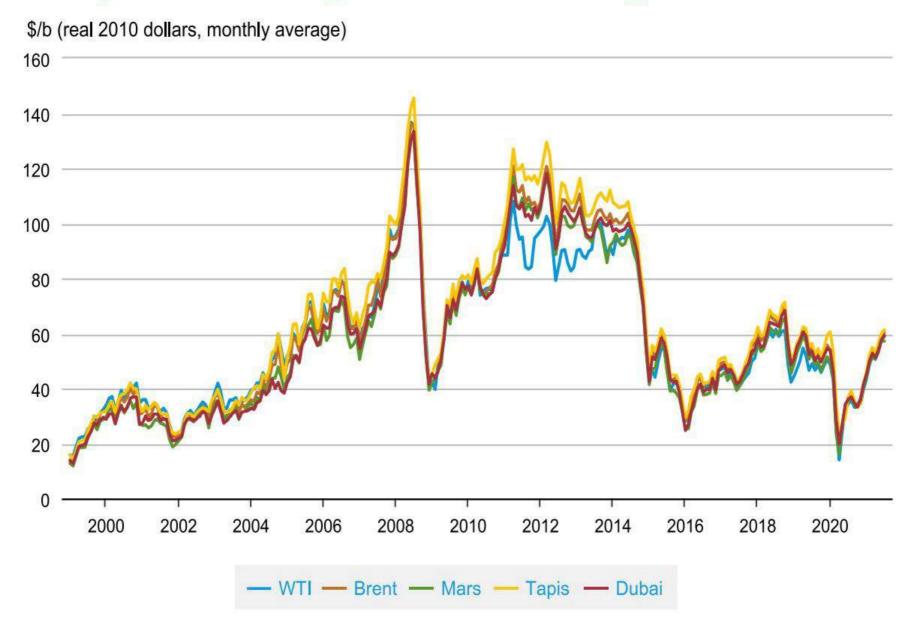
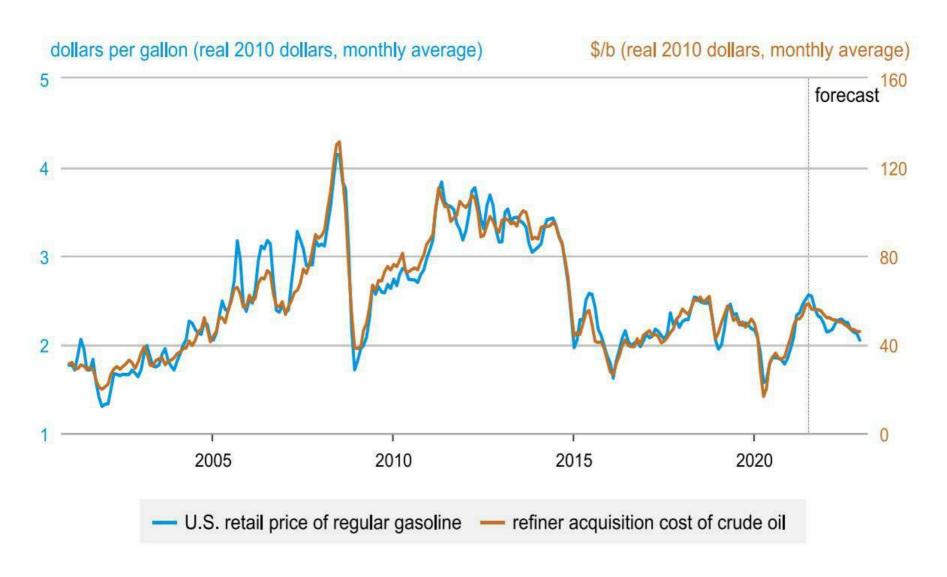
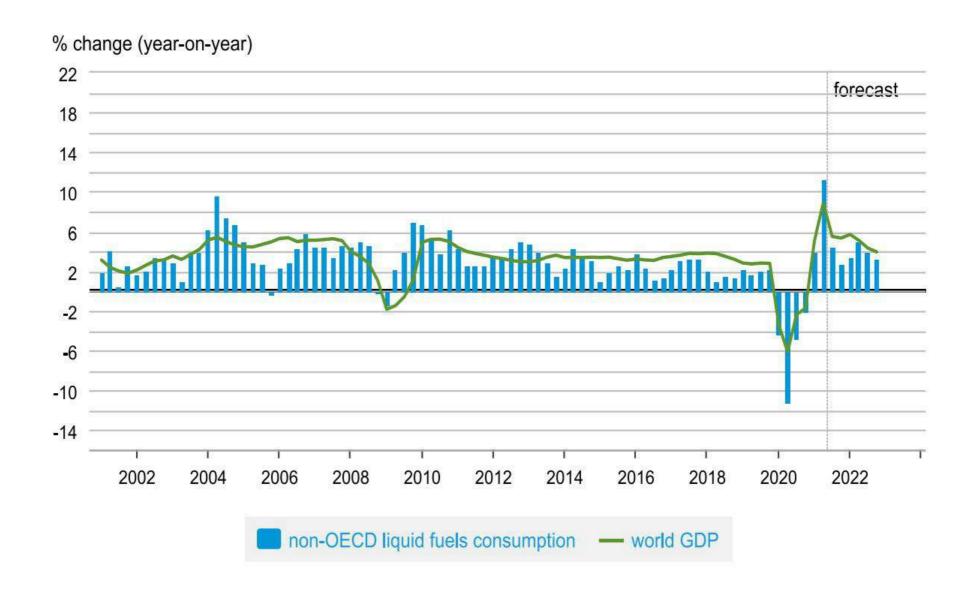
World oil prices move together due to arbitrage



