

# U.S. Economic Outlook April 2019

**Creating Opportunities** 

- GDP growth 2.5% in 2019, and 2.0% in 2020
- Model based recession probability above 50%
- Probability of Fed rate hike in 2019 diminished; quantitative tightening end in September
- Labor market stabilizes after whipsawing
- Core inflation stable, headline below 2.0% in 2019
- Short-lived technical yield curve inversion, but signaling power altered by structural changes
- Geopolitics pressuring oil prices; short-term risks tilted to the upside

Residual seasonality, government shutdown & consumption headwinds underlie our 1Q19 growth forecasts of 1.8%

- Rebound in job creation amid solid wage growth and low borrowing costs will continue supporting private consumption
- Export balance unlikely to worsen dramatically from year-end 2018 levels due to easing of trade tensions, stable dollar, reduced global headwinds and lower domestic consumption
- Hard and soft indicators suggests moderate growth in investment despite tepid outlook for residential and nonresidential structures

Boost from fiscal stimulus should remain in place in 1H19; impetus to fade in 2H19 if no additional measures taken

## **Economic activity**

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

SM Manufacturing Small Business Optimism		
Small Business Optimism		
ndustrial Production		
P-Manufacturing		
P-Mining		
P- Nonenergy High-Tech		
Capital Goods ex Aircraft		
Private Construction		
Building Permits		
Core Logic Home Prices		
Consumer Confidence		
Private Nonfarm Payrolls		
Prime-Age Participation		
Iarginally Attached (PA)		
Average Hourly Earnings		
Real Disposable Income		
Personal Savings Rate		
Productivity		

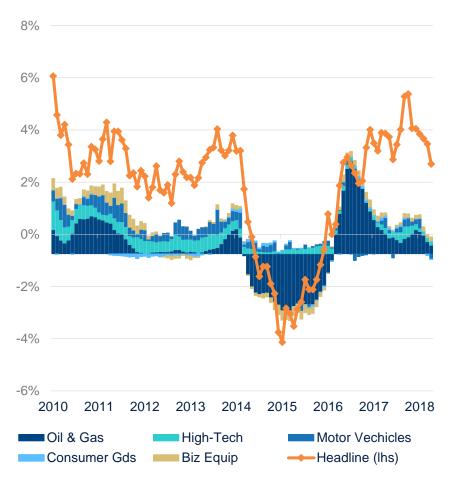
- While industrial indicators still signal expansion, momentum slowing
- Pause in interest rate increases supporting demand-side housing market conditions
- Nonfarm productivity accelerating despite stagnant productivity growth in manufacturing sector
- Market volatility and financial tightening weighing on small business confidence
- Wage momentum slowed despite tight labor market conditions

Below Average Source BBVA Research Above Average

# Economic trends: Disparate trends in industrial activity and consumer spending

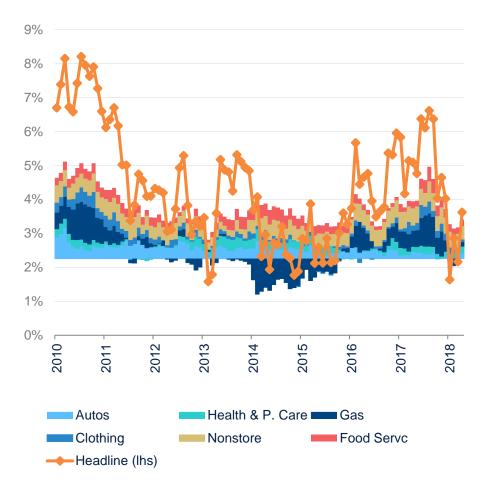
#### **Industrial Production**

(Year-over-year %)



#### **Retail Sales**

(Year-over-year %)



# Economic trends: Stable exchange rate and less downbeat global outlook support rebound in exports

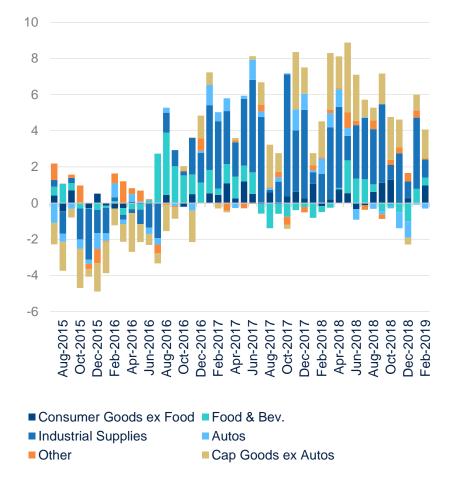
#### **Real Exchange Rate and Exports**

(Year-over-year %)



