

Brent calendar spreads

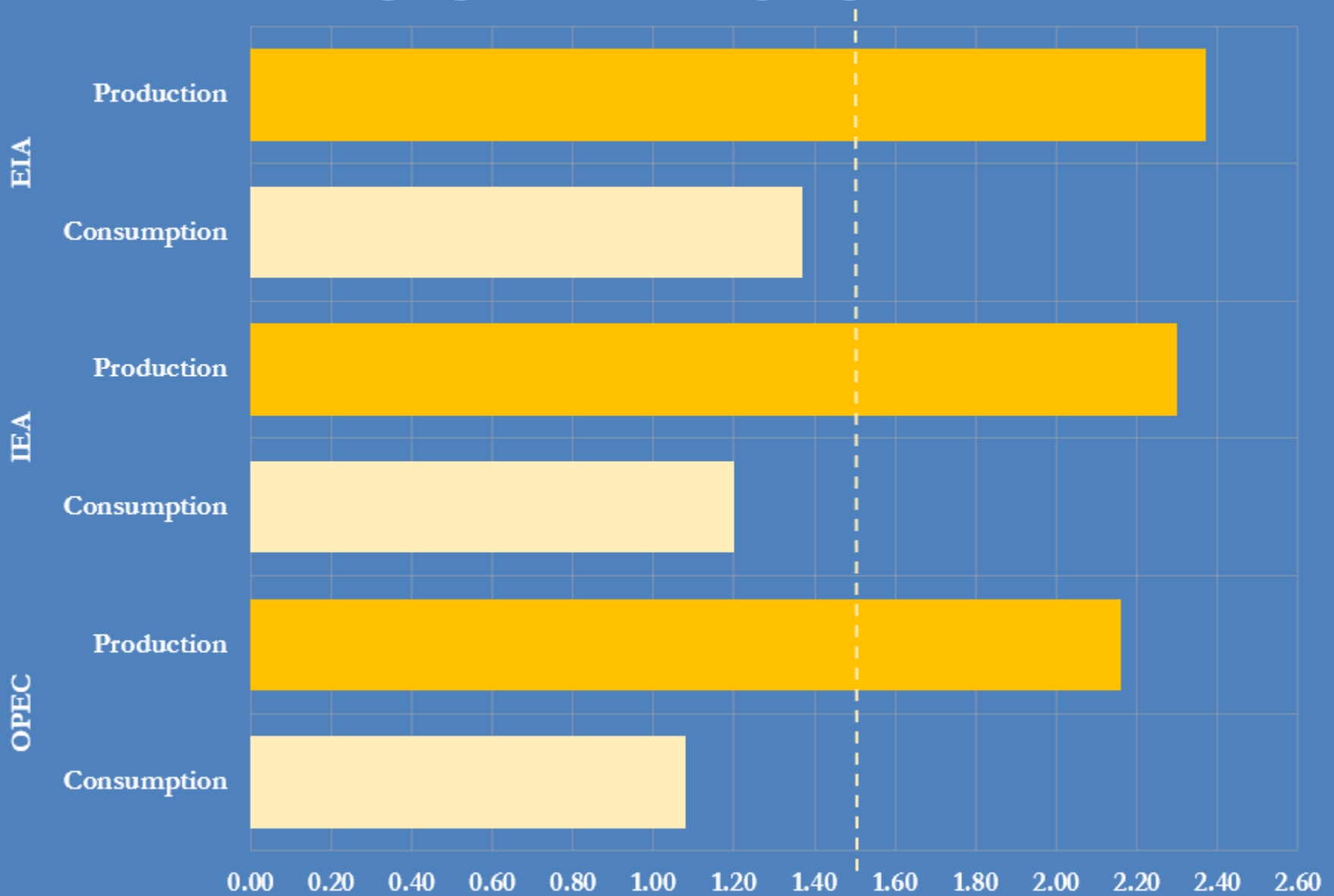
Selected indicators

JOHN KEMP
REUTERS

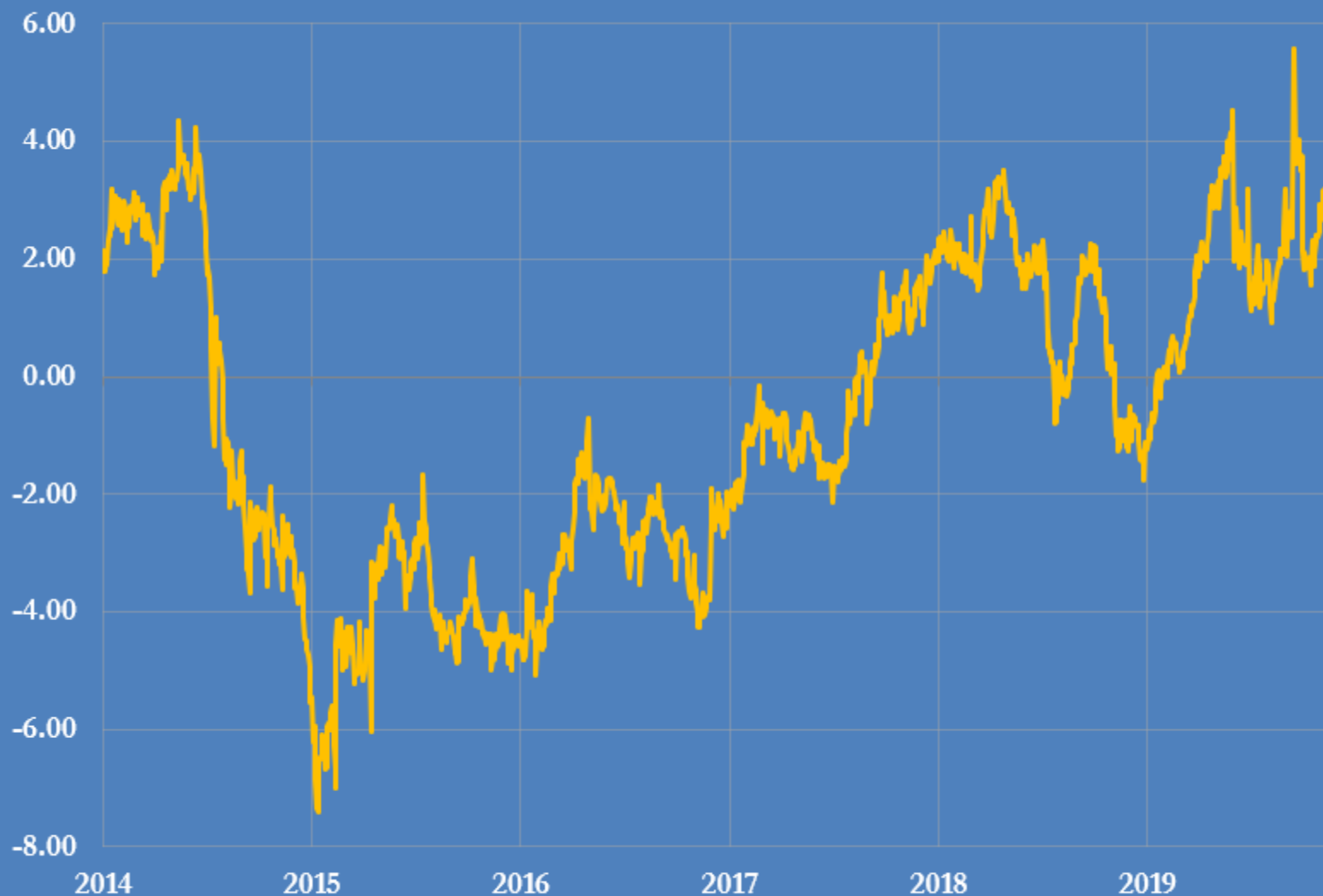
22 November 2019

Oil production and consumption growth in 2020

million barrels per day, forecasts by major statistical agencies in Nov 2019
showing long-term trend consumption growth of 1.5%