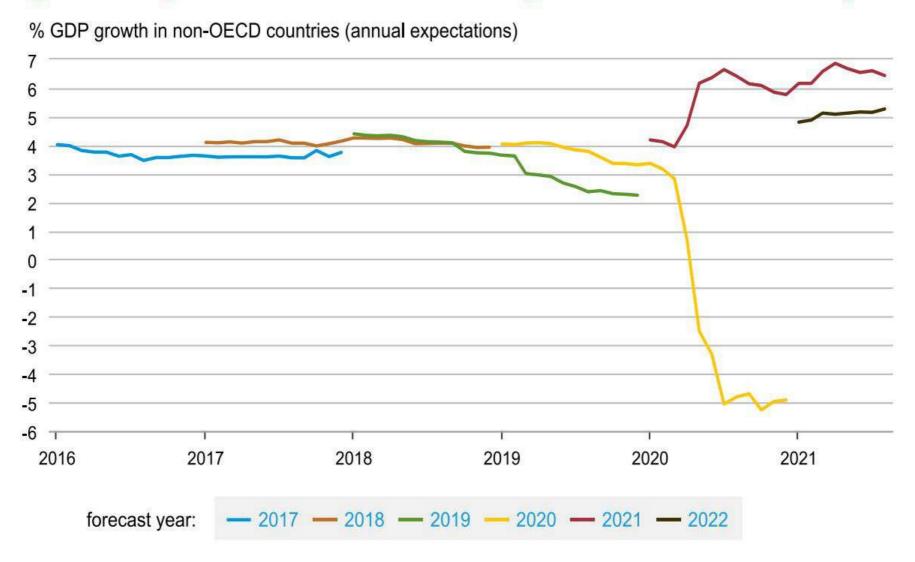
Crude oil prices are the primary driver of petroleum product prices