#### **Real Exports**

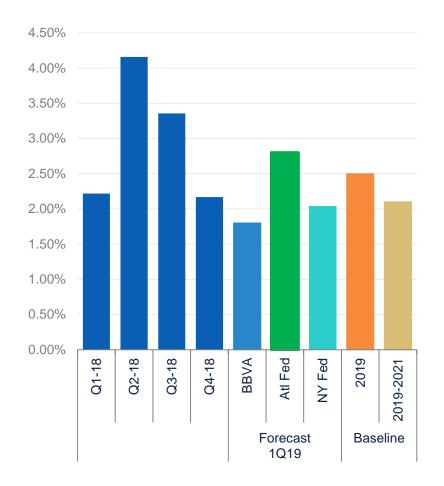
(Contribution to year-over-year %)



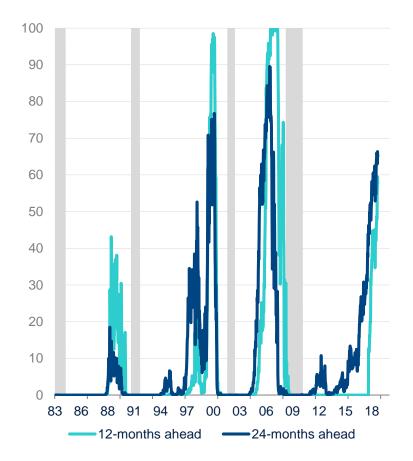
# Economic trends: Moderate growth in 1Q19, model-based recession projections remain above 50%

#### **Real GDP**

(QoQ SAAR, %)



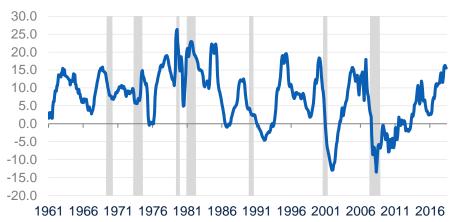
# Probability of Recession in 12 Months (%)

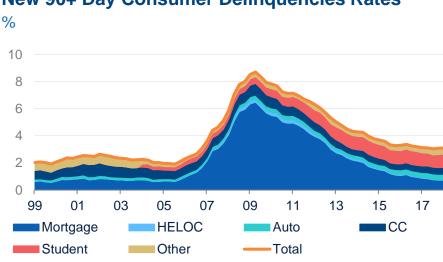


# Consumer credit cycle: Consumer leverage growing, but risks remain muted relative to previous cycles

#### **Personal Interest Expense**

#### Year-over-year %





## New 90+ Day Consumer Delinquencies Rates

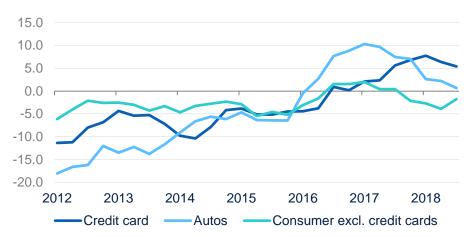
#### Personal Interest Expense to Disp. Income

Ratio, %



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

#### + tightening / - loosening



Source: BBVA Research, FRB, NY Fed & BEA

### **Labor Market**

In March, nonfarm payroll employment grew 196,000; a nontrivial rebound from February (33,000)

- Major industry strengths included health care and social assistance (61K), professional and business services (37K), and leisure and hospitality (33K).
- The unemployment rate (UR) held steady 3.8% while average hourly earnings grew 3.2% year-over-year
- The labor force participation rate and employment-to-population edged down to 63.0% and 60.6%, respectively
- We expect the UR to reach its low point in this business cycle soon (3.6%). Average monthly job growth to slow to 173K this year, from 223K in 2018

# Labor market: After whipsawing as a result of government shutdown payrolls stabilize

#### (Monthly Change, K) 800 600 400 200 0 -200 -400 -600 -800 -1000 2000 2018 2002 2016 2004 2006 2008 2010 2012 2014 Actual Forecast

#### Industry Employment

(Annualized % change)



#### Monthly

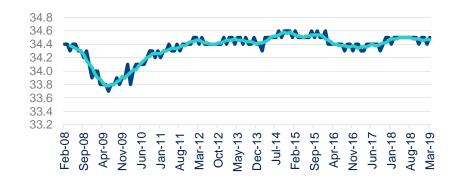
Year-over-year

**Nonfarm Payrolls** 

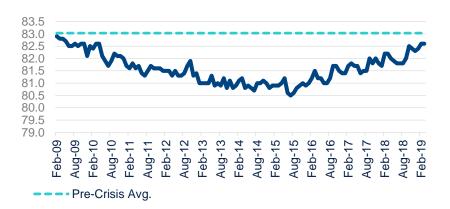
# Labor market: Strong labor market conditions persist in spite of slower wage growth

#### **Average Weekly Hours**

(number & 5mcma)

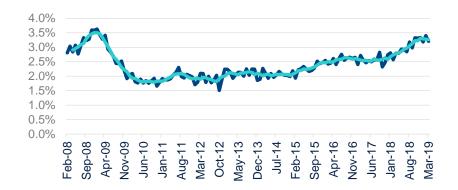


# **Prime Age Labor Force Participation** (%)



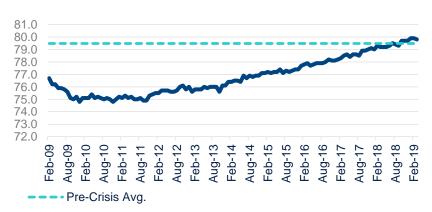
#### **Average Hourly Earnings**

(YoY% & 5mcma)