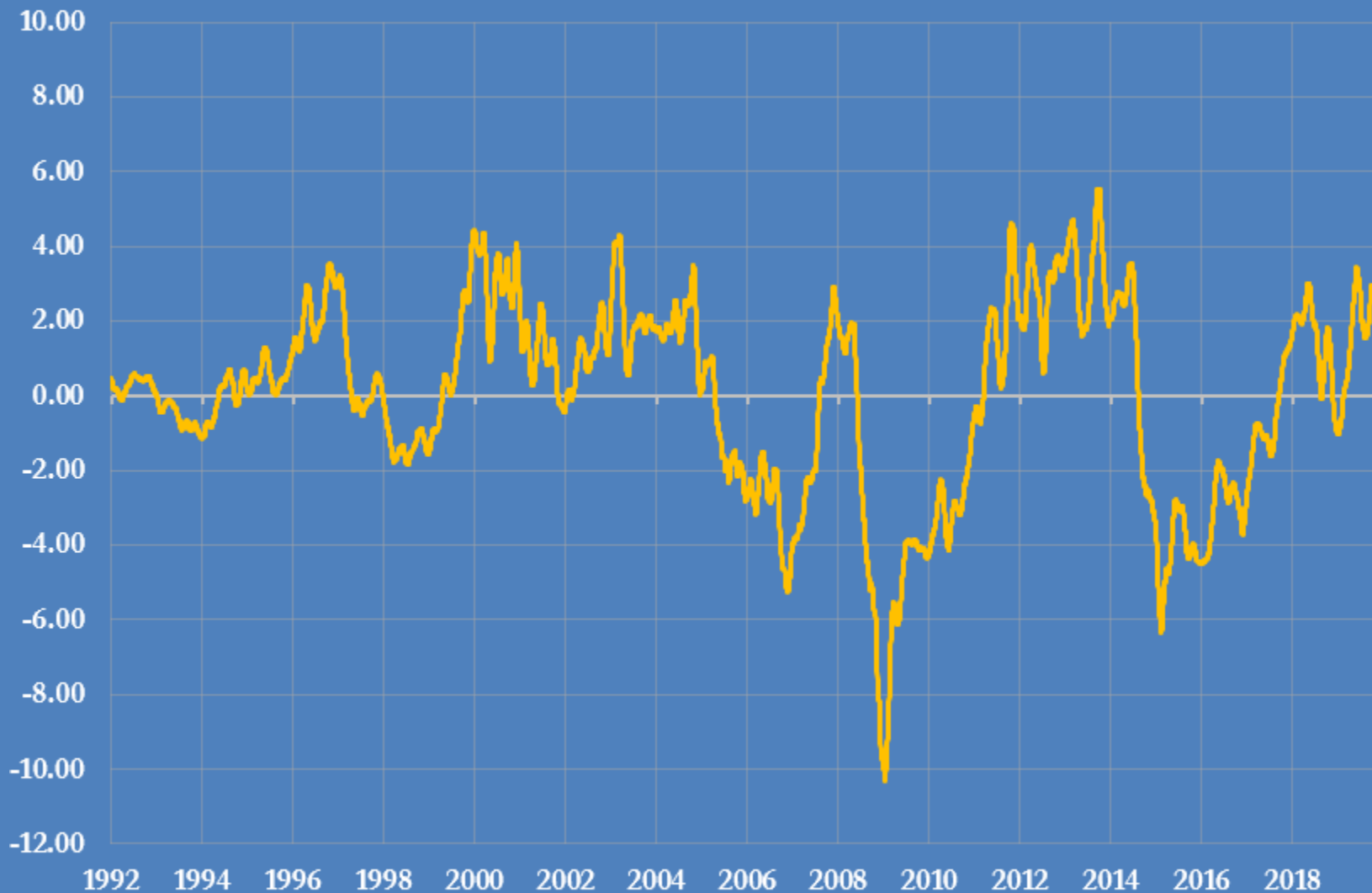
Shape of the futures price curve in Brent crude, 2014-2019 Contango (-) or backwardation (+) from months 1 to 7 (US\$/bbl)



Price difference Brent month 1 and month 7 (U.S.\$/bbl)
Contango (-) or backwardation (+)

Source: ICE Futures, @JKempEnergy

Shape of the futures price curve in Brent crude Contango (-) or backwardation (+) from months 1 to 7 (US\$/bbl)

