

# U.S. Recession Risk Monitor

January 2019

**Creating Opportunities** 

### **Highlights**

The probability of a recession steadies after sharp rise at the end of 2018

Financial markets adjusts to dovish monetary policy shift and stable growth outlook

- Fiscal policy risk increasing with divided White House and Congress
- Pressures on corporate spreads ease, as perception of near-term downside risks decline
- Economic fundamentals for households and financial institutions remain solid

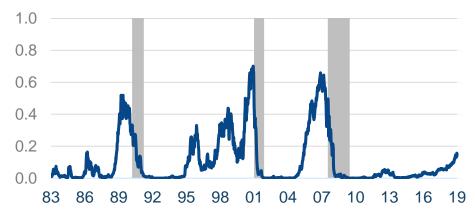
Uptick in global financial market stress



## **BBVA U.S. Recession Probability**

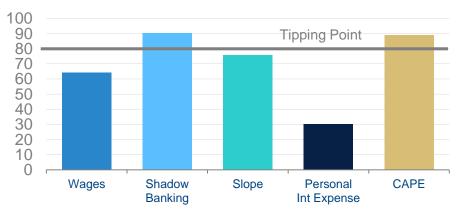
### **Treasury Spread Term-Premium Adjusted**

%, 12m-ahead



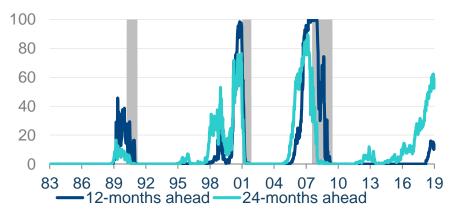
### **Risk Factors**

#### **Percentile Rank**



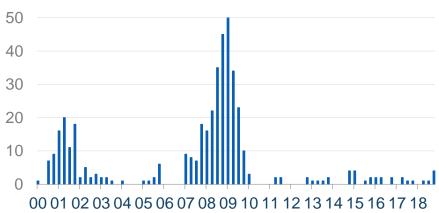
### **Recession Probability Factor**

%, 12-months & 24-months ahead



### **Regional Conditions**

# of States with greater than 50% probability



### **Recession Probability**

#### **Treasury Spread Model**



### **Credit Spread Model**

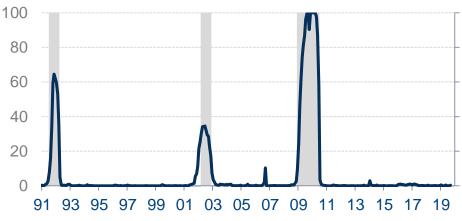
%, 12-months ahead



Source: BBVA Research, Federal Reserve Board, FRBNY, FRBSL, FRBP and Haver

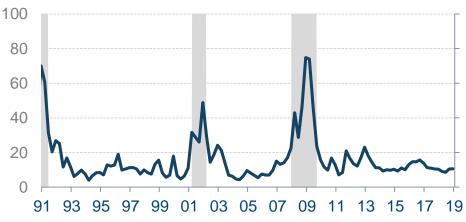
### **Dynamic-Factor Markov-Switching Model**

%, 12-months ahead



**Survey of Professional Forecasters** 

%, Decline in real GDP next quarter

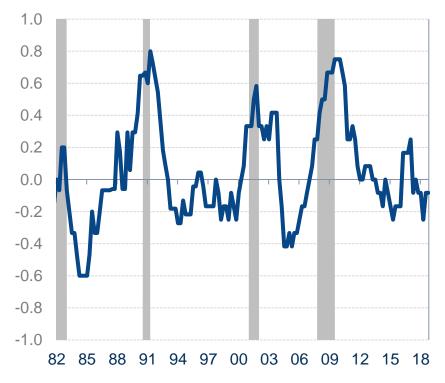


## **Credit Cycle and Recession Timing Indexes**

# Risk of systemic crisis remains low. No imminent risk of recession

#### **BBVA Credit Cycle Risk Index**

Above 0 = above average risk



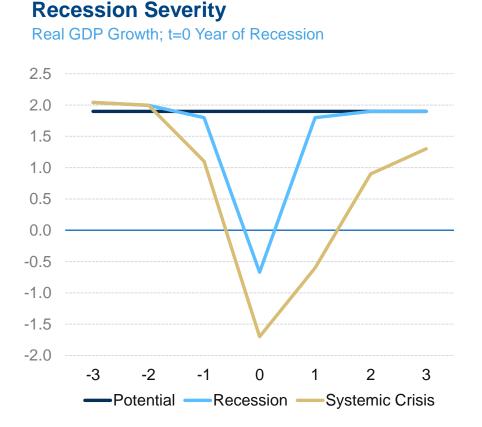
#### **BBVA Recession Timing Index**

1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 70 73 76 79 82 85 88 91 94 97 00 03 06 09 12 15 18

