

# U.S. Economic Outlook March 2019

**Creating Opportunities** 

## GDP growth to slow to 2.5% in 2019, and 2.0% in 2020

- Model based recession probability reaching troubling levels, growth outlook also tilted to the downside
- Probability of Fed rate hike in 2019 diminished; balance sheet normalization to end in September
- Labor market signals remain mixed after government shutdown
- Core inflation stable, headline below 2.0% in 2019
- Yield curve inverting, signal distorted by structural changes
- Oil prices converging with long-term equilibrium around \$60/b

# **Economic activity**

### **Real-Time Economic Momentum Heat Map**

	3-months ago	2-months ago	1-month ago	Current
ISM Manufacturing				
Small Business Optimism				
Industrial Production				
IP-Manufacturing				
IP-Mining				
IP- Nonenergy High-Tech				
Capital Goods ex Aircraft				
Private Construction				
Building Permits				
Core Logic Home Prices				
Consumer Confidence				
Private Nonfarm Payrolls				
Prime-Age Participation				
Marginally Attached (PA)				
Average Hourly Earnings				
Real Disposable Income				
Personal Savings Rate				
Productivity				

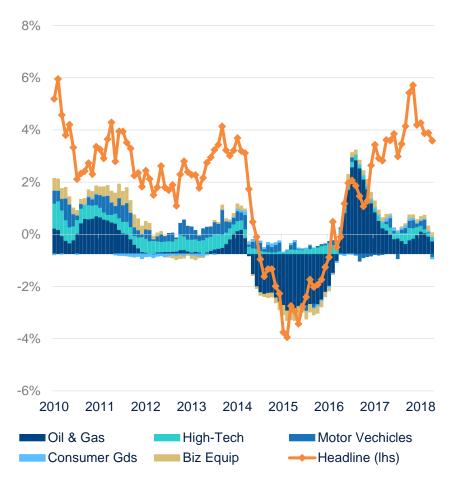
- ISM decelerating, but continues to signal expansion
- Small business concerns about rising cost of labor could presage turning point despite rebound in optimism
- Supply side conditions in housing sector recover after December slump
- Savings rebounds as year-end 2018 uncertainty encourages precautionary savings
- Labor productivity growth highest since 2015

Below Average Source BBVA Research Above Average

# Economic trends: Moderation continues in industrial activity, retail sales rebound from January slump

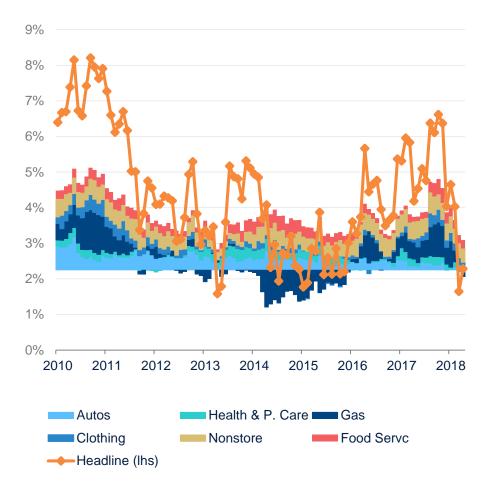
#### **Industrial Production**

(Year-over-year %)



#### **Retail Sales**

(Year-over-year %)



# Economic trends: Exchange rate pressures and weakening global growth momentum drag down exports

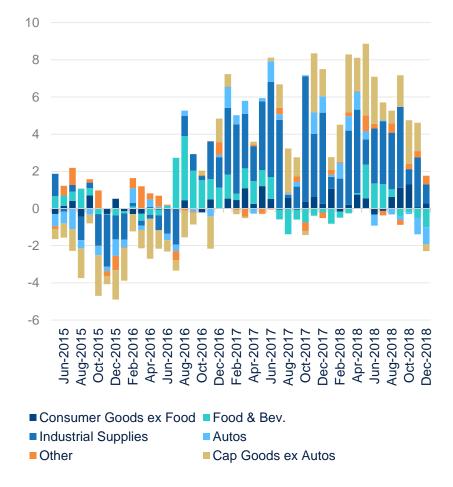
#### **Real Exchange Rate and Exports**

(Year-over-year %)



#### **Real Exports**

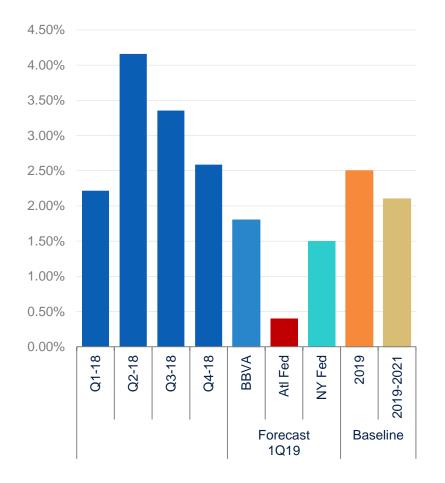
(Contribution to year-over-year %)



