

Global economy at the start of 2022

Selected indicators

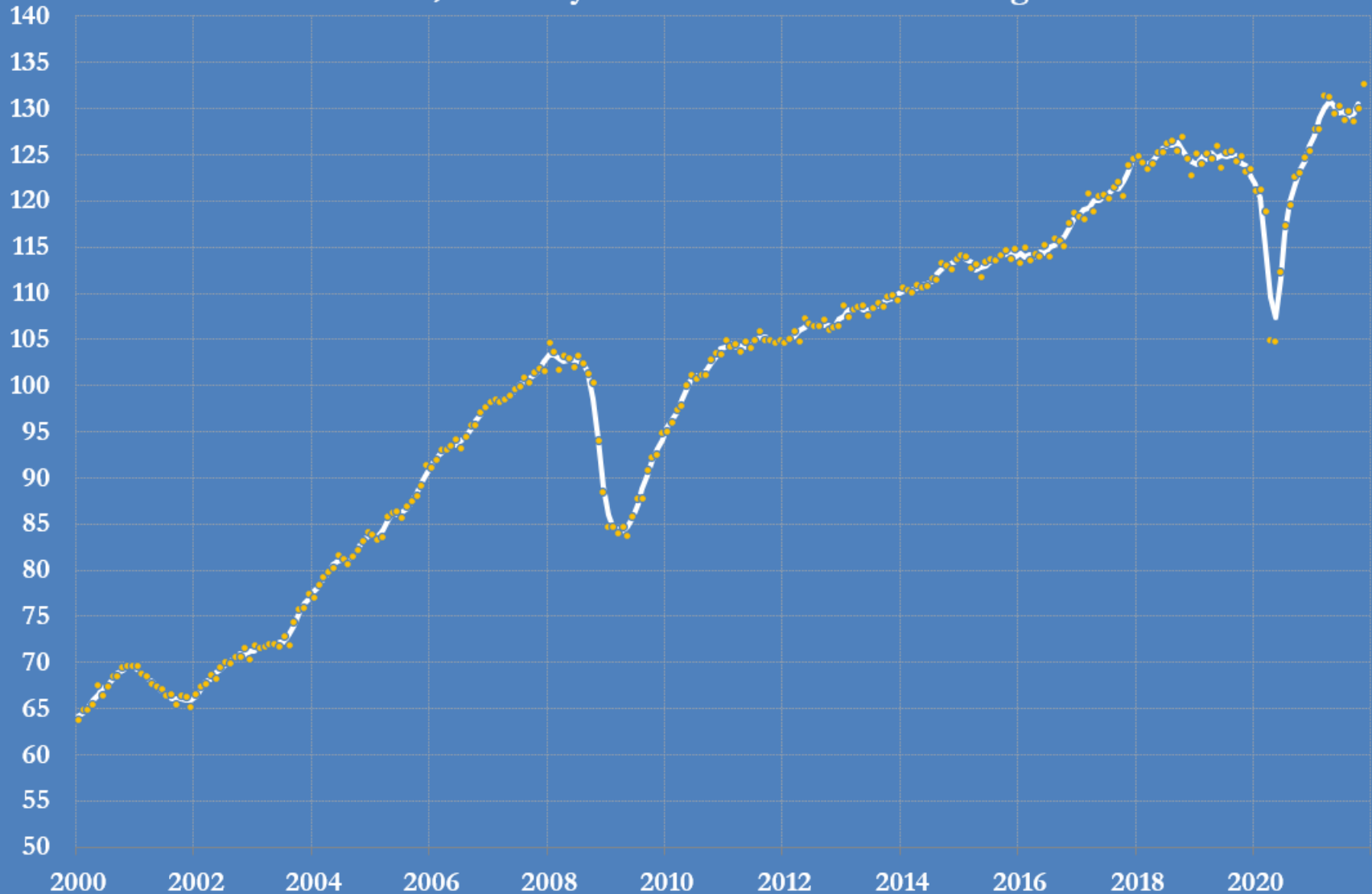
JOHN KEMP

REUTERS

26 Jan 2022

Volume of World Trade, 2000-2021

Index, monthly and 3-month centred average

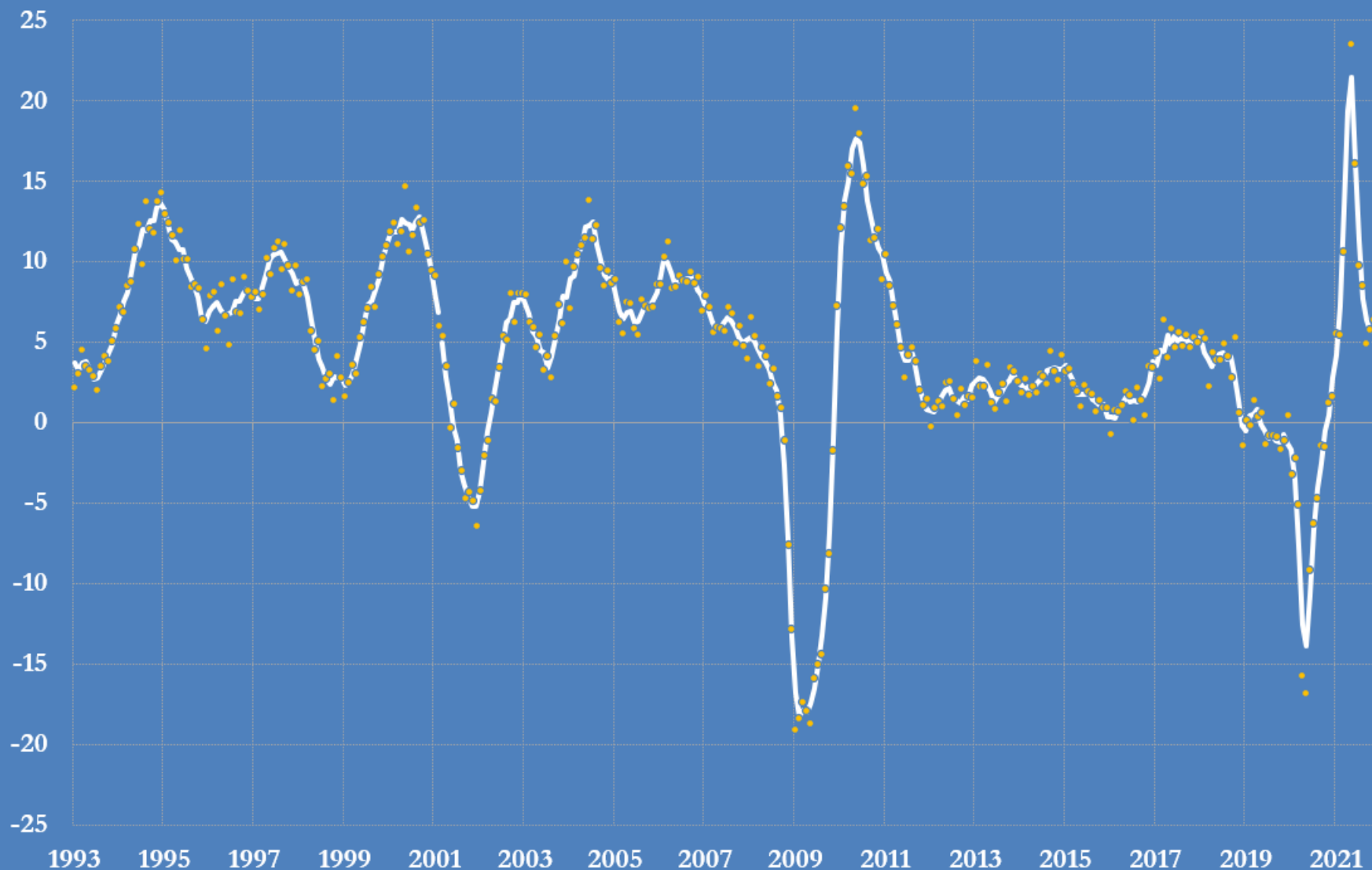


Source: Netherlands Bureau for Economic Policy Analysis, *World Trade Monitor*

@JKempEnergy

Volume of World Trade, 1993-2021

percent change from prior year, monthly and three-month centred average

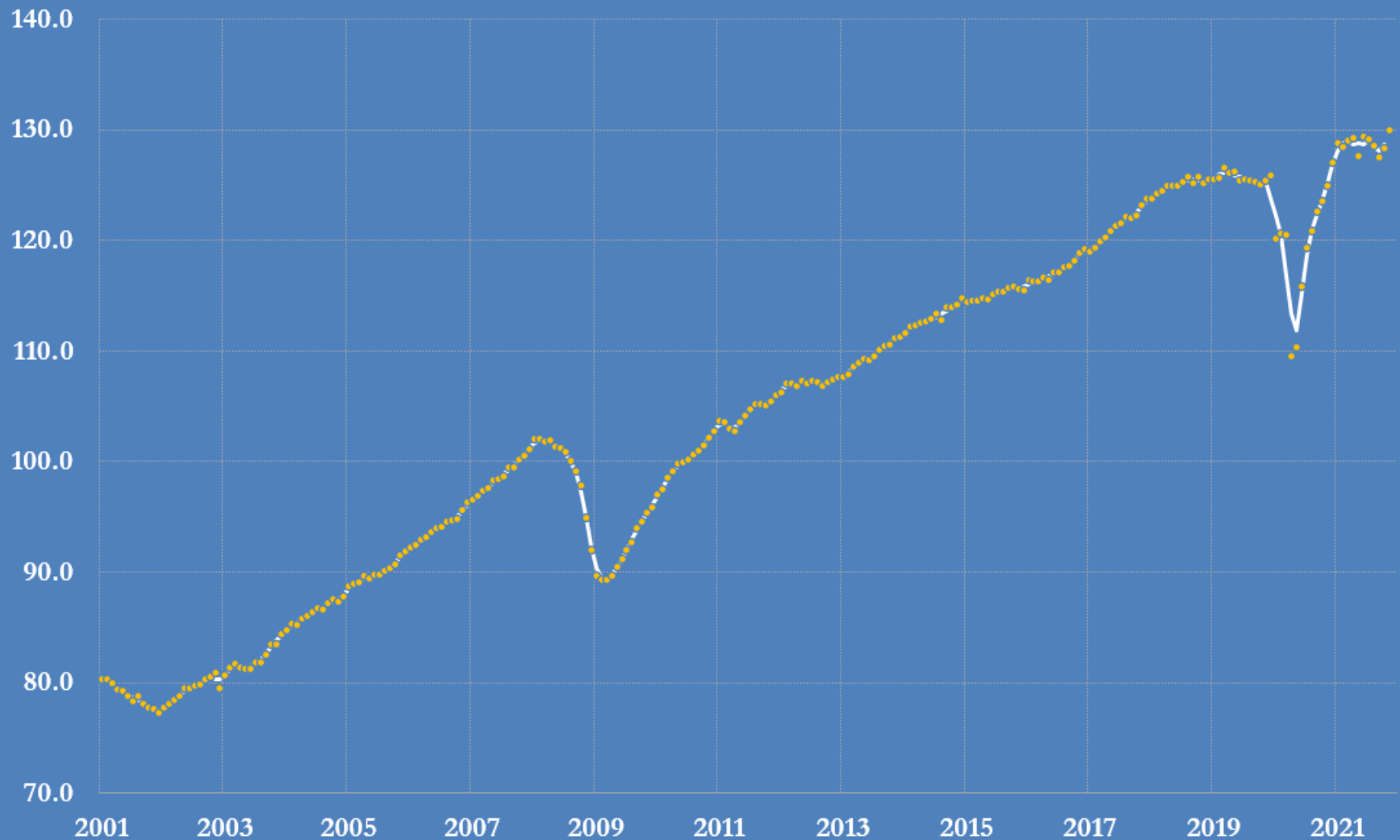


Source: Netherlands Bureau for Economic Policy Analysis, *World Trade Monitor*

@JKempEnergy

Global industrial production, 2001-2021

production-weighted index, monthly and three-month centred average

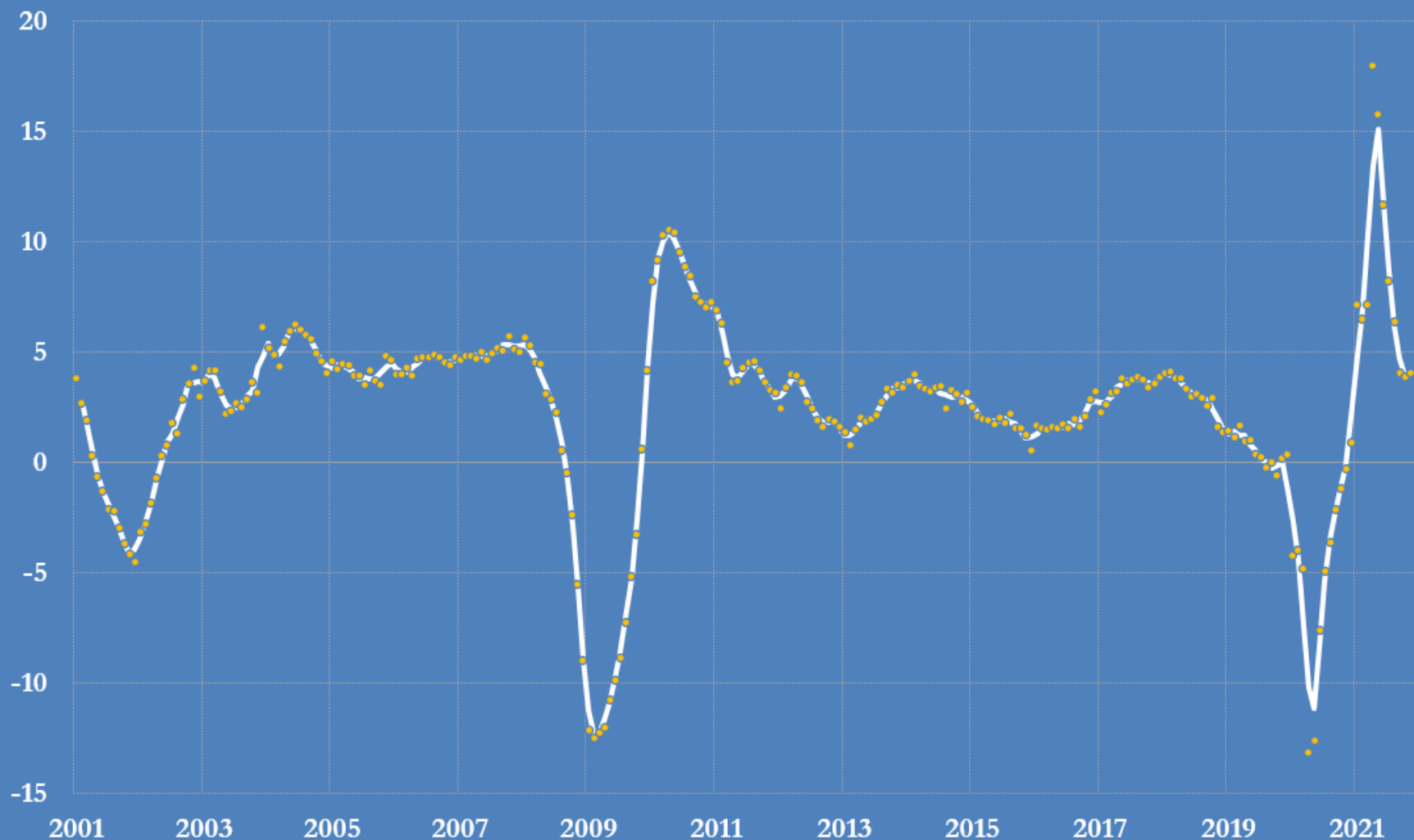


Source: Netherlands Bureau of Economic Policy Analysis, *World Trade Monitor*

@JKempEnergy

Global industrial production, 2001-2021

production-weighted
percent change from prior year, monthly and three-month centred average



