



Takeaways

FOMC November minutes and Fedspeak have reinforced the majority of members' stance that the economy is approaching full employment and the 2% inflation target

Backed by Fed communication that the case for the rate hike "continued to strengthen," the Fed funds futures are pricing a December rate hike implied probability at 100% with two additional rate increases by the end of 2017

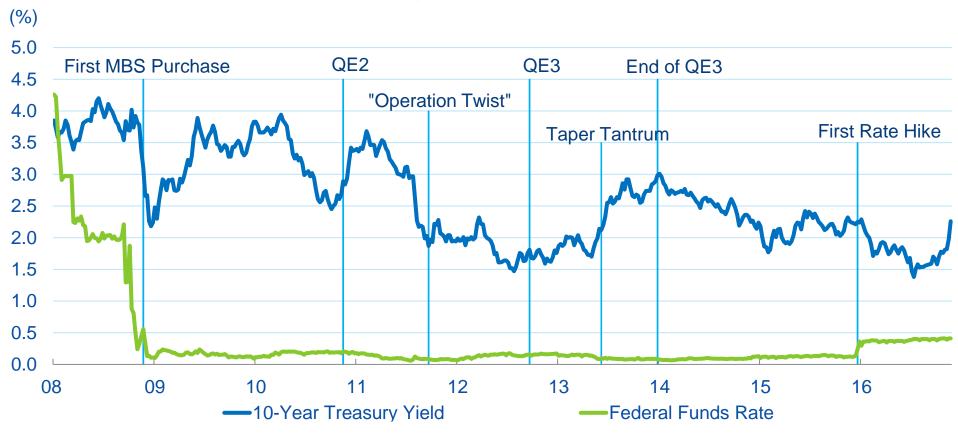
The correction in inflation expectations to 2% and a soft increase in termpremium due to the retreat in risk-off sentiment have resumed upward pressure on long-term yields and have steepened the yield curve

We continue to expect a moderate increase in long-term yields supported by soft risk-on sentiment, and higher expectations for growth and inflation. The baseline is for higher long-term rates but flatter yield curve relative to historic norms



Unconventional monetary policy

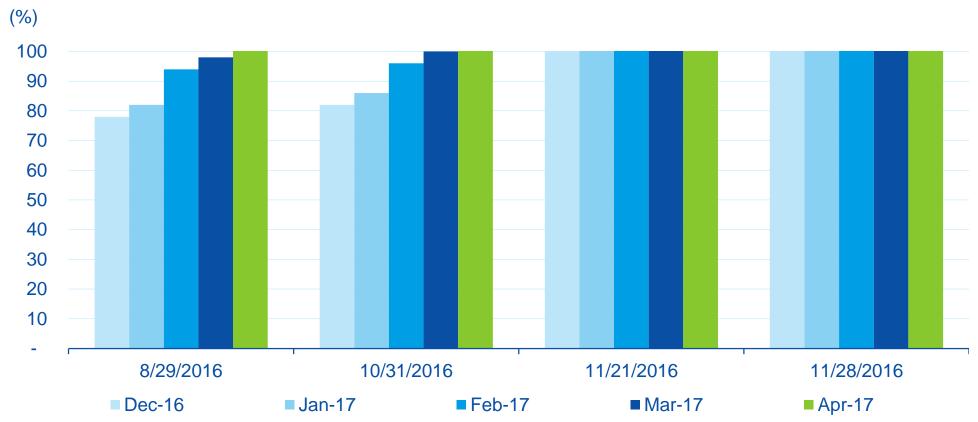
Federal Funds Rate and 10-Year Treasury Note





December rate hike probability at 100%

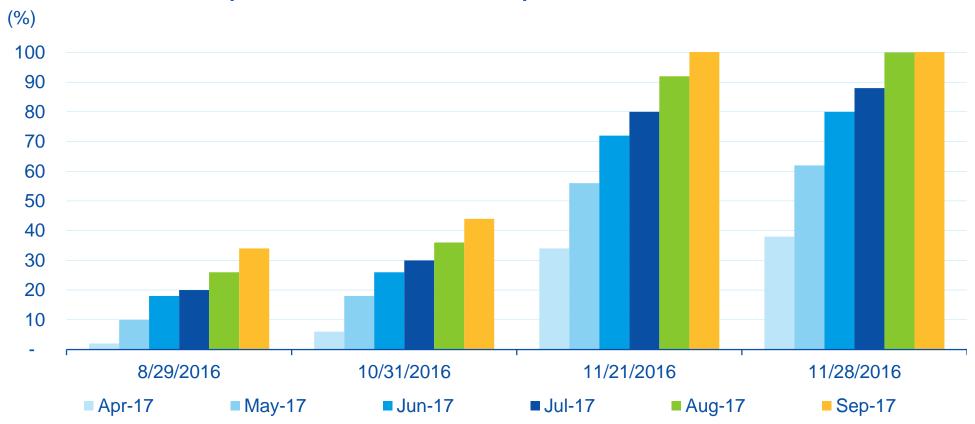
Fed Funds Futures Implied Probabilities, Second 25bp Hike