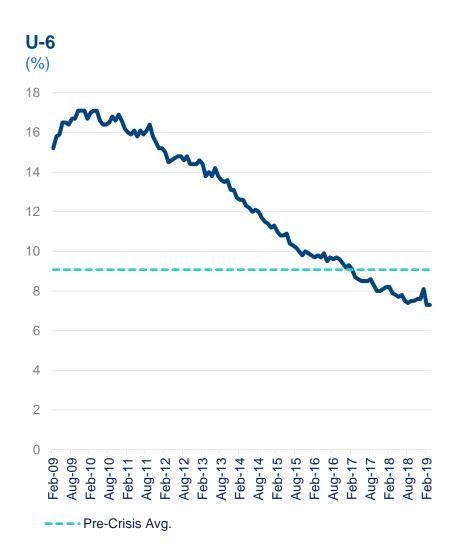


### Prime Age Employment-to-Population

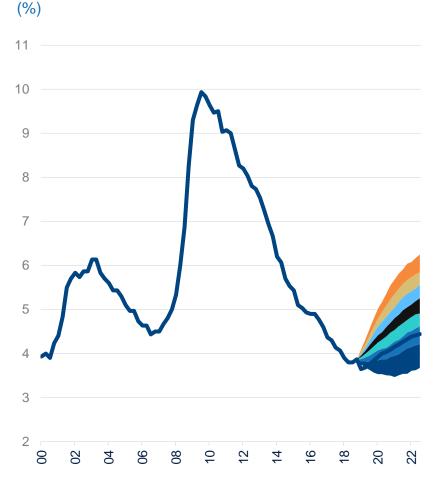
(%)



# Labor market: Outlook for U.S. economy continues to imply further declines in UR despite low level



**Unemployment Rate** 



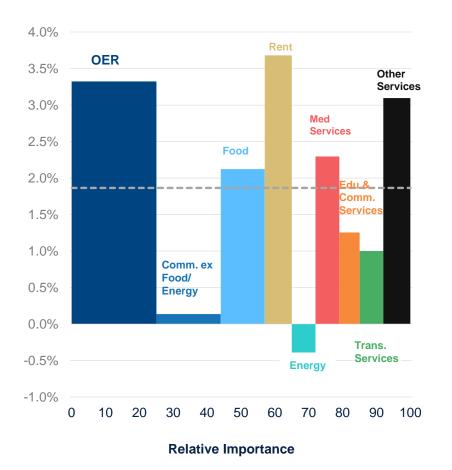
### Inflation

- Headline consumer price index (CPI) increased 0.4% MoM in March with a nontrivial rebound in energy prices
- On a year-over-year basis, headline CPI increased 1.8% while core decelerated to 2.0%
- 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 2.0%
- Baseline assumes average headline inflation to decelerate to 1.8% in 2019, before rebounding in 2020; core inflation to average 2.0% in 2019

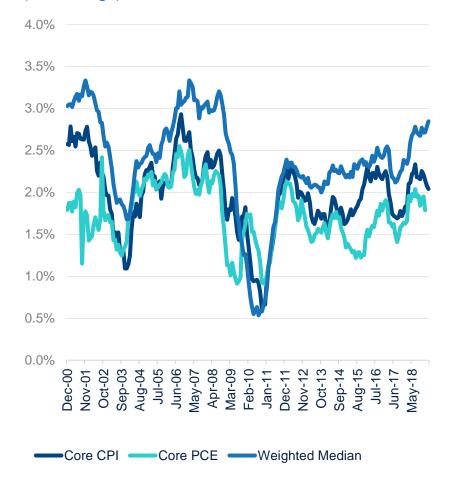
# Inflation: Rebound in energy prices lifts headline CPI, core inflation subdued

#### **Consumer Price Inflation**

(12m change)



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



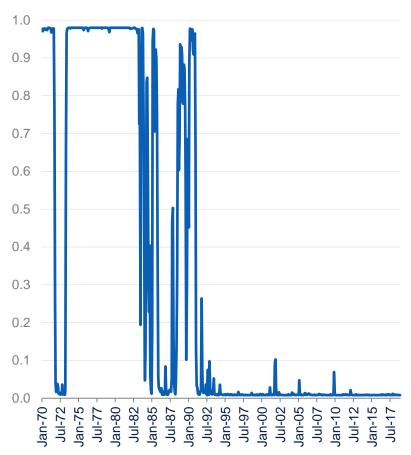
# Inflation: Lack of inflationary pressures bigger concern, but deflation risk minimal