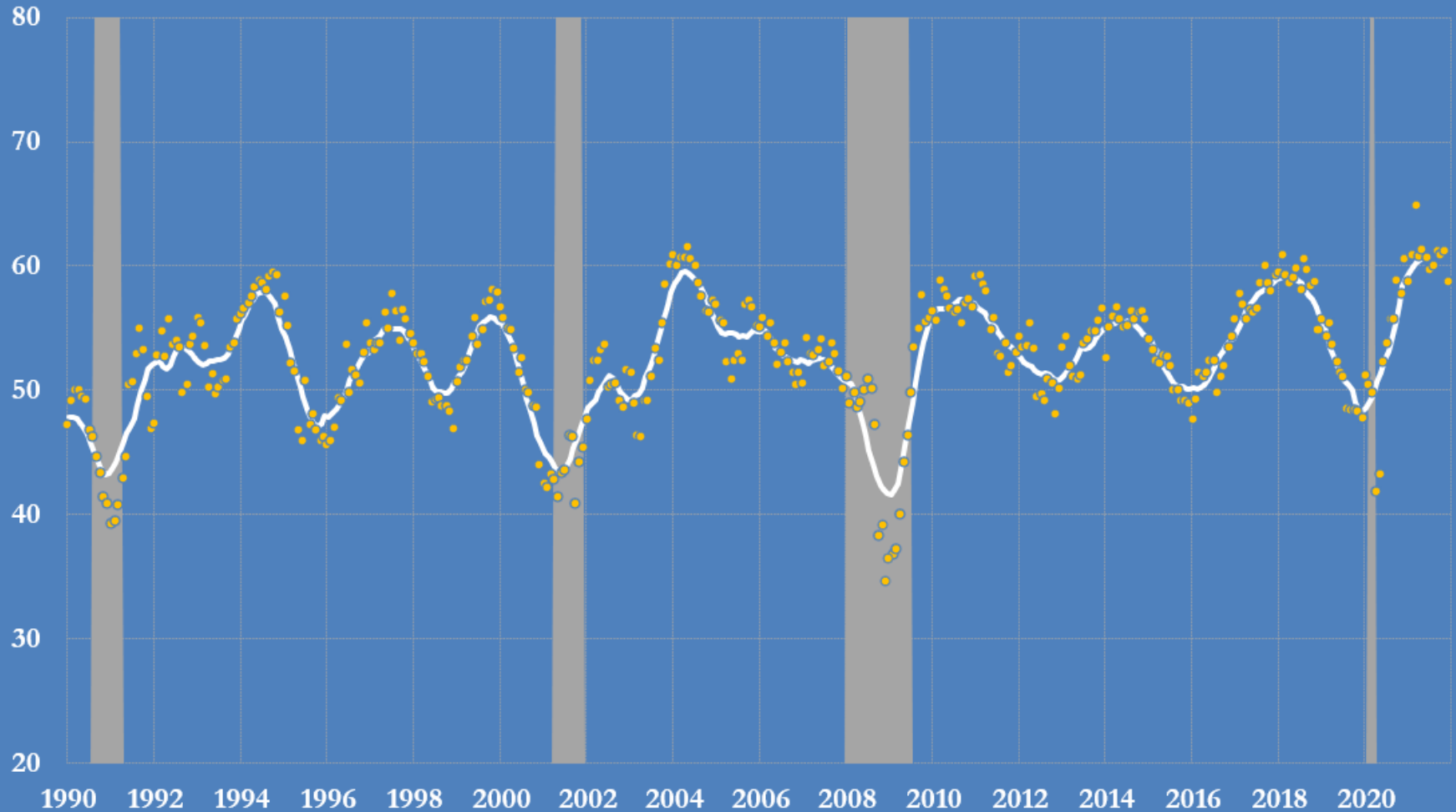
Source: Netherlands Bureau of Economic Policy Analysis, *World Trade Monitor*

@JKempEnergy

U.S. Purchasing Managers' Index, 1990-2021

Manufacturing, diffusion index, base = 50

Monthly and 12-month centred average



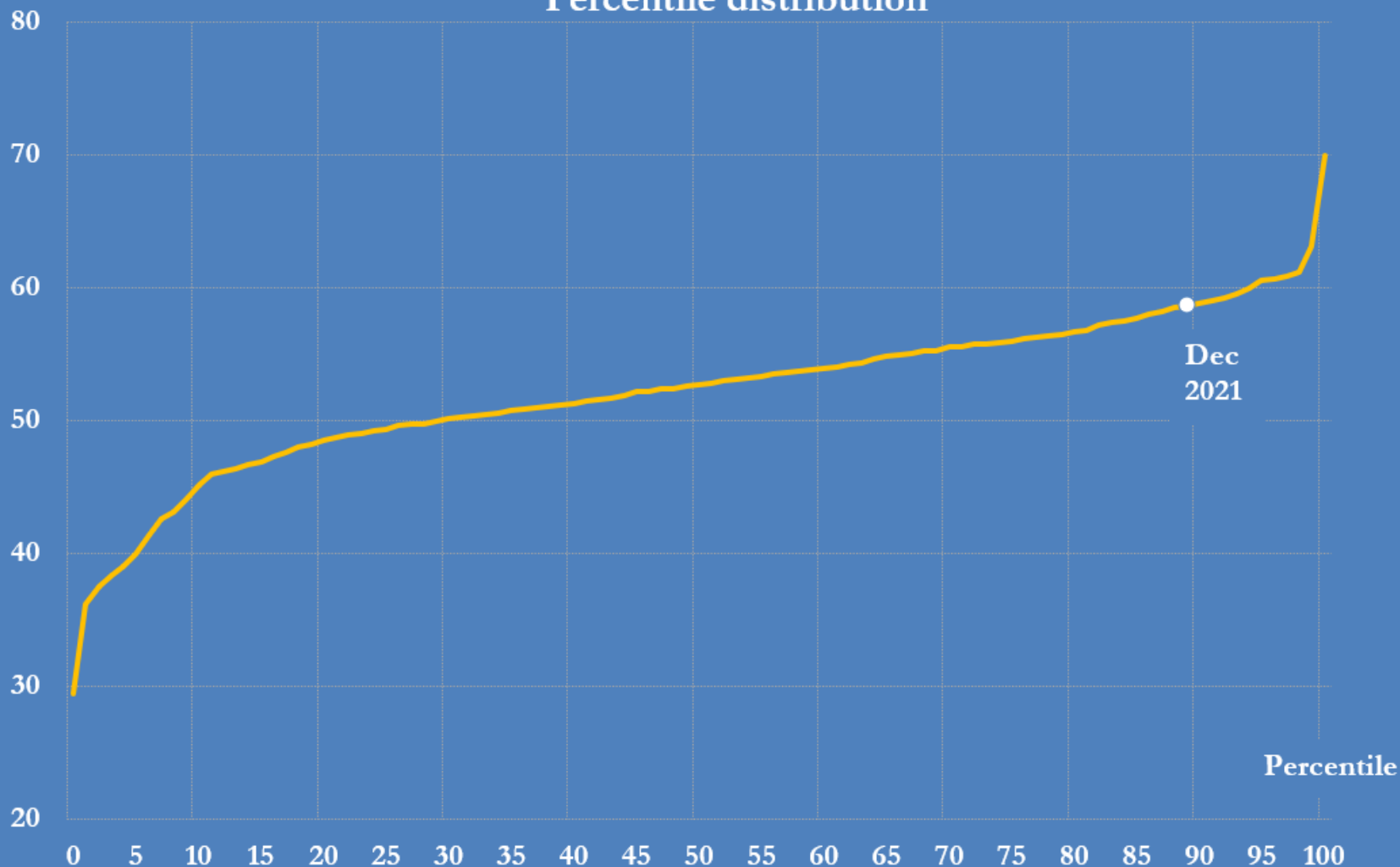
Source: Institute for Supply Management, *Manufacturing Report on Business*