Third rate hike is priced in 2Q17

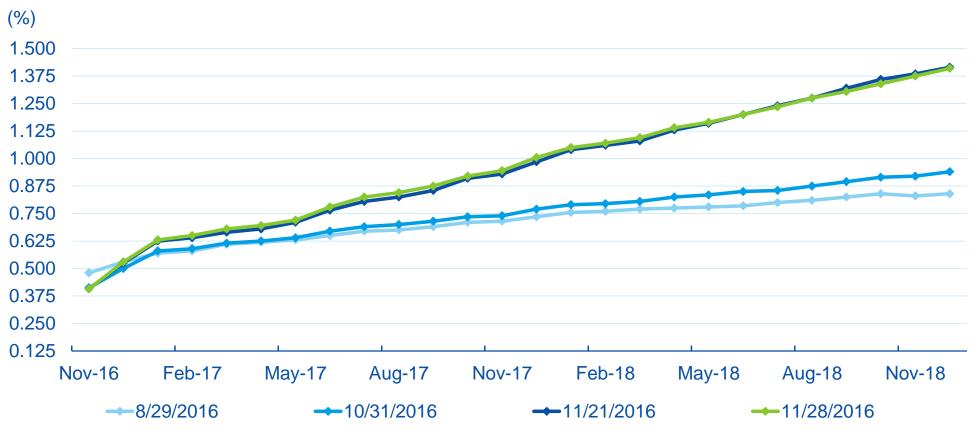
Fed Funds Futures Implied Probabilities, Third 25bp Hike





Fed funds futures curve

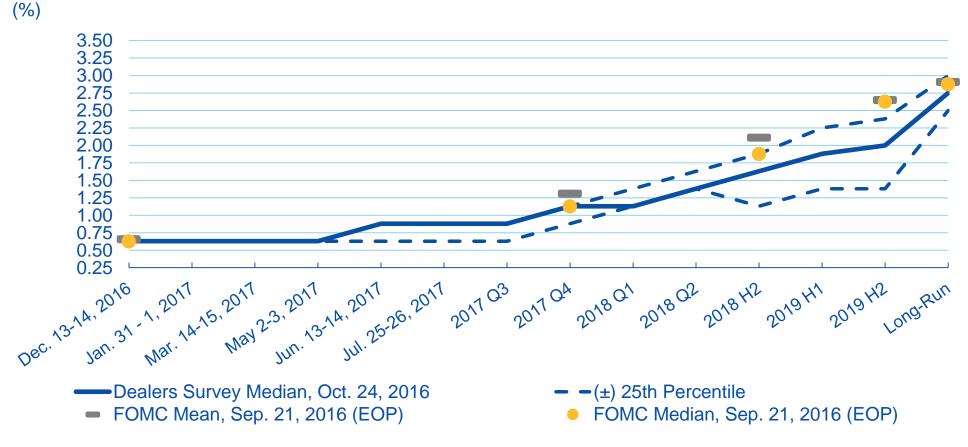
Fed Funds Futures – Most Recent, 1 Week Prior, 1 Month Prior, 3 Months Prior





Dealers' expectations match the FOMC policy firming path for the end of 2016 to 2017