Above 0 = longer lag to recession

### **Scenarios**

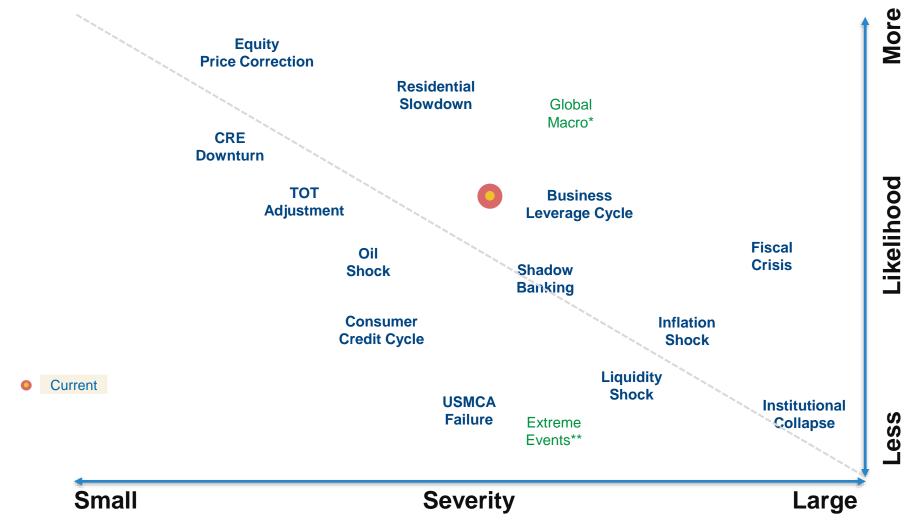
# A painfully slow U-shape recovery is more likely under less effective monetary and fiscal response



Outcome	Probability 2019-2021	t	t+1
No recession	60%	<b>2.1</b> (Baseline avg. 2019-21)	
Recession	40%	-0.7	1.8
Systemic crisis	4%	-1.7	-0.6

Source: BBVA Research

### **Risk Matrix**



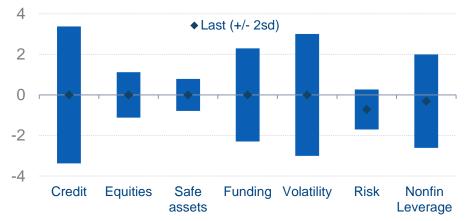
Source: BBVA Research; This assessment is not static and can change significantly depending on future developments