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

**Core PCE Price Index & Inflation Regimes** 

#### Inflation Regime Change Probability





Month-over-month %

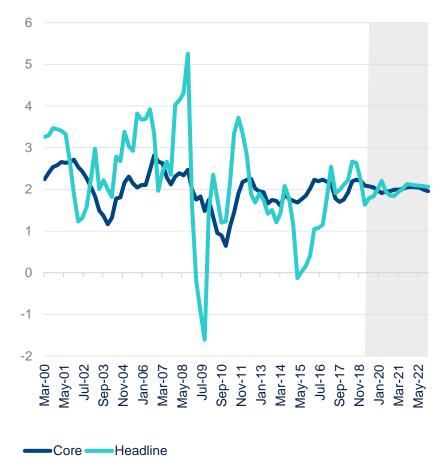
# Inflation: Modest undershoot for headline in 2019, core prices to remain low and stable

# Inflation Expectations (%)



#### Headline & Core CPI

(Year-over-year %)

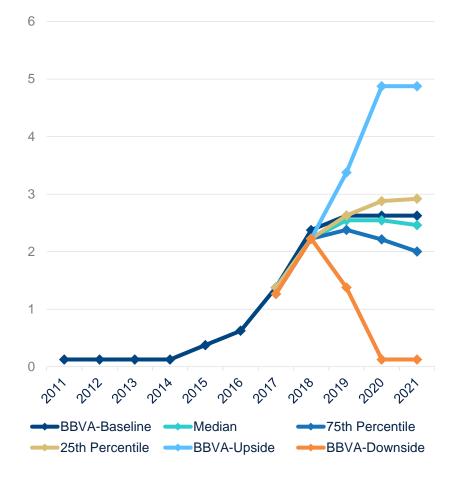


### **Monetary Policy: Federal Reserve**

- Fed to keep interest rates unchanged at their April 30<sup>th</sup>-May 1<sup>st</sup>, as crosscurrents, global uncertainty, muted inflation and concerns on prolonging the expansion cycle remain
- FOMC statement will likely strike a slightly more optimistic tone while maintaining the "patient" forward guidance
- On track to end Balance Sheet Normalization (BSN) in September. Technical adjustments to caps to begin in May
- The drawdown on cash assets at domestic financial institutions has slowed following the announcement of changes to the BSN plans
- Markets now fully discounting rate cuts in 2019, but survey-based measures suggests hikes still possible
- Possibility of rate increase in 2019 diminished, but we maintain our hike bias

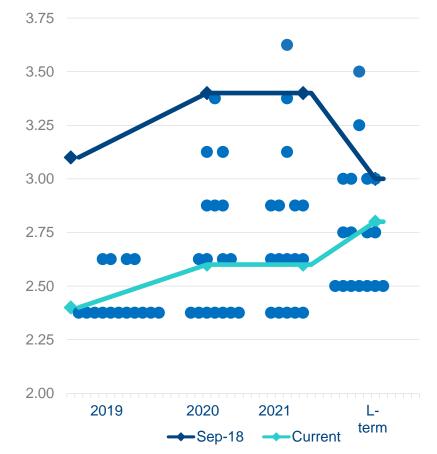
# Fed: Dramatic shift in Fed projections suggests committee focused on sustaining expansion

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



#### FOMC Projections of Fed Funds

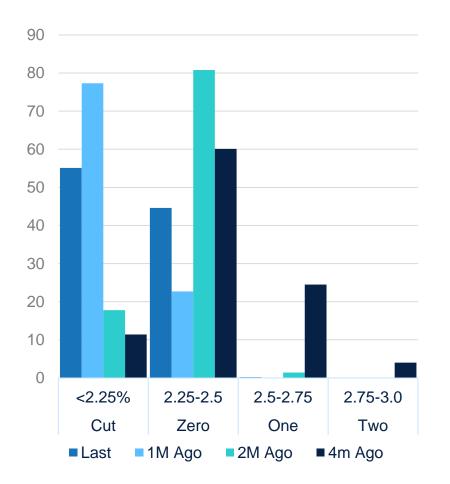
(Year-over-year %, Mid-point)



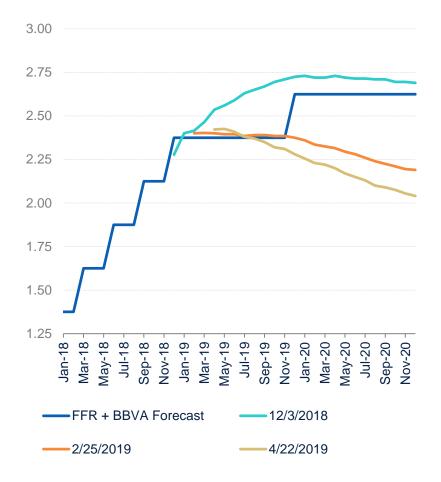
## Monetary policy: Markets fully priced in rate cut in 2019

#### Fed Funds Implied Probability

(Number of rate increases through 2019, %)



