

# Oil Price Outlook

**BBVA Research USA** 

**Houston, TX** 

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#### As expected

- High-cost production continues to adjust
- Further bankruptcies and declining investment
- Sustained demand growth, particularly in emerging markets
- Competition for market share continues

#### **Major surprises**

- Limited impact from Brexit vote
- Bearish markets due to high inventories of refined products
- Renewed expectations of a potential OPEC output deal

#### Upward bias in the short-term, but caution going forward

- Short-run risks persist such as financial volatility, further supply disruptions, and negative surprises to the global outlook
- Oversupply conditions remain
- · OPEC production deal most likely to fail
- Inventories are still at historically high levels, limiting rapid price increases
- A sustained price rebound could halt further cuts in U.S. production

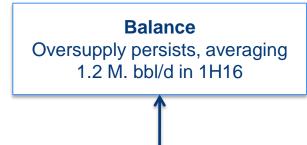


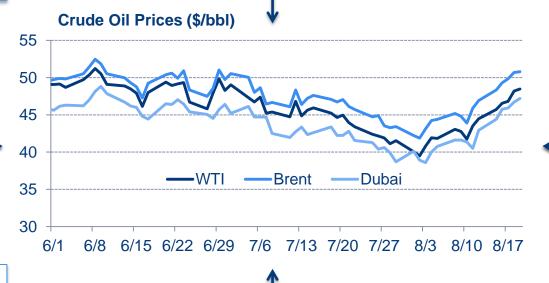
# Summary (June-August)

# Supply: Non-OPEC Declining output from high-cost producers. U.S. rig count increases for eight consecutive weeks

#### **Supply: OPEC**

Expectations of output deal in September.
Saudi Arabia producing at record highs. Iraq and Iran expected to continue expanding production.





#### **Financial Markets**

Limited impact from Brexit. Supporting dollar

#### **Demand: Non-OECD**

Doubts about China's demand increase.
Inventory accumulation soon to be over

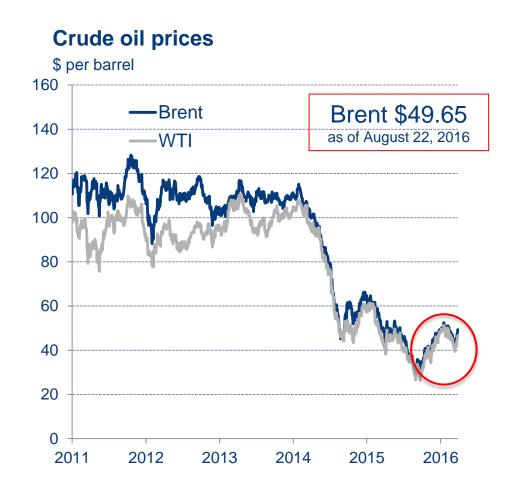
#### **Demand: OECD**

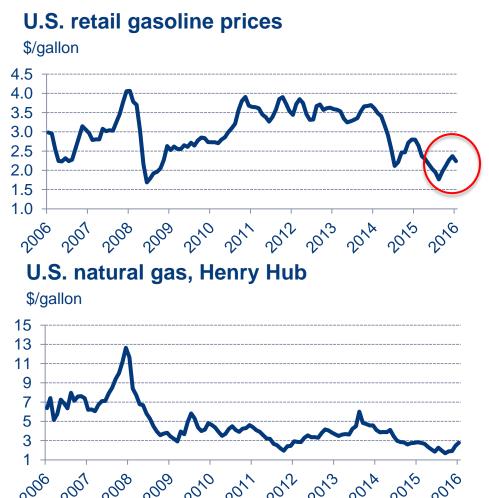
Sustained demand of petroleum products. High inventory levels of both crude and refined products