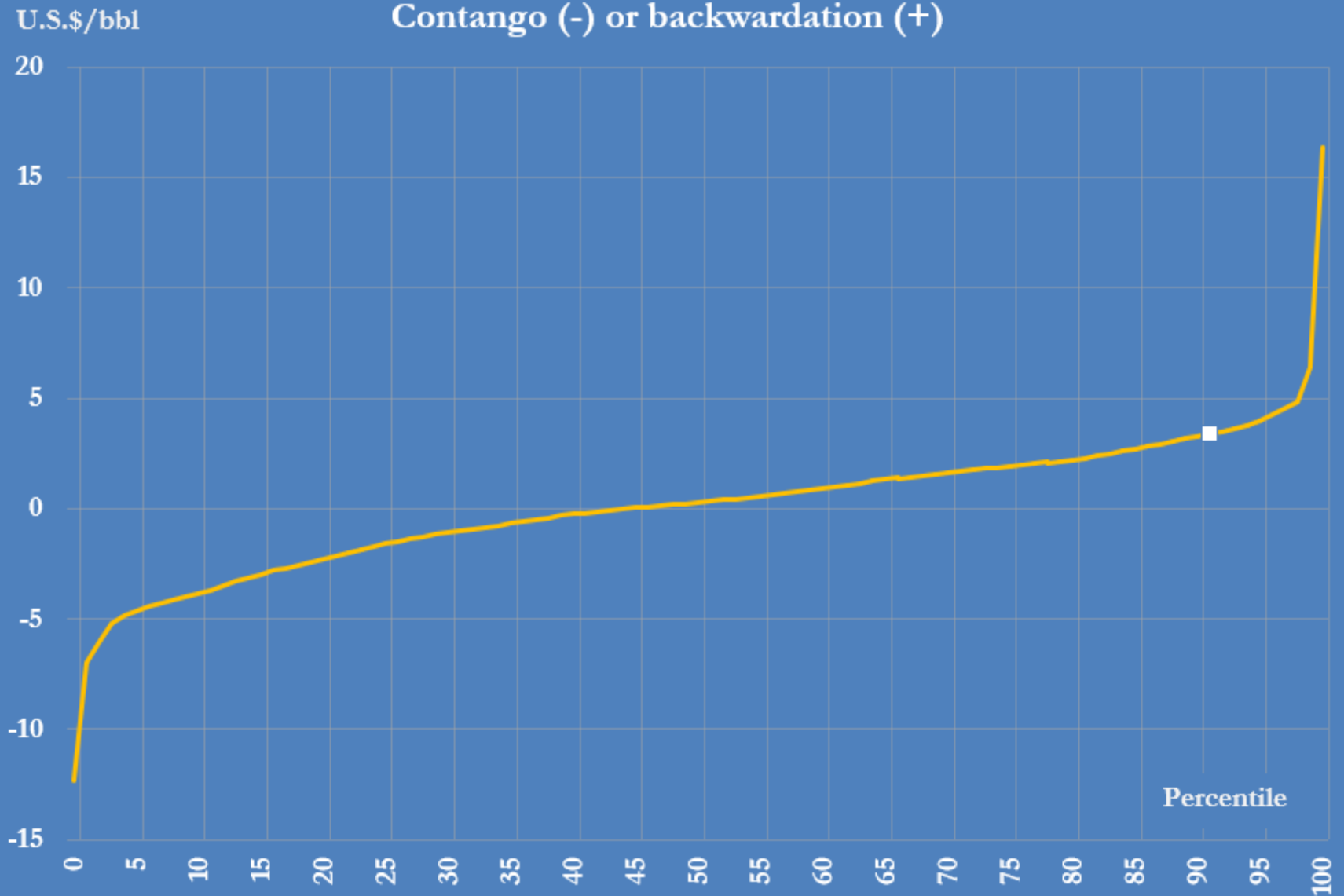


Price difference between 1st listed contract month and 7th listed contract month for Brent futures (U.S.\$/bbl)
Contango (-) or backwardation (+) averaged over 30 days

Source: ICE Futures Europe
@JKempEnergy

Brent calendar spread from month 1 to month 7

Percentiles 1990-2019, US\$ per barrel
Contango (-) or backwardation (+)