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

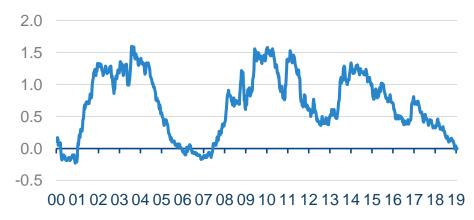
### **Financial Markets**

#### **Financial Stress Indicators**

>0 = tighter than average



#### Treasury Yield Curve 5Y Minus 2Y Basis points

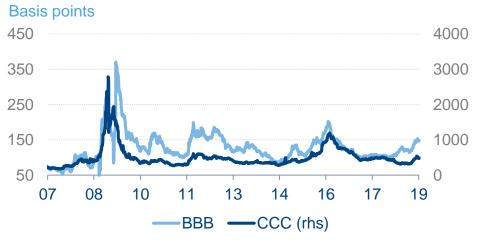


### **Financial Stress Index**

Above 0 = above average stress



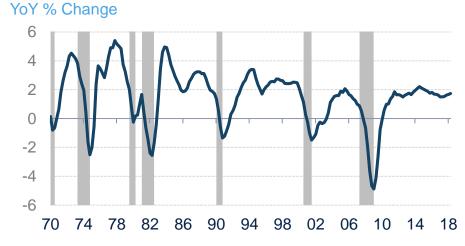
**Corporate Spreads** 



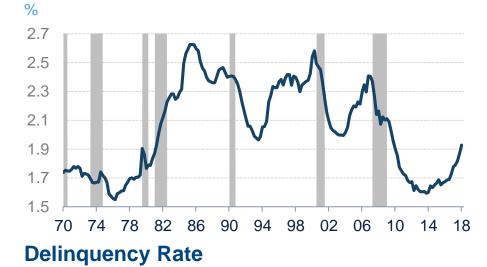
### Households

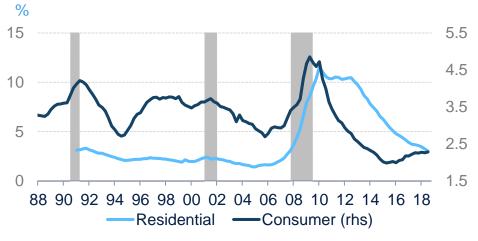
#### Ratio 1.5 1.3 1.1 0.9 0.7 0.5 86 98 82 90 94 02 06 10 14 18 70 78 74

### Nonfarm Payroll



#### Liabilities/Disposable Income Interest Payments/Personal Income





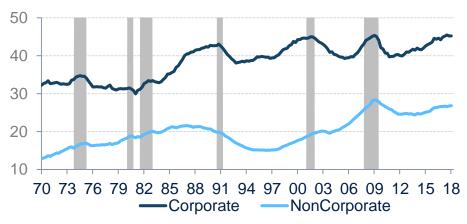
### **Businesses**

### **Nonfinancial Corporate Profits**

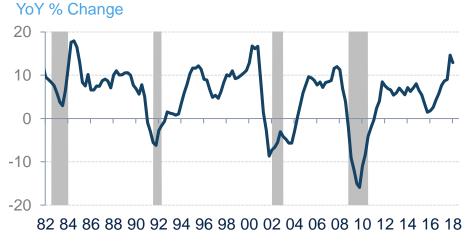


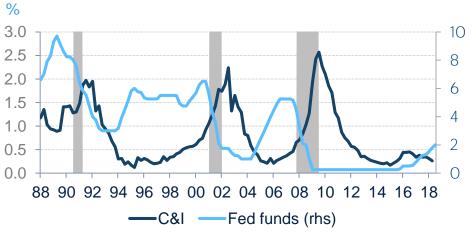
#### Nonfinancial Business Debt

% of GDP



### Nonfinancial Corporate Short-term Liabilities C&I Loan Charge-Off Rate & Fed Funds

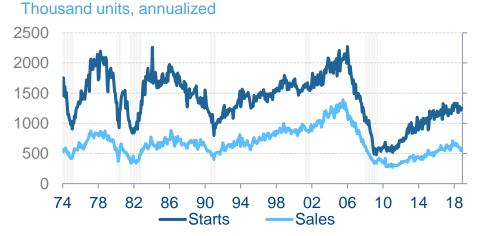




Source: BBVA Research, Federal Reserve, BEA and Haver

### **Real Estate**

#### **Housing Starts and New Home Sales**





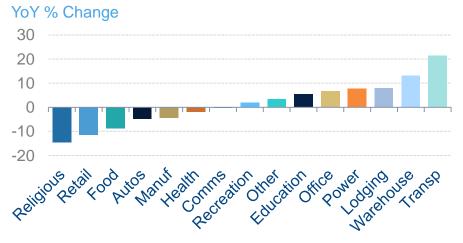


### **Housing Affordability and Prices**

Index and YoY % Change



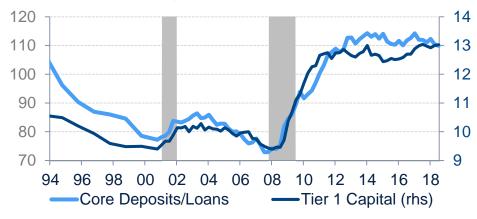
**Nonresidential Construction** 



### **Financial Sector**

#### **Deposits and Capital Ratios**

% of loans and assets, commercial banks



#### **Noncurrent Loans and Funding**

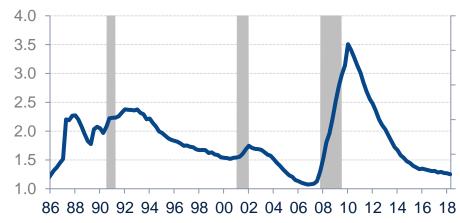
6.0 5.0 4.0 3.0 2.0 1.0 0.0 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18 Noncurrent Noncore funding (rhs)

