

Goldman Sachs Research

# **Macro Rate Markets Outlook**

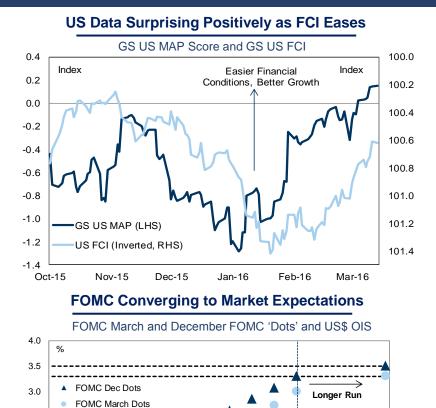
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## Frankfurt, 7th April 2016

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## **United States** Resilient Growth and a More Dovish Fed



2.5

2.0

1.5

1.0

0.5

0.0

Mar-16

-USD OIS 1m

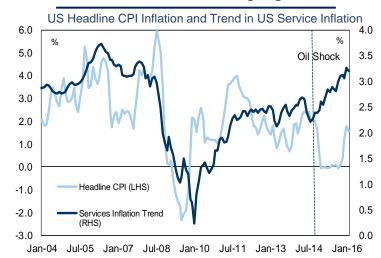
Sep-16

Mar-17

Sep-17

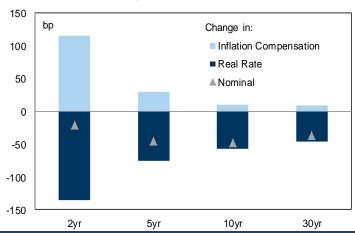
Mar-18

**Core Inflation Trending Higher** 



#### **Real Rates Driving the Rally in Nominals**

Decomposition of Change in US Treasury Yields Since Dec FOMC

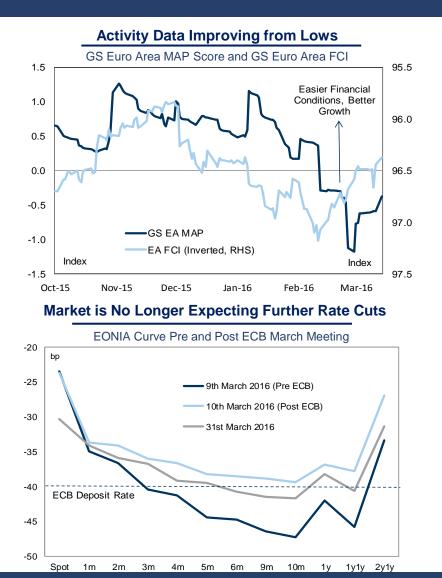


Mar-19

Sep-19

## **Euro Area**

## ECB Still the Marginal Price Setter for Euro Rates

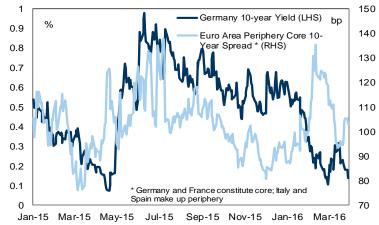


#### Inflation Dynamics Remain Subdued Euro Area Headline Inflation and Trend in Service Inflation 4.0 3 % 2.5 3.0 2 2.0 1.5 1.0 1 Headline CPI (LHS) 0.0 0.5 Services Inflation Trend (RHS) -1.0 0

#### Jan-04 Jul-05 Jan-07 Jul-08 Jan-10 Jul-11 Jan-13 Jul-14 Jan-16

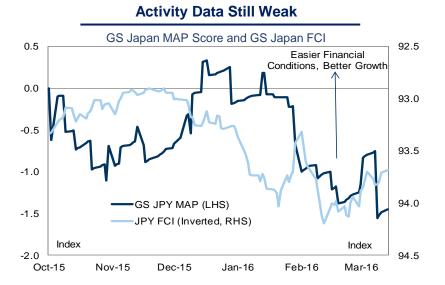
### **Steep Term Structure of Periphery Spreads**

Euro Area Core Periphery Spread and Germany 10 Year Yield

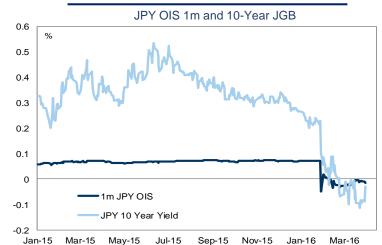


## Japan

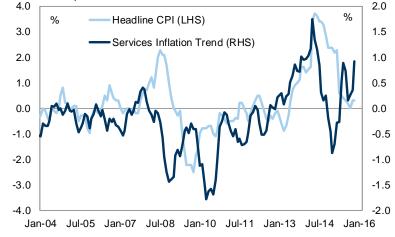
## Negative Rates Result in Tighter Financial Conditions