Brent calendar spread from month 1 to month 7
Frequency distribution (daily) 1990-2019, US\$ per barrel
Contango (-) or backwardation (+)

Percent

2.50

2.00

1.50

1.00

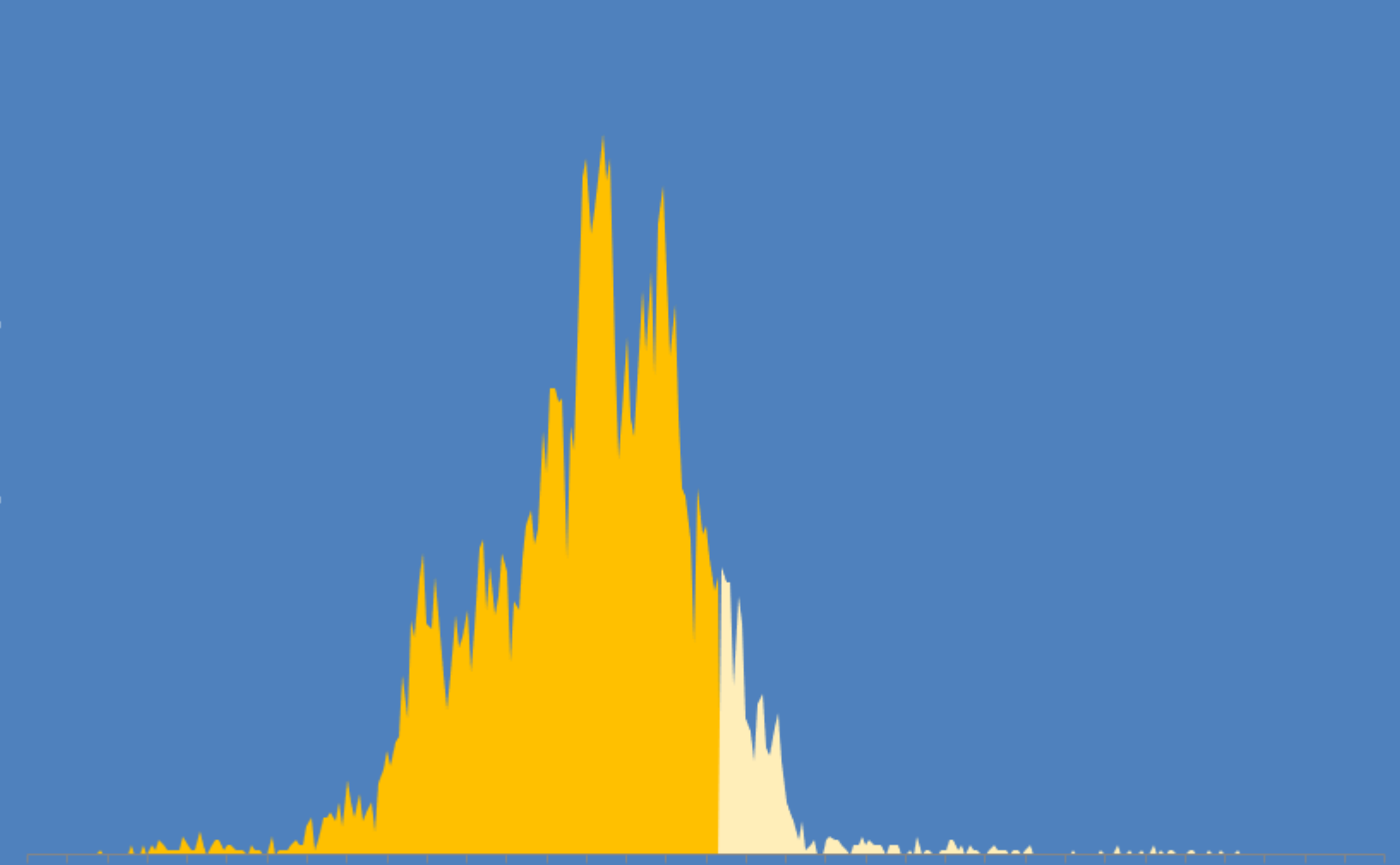
0.50

0.00