@JKempEnergy

U.S. Purchasing Managers' Index, 1980-2021

Diffusion index, base = 50

Percentile distribution

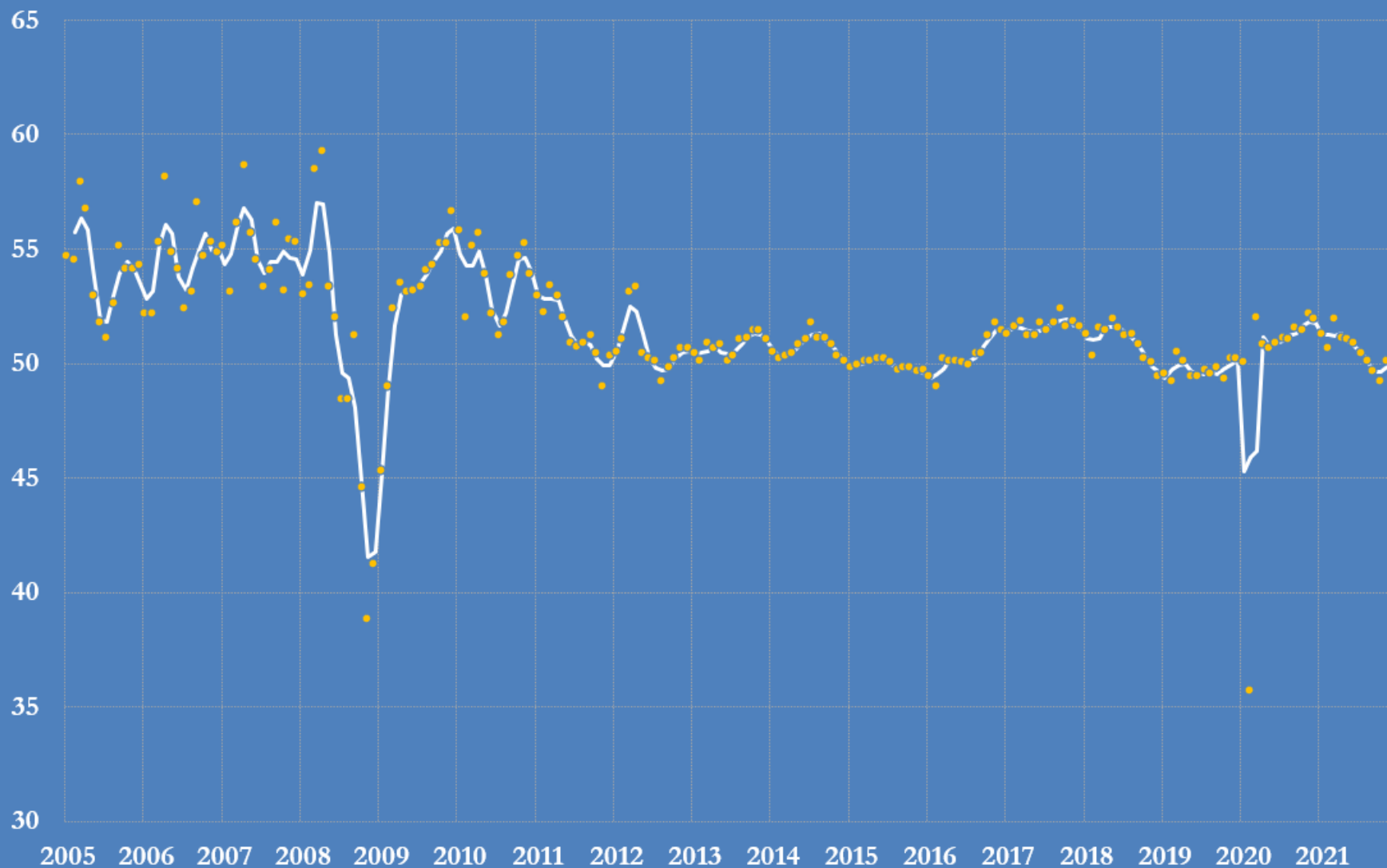


Source: Institute for Supply Management, Manufacturing Report on Business

@JKempEnergy

China purchasing managers' index, 2005-2021

Manufacturing sector, monthly and 3-month centred average

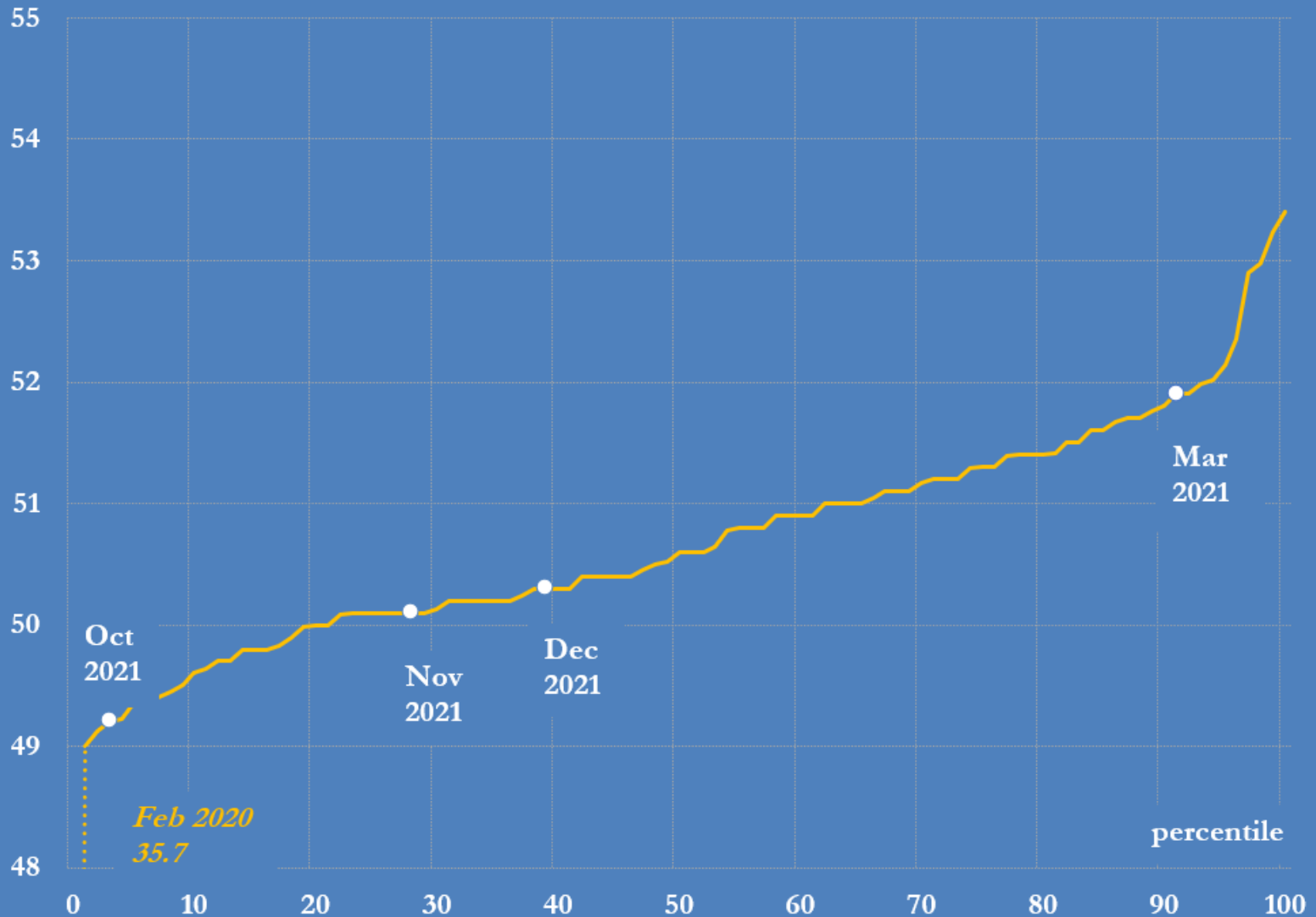


Source: China National Bureau of Statistics

@JKempEnergy

China purchasing managers' index, 2011-2021

Manufacturing sector, monthly, percentile distribution

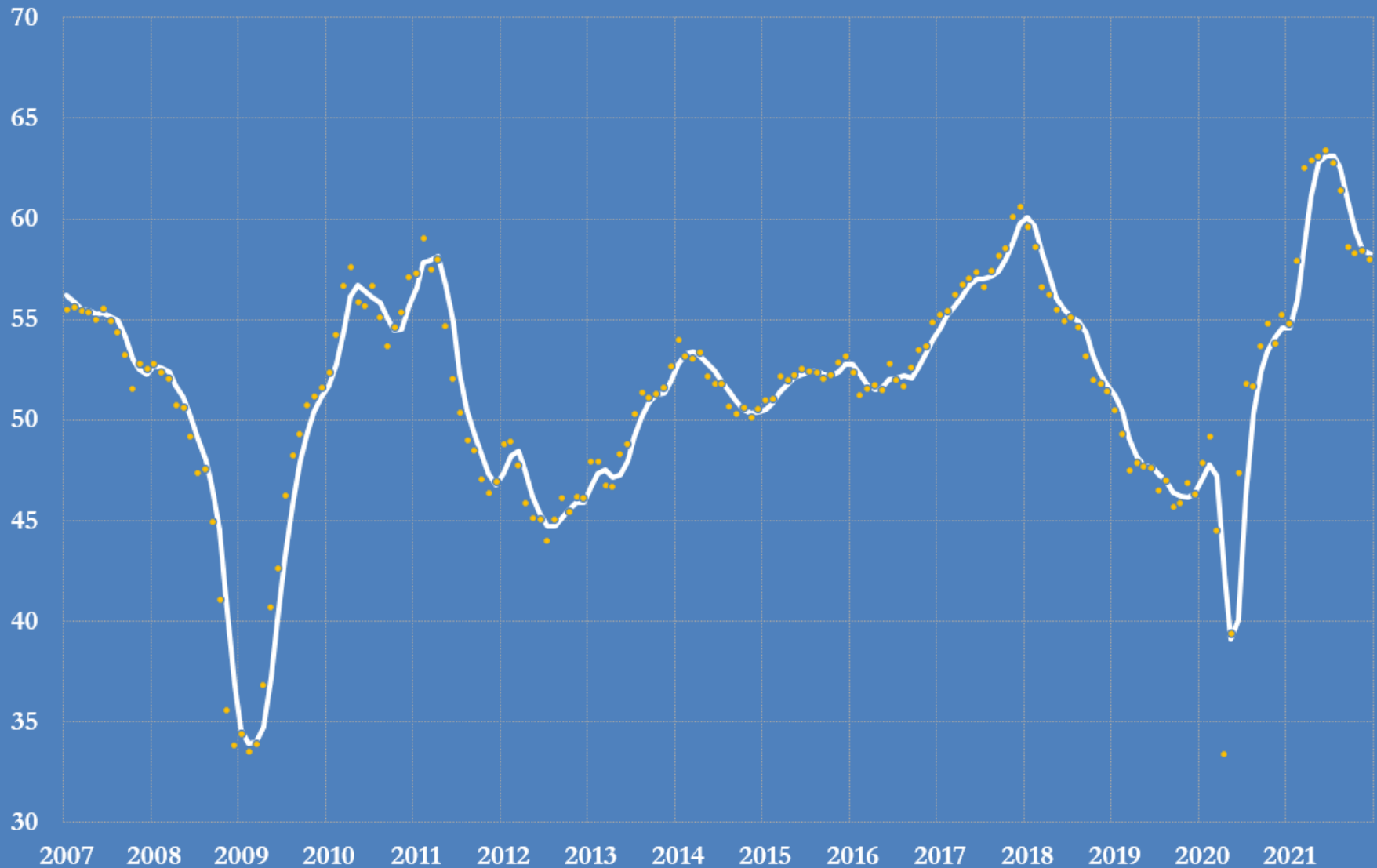


Source: China National Bureau of Statistics

@JKempEnergy

Eurozone manufacturing purchasing managers' index, 2007-2021

Index base = 50, monthly and three-month average

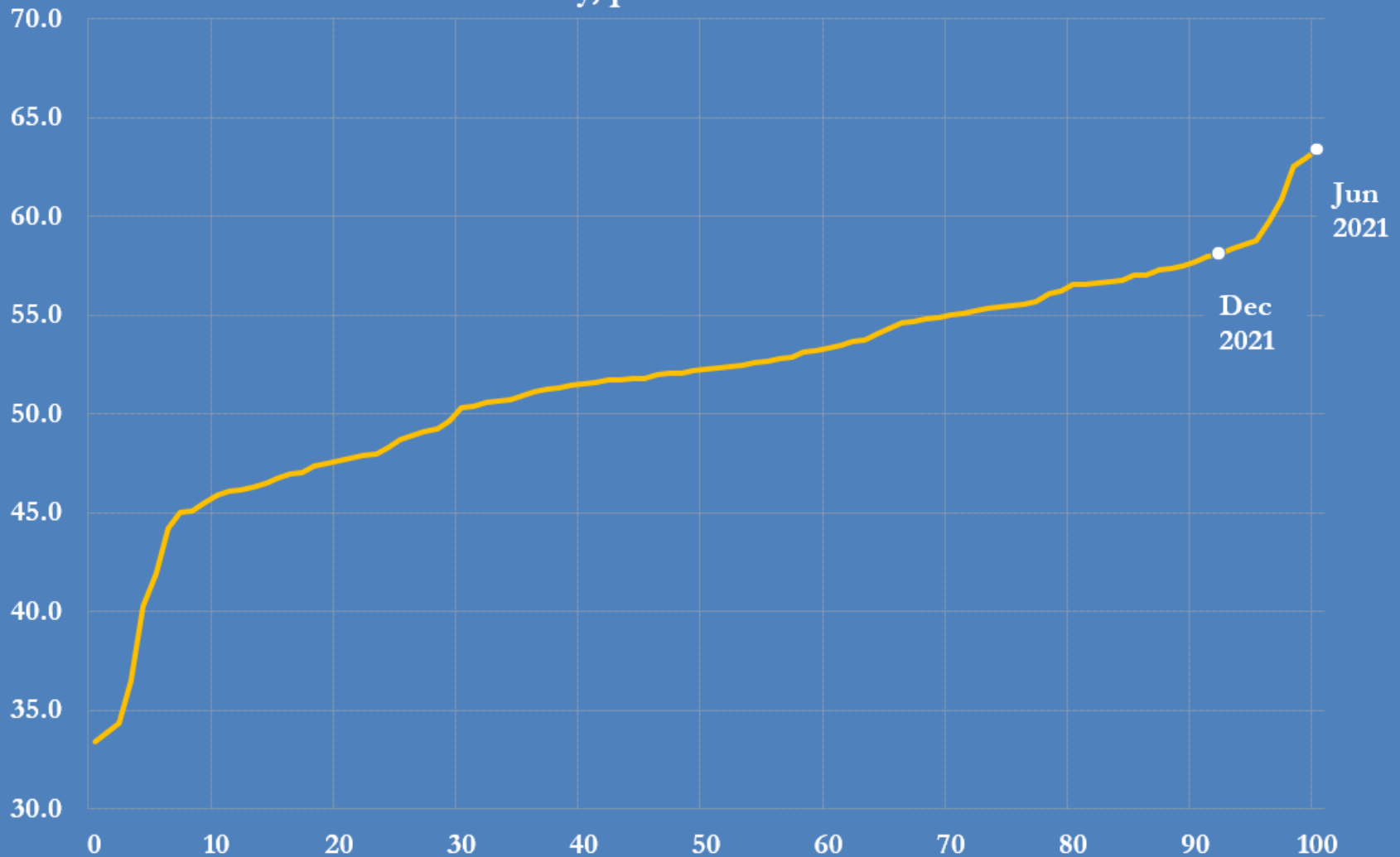


Source: IHSMarkit

@JKempEnergy

Eurozone manufacturing purchasing managers' index, 2006-2021