# Fed Funds Futures & BBVA Baseline (%)



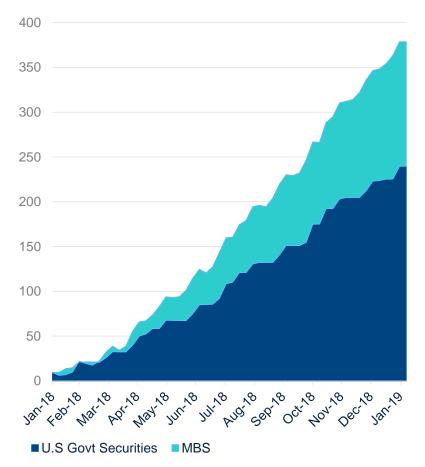
# Monetary Policy: Fed to begin slowing the pace of quantitative tightening in May, end balance sheet normalization by September

#### Fed Funds & Repo Rates



**Balance Sheet Attrition** 

(US\$bn, Cumulative)



### **Interest Rates**

10-yr Treasury at 2.5%, up 14bp from 1Q19 lows, while
2-yr Treasury up 10bp at 2.3%

- Dramatic shift in Fed's balance sheet strategy and U-turn on policy rates guidance suggests further compression in the term premium in medium-term
- Easing of global tensions and uncertainty leading to modest increase in term premium
- Dovish monetary policy abroad and growth uncertainty will continue to limit term premium upside, implying a flatter-for-longer scenario for the yield curve and potential for prolonged inversion
- Central bank balance sheet expansion and changes in savings preferences continue to influence interpretation of yield curve inversion
- 10-yr Treasury to reach 2.8% by end of 2019, downside risks elevated

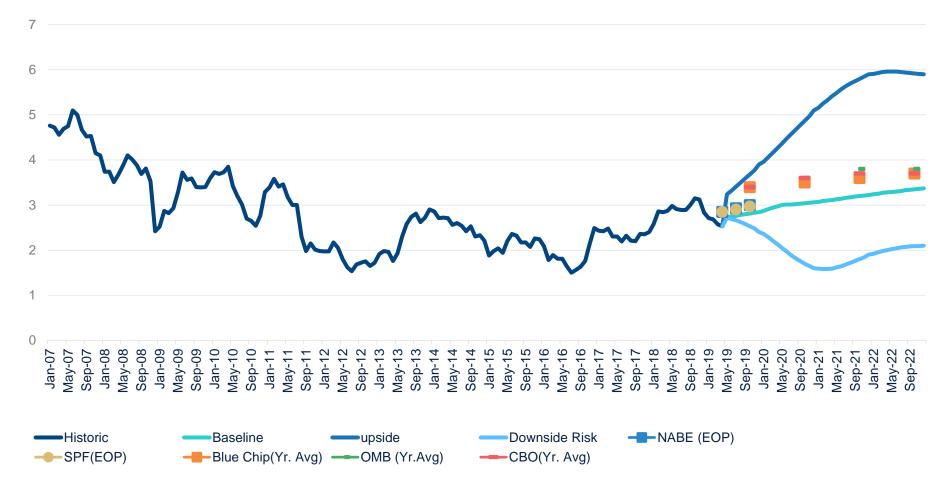
# Interest rates: Risk aversion and savings preferences lowering term premium, decompression unlikely in short-term



# Interest rates: 10-year yields to remain lower for longer, bias to the downside

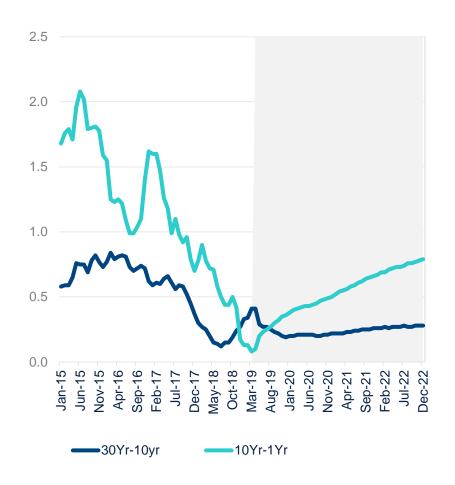
### **10-Year Treasury Yield**

(%)



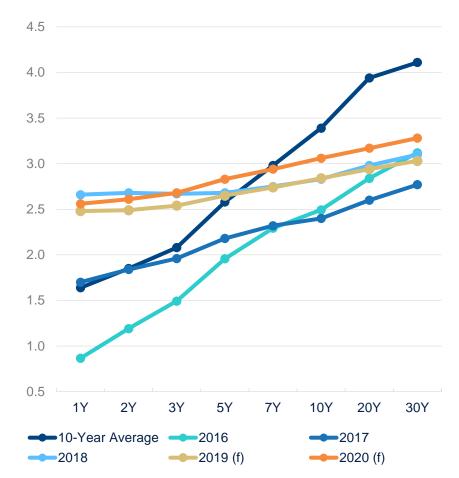
## Interest rates: Yield curve slope edging closer to full inversion. Structural changes distort traditional inversion signal

#### Yield Curve Slope (Bp)



## Yield Curve

(%, eop)