Economic growth has a strong impact on oil consumption

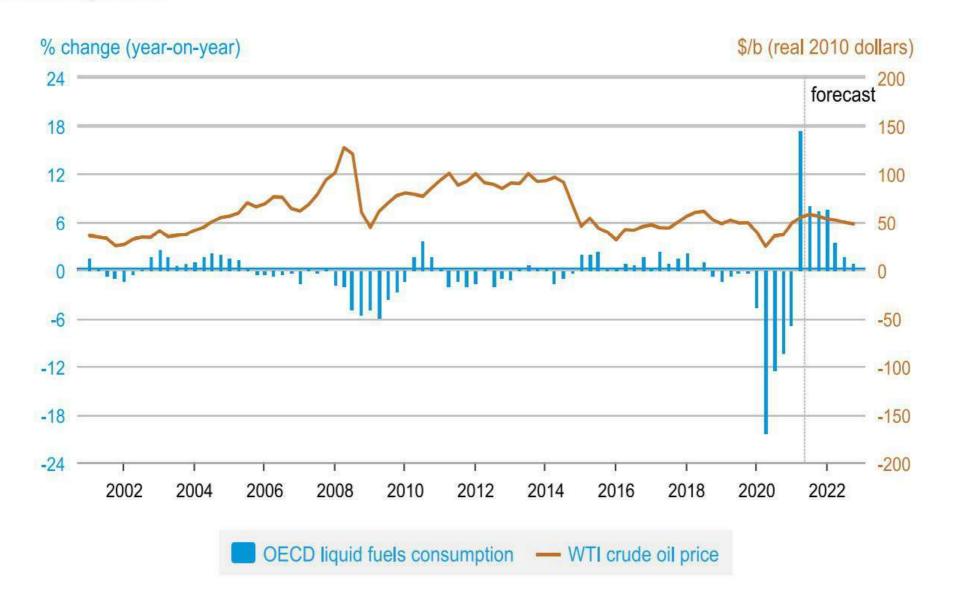


Changes in expectations of economic growth can affect oil prices

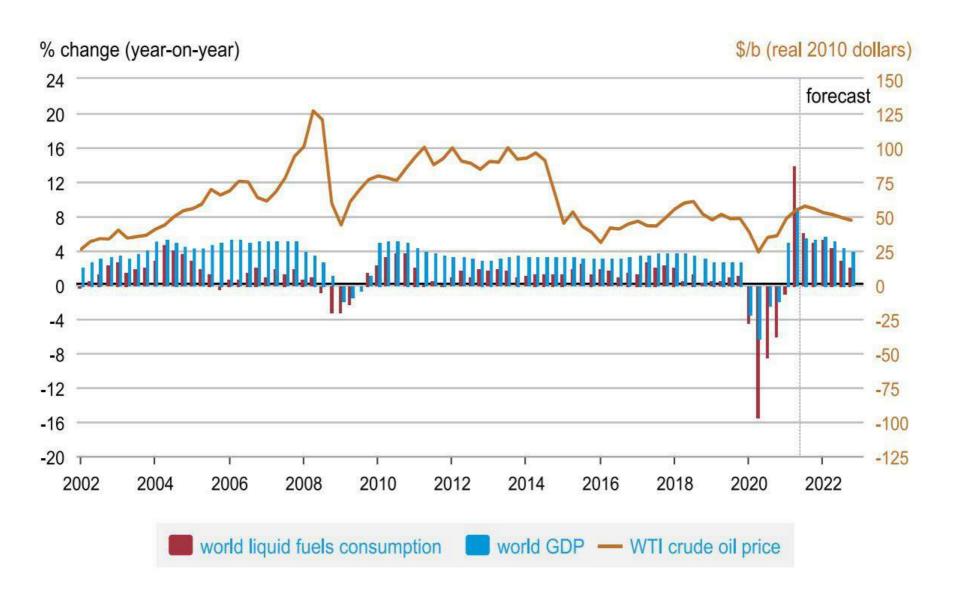


Note: Starting in January of each year, each line shows the expected forecast of GDP growth for the specified calendar year, which tends to move toward the actual realized growth outcome as the year progresses. Expectations continue to evolve into the next calendar year as revised GDP data become available (e.g., 2008 GDP expectations are revised even during 2009).