monthly, percentile distribution

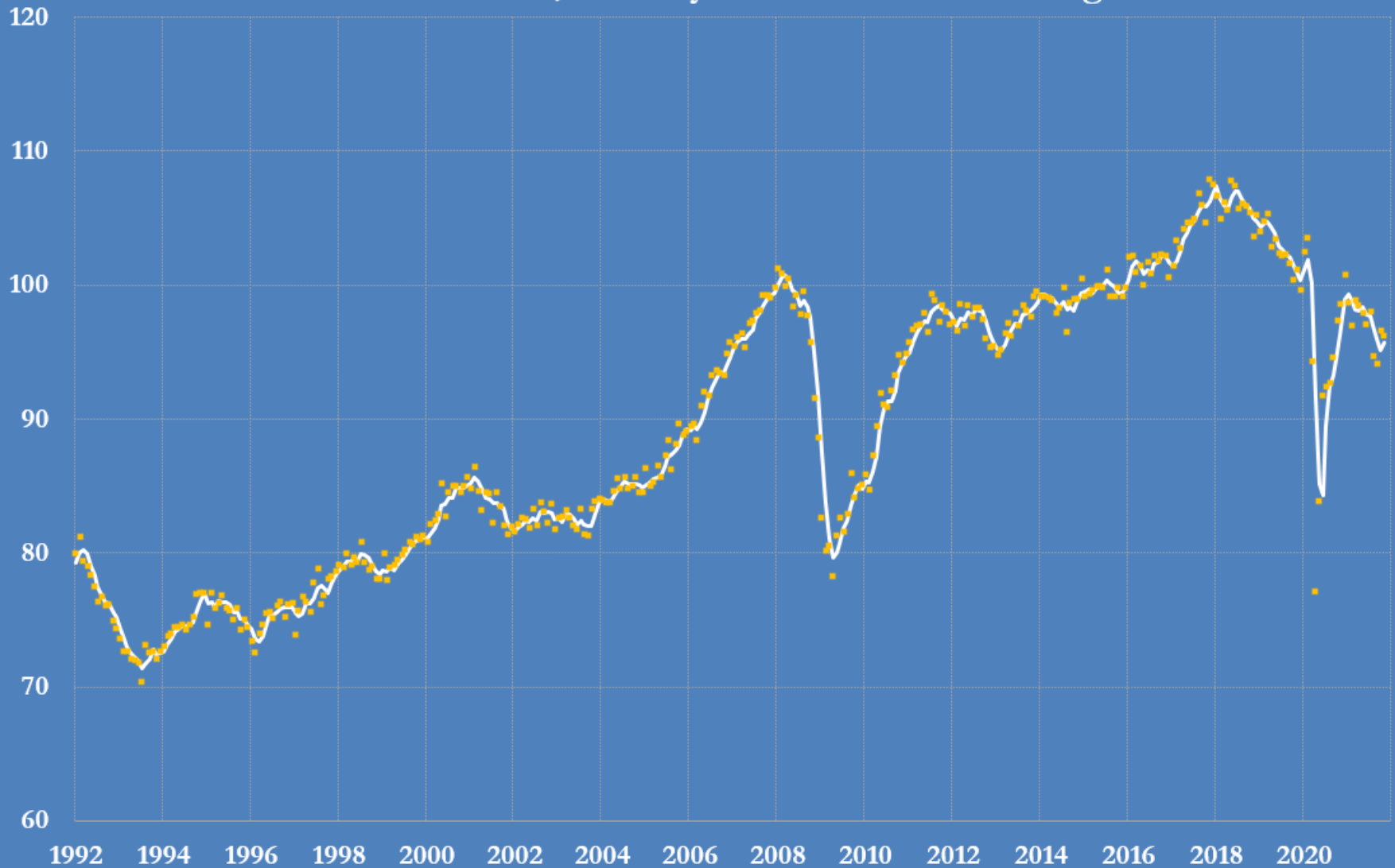


Source: IHSMarkit

@JKempEnergy

Germany industrial output, 1992-2021

index 2015 = 100, monthly and three-month average

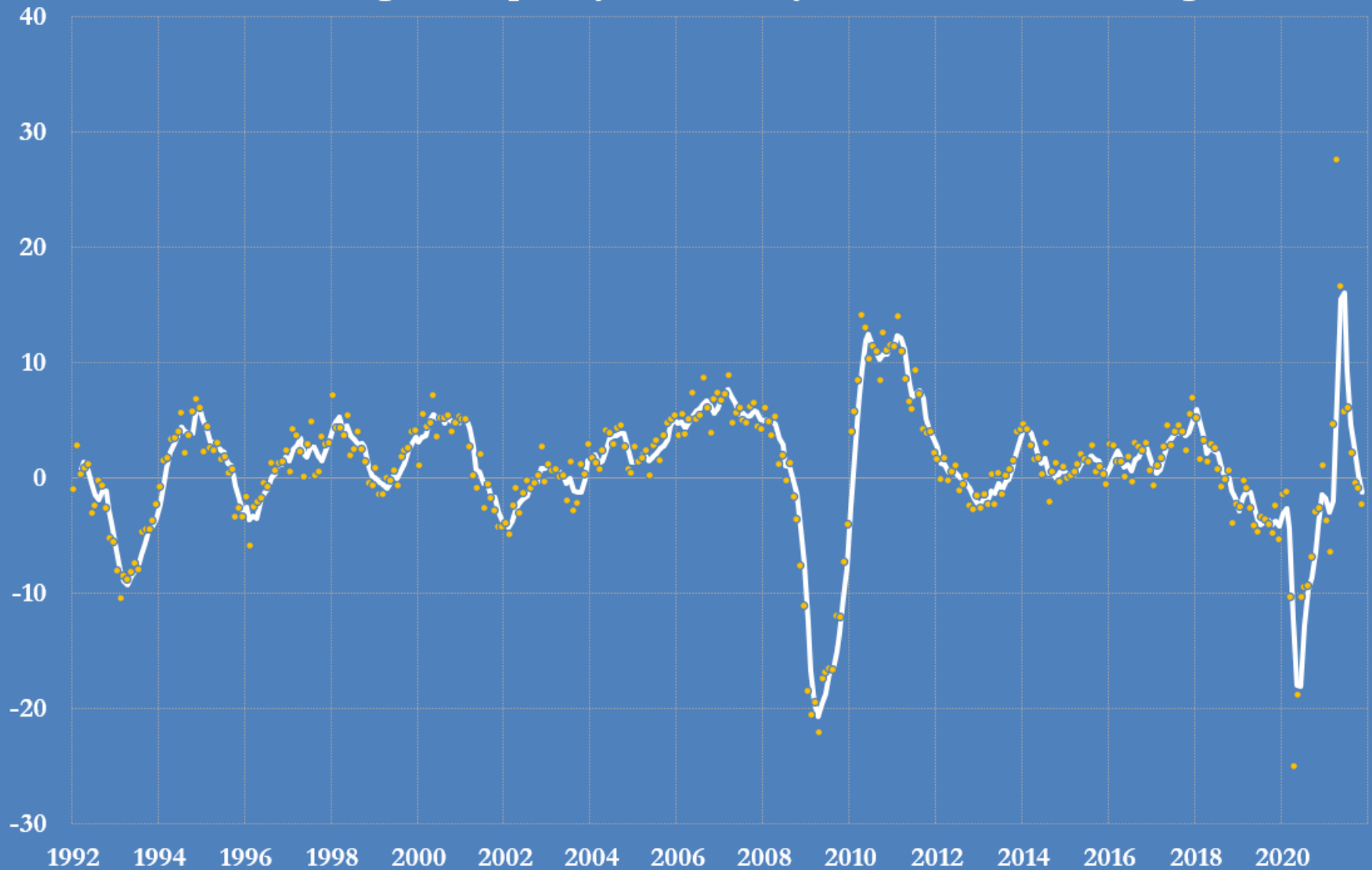


Source: German Federal Statistics Office

@JKempEnergy

Germany industrial output, 1992-2021

Percent change from prior year, monthly and three-month average

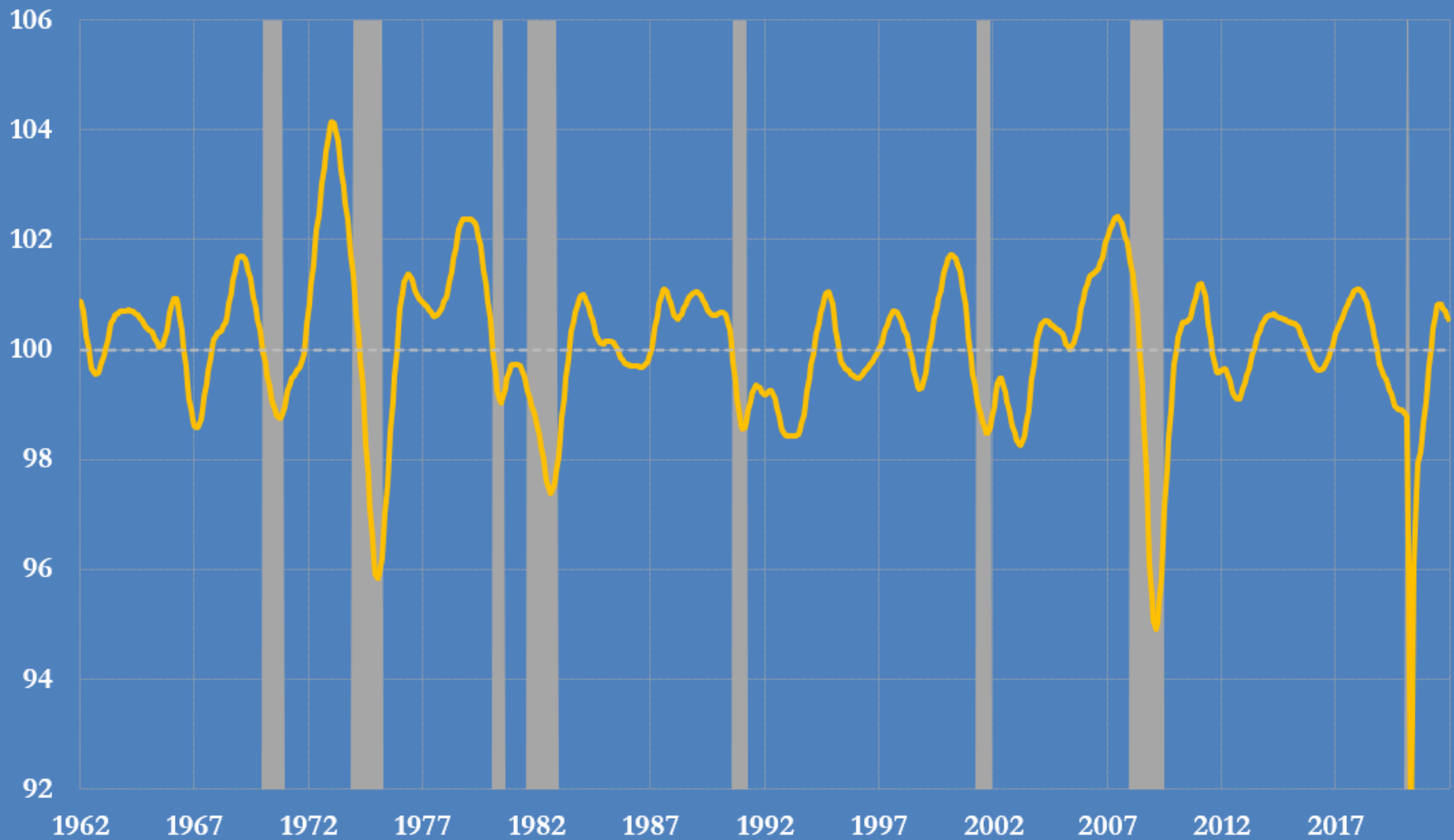


Source: German Federal Statistics Office

@JKempEnergy

OECD Composite Leading Indicator, 1962-2021

Long-term trend = 100, NBER U.S. recessions shown

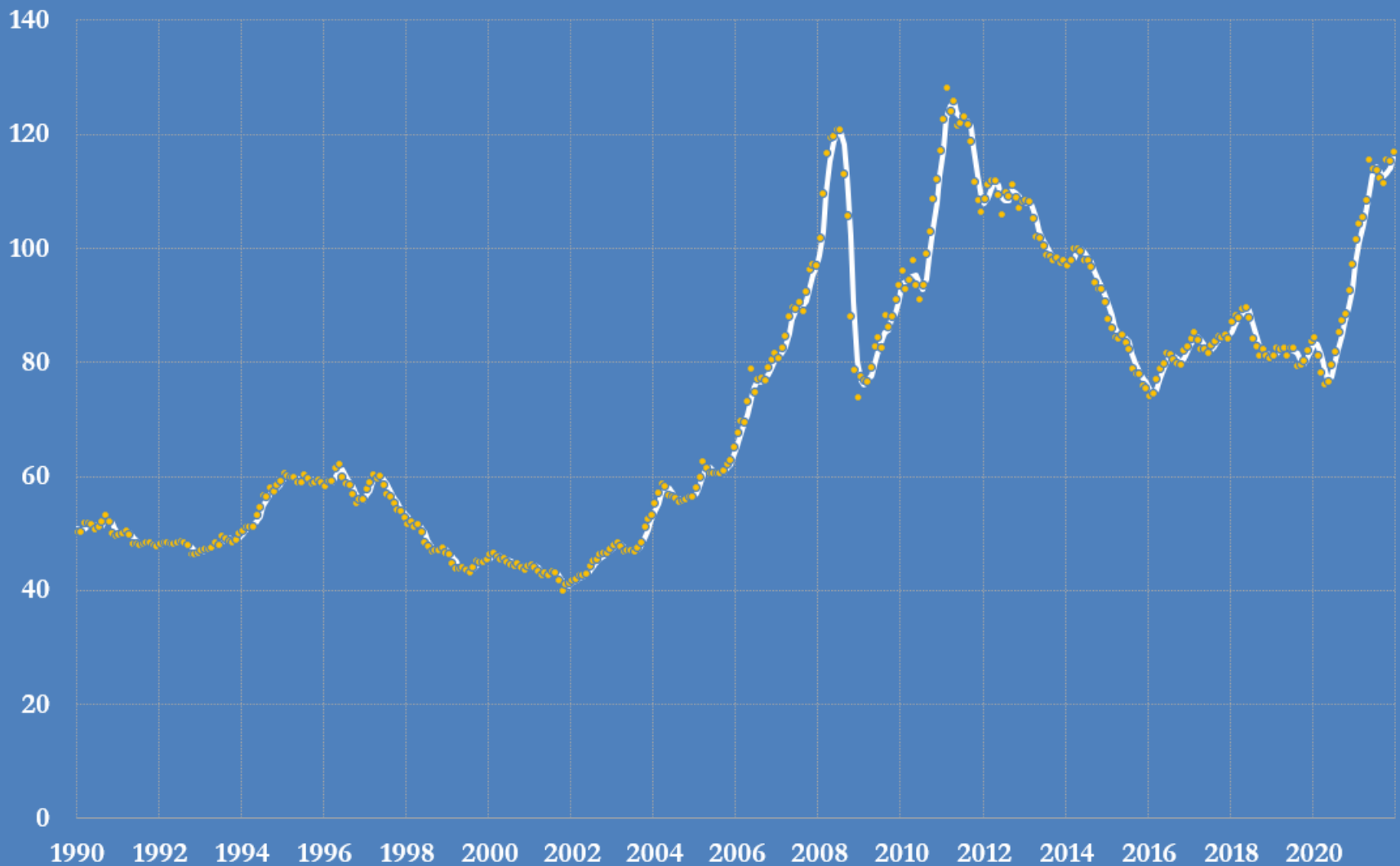


Source: OECD

@JKempEnergy

Non-energy commodity prices, 1990-2021

index, base 2010=100, monthly and three-month average

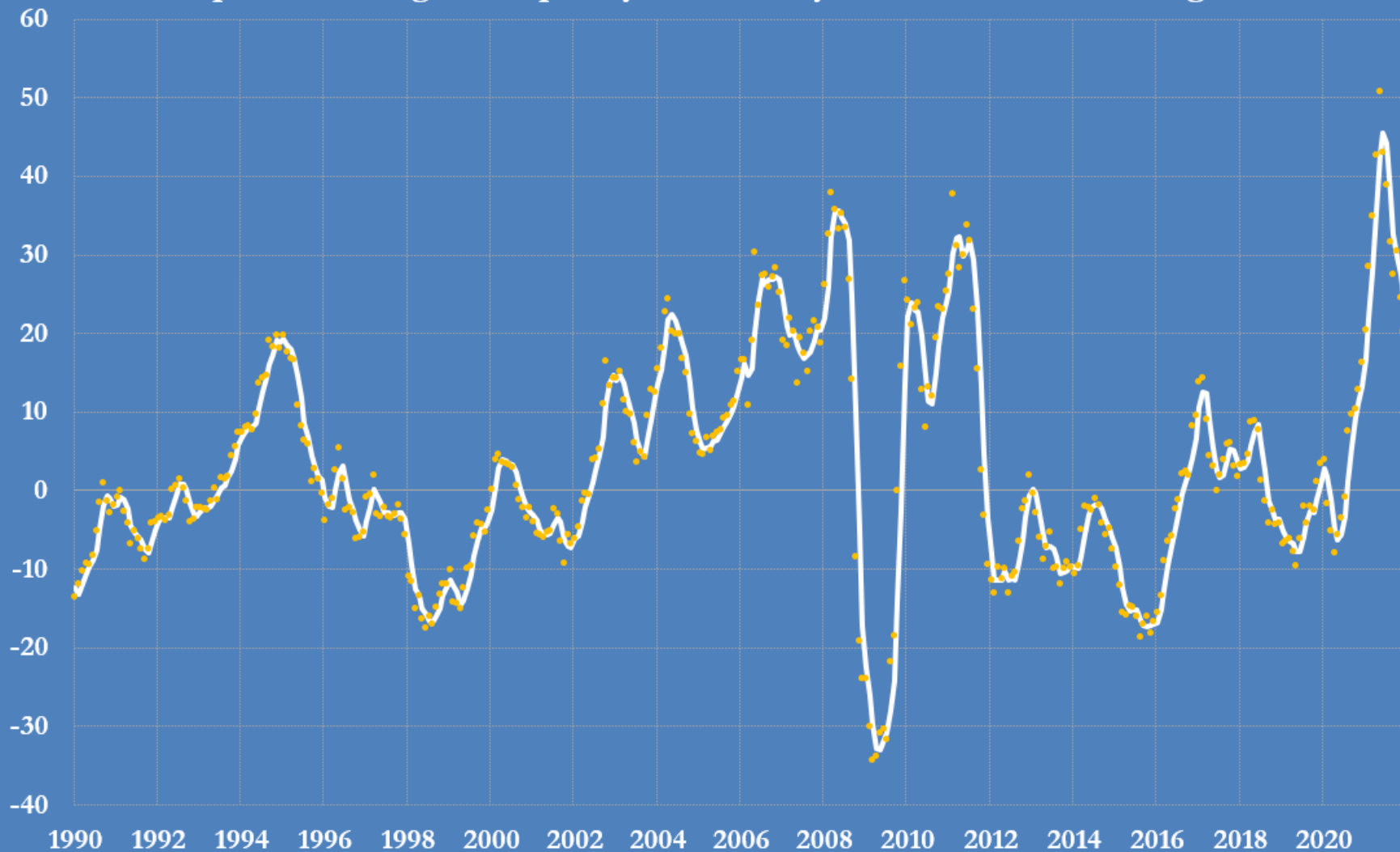


Source: World Bank

@JKempEnergy

Non-energy commodity prices, 1990-2021

