



## **Takeaways**

Fedspeak takes on a hawkish stance putting pressure on the Fed funds futures market to align with at least one Fed funds rate increase in the second half of 2016

"in light of the continued solid performance of the labor market and our outlook for economic activity and inflation, I believe the case for an increase in the federal funds rate has strengthened in recent month." FRB Chair Yellen at the Jackson Hole Symposium, August 26, 2016

"The work of the central bank is never done, and I don't think you can say 'one and done' and that's it....We can choose the pace, but we choose the pace on the basis of data that's coming in." FRB Vice Chairman Fischer interview with Bloomberg Television, August 30, 2016

The Fed funds futures are priced at only one rate increase by the end of 2017. The December rate hike implied probability at 76% puts upward pressure on the short-end of the yield curve

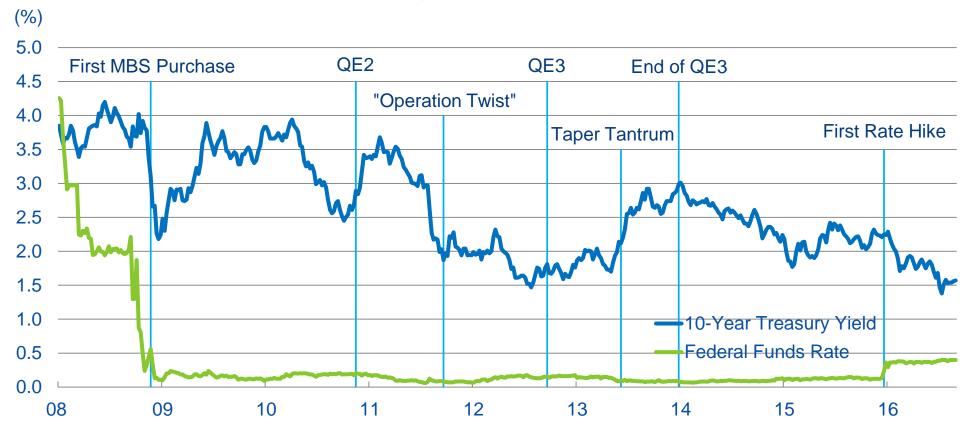
Persistent downward pressure on long-term yields is unchanged as long-term durationrisk compression remains below zero and term-premium is pushed further into negative territory

We continue to expect limited increase in long-term yields in the long run due to global risk-off sentiment, low inflation risk, moderate growth expectations, and the condensed duration risk environment



## Unconventional monetary policy

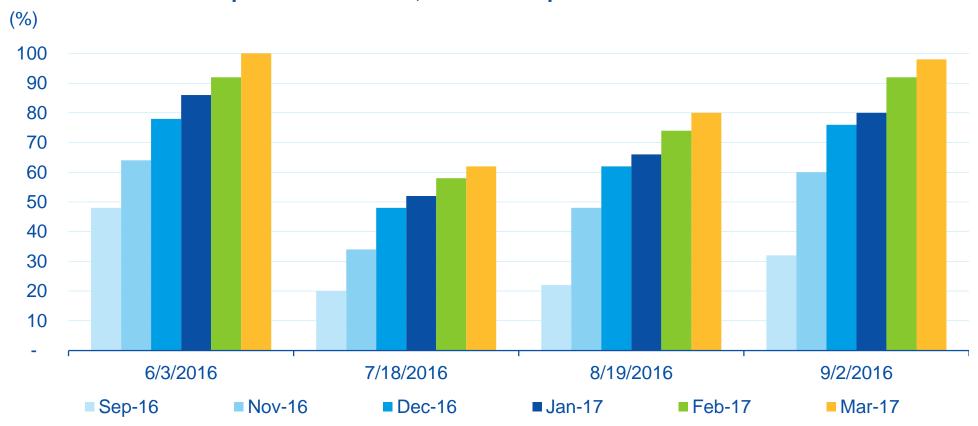
### **Federal Funds Rate and 10-Year Treasury Note**