% of loans and liabilities, , commercial banks

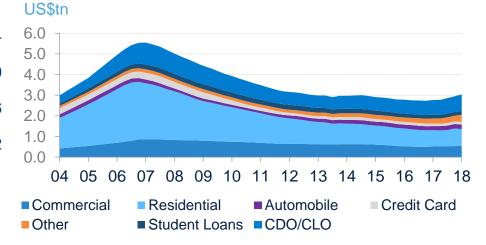
Source: BBVA Research, FDIC, Federal Reserve and Haver

#### Loan Reserves

% of total loans, all FDIC institutions



**Securitizations** 

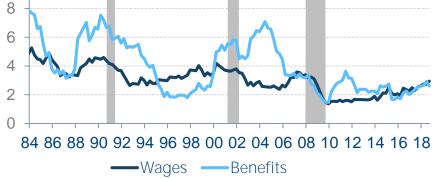


Excludes Agency MBS and CMO

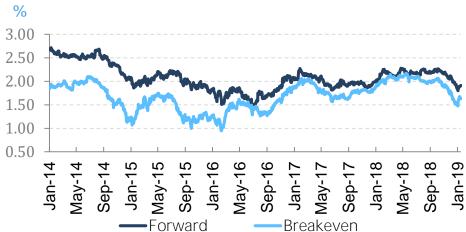
### **Prices**

### **Labor Costs**

YoY % Change, ECI

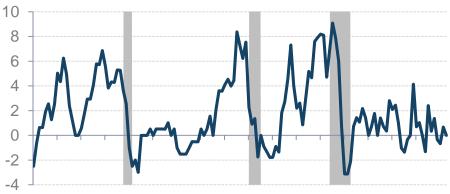


### **Market Inflation Expectations**



### Nonlabor Costs per Unit of Real GDP

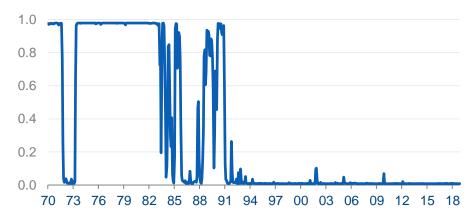
YoY % Change



84 86 88 90 92 94 96 98 00 02 04 06 08 10 12 14 16 18

### **BBVA Inflation Regime Probability**

Regime change low to high

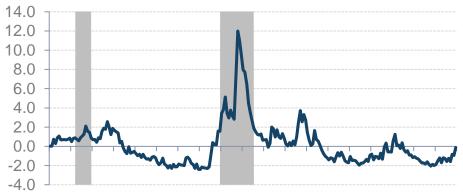


Source: BBVA Research, Bloomberg, BLS, BEA and Haver

## **Global Conditions**

### **Advanced Economies Financial Stress**

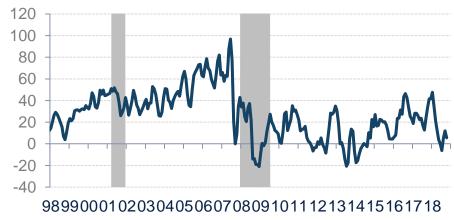
#### 0=Average Stress Level



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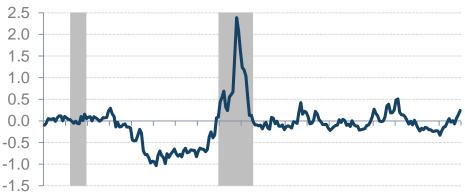
### **Net Foreign Purchases of U.S. Securities**

US\$bn, 3mma, excluding OFIs and Int'l organizations



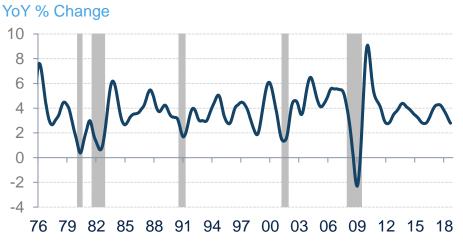
### **Emerging Markets Financial Stress**

0=Average Stress Level



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

**Global Activity Leading Indicator** 



### For more information

Recent economic briefs and presentations:

All things come to an end, but is the U.S. headed for recession?

Corporate debt in the twilight of the credit cycle

Just what the doctor ordered: real-time recession forecasts

Recession risk monitor 4Q18

Recession risk monitor December 2018

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