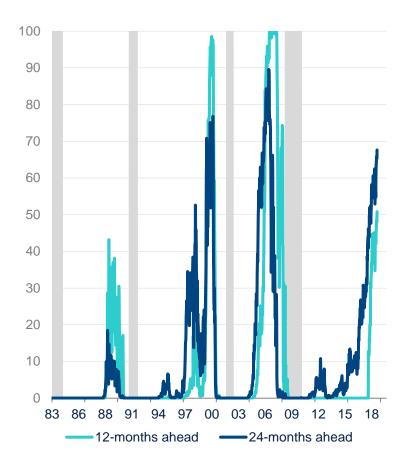
# Economic trends: Data revision implies much higher near-term recession risk: 50.7% in next 12-months



(QoQ SAAR, %)



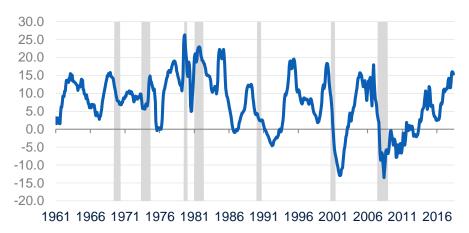
# Probability of Recession in 12 Months (%)

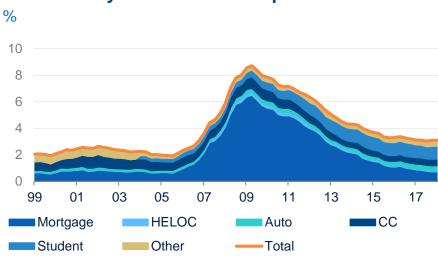


## Consumer credit cycle: Credit conditions ease despite higher levels of consumer leverage

#### **Personal Interest Expense**

Year-over-year %





# New 90+ Day Consumer Delinquencies Rates

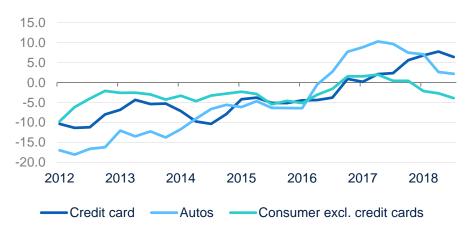
#### Personal Interest Expense to Disp. Income

Ratio. %



### **Senior Loan Officers Lending Standards**

#### + tightening / - loosening



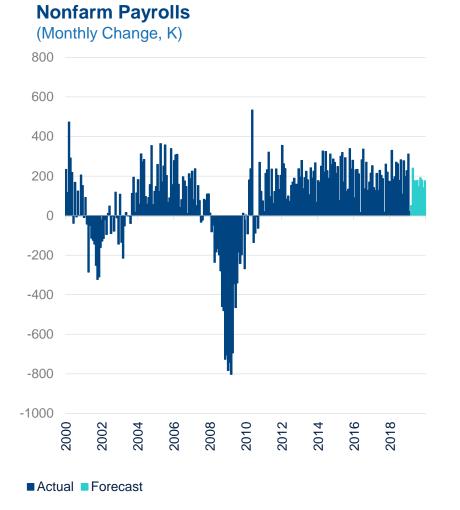
Source: BBVA Research, FRB, NY Fed & BEA

## **Labor Market**

In February, nonfarm payroll employment grew 20,000; down significantly from 311,000 in December

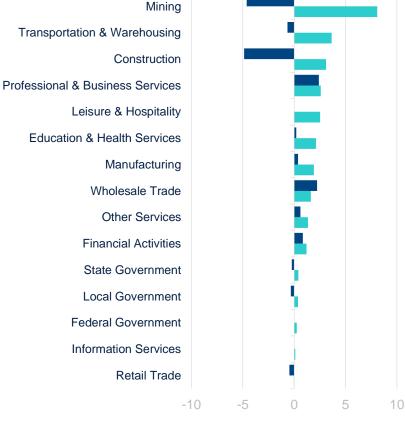
- Major industry weakness: construction (-31K), education (-18.7K), retail trade (-6.1K), transportation and warehousing (-3.0K), mining (-2.8K)
- The unemployment rate (UR) dropped to 3.8%, whipsawing as the impact from the government shutdown fades out of the data
- The labor force participation rate and employment-to-population remained unchanged at 63.2% and 60.7%, respectively
- We expect the UR to reach its low point in this business cycle soon (3.6%). Average monthly job growth to slow to 165K this year, from 223K in 2018

# Labor market: Volatile 1Q19 reports consistent with past government shutdowns



### Industry Employment

(Annualized % change)