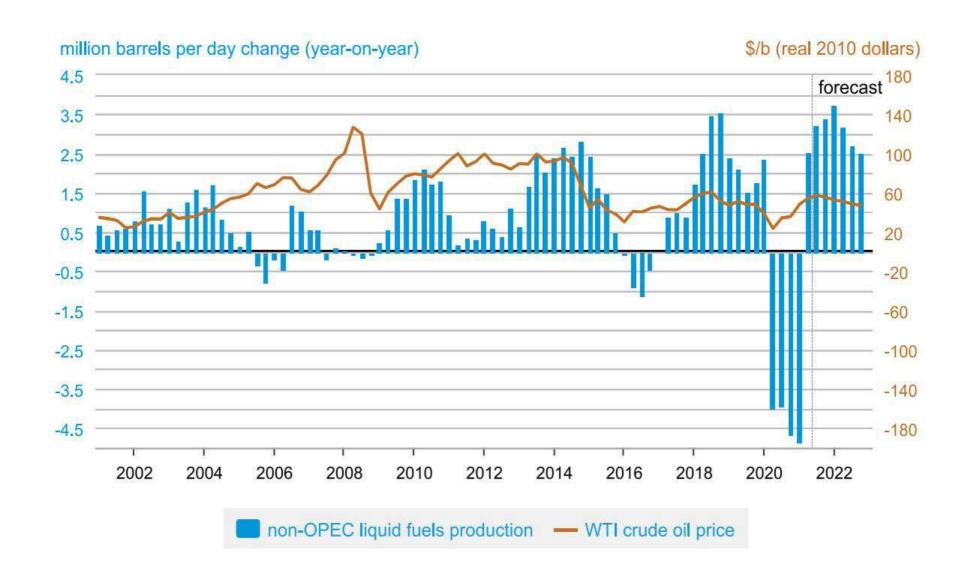
In OECD countries, price increases have coincided with lower consumption



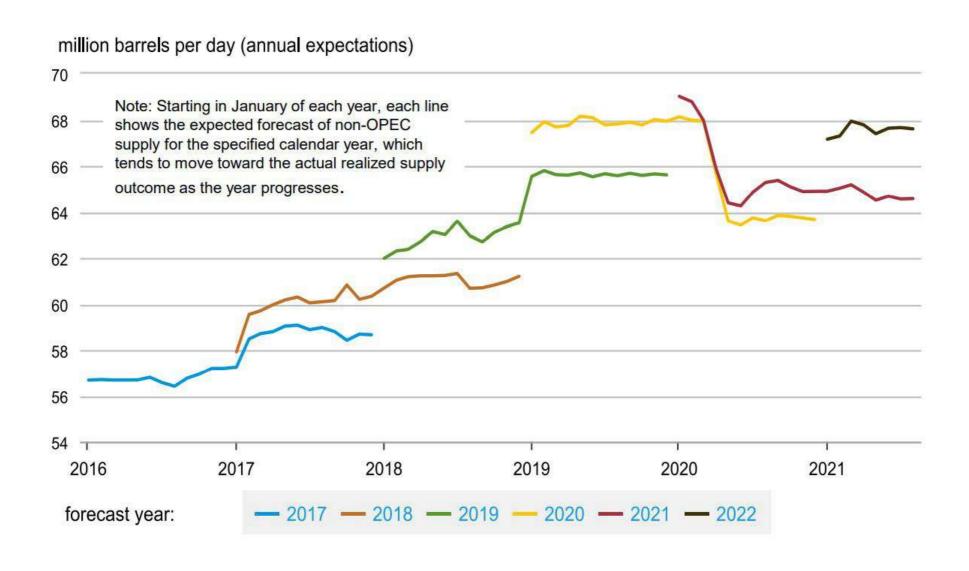
Rising oil prices held down global oil consumption growth from 2005-2008, despite high economic growth