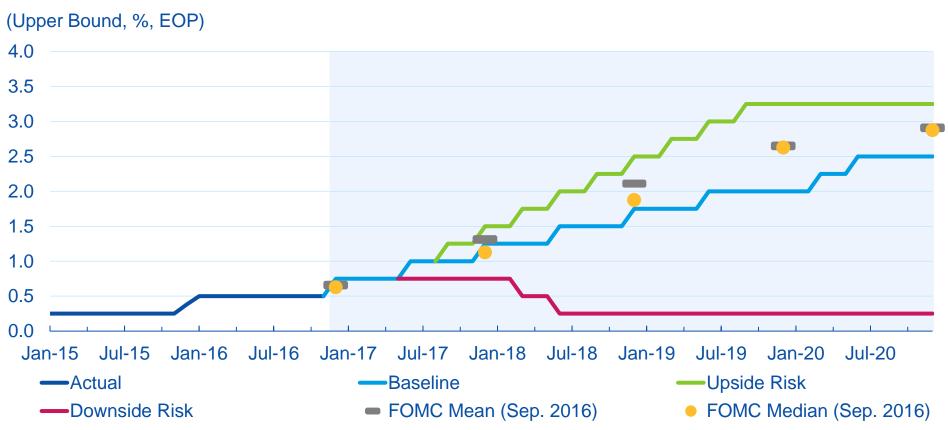
Projected Pace of Policy Firming





BBVA forecast of the pace of Fed funds firming remains unchanged

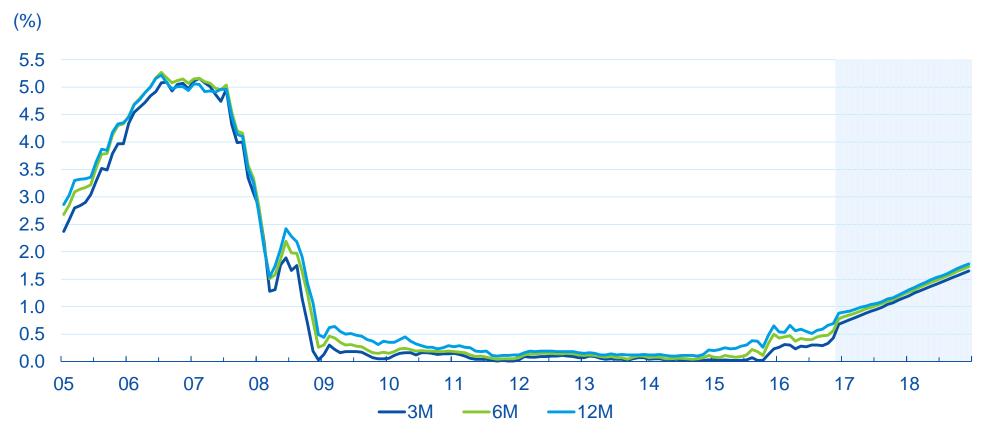
Federal Funds Rate





Baseline forecasts of Treasury Bill yield

3-Month to 12-Month Rates





Long-term yield volatility has retreated to historic mean

10-Year U.S. Treasury Note Volatility

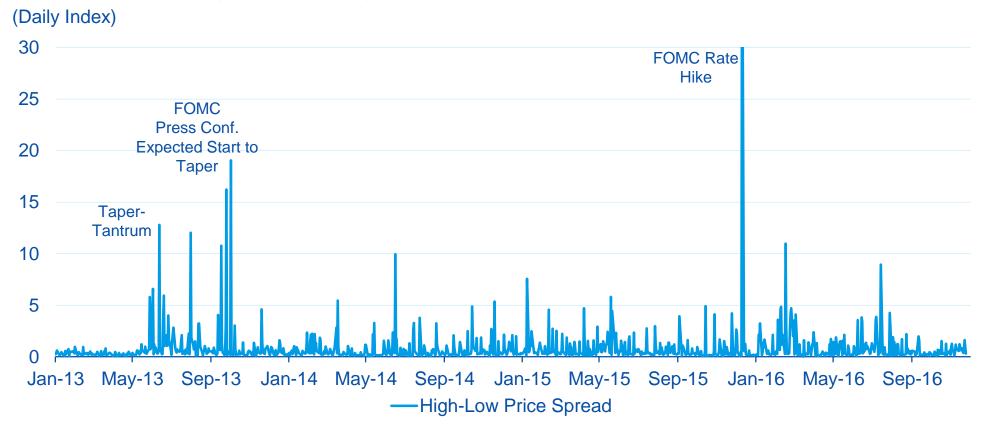


Index measures a constant 30-day expected volatility of 10-Year Treasury Note futures prices, and is calculated based on transparent pricing from Chicago Board of Trade's actively traded options on the Treasury Note futures.



Long-term yield volatility trading is contained

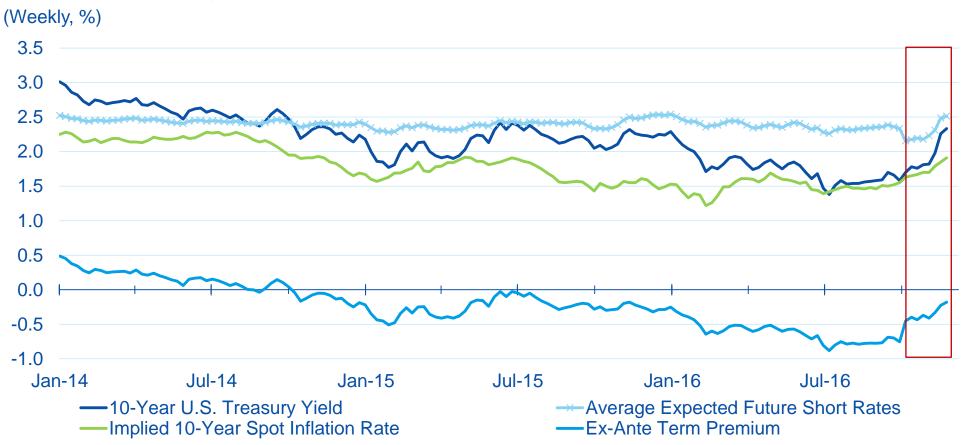
10-Year U.S. Treasury Note Volatility





Downward pressure on term premium marginally eased

10-Year U.S. Treasury Term Premium & Market Inflation Expectations





Long-term duration-risk compression eases, crossing into positive territory

Duration-Risk Compression



Calculated as the difference between 5-Year and 3-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