## September rate hike probability at 32%; December at 76%

### Fed Funds Futures Implied Probabilities, Second 25bp Hike





### A flatter Fed funds futures curve

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

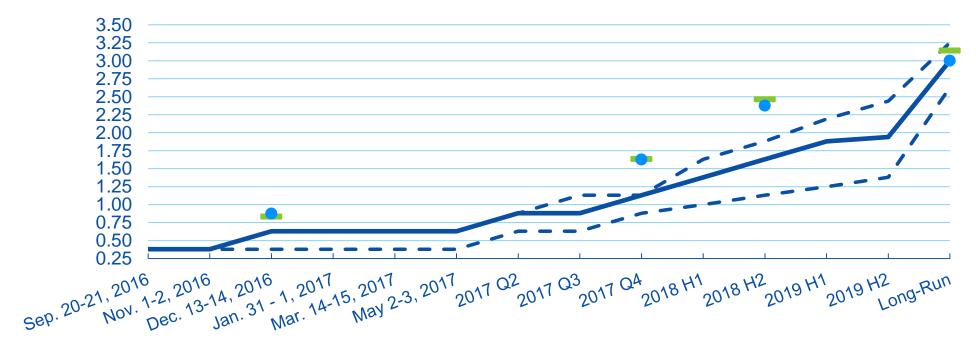




# Dealers expect a lower policy path than the FOMC firming path

### **Projected Pace of Policy Firming**

(%)



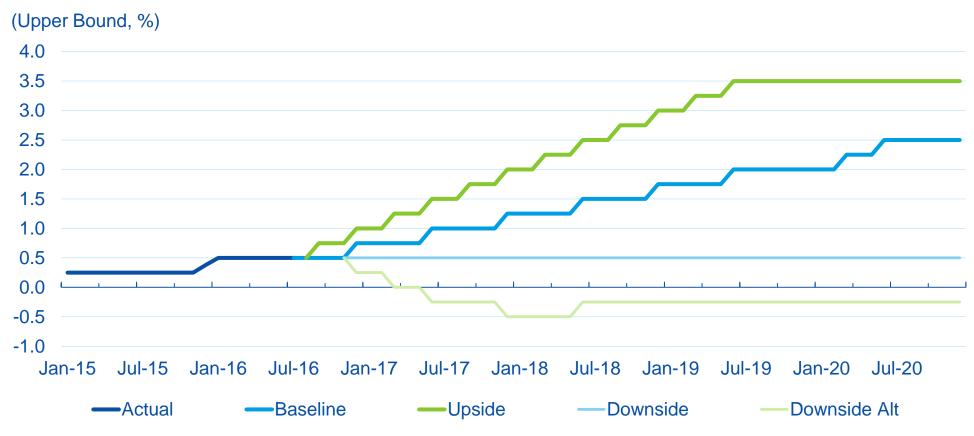
- Dealers Survey Median, July 18, 2016
- FOMC Mean, June 6, 2016 (EOP)

- **− −**(±) 25th Percentile
  - FOMC Median, June 6, 2016 (EOP)