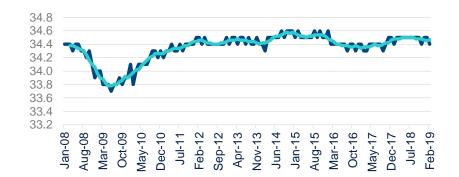
#### Monthly

Year-over-year

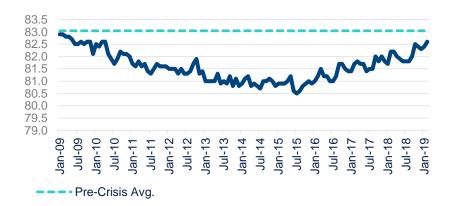
## Labor market: Wage pressures continue to rise, as slack diminishes

#### **Average Weekly Hours**

(number & 5mcma)



# **Prime Age Labor Force Participation** (%)



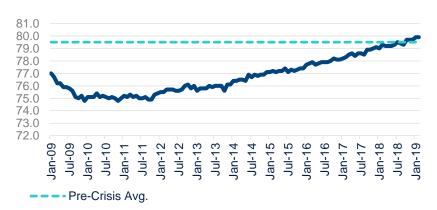
### **Average Hourly Earnings**

(YoY% & 5mcma)

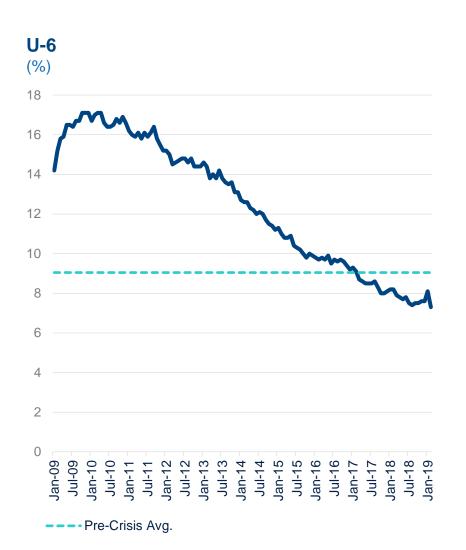


### Prime Age Employment-to-Population

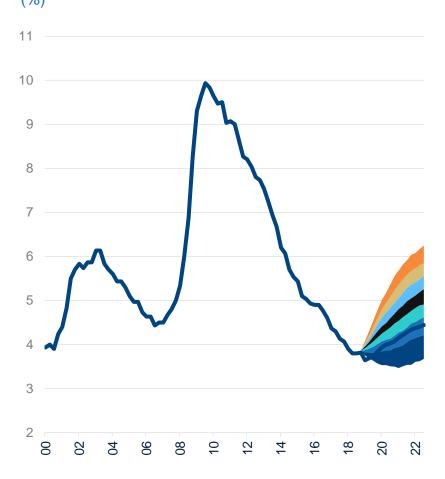
(%)



# Labor market: Indicators signal unemployment rate close to nadir



# Unemployment Rate (%)



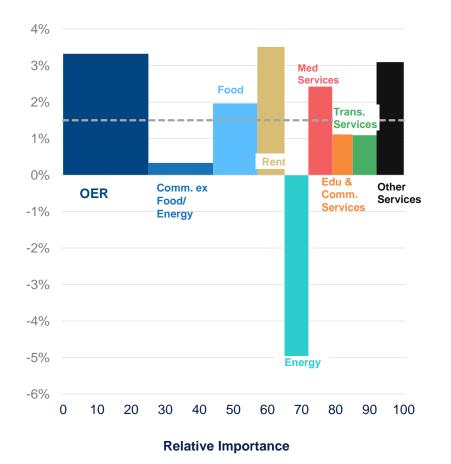
## Inflation

- Headline consumer price index (CPI) increased 0.2% MoM in February, as a rebound in owner equivalent rent (OER) offset declines in energy prices
- On a year-over-year basis, headline CPI decelerated to 1.5% while core remained stable at 2.1%
- The probability of entering high-inflation regime is nonexistent; deflation risks are also low
- Implied 5-year spot and forward inflation expectations have stabilized at or slightly below 2.0%
- Baseline assumes headline inflation to decelerate to 1.7% in 2019, before rebounding in 2020; core inflation to average 2.1% in 2019

# Inflation: Drop in energy prices offset by rising OER and rental prices

### **Consumer Price Inflation**

(12m change)



# **Core Inflation Measures** (12m change)

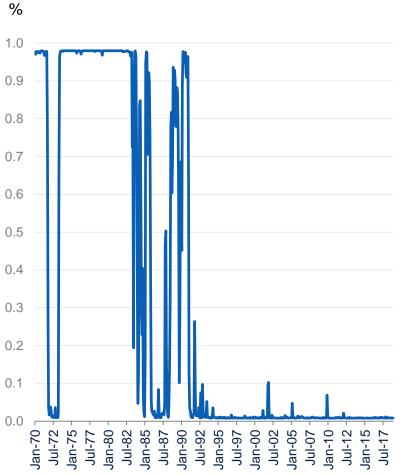


# Inflation: Concerns shifting to lack of inflationary pressures, as inflation headwinds build in 1Q19

### 0.8 0.6 0.4 0.2 0 -0.2 70 74 78 82 86 90 94 98 02 06 10 14 18 - Core PCE Low Inflaiton Regime High Inflaiton Regime

**Core PCE Price Index & Inflation Regimes** 

### Inflation Regime Change Probability



Month-over-month %

# Inflation: Modest undershoot for headline in 2019, core to decelerate throughout the year

### **Inflation Expectations** (%) 3.5% 3.0% 2.5% 2.0% 1.5% 1.0% 0.5% 0.0% 12 13 14 15 16 17 18 10 11 5Y Implicit —5Y Forward

