Dec1985=100)	Bank of Spain and Madrid Stock Exchange	1,026.8	1,042.5	965.1	943.6	1,006.1 <sup>(a)</sup>	Base 1985=100
15. Ibex-35 (Dec1989=3000)	Bank of Spain and Madrid Stock Exchange	9,767.1	10,528.8	10,647.2	9,352.1	9,982.4 <sup>(a)</sup>	Base dec1989=3000
16. Madrid Stock Exchange PER ratio (share value/ profitability)	Bank of Spain and Madrid Stock Exchange	16.2	26.1	15.4	23.6	18.7 <sup>(a)</sup>	Madrid Stock Exchange Ratio "share value/ capital profitability"

## B. Financial markets (continued)

Indicator	Source:	Average 2000-2013	2014	2015	2016 December	2017 January	Definition and calculation
17. Long-term bonds. Stock trading volume (% chg.)	Bank of Spain and Madrid Stock Exchange	4.2	7.4	21.3	-93.1	-26.1	Variation for all stocks
18. Commercial paper. Trading balance (% chg.)	Bank of Spain and AIAF	2.0	-1.3	-0.2	1.6	0.01	AIAF fixed-income market
19. Commercial paper. Three-month interest rate	Bank of Spain and AIAF	2.7	0.6	0.1	-0.24	-0.02	AIAF fixed-income market
20. IBEX-35 financial futures concluded transactions (% chg.)	Bank of Spain	1.3	4.3	1.3	-11.1	-4.5	IBEX-35 shares concluded transactions
21. IBEX-35 financial options concluded transactions (% chg.)	Bank of Spain	8.6	6.4	17.7	35.1	-5.1	IBEX-35 shares concluded transactions

(a) Last data published: March 15<sup>th</sup>, 2017.

*Comment on "Financial Markets:":* During January, there was an increase in transactions with outright spot T-bills to 103.57% and also an increase of spot government bonds transactions, which stood at 57.54%, respectively. The stock market has registered an increase by mid-March, with the IBEX-35 up to 9,982 points, and the General Index of the Madrid Stock Exchange to 1006. Additionally, there was a decrease of 4.5% in financial IBEX-35 futures transactions and also a fall of 5.1% in transactions with IBEX-35 financial options.

## C. Financial Savings and Debt

Indicator	Source:	Average 2008-2013	2014	2015	2016 Q 2	2016 Q 3	Definition and calculation
22. Net Financial Savings/GDP (National Economy)	Bank of Spain	-2.8	1.6	2.2	2.3	2.4	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	2.9	3.4	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	288.1	320.0	302.3	303.6	301.4	Public debt, non-financial companies debt and households and non-profit institutions debt over GDP

## C. Financial Savings and Debt (continued)

Indicator	Source:	Average 2008-2013	2014	2015	2016 Q 2	2016 Q 3	Definition and calculation
25. Debt in securities (other than shares) and loans/GDP (Households and non-profit institutions)	Bank of Spain	81.4	72.4	67.5	66.8	65.2	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	0.9	1.4	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	0.7	-2.9	Total liabilities percentage change (financial balance)

*Comment on "Financial Savings and Debt:":* During 2016Q3, there was an increase in financial savings to GDP in the overall economy that reached 2.4% of GDP. There was also an increase in the financial savings rate of households from 2.9% in 2016Q2 to 3.4% in 2016Q3. The debt to GDP ratio fell to 65.2%. Finally, the stock of financial assets on households' balance sheets registered an increase of 1.4%, and there was a 2.9% fall in the stock of financial liabilities.