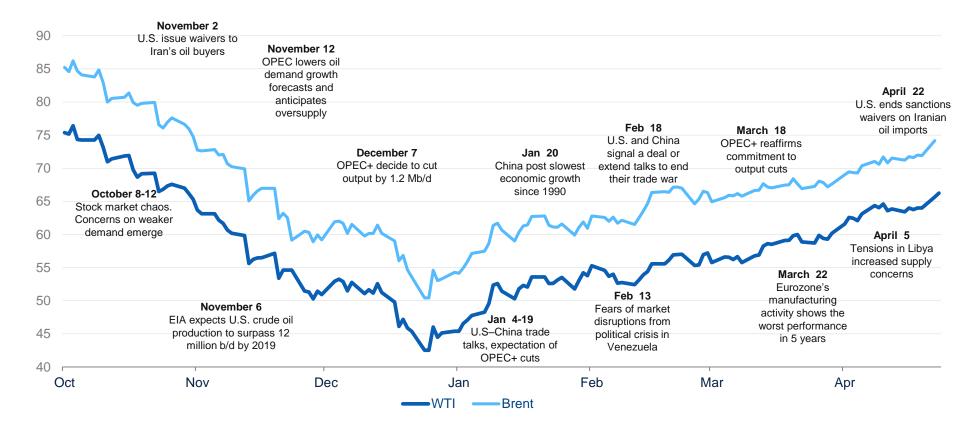


### **Oil Prices**

- OPEC+ cuts are tightening the market and driving up prices. The deal could be extended for 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 further while substantial transportation capacity will be added
- 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

# Upward trend supported by OPEC+ cuts, but contained by expectations of rising U.S. production and concerns on global economic growth

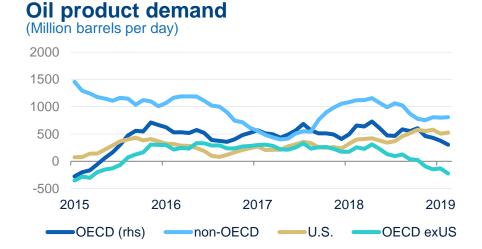
# Crude oil prices October 2018 to April 2019 (\$ per barrel)



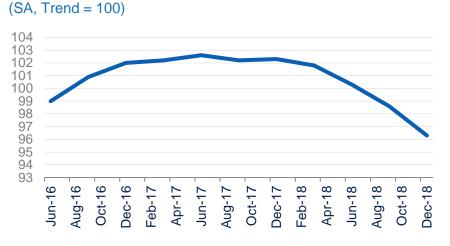
## Demand has declined in Europe, but remains supportive in China, India and the U.S. The outlook for global trade has deteriorated

#### 2500 3000 2500 2000 2000 1500 1500 1000 1000 500 500 0 -500 -1000 -500 2Q15 1Q16 1Q18 2Q18 Q14 4 S S S ဖ ဖ ဖ ω 1<u>0</u>1 3Q1 4Q1 2Q1 δ ğ 4Q1, ð 3Q1 δ δ 3Q1 4Q1. 3Q1 4Q1 Western Europe United States China India Total World (rhs)

# Oil product demand: total world (Thousand barrels per day, yoy change)



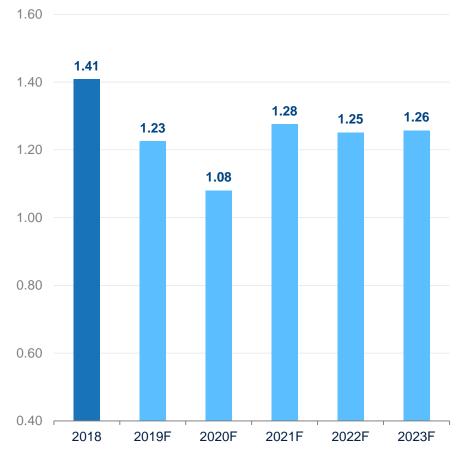
#### World trade outlook indicator



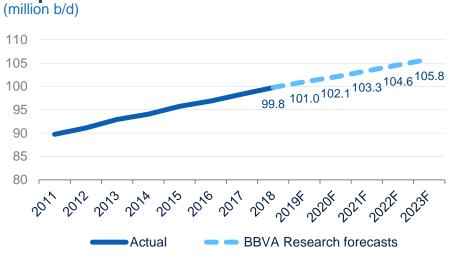
Source: BBVA Research, WTO, and Haver Analytics

### A weaker economic outlook points to slower demand growth

**Oil product demand** (YoY change, million b/d)

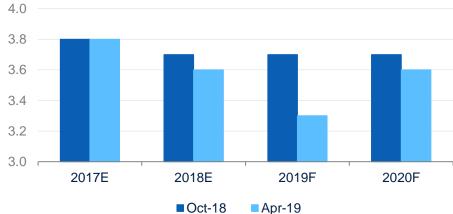


### **Oil product demand**



### **IMF World GDP growth**

(YoY percent change)