## Oil prices in 2016

Momentum interrupted by renewed concerns on oversupply





Source: Haver Analytics



# Short-term volatility

#### Downward bias from recent events

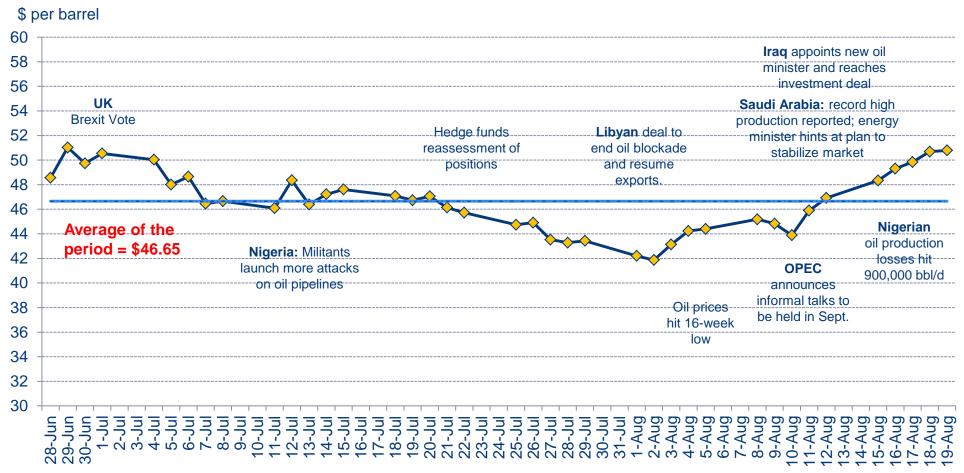
Event	Description	Price Bias
Brexit	U.S. dollar rallies in Brexit aftermath	<b>↓</b>
Hedge funds short positions	Hedge funds boost short positions in NYMEX WTI by nearly 88 million barrels in 7 weeks	<b>↓</b>
<b>Libya</b> supply disruption deal	Oil production continued downward trend in July, but deal to pay local guards in order to end blockade and resume exports is signed	<b>↓</b>
Iraq: investment deal and new oil minister	New deal with oil majors to restart investment in 2H16; new oil minister seeks for end to Kurdish dispute in order to boost output	<b>↓</b>
Pipeline attacks in Nigeria	Militants have announced a conditional cease fire. Nigeria's production is at 20-year lows.	<b>↓</b>
Mixed signals from Saudi Arabia	Energy minister signaled openness to market stabilization at Sept. OPEC and non-OPEC informal meeting; reports of record-high August production at 10.8-10.9 million bbl/d	



# Short-term volatility

Late recovery driven by expectations of production deal





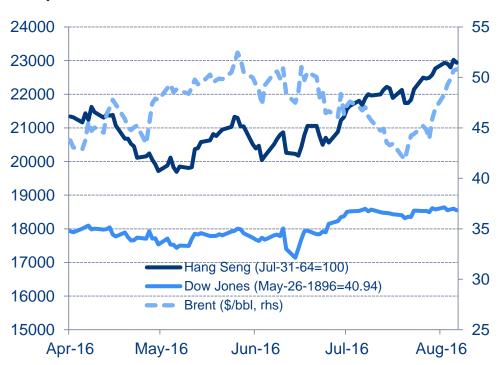
Source: BBVA Research and Haver Analytics



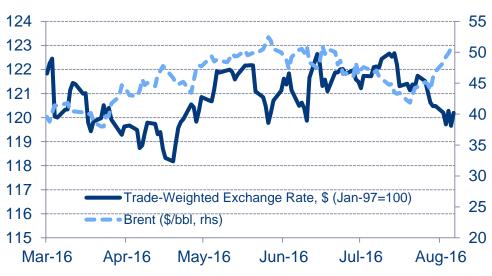
## Financial markets

- The impact of Brexit was short-lived, with markets rapidly turning their attention to fundamentals.
- Recent upside also supported by a weaker dollar.