percent change from prior year, monthly and three-month average

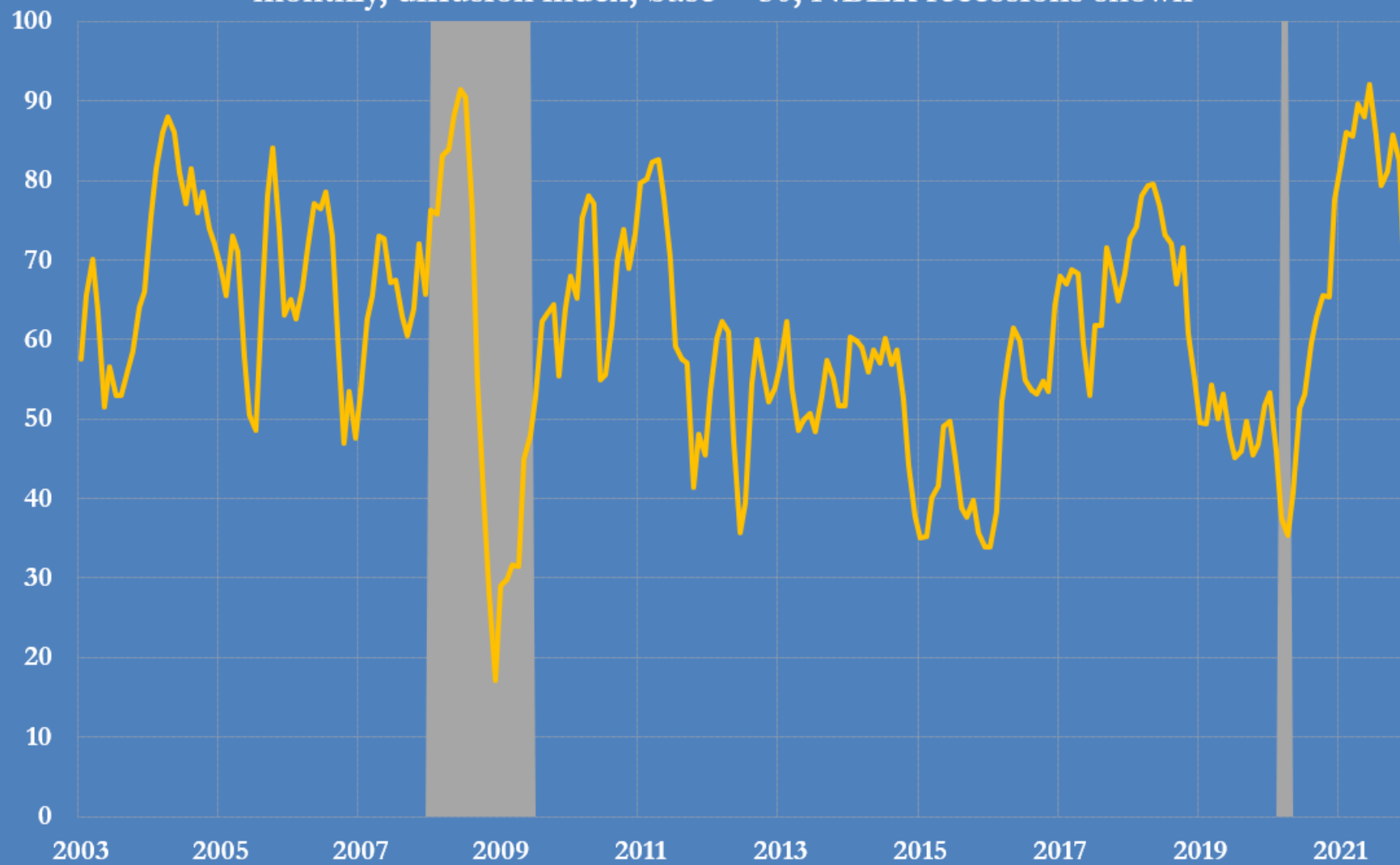


Source: World Bank

@JKempEnergy

U.S. ISM manufacturing prices paid index, 2003-2021

monthly, diffusion index, base = 50, NBER recessions shown



Source: U.S. Institute for Supply Management

South Korea's KOSPI-100 equity index, 2001-2021 end-month

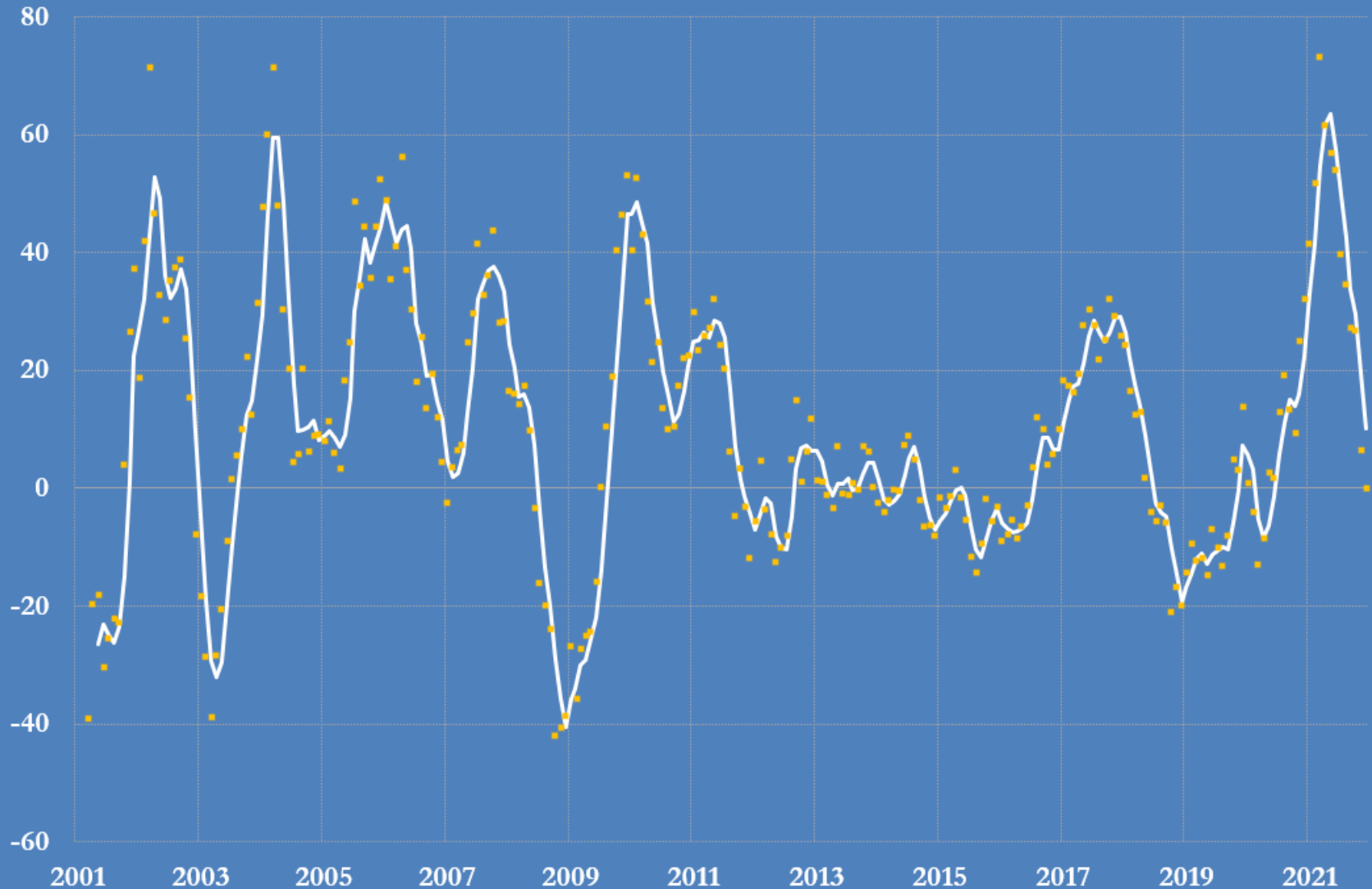


Source: Refinitiv Eikon

@JKempEnergy

South Korea's KOSPI-100 equity index, 2001-2021

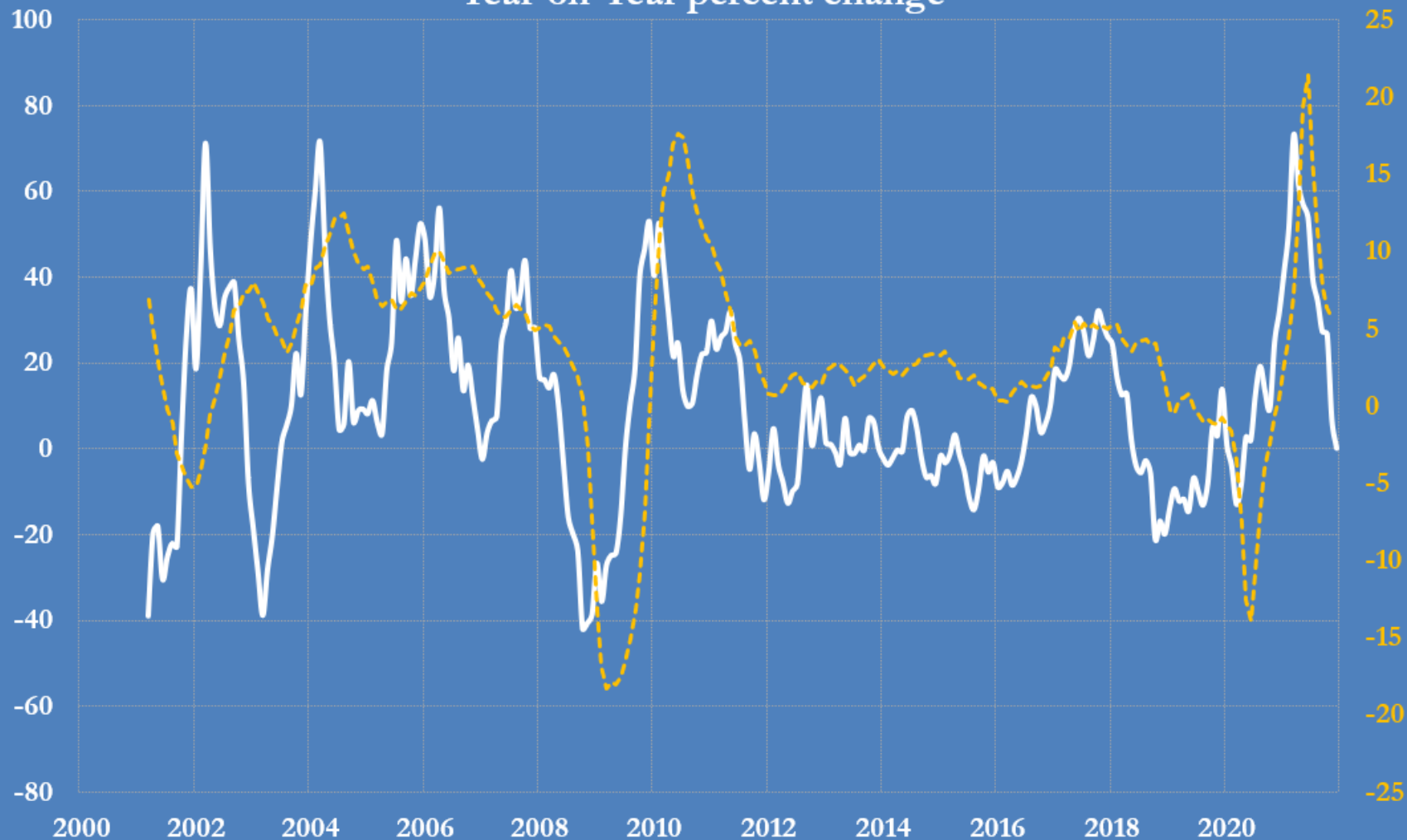
percent change from prior year, monthly and three-month average



Source: Refinitiv Eikon

@JKempEnergy

South Korea's KOSPI 100 equity index and world trade Year-on-Year percent change

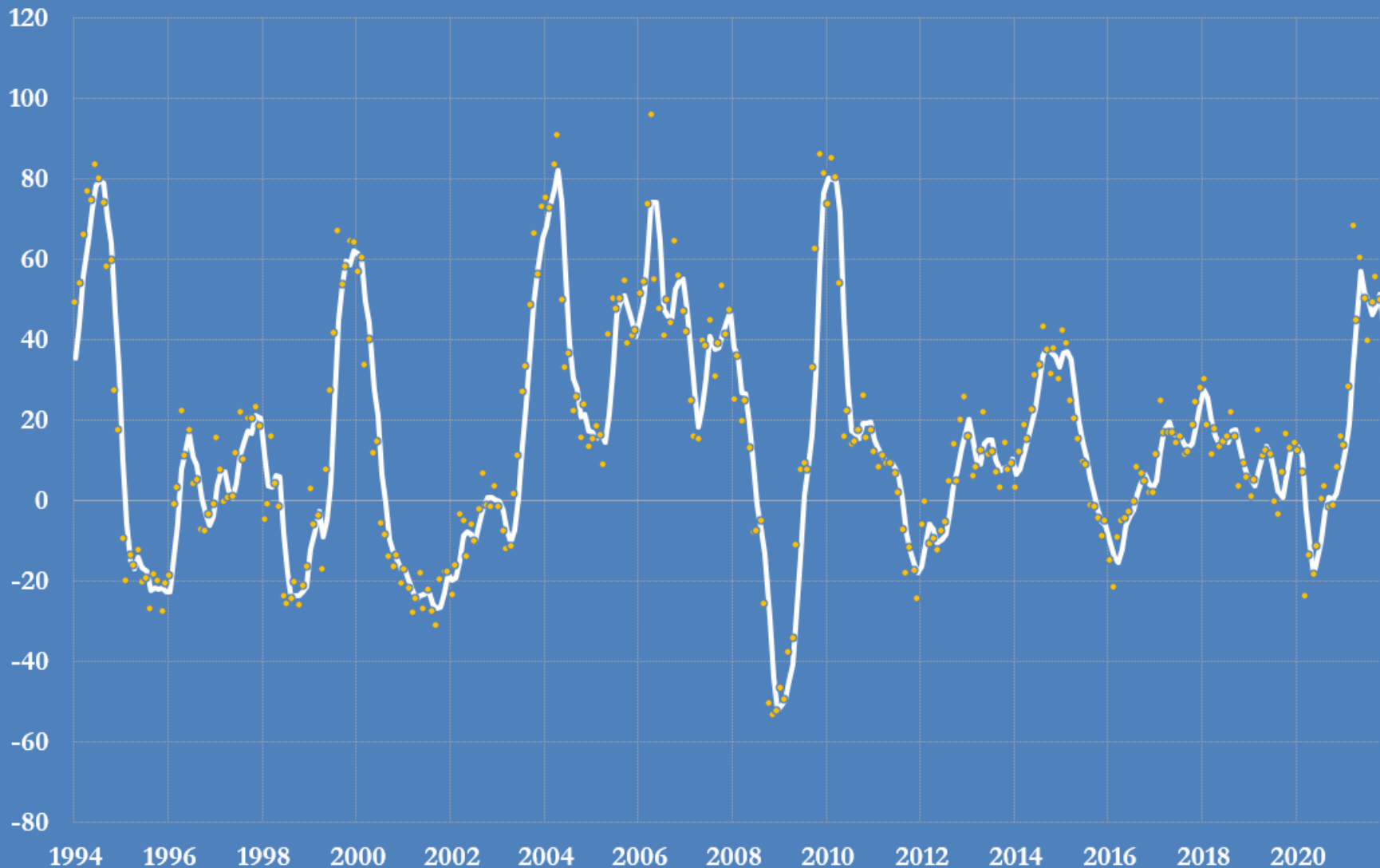


— KOSPI 100 share index (YoY percent change) (left-axis)
- - - World trade volumes (YoY percent change) (right-axis)