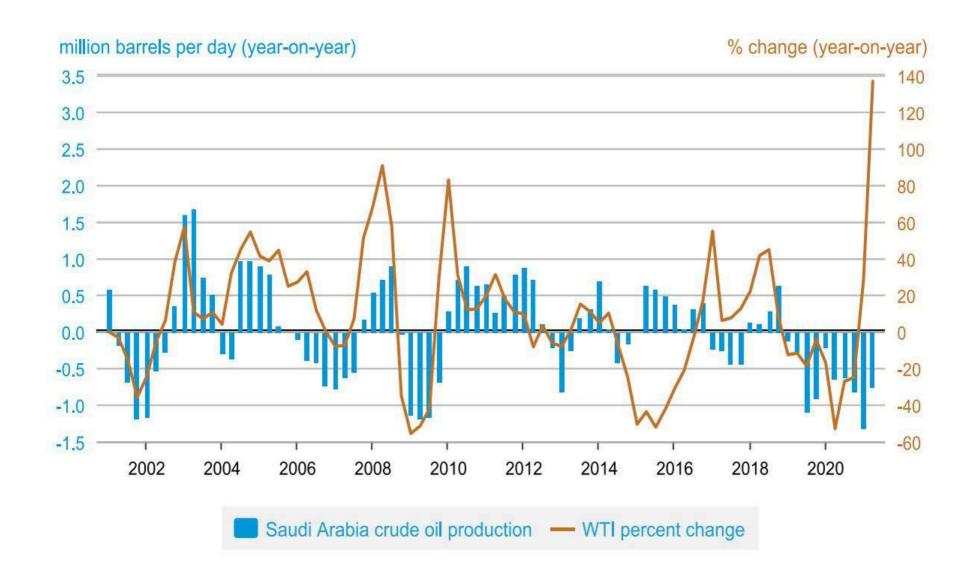
Changes in non-OPEC production can affect oil prices



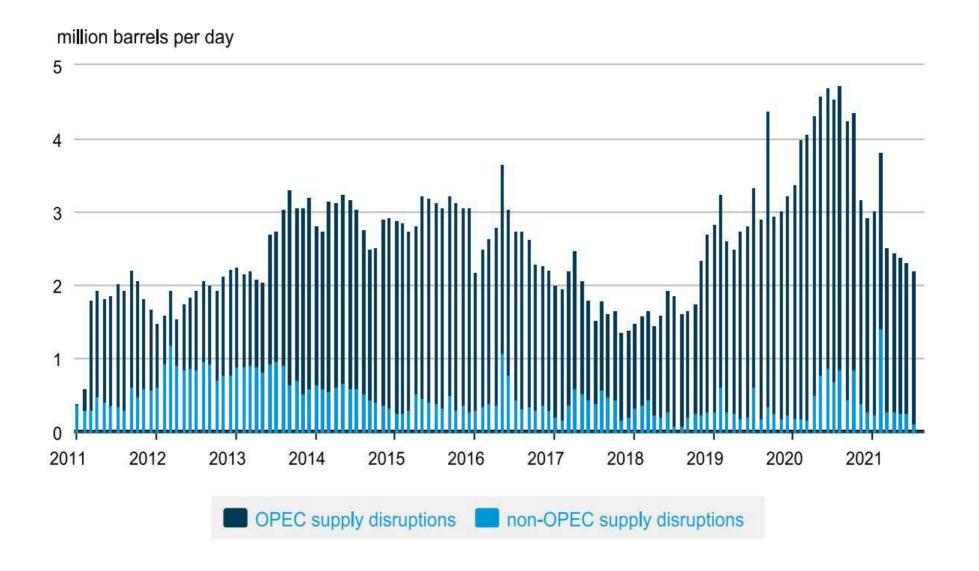
Non-OPEC supply expectations indicate changes in market sentiment concerning oil supply



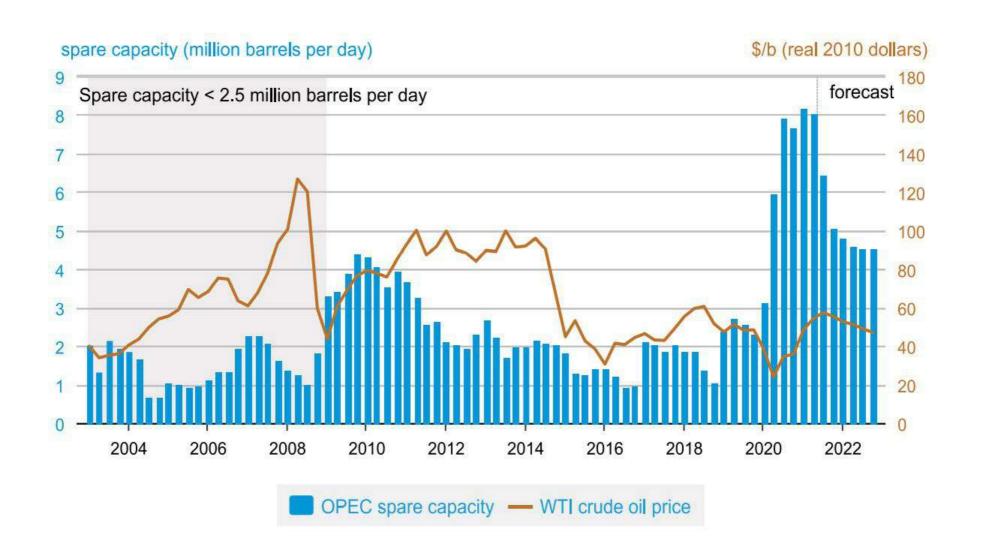
Changes in Saudi Arabia crude oil production can affect oil prices