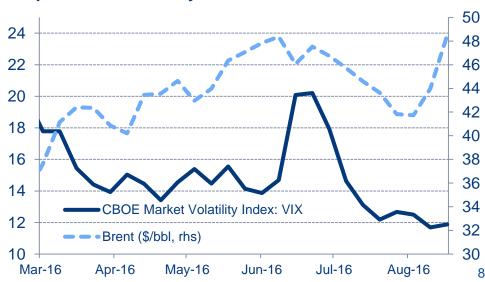
#### Oil prices and stock market



#### Oil prices and U.S. dollar



#### Oil prices and volatility index

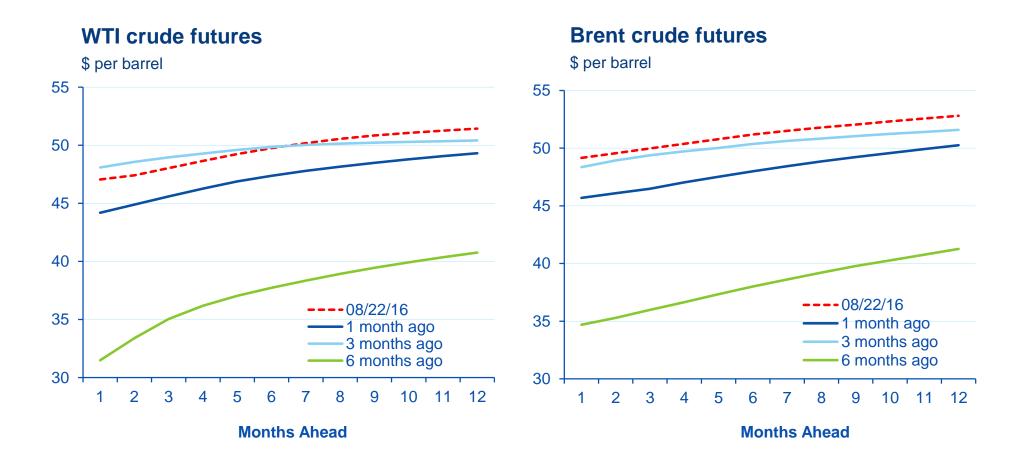


Source: Haver Analytics



## **Futures**

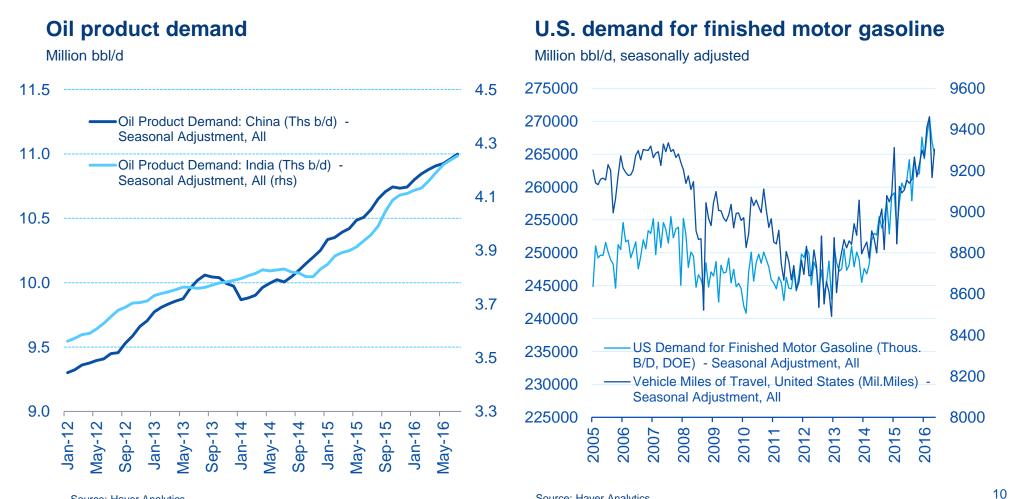
Crude futures rise on hopes of a production freeze from OPEC; however, markets still discount low prices





## Demand

Demand growth continues to be supported by emerging markets and the U.S.

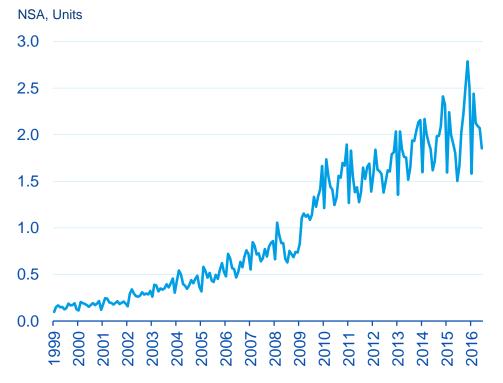




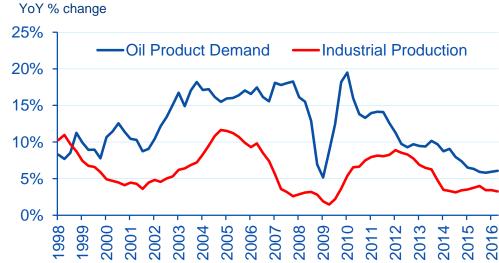
## Demand

- Uncertainty arising from China and the impact of the rebalancing on global crude oil demand
- Rapid inventory accumulation may come to an end soon