### Headline & Core CPI

(Year-over-year %)



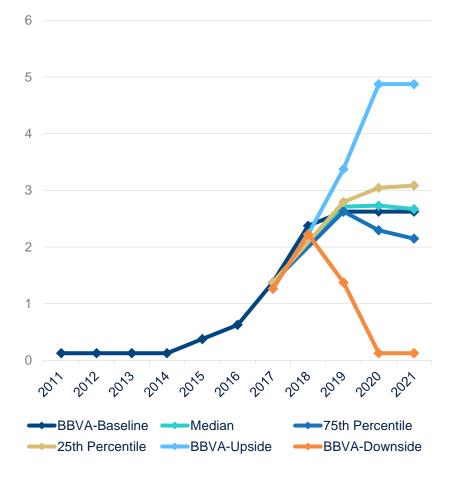
Source: BBVA Research & Haver Analytics

### **Monetary Policy: Federal Reserve**

- At the March meeting, the Fed left rates unchanged, maintained their patient bias and strengthened their dovish signal with the dramatic downshift in path of Fed Funds rate
- End to Balance Sheet Normalization (BSN) in September and a slight adjustment to the caps on Treasury securities between May and September
- BSN: For a time, Fed plans to hold the size of the portfolio constant, allowing for a more gradual decline in reserves. At the end of normalization the portfolio would be around 17% of GDP, or \$3.5 trillion to \$3.8 trillion
- BSN: In the short term, the Fed will reinvest proceeds from its MBS portfolio into Treasuries that will roughly match the maturity distribution of outstanding Treasury debt; no commitment to a specific composition in the long run
- Possibility of rate increase in 2019 diminished after March meeting

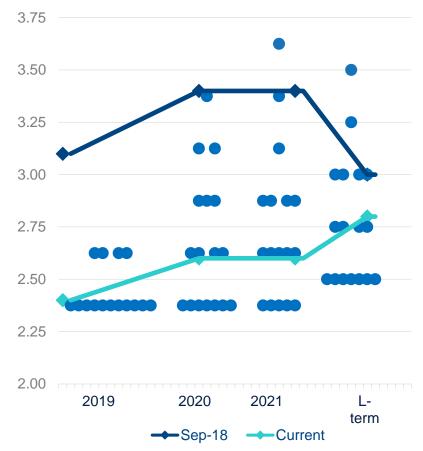
# Fed: Dramatic shift in Fed projections suggests possibility of no rate increases in 2019

# **BBVA & Dealers Projections of Fed Funds** (%, Effective)



### FOMC Projections of Fed Funds

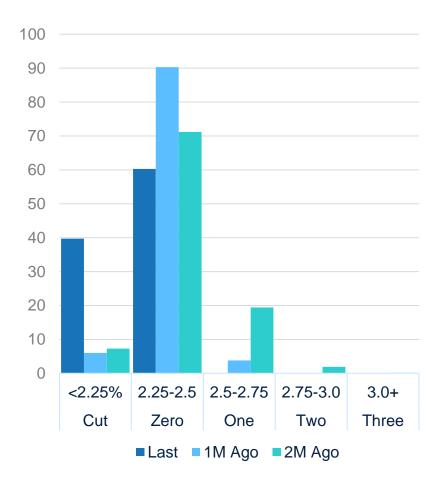
(Year-over-year %, Mid-point)



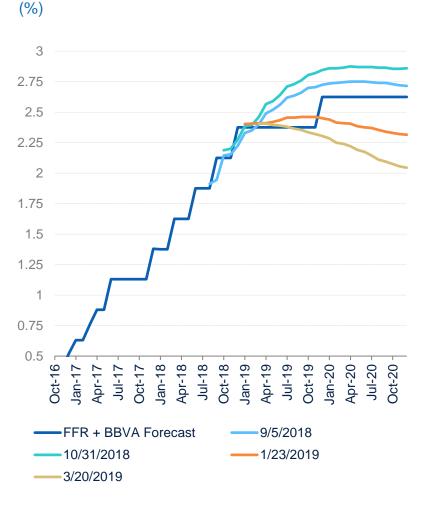
## Monetary policy: Markets almost fully priced in rate cut in 2020

#### Fed Funds Implied Probability

(Number of rate increases through 2019, %)