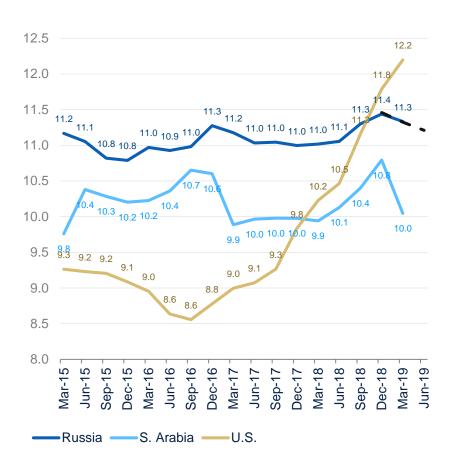
Source: BBVA Research, F = forecasts

Source: IMF WEO Jan, 2019 update, E = estimates, F = forecast

# **OPEC+** supply adjustments and U.S. sanctions on Iran and Venezuela will tighten supply throughout 1H19

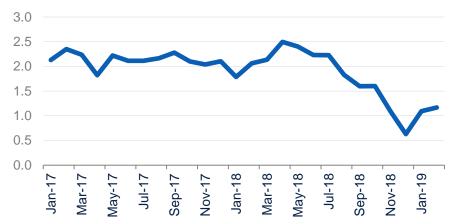
### **Crude oil production**

(Million barrels per day)



#### Iran: exports of crude oil

(Million barrels per day)

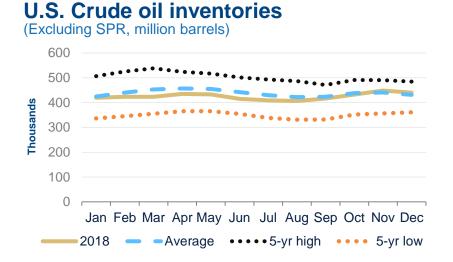


#### Venezuela: crude oil production

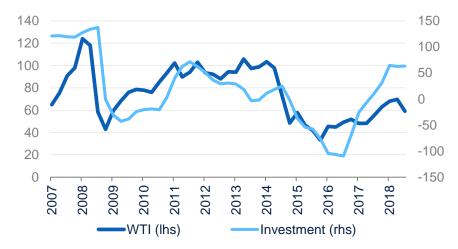
(Million barrels per day)



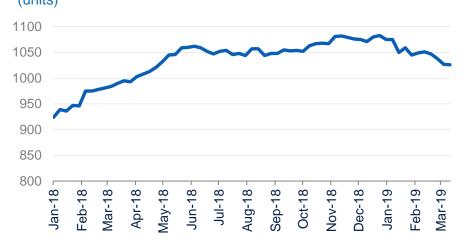
## U.S. global leadership will remain solid despite declining rig count



## 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)



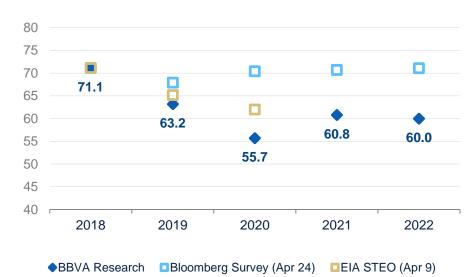
Source: BBVA Research and Haver Analytics

## Supply adjustments will support prices in 1H19, but demand will be the main driver from 2H19 onwards

#### **Brent prices forecast**

(\$ per barrel)

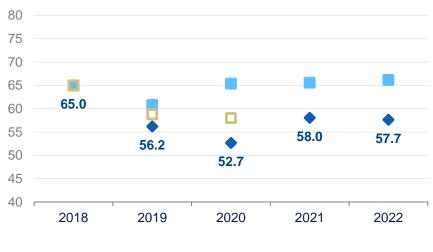
	BBVA Research (baseline)	Bloomberg Survey (Apr 5)	EIA STEO (March 12)
2017	54.2	54.2	54.2
2018	71.1	71.1	71.1
2019	63.2	67.9	65.2
2020	55.7	70.4	62.0
2021	60.8	70.7	
2022	60.0	71.1	



### WTI prices forecast

(\$ per barrel)