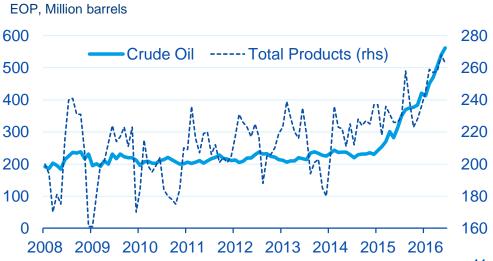
#### China: automobile sales



#### China: oil product demand and industrial production



#### China: crude and total petroleum products inventories

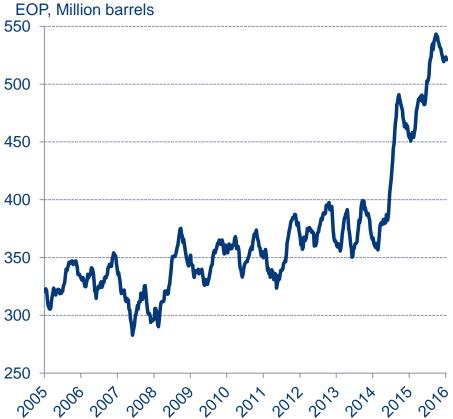




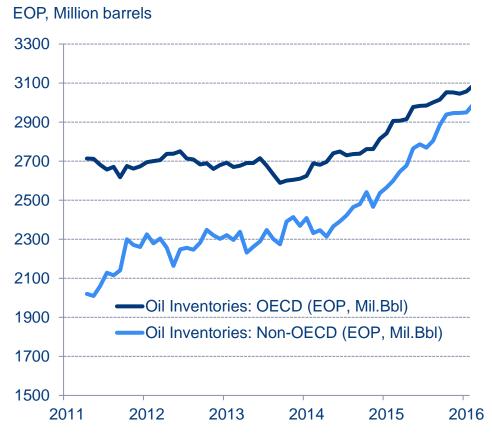
## Inventories

High levels of inventories prevent prices from rebounding quickly

### U.S. stocks of crude oil excluding SPR



#### Global oil inventories



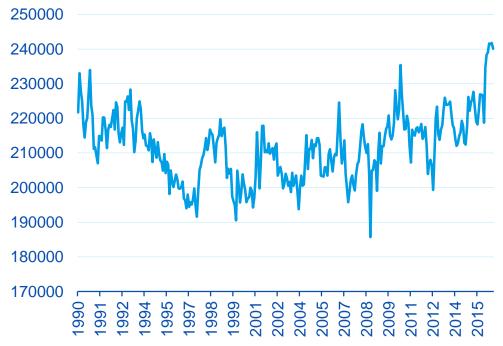


## Inventories

New concerns on high stocks of refined products and the impact on refineries' demand of crude oil