Mid-term duration-risk compression has strong correction into positive territory

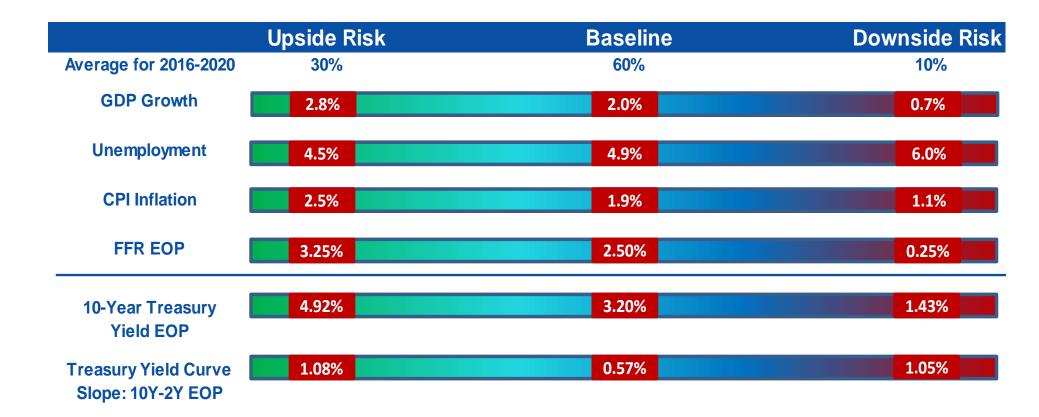
Duration-Risk Compression



Calculated as the difference between 5-Year and 3-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



Treasury yield curve scenarios



Source: BBVA Research 15



10-year treasury yield forecasts

10-Year U.S. Treasury Yield



^{*} National Association for Business Economics (NABE) Outlook median forecast compiled from a panel of NABE members. Last release date Sep 11, 2016

^{**} Survey of Professional Forecasters (SPF) conducted by Federal Reserve Bank of Philadelphia. Last release date November 14, 2016

^{***} Congressional Budget Office (CBO). Last release date Aug 23, 2016

^{****}The Blue Chip Consensus is the average of about 50 private forecasts. Last release date July 19, 2016



Yield curve slope forecasts

Treasury Yield Curve Slope





Yield curve forecasts

Treasury Yield Curve Baseline Forecast

(Average, %)





Treasury yield curve baseline forecasts

U.S. Treasury Yield Curve



Treasury yield curve is estimated with a three-factor no-arbitrage model linked to macroeconomic factors measuring growth, inflation and monetary policy. Estimates are based on BBVA Research baseline forecast for GDP growth, inflation and Fed funds rate.



Swap curve baseline forecasts

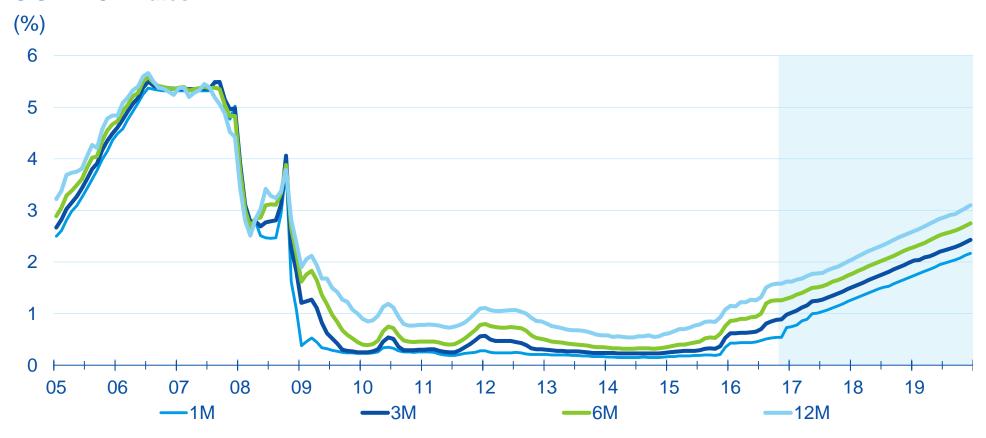
U.S. Swap Rates





LIBOR curve baseline forecasts

U.S. LIBOR Rates





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