

U.S. Recession Risk Monitor

December, 2019

Key Messages

- Probability of recession in 12 months at one-year lows (30%)
- Financial conditions remain solid after Fed "mid-cycle" adjustment
- Strong household finances supporting consumption
- Slight pullback in riskier business lending, but tail risks remain
- Key concerns: trade frictions, market liquidity & equity price correction
- Despite industrial recession in advanced economics, global system risks muted

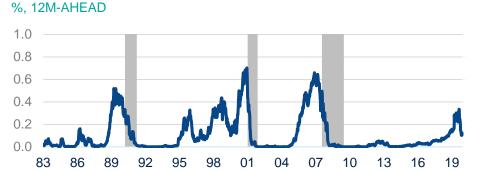
Heat Map



Source: BBVA Research and Haver

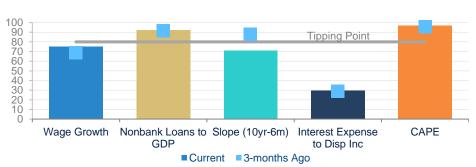
BBVA U.S. Recession Probability

TREASURY SPREAD TERM-PREMIUM ADJUSTED



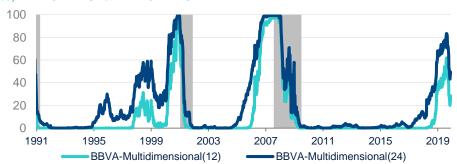
RISK FACTORS

PERCENTILE RANK



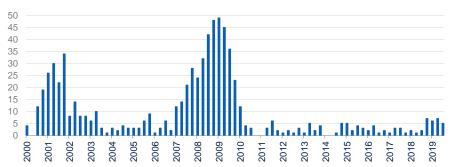
RECESSION PROBABILITY FACTOR

%, 12-MONTHS & 24-MONTHS AHEAD

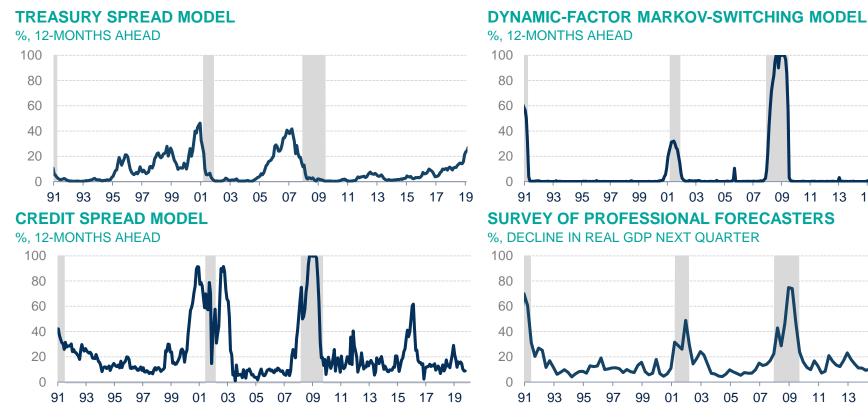


REGIONAL CONDITIONS

OF STATES WITH GREATER THAN 30% PROBABILITY

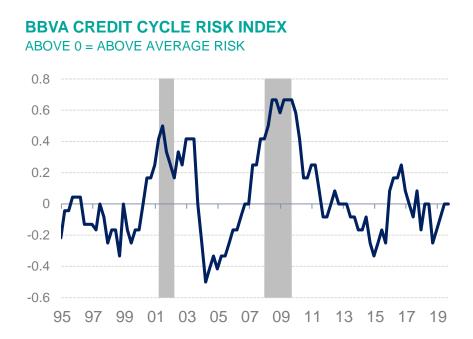


Recession Probability



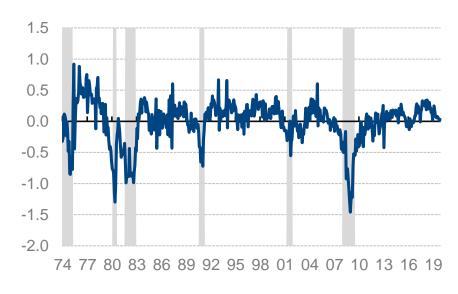
Credit Cycle and Recession Timing Indexes