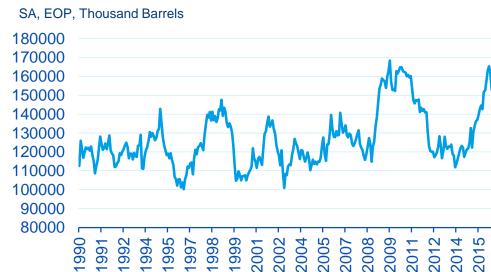
#### U.S. stocks of motor gasoline

SA, EOP, Thousand Barrels

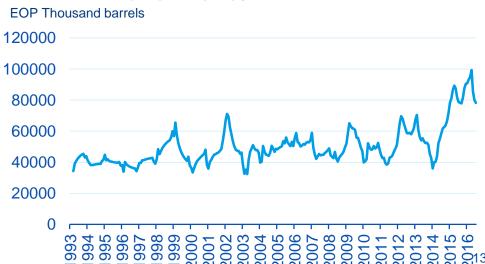


Source: Haver Analytics

#### U.S. stocks of distillate fuel oil



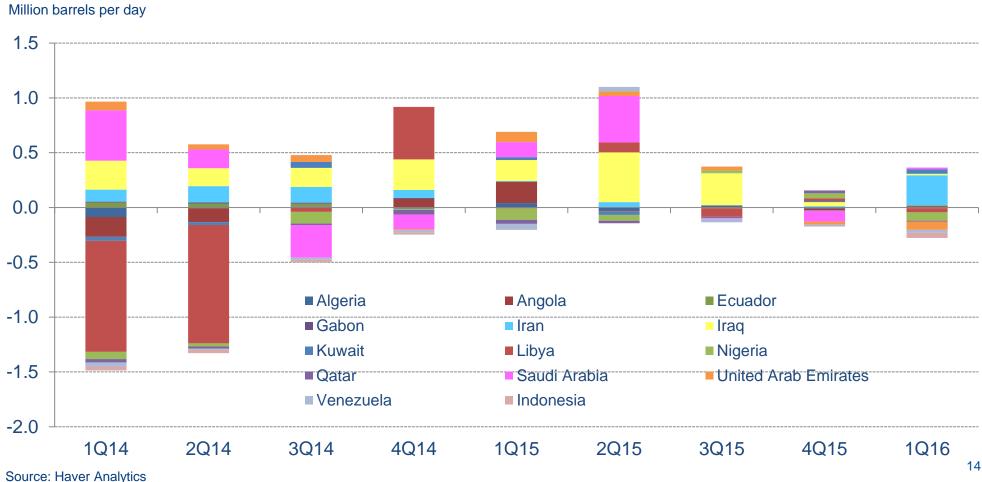
#### U.S. stocks of propane/propylene





Despite low prices, Iraq and Iran have consistently added to OPEC production. Libya, Nigeria and Venezuela continue to struggle

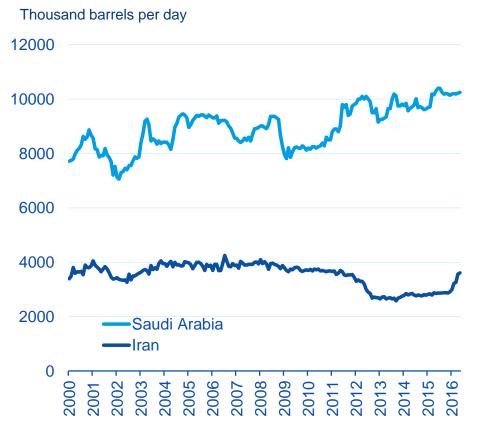
#### **OPEC:** change in crude oil production by country





#### A less elastic supply makes a production agreement less likely

#### **OPEC:** crude oil production



- Iranian production is rapidly reaching pre-sanction levels, suggesting that the country could eventually join negotiations to freeze production
- In the meantime, Saudi Arabia continues to produce at record highs in order to expand its market share
- The probability of an output deal next month is low as Iran has not confirmed its participation