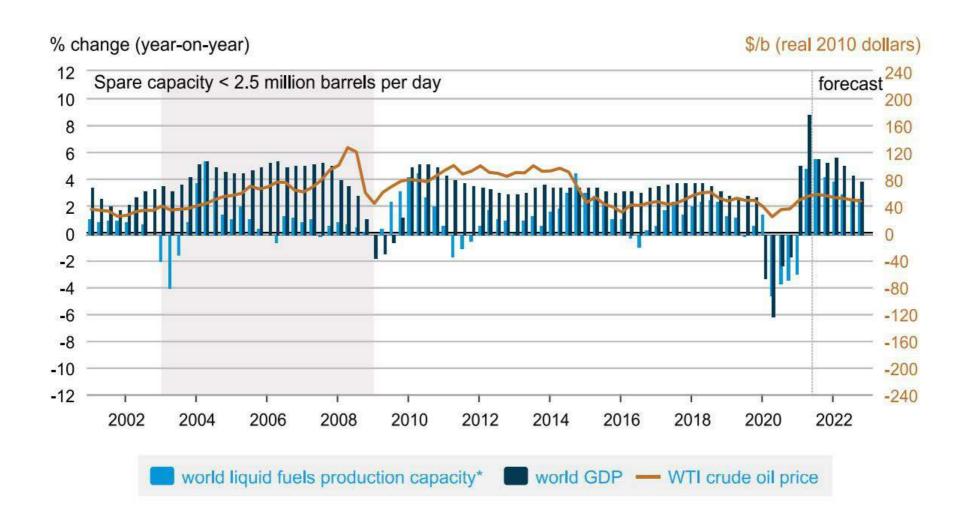
Unplanned supply disruptions tighten world oil markets and push prices higher



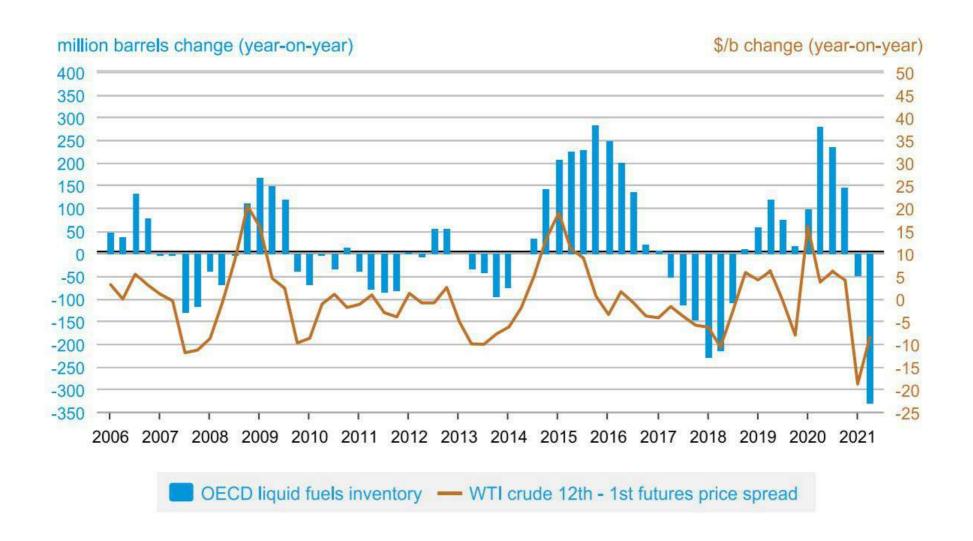
During 2003-2008, OPEC's spare production levels were low, limiting its ability to respond to demand and price increases