### Fed Funds Futures & BBVA Baseline



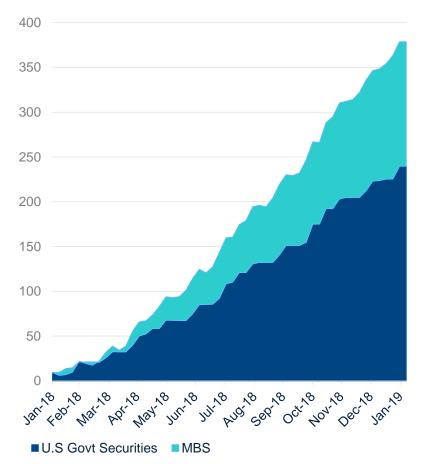
# Monetary Policy: Fed announces end of Balance Sheet normalization in September; terminal size of portfolio at \$3.5 to \$3.8 Trillion

### Fed Funds & Repo Rates



### **Balance Sheet Attrition**

(US\$bn, Cumulative)



### **Interest Rates**

10-yr Treasury at 2.46%, 80bp below 4Q18 peak,
2-yr Treasury 65bp below peak at 2.33%

Dramatic shift in Fed's balance sheet strategy and the U-turn on their guidance for policy rates suggests further compression in the term premium in medium-term, shift in the level and narrowing of slope

Rising global uncertainty and dovish monetary policy abroad could add to the compression on the term premium, meaning a flatter-for-longer scenario for the yield curve and potential for full inversion

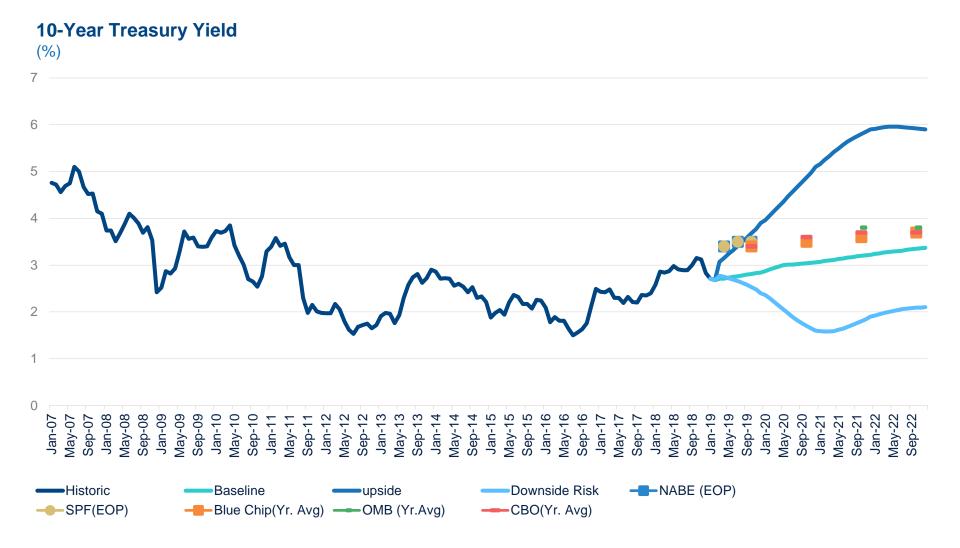
Central bank balance sheet expansion and changes in savings preferences could distort interpretation of yield curve inversion

10-yr Treasury to reach 2.8% by end of 2019, downside risks growing

# Interest rates: Risk aversion and savings preferences lowering term premium, decompression unlikely in short-term

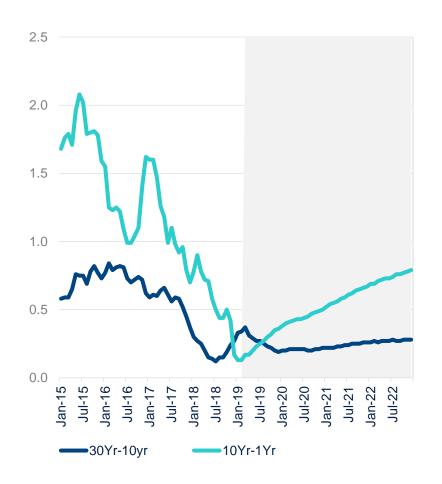


## Interest rates: 10-year yields to remain lower for longer



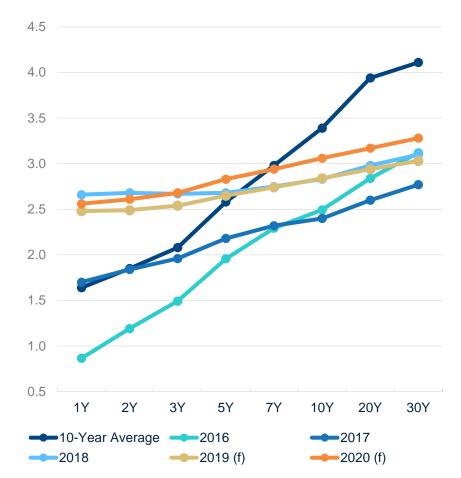
# Interest rates: Yield curve slope edging closer to full inversion. Structural changes distort traditional inversion signal