Source: CPB, Refinitiv Eikon
@JKempEnergy

India's SENSEX equity index, 1994-2021

percent change from prior year, monthly and three-month average

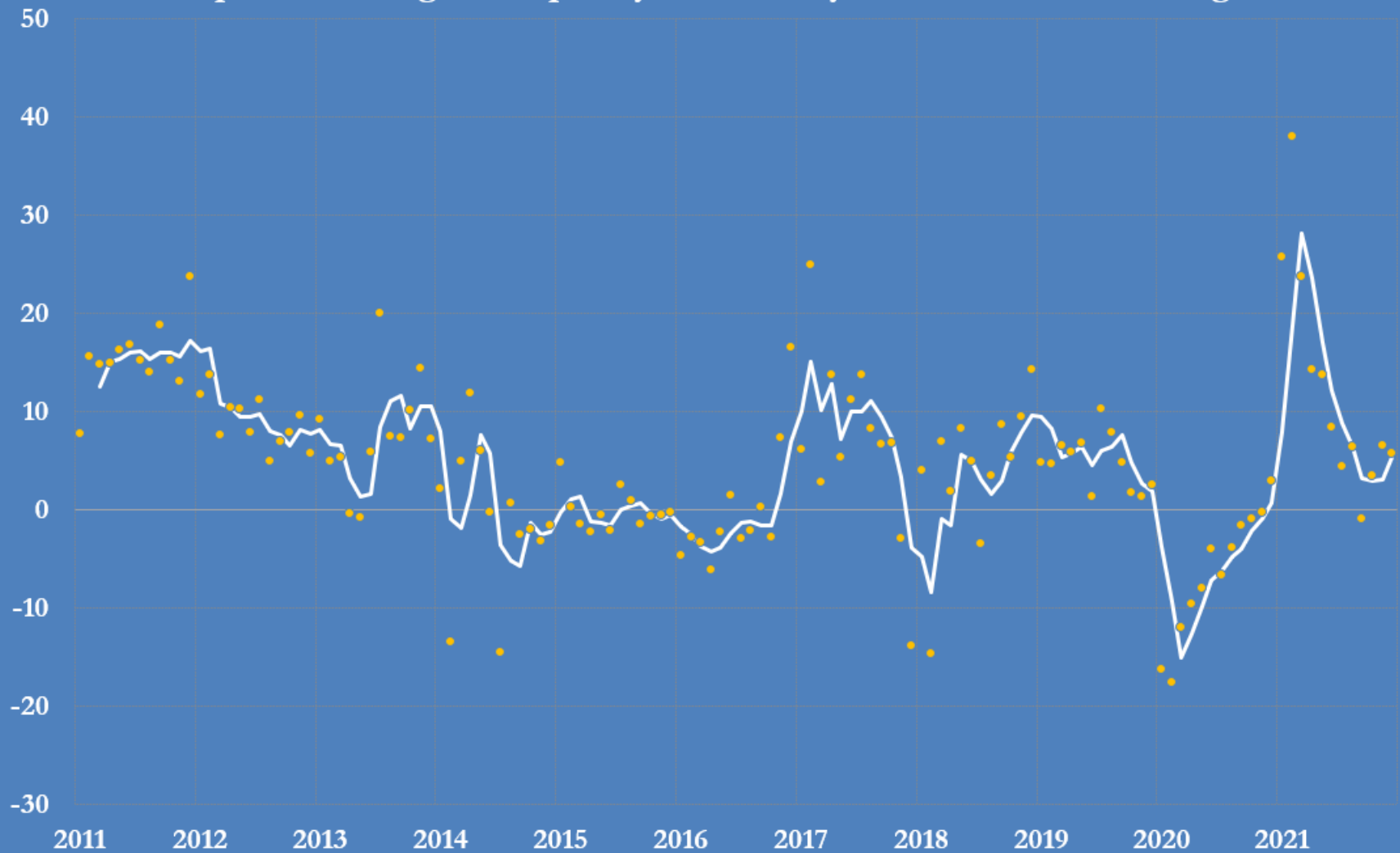


Source: Bombay Stock Exchange

@JKempEnergy

China freight volume, 2011-2021

percent change from prior year, monthly and three-month average

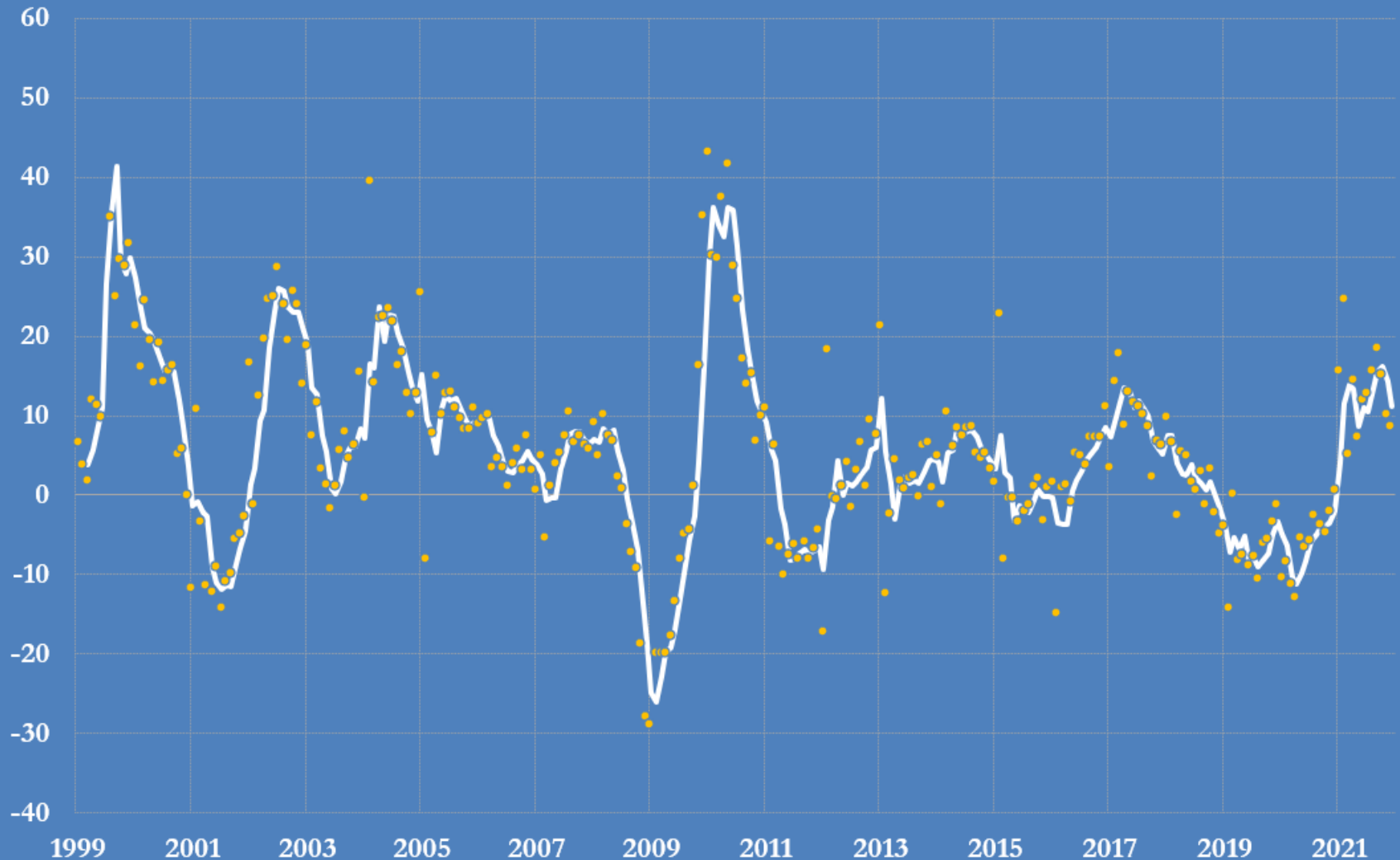


Source: China National Bureau of Statistics

@JKempEnergy

Hong Kong air freight volume, 1999-2021

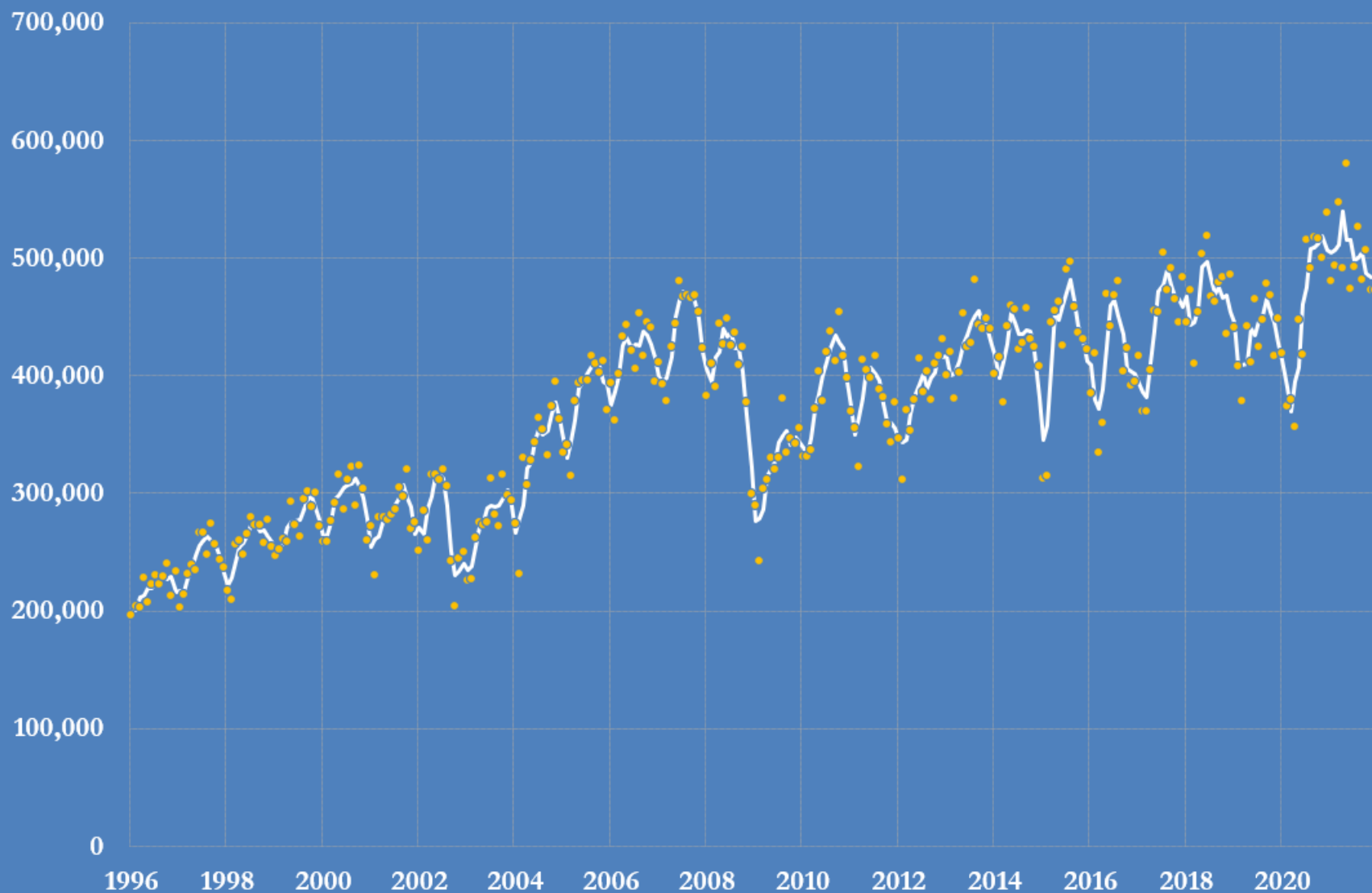
Percent change compared with prior year, monthly and 3-month average



Source: Civil Aviation Department of Hong Kong Special Administrative Region
@JKempEnergy