## D. Credit institutions. Business Development

Indicator	Source:	Average 2000-2013	2014	2015	2016 November	2016 December	Definition and calculation
28. Bank lending to other resident sectors (monthly average % var.)	Bank of Spain	9.1	-4.6	-4.0	0.9	-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	9.0	-1.5	-0.1	0.1	0.6	Deposits percentage change for the sum of banks, savings banks and credit unions
30. Debt securities (monthly average % var.)	Bank of Spain	10.1	1.2	-15.2	-0.7	-3.6	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	14.1	-6.8	-6.0	-2.4	1.1	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	-1.7	-5.9	-5.2	-5.4	-4.5	Difference between the asset-side and liability-side "Credit System" item as a proxy of the net position in the interbank market (month-end)

## D. Credit institutions. Business Development (continued)

Indicator	Source:	Average 2000-2013	2014	2015	2016 November	2016 December	Definition and calculation
33. Doubtful loans (monthly average % var.)	Bank of Spain	40.5	-12.7	-22.4	0.4	-1.5	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	-0.8	-6.1	-30.8	8.4	5.5	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	11.1	-1.1	-1.8	-0.7	-0.1	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 2016 show a fall in bank credit to the private sector of 0.6%. Data also show an increase in financial institutions deposit-taking of 0.6%. Holdings of debt securities fell by 3.6%. Also, doubtful loans decreased 1.5% compared to the previous month.*

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

Indicator	Source:	Average 2000-2013	2014	2015	2016 June	2016 September	Definition and calculation
36. Number of Spanish credit institutions	Bank of Spain	199	138	135	130	129	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	81	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	202,954	Total number of employees in the banking sector
39. Number of branches	Bank of Spain	40,703	31,817	30,921	30,207	29,492	Total number of branches in the banking sector
40. Recourse to the Eurosystem (total Eurozone financial institutions) (Euro millions)	Bank of Spain	-	406,285	460,858	454,537	554,357 <sup>(a)</sup>	Open market operations and ECB standing facilities. Eurozone total
41. Recourse to the Eurosystem (total Spanish financial institutions) (Euro millions)	Bank of Spain	-	111,338	122,706	123,577	144,184 <sup>(a)</sup>	Open market operations and ECB standing facilities. Spain total

## E. Credit institutions. Market Structure and Eurosystem Refinancing (continued)

Indicator	Source:	Average 2000-2013	2014	2015	2016 June	2016 September	Definition and calculation
42. Recourse to the Eurosystem (total Spanish financial institutions): main long term refinancing operations (Euro millions)	Bank of Spain	22,794	21,115	10,515	3,265	835 <sup>(a)</sup>	Open market operations: main long term refinancing operations. Spain total

(a) Last data published: February 2017.

Comment on "Credit institutions. Market Structure and Eurosystem Refinancing:" In February 2017, recourse to Eurosystem funding by Spanish credit institutions reached 144.18 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 234.8 billion euro in February and 1.78 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 June	2016 September	Definition and calculation
43. "Operating expenses/gross operating income" of Spain ratio	Bank of Spain	50.89	47.27	50.98	53.79	54.25	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	5,605.73	5,731.21	Productivity indicator (business by employee)
45. "Customer deposits/branches" ratio (Euro thousands)	Bank of Spain	21,338.27	40,119.97	36,791.09	37,663.62	38,662.48	Productivity indicator (business by branch)
46. "Branches/institutions" ratio	Bank of Spain	205.80	142.85	229.04	232.36	227.33	Network expansion indicator
47. "Employees/branches" ratio	Bank of Spain	6.1	6.8	6.57	6.72	6.75	Branch size indicator
48. Equity capital (monthly average % var.)	Bank of Spain	0.11	0.07	0.01	0.02	-0.01	Credit institutions equity capital variation indicator
49. ROA	Bank of Spain	0.45	0.49	0.39	0.40	0.41	Profitability indicator, defined as the "pre-tax profit/average total assets"
50. ROE	Bank of Spain	6.27	6.46	5.04	4.93	4.91	Profitability indicator, defined as the "pre-tax profit/equity capital"

Comment on "Credit institutions. Efficiency and Productivity, Risk and Profitability:" In September 2016, 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.