# Yield Curve Slope (Bp)



# Yield Curve

(%, eop)

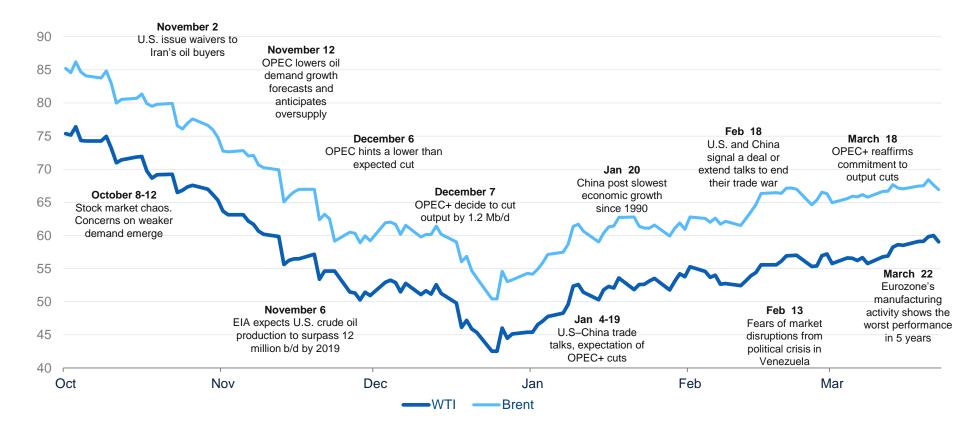


### **Oil Prices**

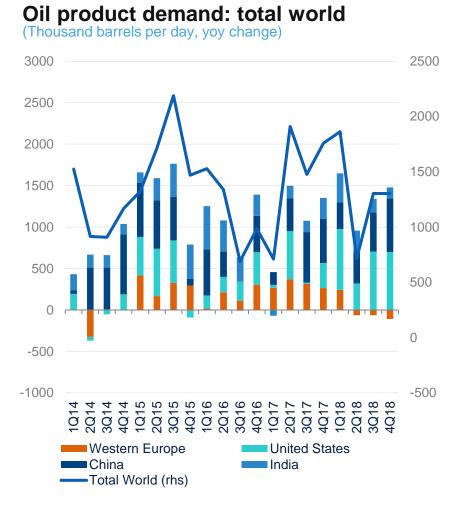
- OPEC+ cuts are tightening the market and driving up prices. The deal could be extended throughout the entire year
- Sanctions to Venezuela and Iran could tighten supply further. However, OPEC has significant spare capacity to offset upward price pressures
- In 2019, U.S oil production will expand 1 million b/d while substantial transportation capacity will be added
- Our prospects for lower prices in 2H19 and 2020 assume slower global growth. Crude oil demand is contracting in Europe but remains supportive in U.S. & Asia
- We maintain our view of convergence to long-term equilibrium of around \$60/b
- Elevated uncertainty around long-term equilibrium: CAPEX, protectionism, transportation infrastructure, alternative energy sources, EM convergence, EVs, climate change, efficiency and technology

# Oil Prices: Concerns on global economic outlook keep prices contained despite OPEC+ output cuts

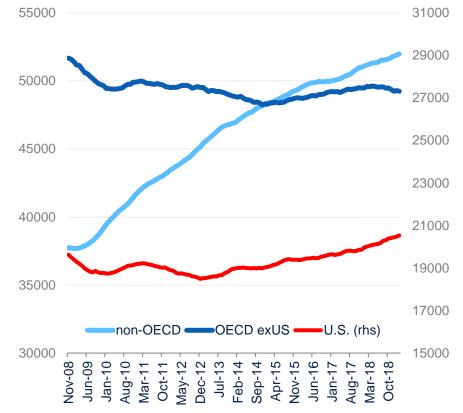
# Crude oil prices October 2018 to March 2019 (\$ per barrel)



# Consumption: Demand has declined in Europe, but remains supportive in China, India and the U.S.

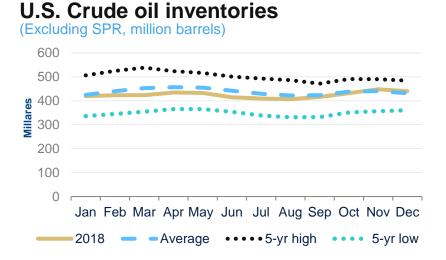


#### Oil product demand (Million barrels per day)

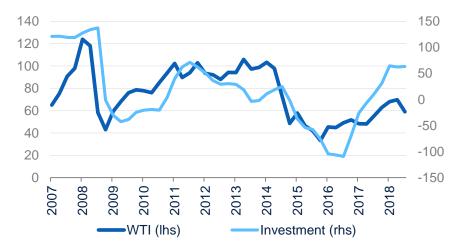


Source: BBVA Research and Haver Analytics

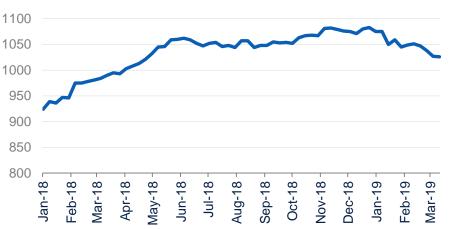
## U.S. production: output remain solid despite decline in rig count