Port of Long Beach container throughput, 1996-2021

TEUs, loaded, monthly and three-month centred average

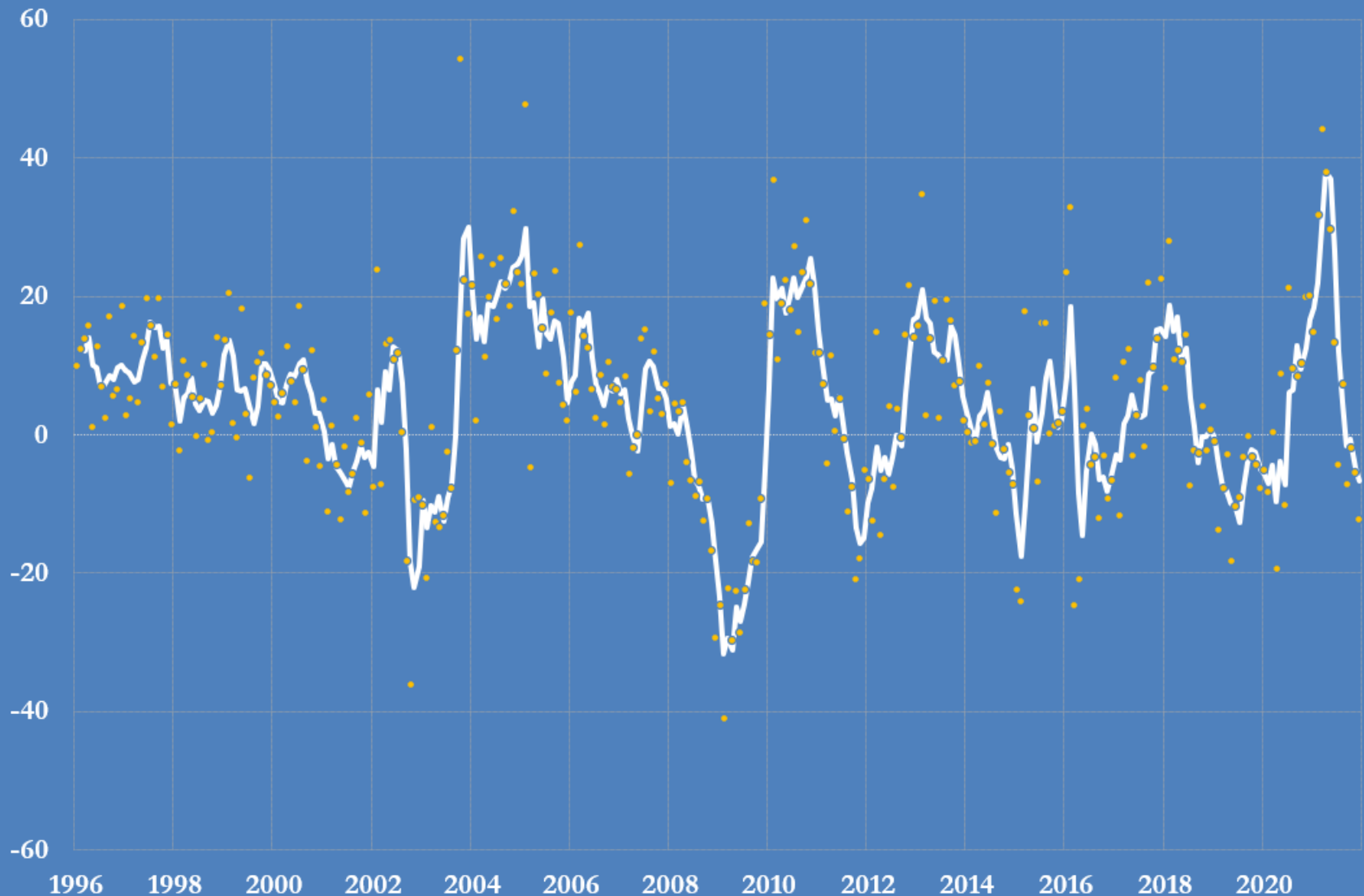


Source: Port of Long Beach

@JKempEnergy

Port of Long Beach container throughput, 1996-2021

percent change from prior year, loaded, monthly and 3-month centred average

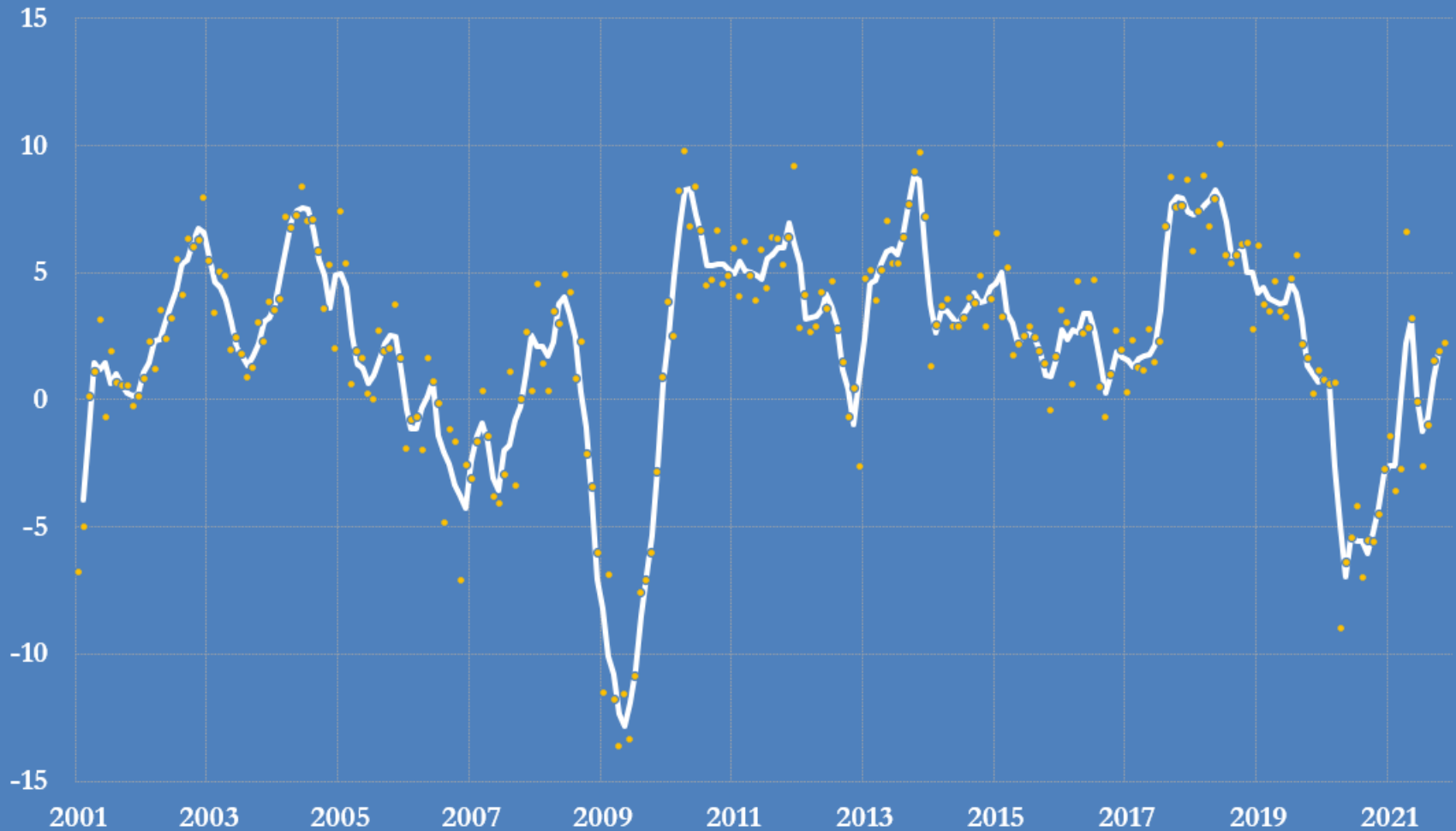


Source: Port of Long Beach

@JKempEnergy

U.S. freight truck tonnage, 2001-2021

percent change compared with prior year
individual months and 3-month centred average

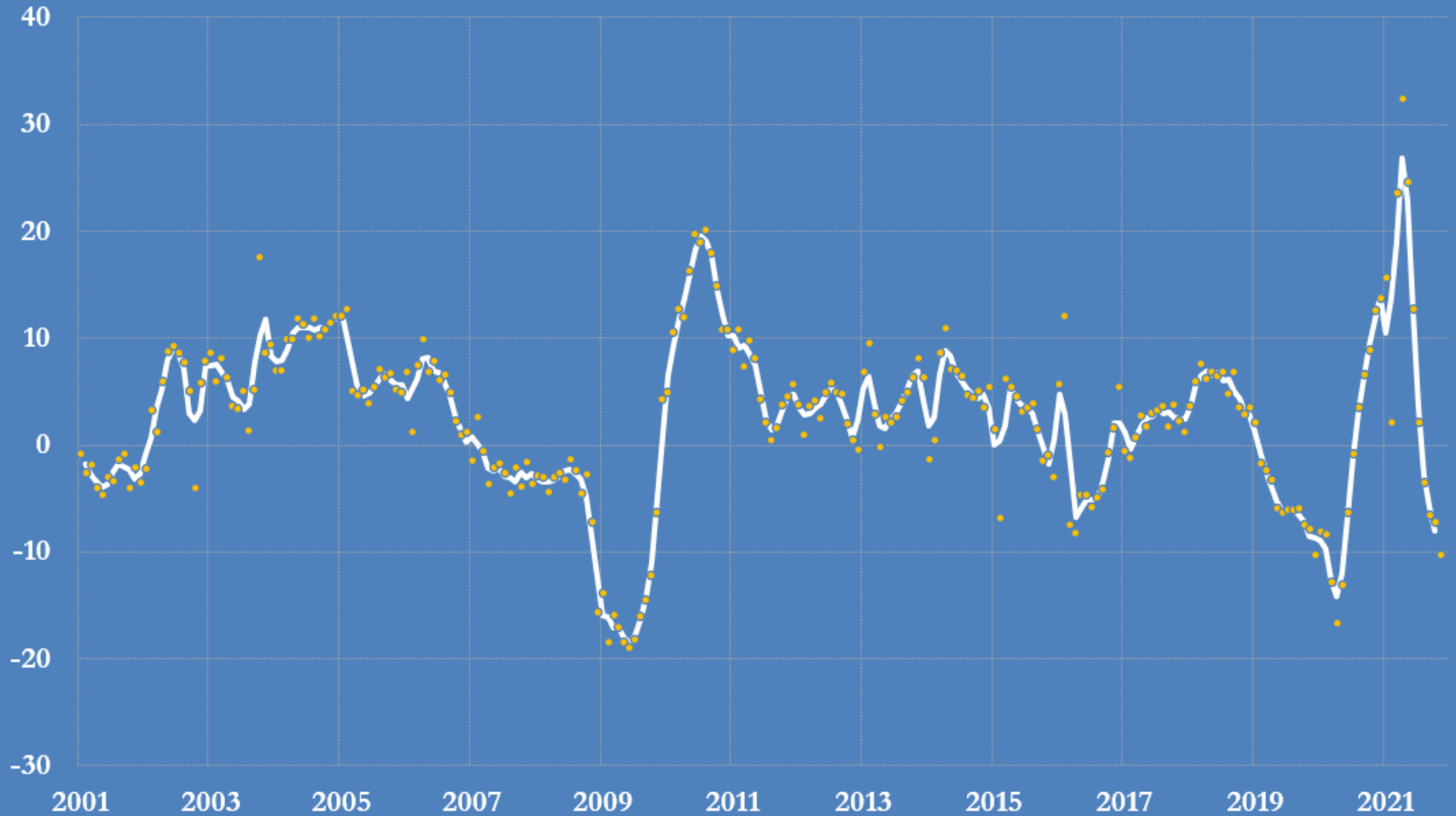


Source: American Trucking Associations via U.S. Bureau of Transportation Statistics

@JKempEnergy

U.S. intermodal rail freight, 2001-2021

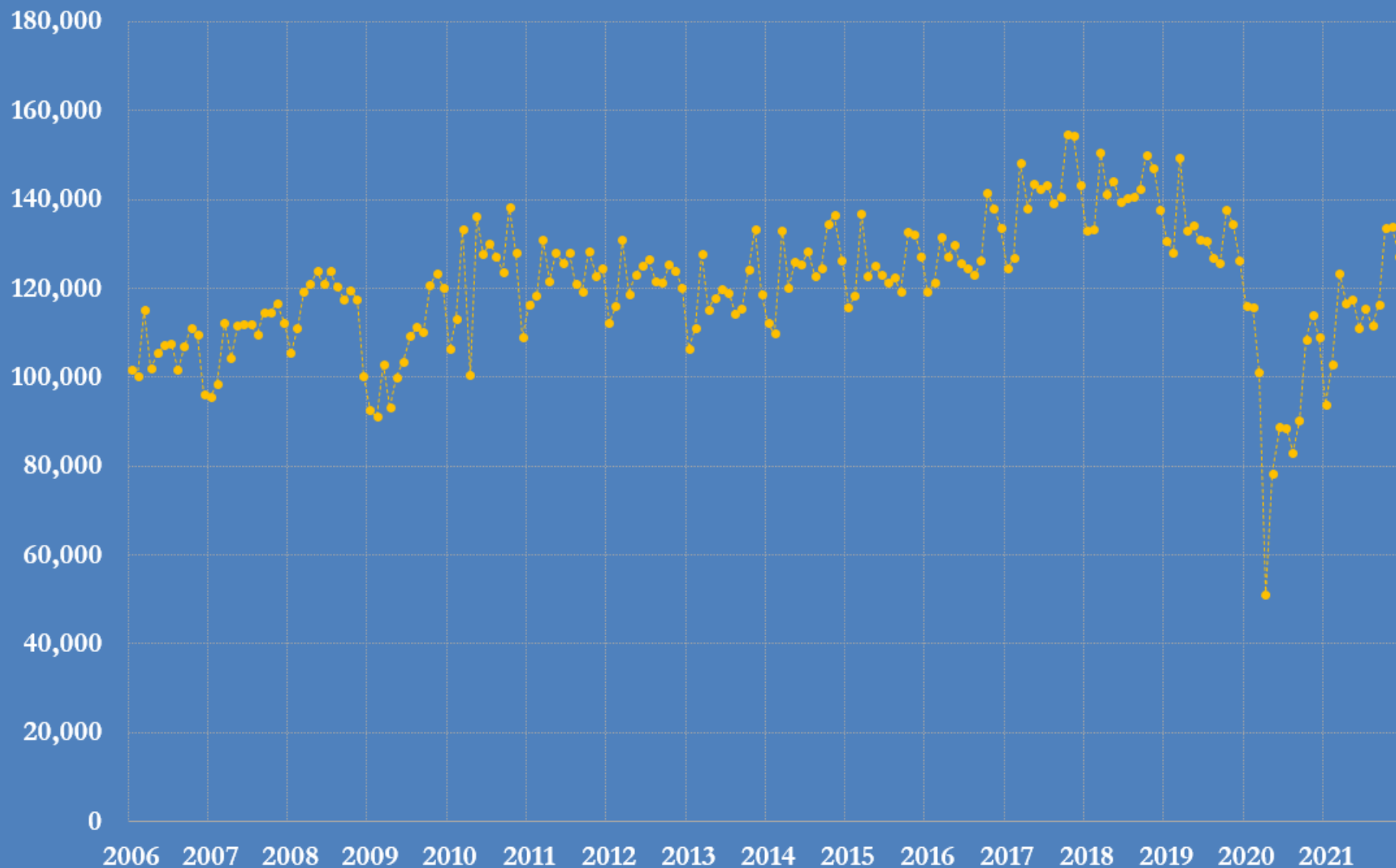
percent change compared with prior year
individual months and 3-month centred average



Source: Association of American Railroads via U.S. Bureau of Transportation Statistics
@JKempEnergy