#### NIRP has Dragged JGBs Lower..



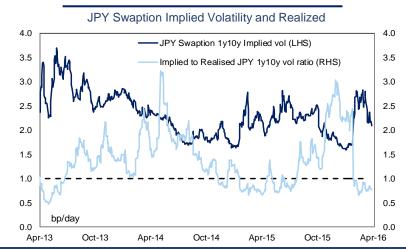
### 4.0



**Core Inflation Is Stabilizing** 

Japan Headline Inflation and Trend in Service Inflation

### ...And Led to an Increase in Market Volatility

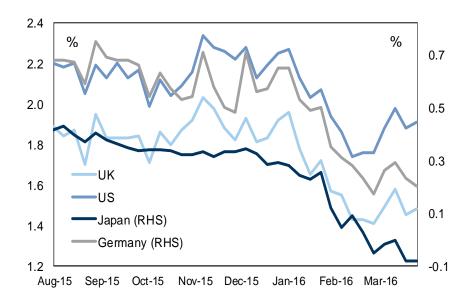


Goldman Sachs Global Investment Research Source: Bloomberg, Haver Analytics, Goldman Sachs Global Investment Research

## Japan in the 'Driving Seat' of Global Rate Rally



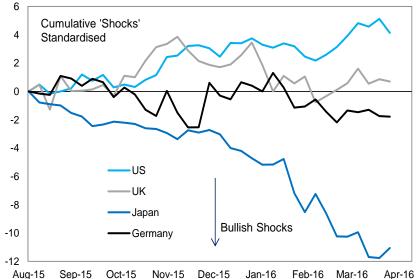
### Yields in G-4 Have Co-Moved Since the Start of Year



#### 10-yr nominal bond yields in G-4 countries

### JGBs have Been in the Driving Seat Since Last November

Idiosyncratic 'shocks' originating in each market, estimated through a methodology based on Rigobon (2003)

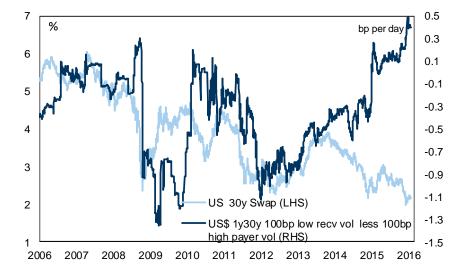


Source: Bloomberg, Haver Analytics, Goldman Sachs Global Investment Research

## **Investors Fear Further Bond Rally More than Selloff**

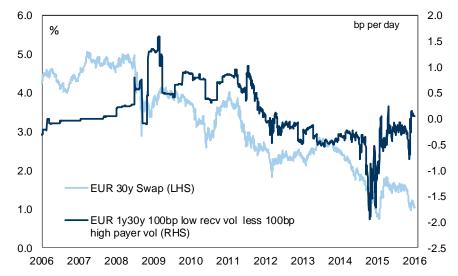


US\$ 30y swap plotted against 1y30y 100bp out-of-the-money low recv. vol less1y30y 100 bp out-of-the-money high payer vol



### ...Both in the US and the Euro area

EUR 30y swap plotted against 1y30y 100bp out-of-the-money low recv. vol less1y30y 100 bp out-of-the-money high payer vol



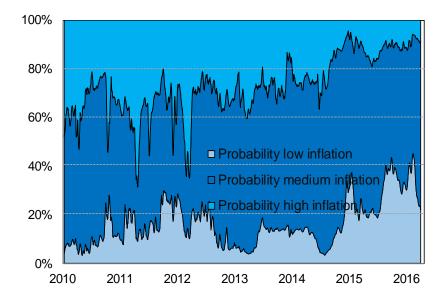
#### Source: Bloomberg, Goldman Sachs Global Investment Research

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## **The Market Prices Persistent Low-flation**

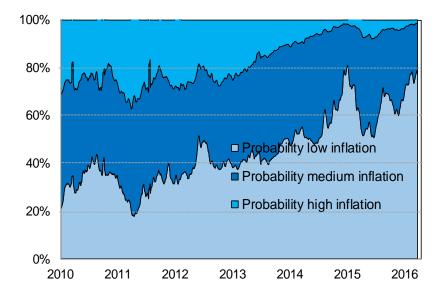


Option-implied probability distribution of 5-year inflation by strike 'clusters': low inflation (≤1%), medium, and high (≥3%)