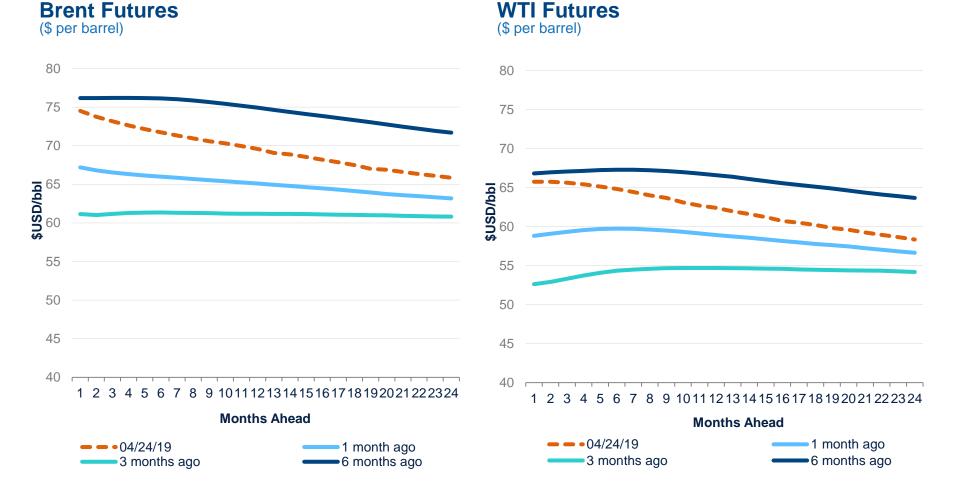
	BBVA Research (baseline)	Bloomberg Survey (Apr 5)	EIA STEO (Mar 12)
2017	50.9	50.9	50.9
2018	65.0	65.0	65.0
2019	56.2	60.8	58.8
2020	52.7	65.4	58.0
2021	58.0	65.6	
2022	57.7	66.2	



BBVA Research

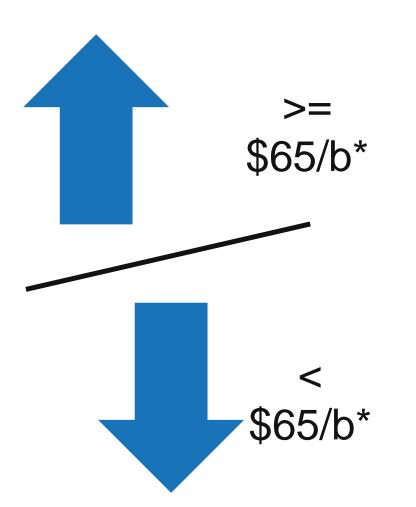
Bloomberg Survey (Apr 24) EIA STEO (Apr 9)

## A backwardated futures curve points to tighter supply in the shortterm, but lower prices in the mid- to long- term



#### Source: BBVA Research and Bloomberg

### Short-term risks are tilted to the upside



- OPEC+ expands output deal to 2H19
- Oil waivers to importers of Iranian oil expire and are not renewed
- Significant impact from additional negative supply shocks (e.g. Venezuela and Libya)
- 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	3.9	4.2	4.4
Avg. Monthly Nonfarm Payroll (K)	173	181	192	251	227	193	179	223	173	160	135	113
CPI (YoY %)	3.1	2.1	1.5	1.6	0.1	1.3	2.1	2.4	1.8	2.0	2.0	2.1
Core CPI (YoY %)	1.7	2.1	1.8	1.8	1.8	2.2	1.8	2.1	2.0	2.0	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	5.7	3.7	3.0	3.2	3.5
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
West Texas Intermediate 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

## **Economic Scenarios**

Probability (%)	Current	Previous
Upside	5	5
Baseline	55	55
Downside	45	40

Macro Scenarios											
	2	014	2015	2016	2017	2018	2019	2020	2021	2022	2023
GDP		2.5	2.9	1.6	2.2	2.9	2.5	2.0	1.9	1.8	1.8
U	pside						3.0	3.2	3.1	2.7	2.7
Dow	nside						0.7	-0.9	1.9	2.1	2.3
UR	(	6.2	5.3	4.9	4.4	3.9	3.7	3.9	4.2	4.4	4.5
U	pside						3.5	2.9	2.9	3.0	3.0
Dow	nside						4.5	6.2	6.6	5.7	5.0
СРІ		1.6	0.1	1.3	2.1	2.4	1.8	2.0	2.0	2.1	2.1
U	pside						2.0	3.3	3.6	3.8	3.9
Dow	nside						0.9	0.8	1.1	1.3	1.4
Fed [eop]	0	).25	0.50	0.75	1.50	2.50	2.75	2.75	2.75	2.75	2.75
U	pside						3.50	5.00	5.00	5.00	5.00
Dow	nside						1.50	0.25	0.25	0.25	0.25
10-Yr [eop]	2	2.21	2.24	2.49	2.4	2.83	2.84	3.06	3.22	3.37	3.48
U	pside						3.90	5.10	5.90	5.90	5.90
Dow	nside						2.40	1.60	1.90	2.10	2.10

### DISCLAIMER

This document was prepared by Banco Bilbao Vizcaya Argentaria's (BBVA) BBVA Research U.S. on behalf of itself and its affiliated companies (each BBVA Group Company) for distribution in the United States and the rest of the world and is provided for information purposes only. Within the US, BBVA operates primarily through its subsidiary Compass Bank.

The information, opinions, estimates and forecasts contained herein refer to the specific date and are subject to changes without notice due to market fluctuations. The information, opinions, estimates and forecasts contained in this document have been gathered or obtained from public sources, believed to be correct by the Company concerning their accuracy, completeness, and/or correctness. This document is not an offer to sell or a solicitation to acquire or dispose of an interest in securities.





# U.S. Economic Outlook April 2019

**Creating Opportunities**