-14 -13 -12 -11 -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

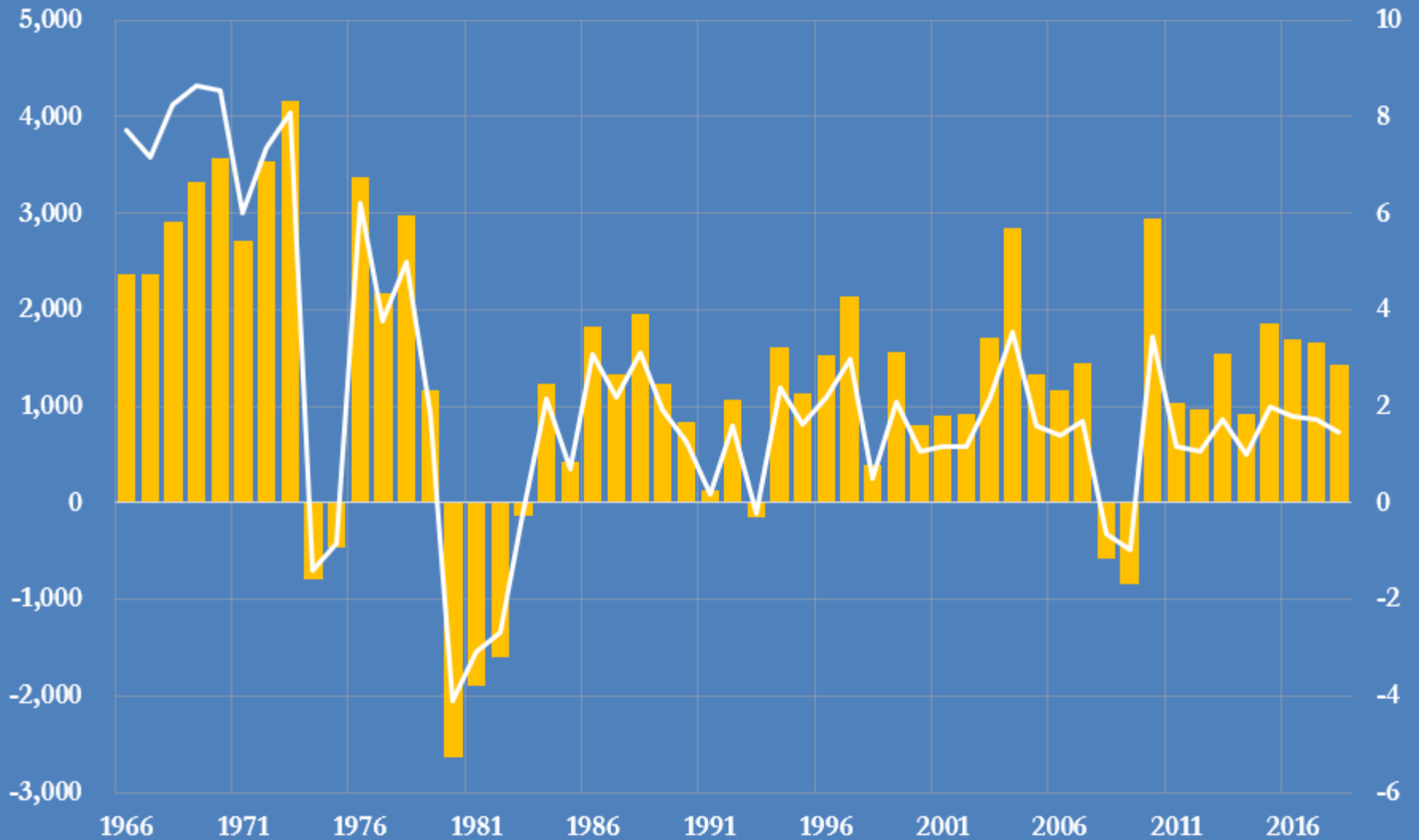
Source: ICE Futures Europe
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Calendar spread U.S.\$/bbl