### ...But Sees Very High Chance of Persistent Low-flation in the Euro area

Option-implied probability distribution of 5-year inflation by strike 'clusters': low inflation (≤1%), medium, and high (≥3%)



#### Source: Bloomberg, Goldman Sachs Global Investment Research

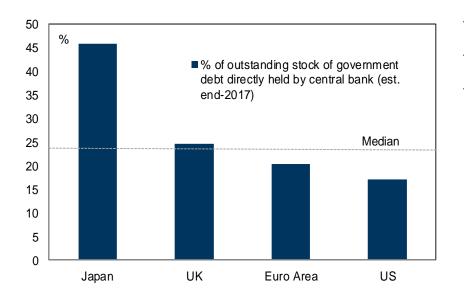


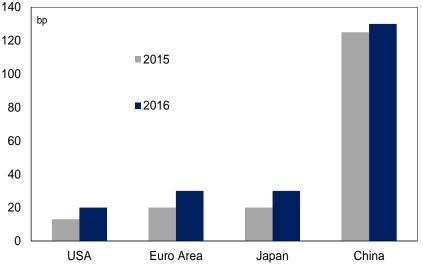
### Government Debt Moves onto Official Sector Balance Sheet

Central Bank Ownership of Government Debt as % of Stock Outstanding

### From 'End of Austerity' (2014-15) to Synchronous Modest Fiscal Expansion

Estimates of contribution of fiscal policy annual real GDP growth in selected countries





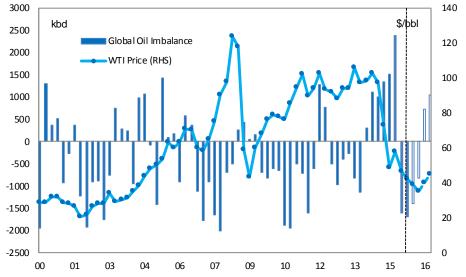
#### Source: Bloomberg, Goldman Sachs Global Investment Research

## **Global Risk Sentiment Sensitive to Oil Prices**

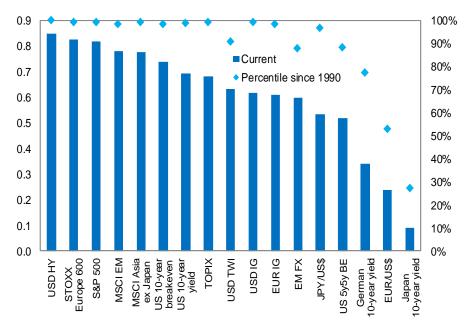
### Oil Market Imbalances to Narrow from H2-16 Onwards

### Broader Asset Classes Increasingly Correlated to Oil





#### 3m Rolling Absolute Correlation of Weekly Returns to WTI



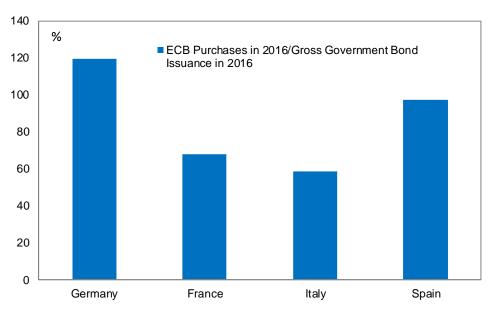
Source: IEA, EIA, JODI, China NBS, Datastream, Haver Analytics, Goldman Sachs Global Investment Research

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# The ECB Is Gluing EMU Bond Markets Together