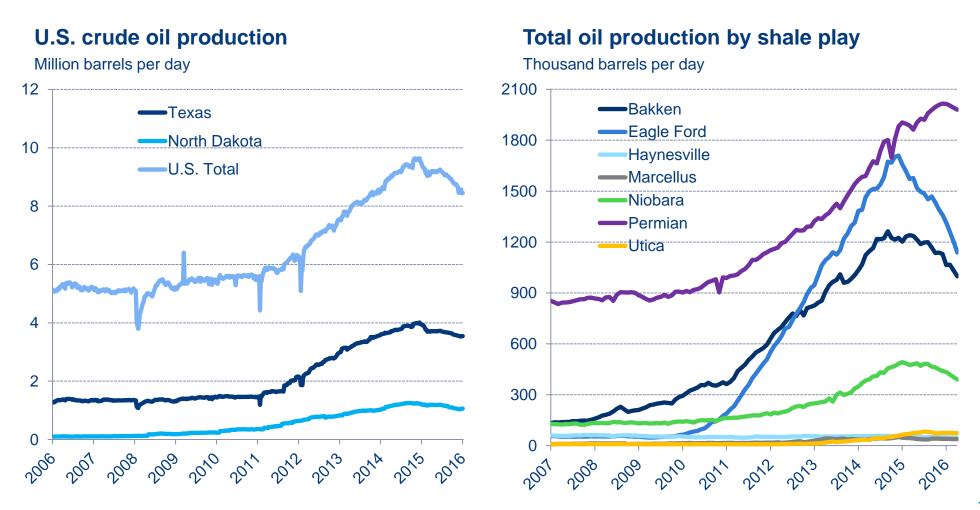


#### The U.S. accounts for most of the downward adjustment outside OPEC

#### Wellhead crude oil production Non-OPEC: oil supply and Brent Change, May-2015 to July-2016, thous, barrels per day Million barrels per day 12-month change & \$/bbl 3.5 140 300 3.0 200 120 2.5 100 2.0 100 1.5 0 80 1.0 -100 0.5 60 -200 0.0 40 -0.5-300 -1.0 20 Oil Supply/Demand Balance: Supply: Non-OPEC (Mil -400 -1.5 b/d) 12-month change Europe Brent Spot Price FOB (Dollars per Barrel), rhs -2.0 -500 2006 2007 2008 2009 United China Brazil Canada Russia Mexico States



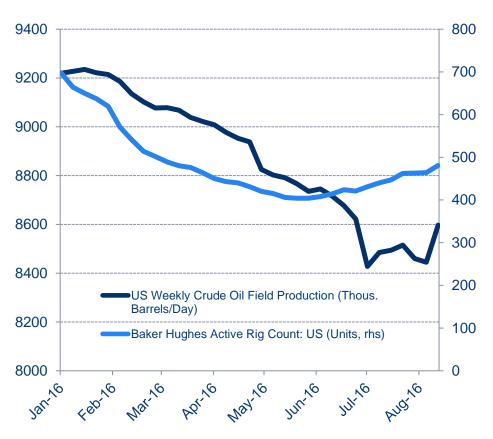
#### U.S. production adjustment differs across regions



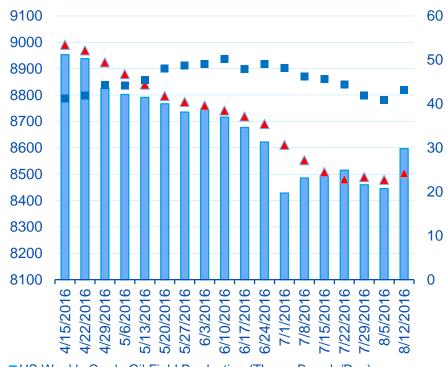


However, slight surge in the rig count raises questions about how long the decline in production could last

#### U.S. active rig count and oil prices



#### **Crude oil production and oil prices**



- ■US Weekly Crude Oil Field Production (Thous. Barrels/Day)
- ▲U.S. Weekly Crude Oil Field Production (Thous. Barrels/Day, 4-Week MA)
- Spot Price: West Texas Intermediate 40 Deg (\$/Barrel), rhs

Source: Haver Analytics

# Oil price forecasts

#### Gradual increase after 2016 with risks tilted to the downside

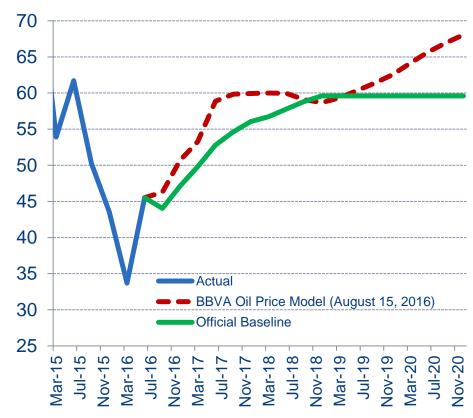
#### **Crude oil price forecasts\***

Brent, \$ per barrel, avg.

	BBVA Oil Price Model (August 15, 2016)	Official Baseline	Risk
2015	52.85	52.85	52.85
2016	44.04	43.42	41.32
2017	57.97	53.32	49.63
2018	59.42	58.23	55.42
2019	60.89	59.60	56.02
2020	66.19	59.60	56.02

#### **Crude oil price forecasts\***

Brent, \$ per barrel, avg.





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