# U.S. Real private investment in E&P (yoy \$billion )



U.S. Active Rig Count (units)



### **U.S. Estimated crude oil production**

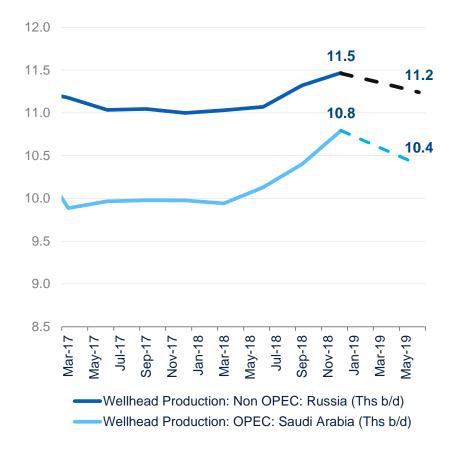
(Thousand barrels/day)



# OPEC+ supply: Adjustments and U.S. sanctions to Iran and Venezuela will tighten supply throughout 1H19

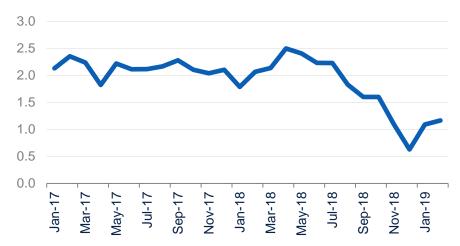
### **Crude oil production**

(Million barrels per day)

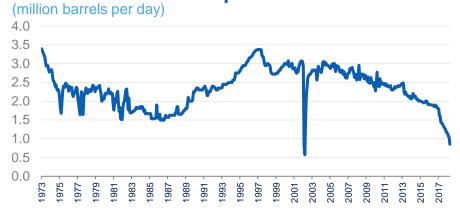


### Iran: exports of crude oil

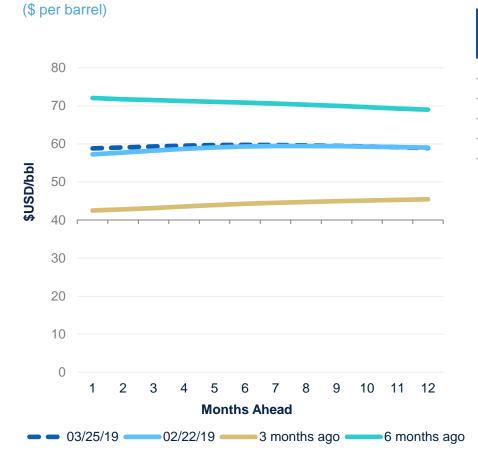
(million barrels per day)



### Venezuela: crude oil production



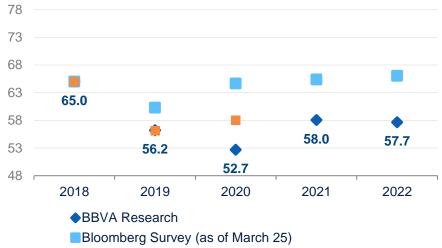
# Forecasts: WTI prices could linger between upper \$50s and lower \$60s in 2019, but will decelerate in 2020; convergence to long-term equilibrium around \$60/b



### WTI prices forecast

(\$ per barrel)

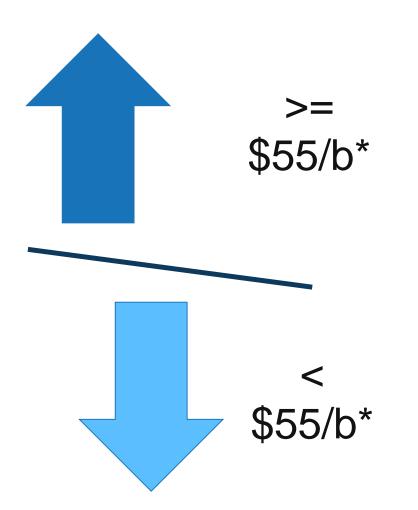
	BBVA Research	Bloomberg Survey (as of March 25)	EIA (STEO, Mar 12.)
2017	50.8	50.9	50.9
2018	65.0	65.0	65.0
2019	56.2	60.3	56.1
2020	52.7	64.6	58.0
2021	58.0	65.4	
2022	57.7	66.1	



EIA (STEO, Mar 12.)