## BBVA forecast of the pace of Fed funds firming revised

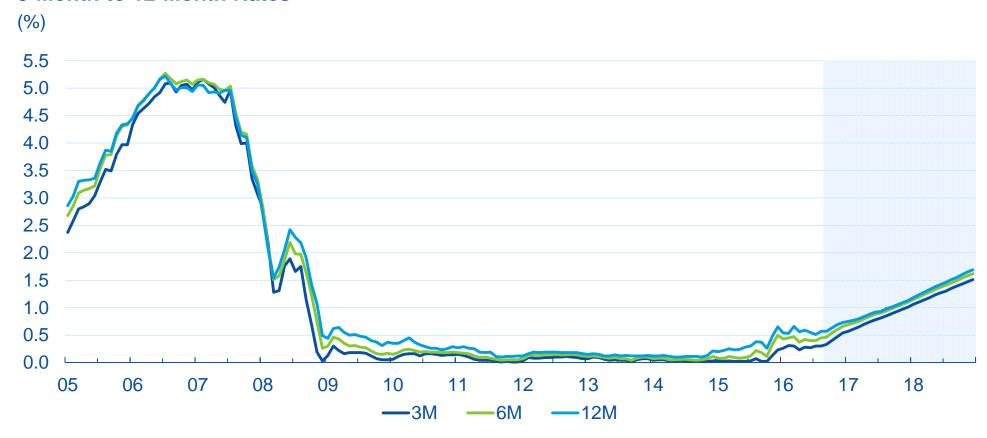
#### **Federal Funds Rate**





## Baseline forecasts of Treasury Bill yield

#### 3-Month to 12-Month Rates





## Long-term rates futures volatility normalizes below 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.

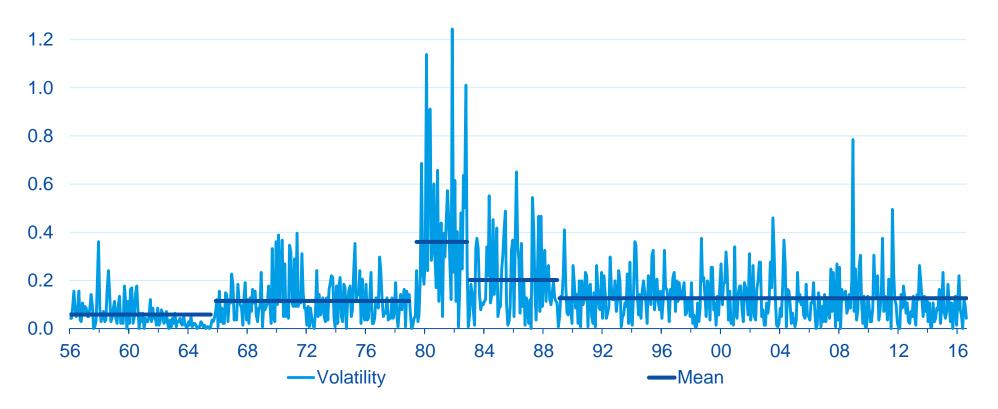
Index



## Long-term rate yield volatility is near historic mean

### 10-Year U.S. Treasury Yield Volatility

(MoM, %)





## Downward pressure on term premium unchanged

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





# Long-term duration-risk compression remains in negative 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 crosses over from near zero into negative territory

### **Duration-Risk Compression**

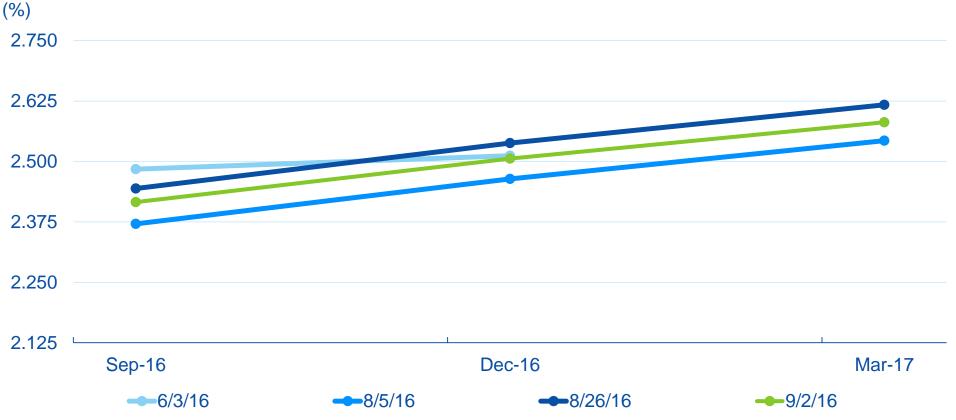


Calculated as the difference between 5-Year and 3-Year term premium reported by the New York Fed ACM (Adrian, Crump, and Moench) five-factor, no-arbitrage term structure model incorporating pricing factors.



# Futures continue to discount at 17bp raise in 10YTN yields over the next 3 quarters

10-Year U.S. Treasury Yield Futures – Most Recent, 1 Week Prior, 1 Month Prior, 3 Months Prior





## 10-year treasury yield forecasts

### 10-Year U.S. Treasury Yield



<sup>\*</sup> National Association for Business Economics (NABE) Outlook median forecast compiled from a panel of NABE members. Last release date June 05, 2016

<sup>\*\*</sup> Survey of Professional Forecasters (SPF) conducted by Federal Reserve Bank of Philadelphia. Last release date August 12, 2016

<sup>\*\*\*</sup> Congressional Budget Office (CBO). Last release date Aug 23, 2016