Fed's "mid-cycle" easing should help to prolong the expansion



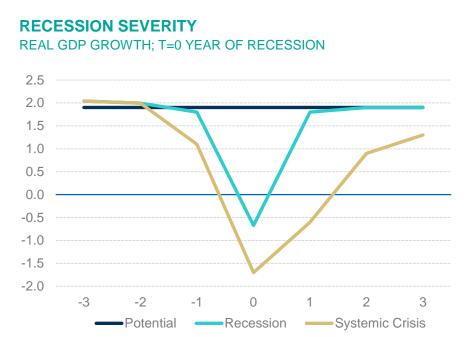
BBVA RECESSION TIMING INDEX

ABOVE 0 = LONGER LAG TO RECESSION



Scenarios

Probability of recession at its lowest since November 2018





Source: BBVA Research

Risk Matrix



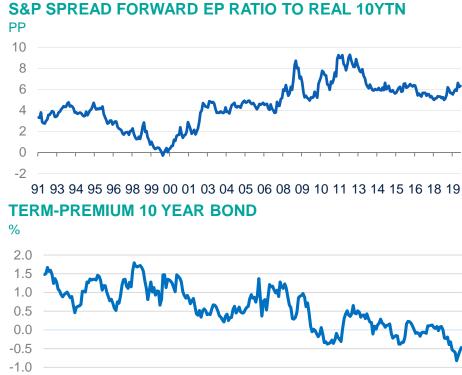
Source: BBVA Research; This assessment is not static and can change significantly depending on future developments

^{*} Includes macroeconomic conditions in China, Euro Area, Brexit, Emerging Markets *** Includes non-economic factors: Climate, Cybersecurity, Pandemic, Terrorism, Migration, etc.

Financial Markets



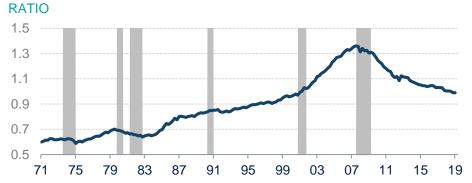
97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19



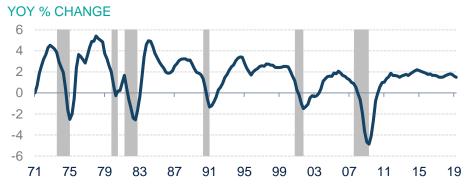
97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

Households

LIABILITIES/DISPOSABLE INCOME



NONFARM PAYROLL



INTEREST PAYMENTS/PERSONAL INCOME



DELINQUENCY RATE

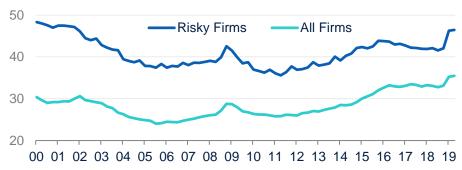


Source: BBVA Research, Federal Reserve, BLS, BEA and Haver

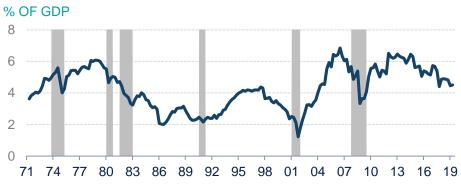
Businesses

GROSS BALANCE SHEET LEVERAGE

PUBLIC NONFINANCIAL CORPORATIONS, %



NONFINANCIAL CORPORATE PROFITS



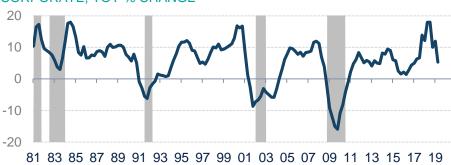
INTEREST COVERAGE RATIO

PUBLIC NONFINANCIAL CORPORATIONS, %



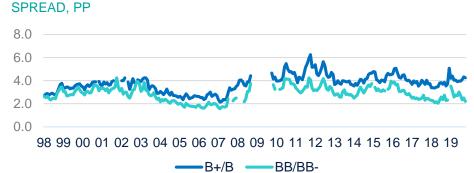
NONFINANCIAL SHORT-TERM LIABILITIES

CORPORATE, YOY % CHANGE

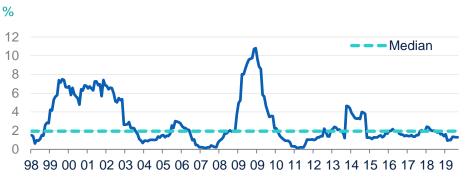


Leveraged Loans and High-Yield Bonds

NEWLY ISSUED INSTITUTIONAL LEVERAGED LOANS

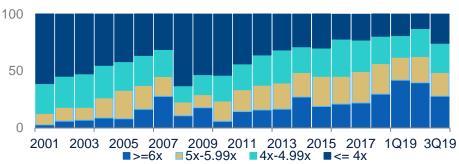


DEFAULT RATES OF LEVERAGED LOANS



LARGE INSTITUTIONAL LEVERAGED LOAN VOLUMES





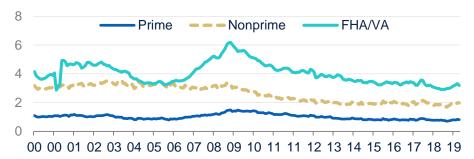
NET ISSUANCE OF RISKY BUSINESS DEBT US\$BN