World oil consumption growth, 1966-2018

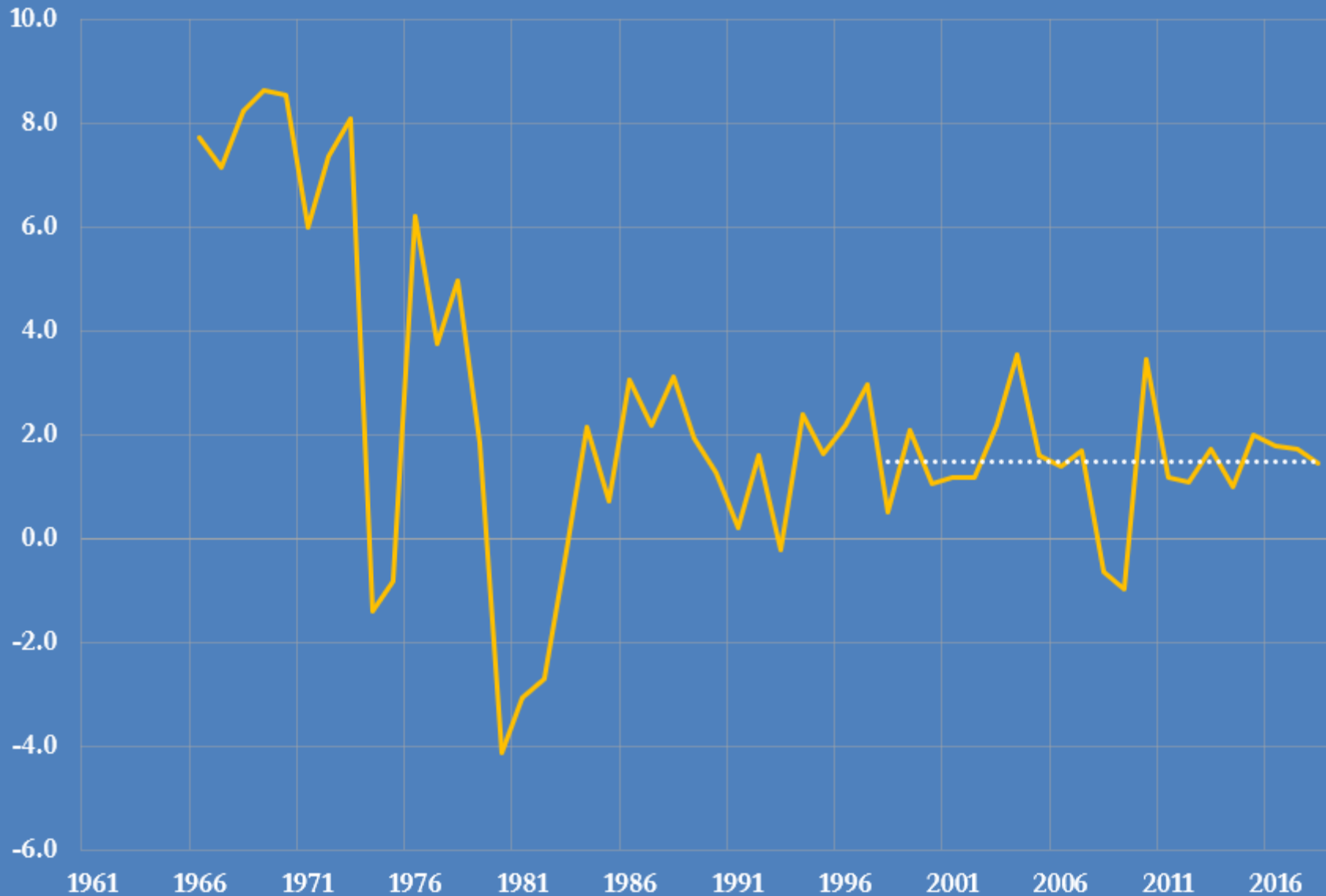
000 b/d and annual percent change



Oil consumption growth (annual 000 b/d) (left-axis)
Oil consumption growth (annual percent) (right-axis)

Source: BP Statistical Review of World Energy 2018, @JKempEnergy

Global oil consumption growth, 1961-2018 annual percent change, and 20-year trend



Sources: World Bank and BP Statistical Review of World Energy

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