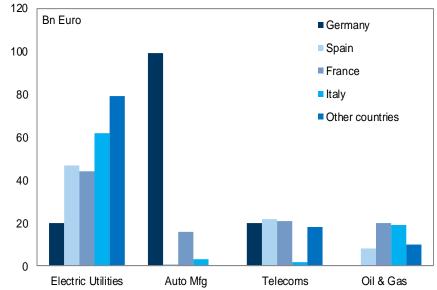


Estimated ECB purchases under PSPP for 2016 as percentage of gross bond issuance



### The Inclusion of Corporates Should Mitigate 'Scarcity' Issues

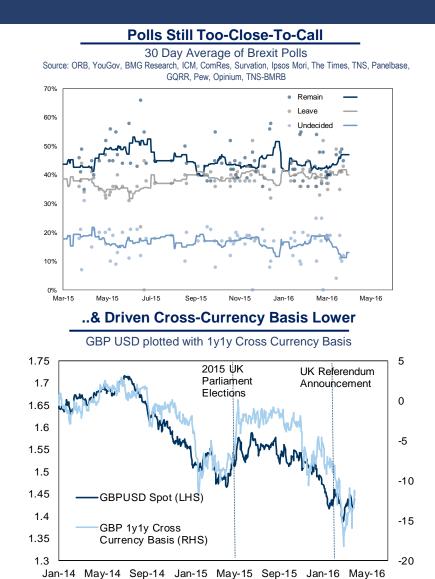




Source: Haver Analytics, Goldman Sachs Global Investment Research

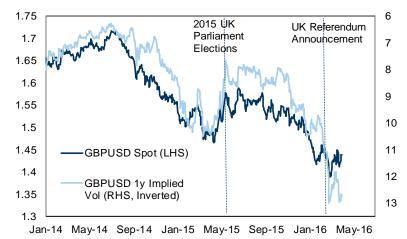
# 'Brexit' Risk For Now Mostly Limited to UK Assets



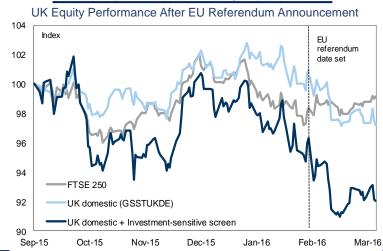


#### **Brexit Concerns have Increased GBP Vols**



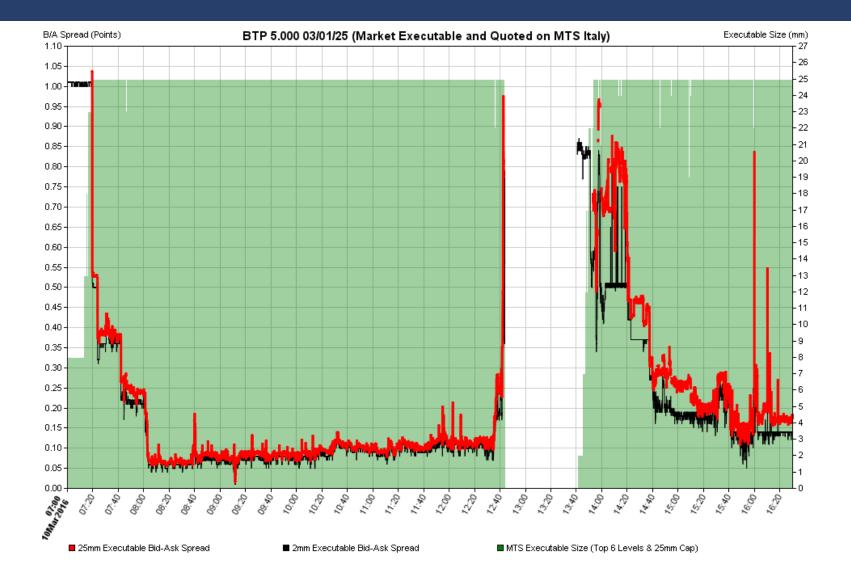


### UK Equities Are Pricing Brexit Risk



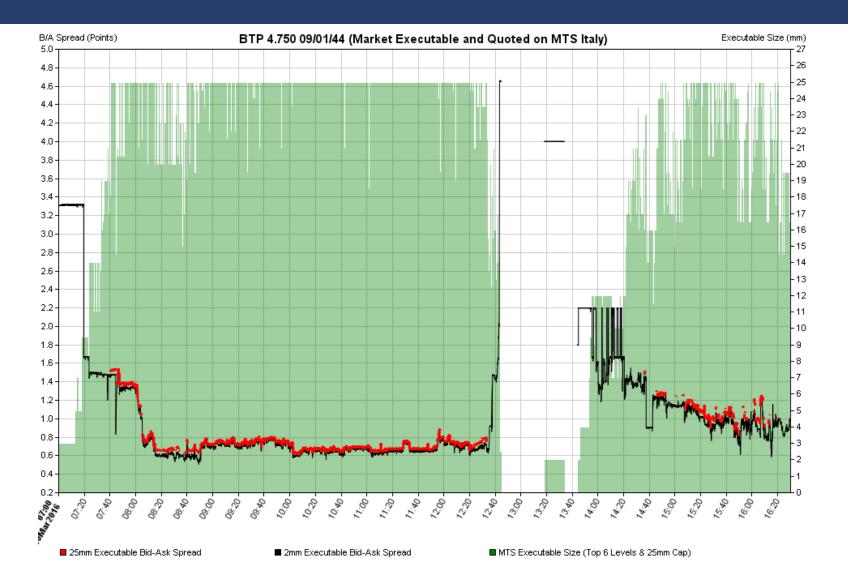
## **European Government Bond Liquidity** A Case Study of BTPs on ECB Meeting Day





## **European Government Bond Liquidity** A Case Study of BTPs on ECB Meeting Day







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