WTI Futures

## Uncertainty: Short-term risks tilted to the downside



- OPEC+ expands output deal to 2H19
- Oil waivers to importers of Iranian oil expire and are not renewed
- Additional negative supply shocks (e.g. Venezuela, Libya, Nigeria)
- Consistent signs of progress in trade negotiations between the U.S. and China
- Milder-than-expected deceleration of global demand
- Takeaway issues preventing U.S. crude to reach global markets
- Weaker global economic outlook
- Persistent deadlock in trade talks between U.S. and China
- Dollar appreciation
- President Trump's pressure on OPEC
- Limited enforcement of Iranian sanctions
- Higher-than-expected crude oil production in the U.S.

## **Macroeconomic Outlook**

	2011	2012	2013	2014	2015	2016	2017	2018	2019 (f)	2020 (f)	2021 (f)	2022 (f)
Real GDP (% SAAR)	1.6	2.2	1.8	2.5	2.9	1.6	2.2	2.9	2.5	2.0	1.9	1.8
Real GDP (Contribution, pp)												
PCE	1.3	1.0	1.0	2.0	2.5	1.9	1.8	1.8	2.0	1.5	1.3	1.2
Gross Investment	0.9	1.6	1.1	0.9	0.8	-0.2	0.8	1.1	0.9	0.8	0.9	0.9
Non Residential	1.0	1.2	0.5	0.9	0.3	0.1	0.7	1.0	0.8	0.7	0.8	0.7
Residential	0.0	0.3	0.3	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Exports	0.9	0.5	0.5	0.6	0.1	0.0	0.4	0.5	0.4	0.6	0.7	0.7
Imports	-0.9	-0.5	-0.3	-0.9	-1.0	-0.3	-0.8	-0.8	-0.9	-0.9	-0.9	-1.0
Government	-0.7	-0.4	-0.5	-0.2	0.3	0.3	0.0	0.3	0.3	0.1	0.0	0.0
Unemployment Rate (%, average)	8.9	8.1	7.4	6.2	5.3	4.9	4.4	3.9	3.7	4.0	4.2	4.4
Avg. Monthly Nonfarm Payroll (K)	173	181	192	251	227	193	179	223	165	160	135	113
CPI (YoY %)	3.1	2.1	1.5	1.6	0.1	1.3	2.1	2.4	1.7	2.1	2.0	2.1
Core CPI (YoY %)	1.7	2.1	1.8	1.8	1.8	2.2	1.8	2.1	2.1	1.9	2.0	2.0
Fiscal Balance (% GDP, FY)	-8.4	-6.8	-4.1	-2.8	-2.4	-3.2	-3.5	-4.0	-4.2	-4.2	-4.2	-4.7
Current Account (bop, % GDP)	-2.9	-2.6	-2.1	-2.1	-2.2	-2.3	-2.3	-2.4	-2.8	-2.9	-3.0	-3.1
Fed Target Rate (%, eop)	0.25	0.25	0.25	0.25	0.50	0.75	1.50	2.50	2.75	2.75	2.75	2.75
Core Logic National HPI (YoY %)	-2.9	4.0	9.7	6.8	5.3	5.5	5.9	5.8	4.9	4.2	3.9	3.6
10-Yr Treasury (% Yield, eop)	1.98	1.72	2.90	2.21	2.24	2.49	2.40	2.83	2.84	3.06	3.22	3.37
WTI Oil Prices (dpb, average)	94.9	94.1	97.9	93.3	48.7	43.2	50.9	65.0	56.3	52.7	58.0	57.7

Source: BBVA Research \*Forecasts subject to change

# **Economic Scenarios**

Probability (%)	Current	Previous		
Upside	2	5		
Baseline	55	55		
Downside	43	40		

	Macro Scenarios										
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
GDP		2.5	2.9	1.6	2.2	2.5	2.5	2.0	1.9	1.8	1.8
	Upside						3.0	3.2	3.1	2.7	2.7
	Downside						0.7	-0.9	1.9	2.1	2.3
UR		6.2	5.3	4.9	4.4	3.8	3.7	4.0	4.2	4.4	4.5
	Upside						3.5	2.9	2.9	3.0	3.0
	Downside						4.5	6.2	6.6	5.7	5.0
СРІ		1.6	0.1	1.3	2.1	1.7	1.7	2.1	2.1	2.1	2.1
	Upside						2.0	3.3	3.6	3.8	3.9
	Downside						0.9	0.8	1.1	1.3	1.4
Fed [eop]		0.25	0.50	0.75	1.50	2.75	2.75	2.75	2.75	2.75	2.75
	Upside						3.50	5.00	5.00	5.00	5.00
	Downside						1.50	0.25	0.25	0.25	0.25
10-Yr [eop]		2.21	2.24	2.49	2.4	2.87	2.84	3.06	3.22	3.37	3.48
	Upside						3.90	5.10	5.90	5.90	5.90
	Downside						2.40	1.60	1.90	2.10	2.10

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