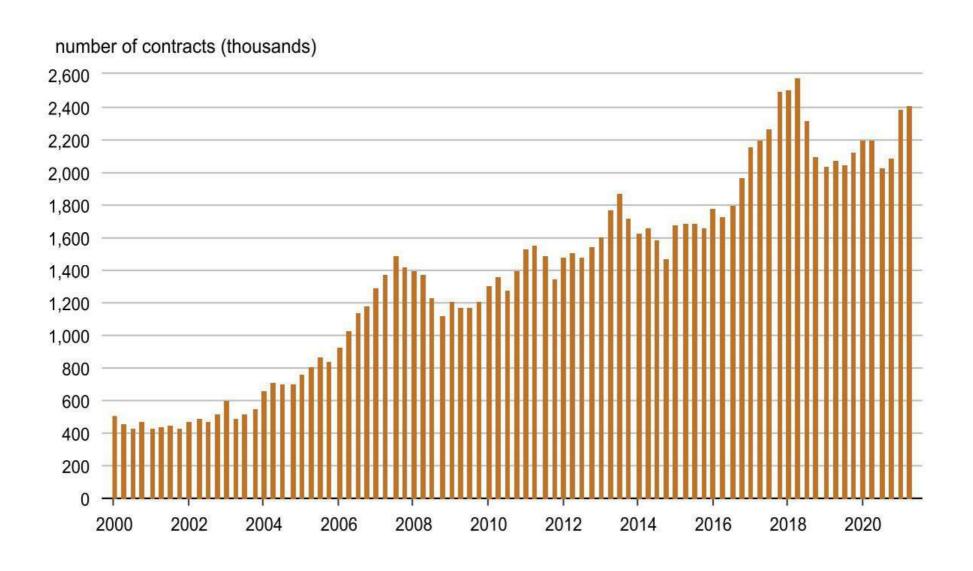
The years 2003-2008 experienced periods of very strong economic and oil demand growth, slow supply growth and tight spare capacity



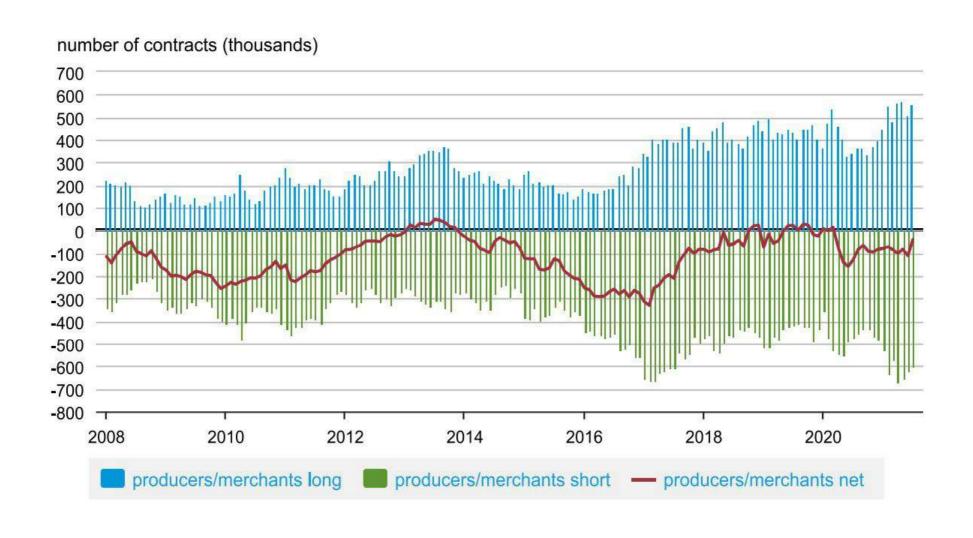
Inventory builds go hand-in-hand with increases in future oil prices *relative to* current prices (and vice versa)