<sup>\*\*\*\*</sup>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**

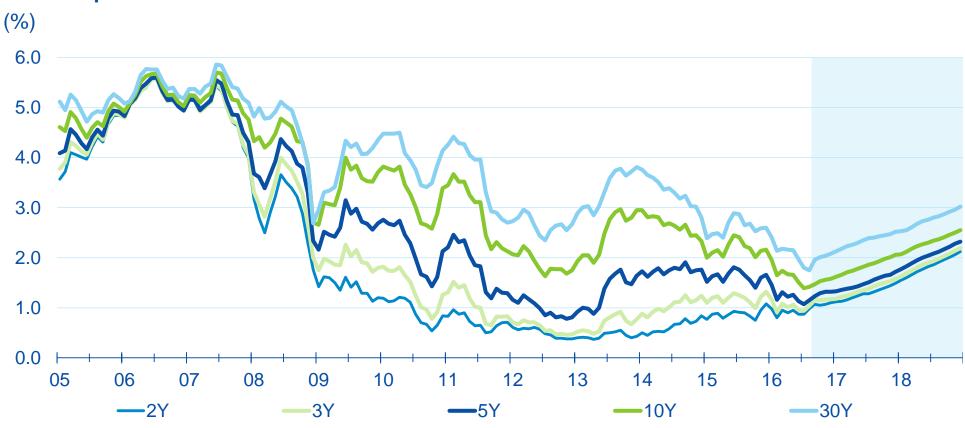


Treasury yield curve is estimated with a three-factor no-arbitrage model linked to macroeconomic factors measuring growth, inflation and monetary policy. Estimates are based on BBVA Research baseline forecast for GDP growth, inflation and Fed funds rate.



## Swap curve baseline forecasts

### **U.S. Swap Rates**

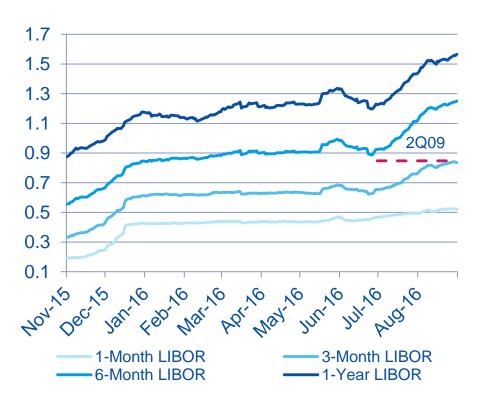




## 3-month LIBOR surges to a level not seen since 2009

#### **LIBOR**

(Daily, %)



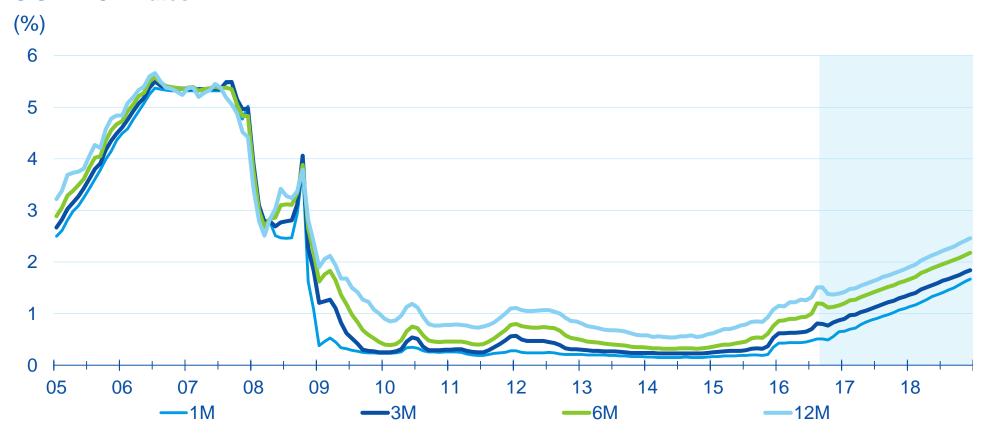
Structural changes to LIBOR and money market fund rules that will come into effect in October 14, 2016 have elevated 3-month to 1-year LIBOR rates in August

Part of the upward pressure on LIBOR can also be attributed to the signal from the FOMC of a nearing Fed funds rate hike



### LIBOR curve baseline forecasts

#### **U.S. LIBOR Rates**





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