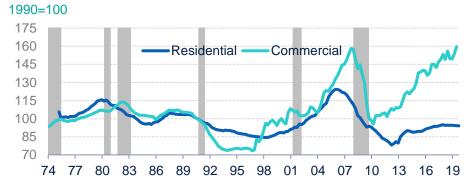
Real Estate

MORTGAGE TRANSITION RATES INTO DELINQUENCY

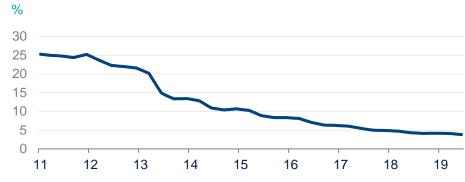
% OF PREVIOUSLY CURRENT LOANS



BBVA REAL ESTATE PRICE MISALIGNMENT

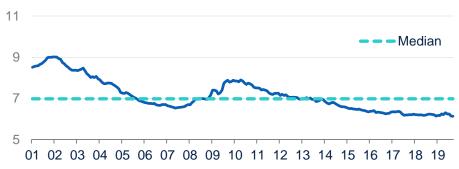


MORTGAGES WITH NEGATIVE EQUITY



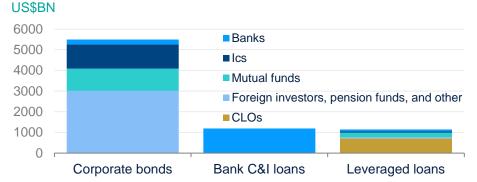
CAP RATES TO 10-YEAR TREASURY YIELD

SPREAD, PP

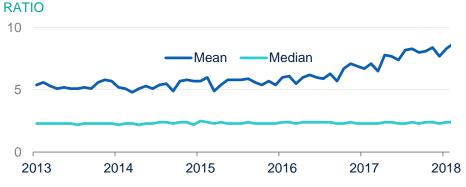


Financial Sector

CORPORATE DEBT, BY TYPE OF DEBT AND HOLDER

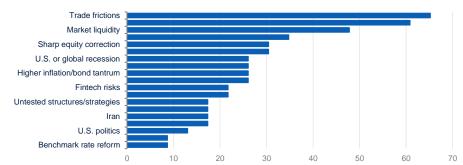


GROSS LEVERAGE OF HEDGE FUNDS



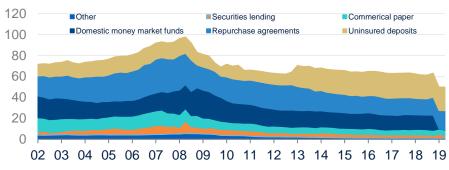
CONCERNS-POTENTIAL SHOCKS

SHARE OF CONTACTS CITING SHOCK, % OF TOTAL



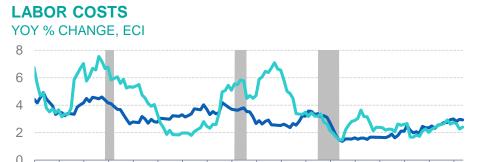
RUNNABLE MONEY-LIKE LIABILITIES

% SHARE OF GDP



Source: BBVA Research, FDIC, Federal Reserve and Haver

Prices



03 05 07 09

Benefits

11 13 15 17 19

99 01

—Wages

MARKET INFLATION EXPECTATIONS

91 93 95 97



NONLABOR COSTS PER UNIT OF REAL GDP



PCE INFLATION



Source: BBVA Research, Bloomberg, BLS, BEA and Haver

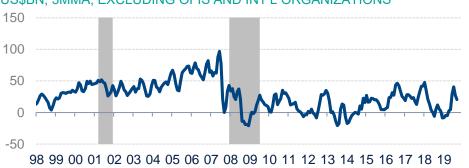
ADVANCED ECONOMIES FINANCIAL STRESS

0=AVERAGE STRESS LEVEL



NET FOREIGN PURCHASES OF U.S. SECURITIES

US\$BN, 3MMA, EXCLUDING OFIS AND INT'L ORGANIZATIONS



EMERGING MARKETS FINANCIAL STRESS

0=AVERAGE STRESS LEVEL



GLOBAL EXPORTS AND INDUSTRIAL PRODUCTION

YOY % CHANGE, EX. U.S.



For more information

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Corporate debt in the twilight of the credit cycle

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Recession risk monitor January 2019

Recession risk monitor March 2019

Recession risk monitor June 2019

Recession risk monitor August 2019

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