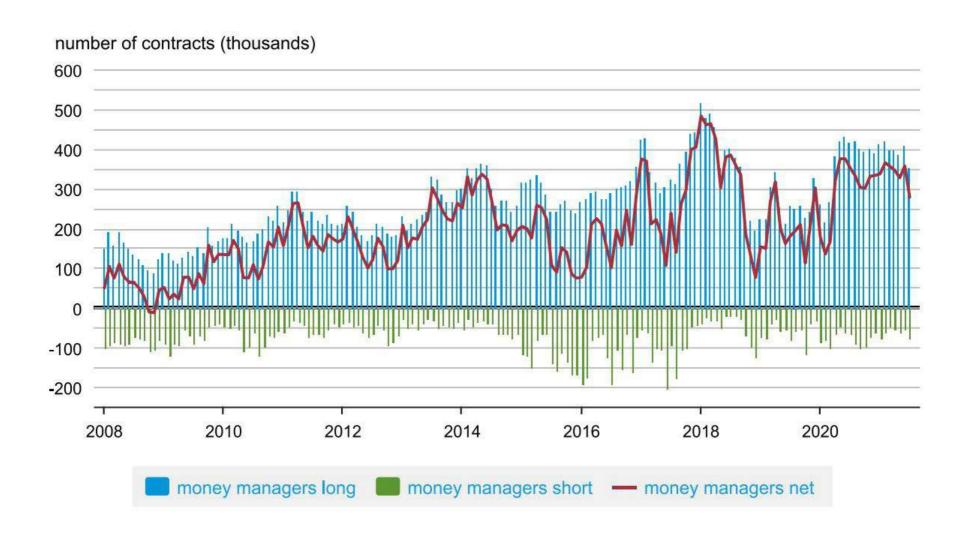
Open interest in crude oil futures grew over the last decade as more participants entered the market



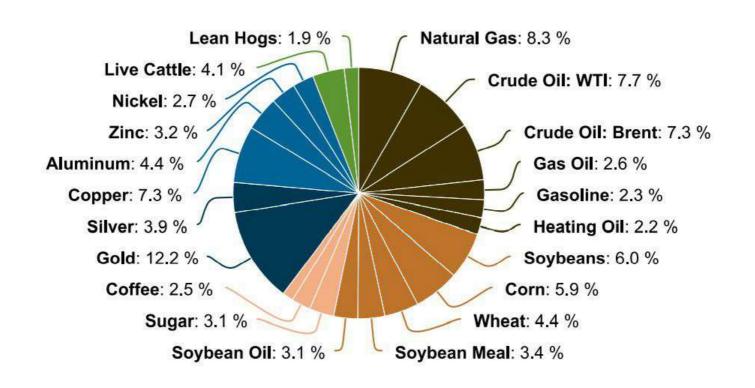
Physical participants' (producers, merchants, processors, and end users) U.S. futures market contract positions



Money managers tend to be net long in the U.S. oil futures market



Crude oil plays a major role in commodity investment

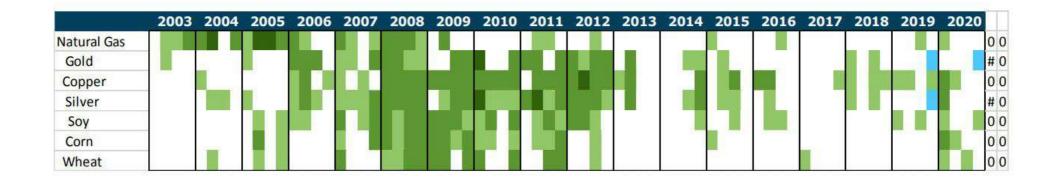




Commodity index investment flows have tended to move together with commodity prices



Correlations (+ or -) between daily price changes of crude oil futures and other commodities generally rose in recent years



Correlations (+ or -) between daily returns on crude oil futures and financial investments have also strengthened