London Heathrow air freight volume, 2006-2021

metric tonnes per month

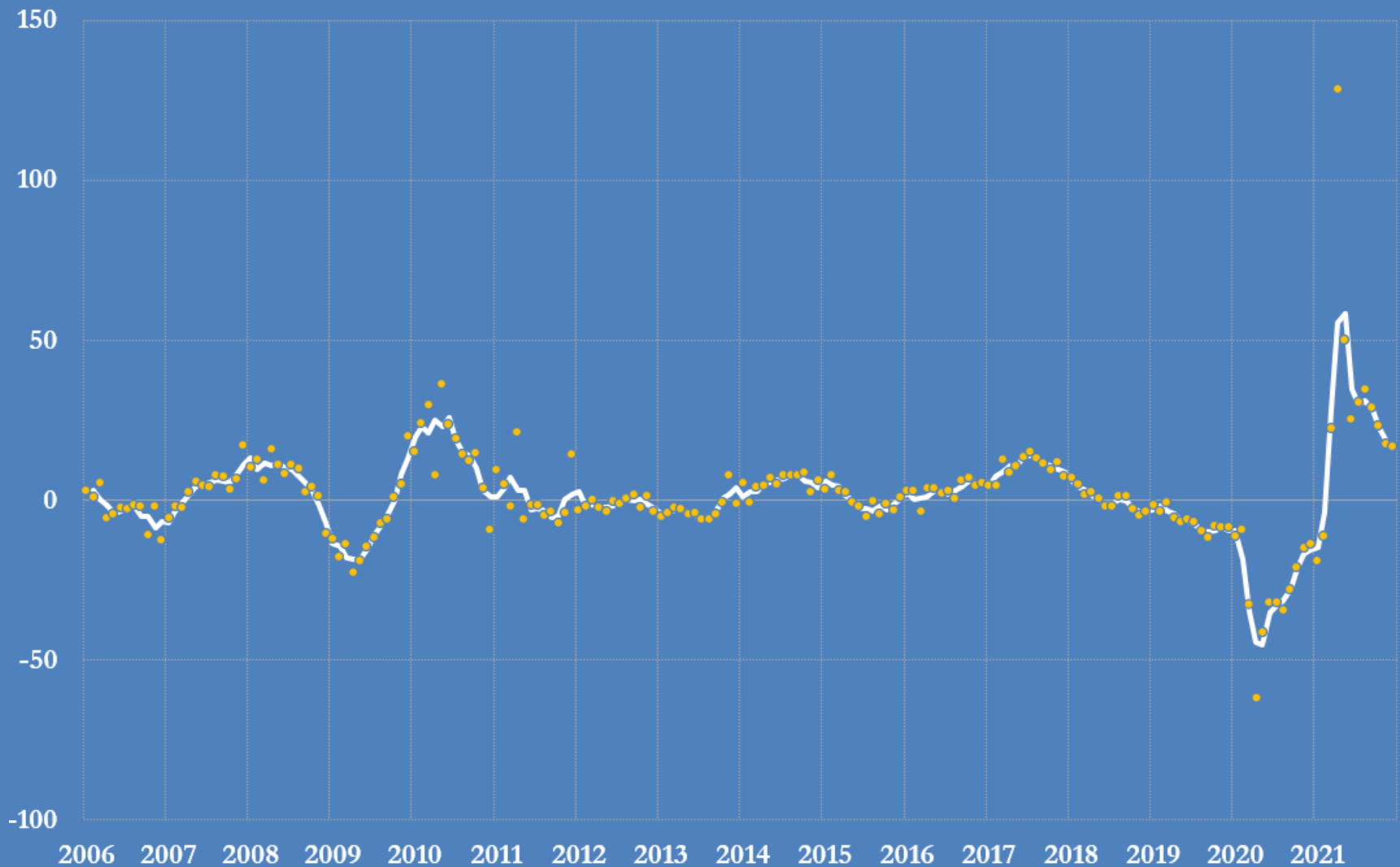


Source: Heathrow Airport Limited

@JKempEnergy

London Heathrow air freight volume, 2006-2021

percent change compared with prior year, monthly and 3-month centred average



Source: Heathrow Airport Limited

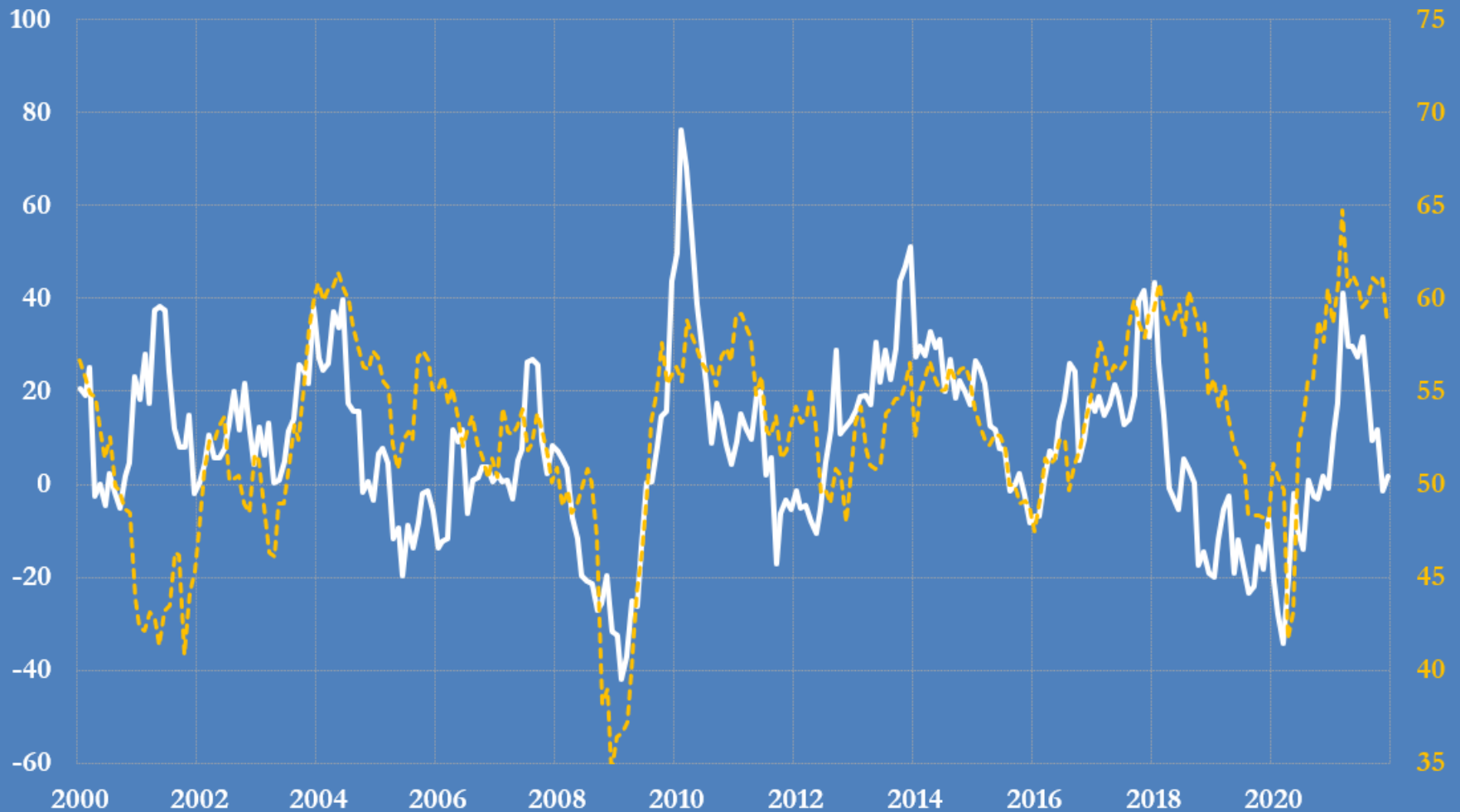
@JKempEnergy

percent change from prior year, monthly and three-month centred average

Source: Narita International Airport Corporation

@JKempEnergy

3M Corporation share price and ISM manufacturing index percent change from prior year for 3M share price



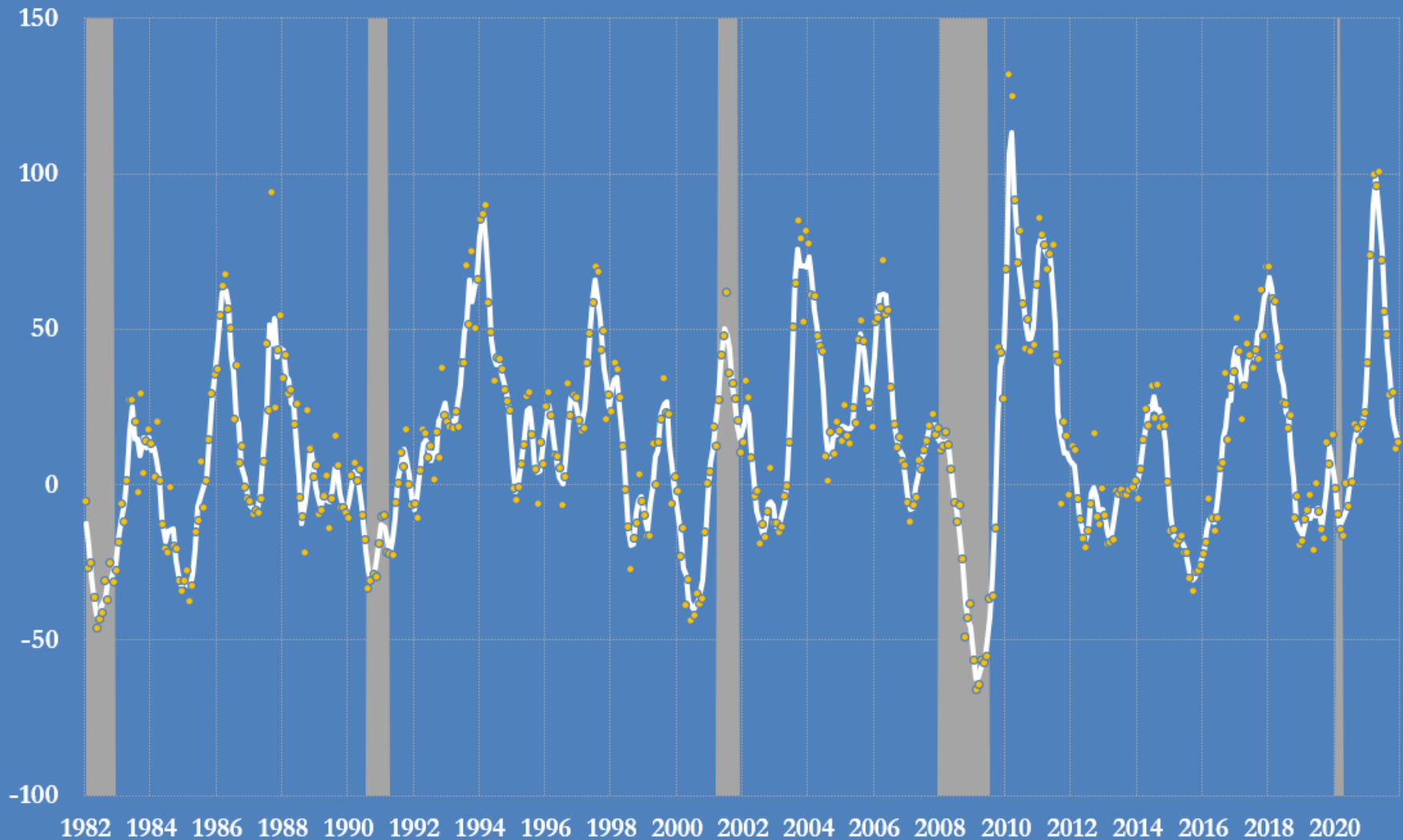
— L-Axis: 3M Corporation share price (12-month percent change)

---- R-axis: ISM composite manufacturing activity index

Sources: NYSE, ISM
@JKempEnergy

Caterpillar Inc share price, 1982-2021

percent change from prior year, monthly and three-month centred average
NBER U.S. recessions shown



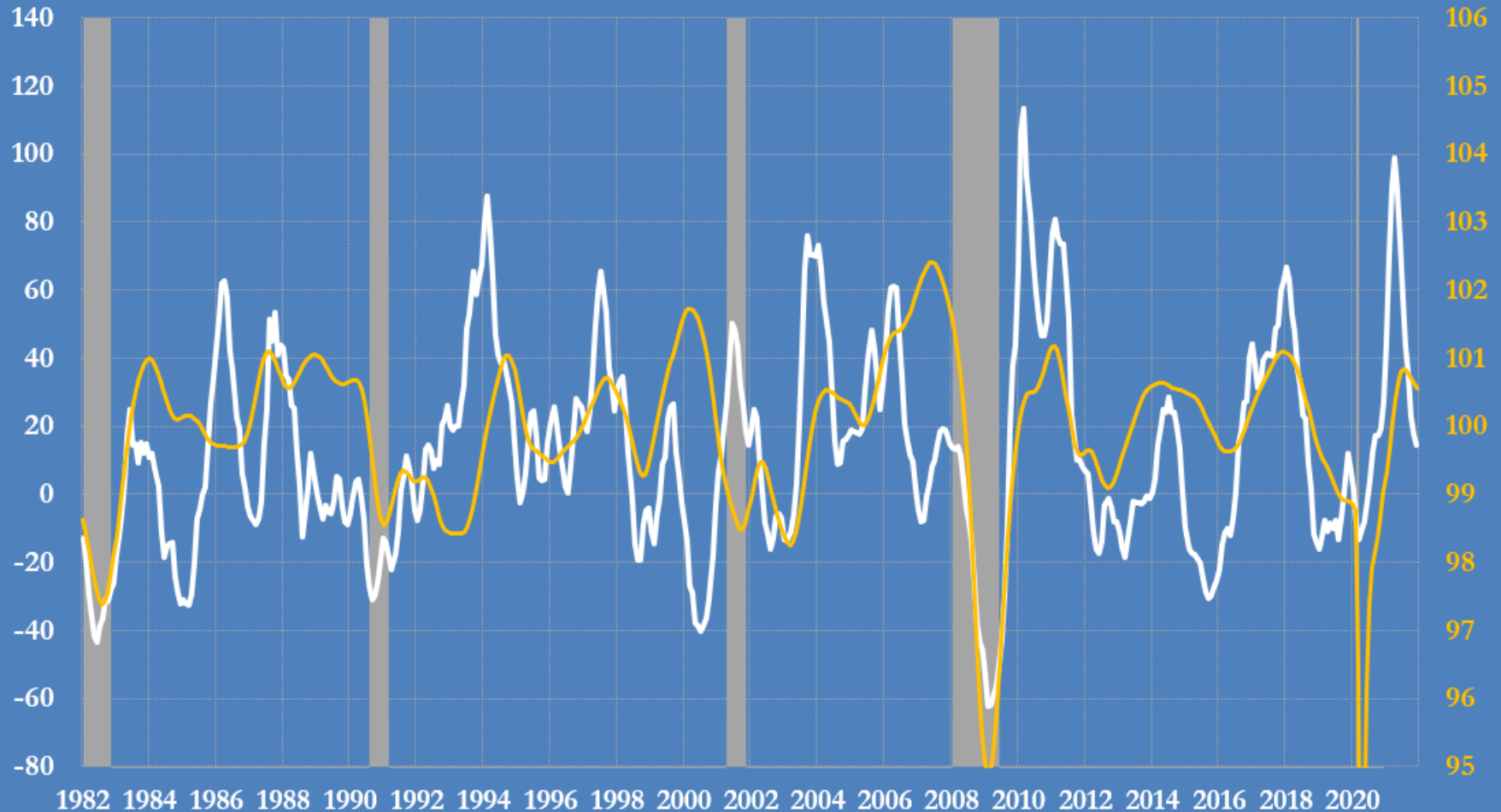
Source: New York Stock Exchange

@JKempEnergy

Caterpillar Inc share price, 1982-2021

L-axis: percent change from prior year, three-month average

R-axis: OECD composite leading indicator (long-term trend = 100)

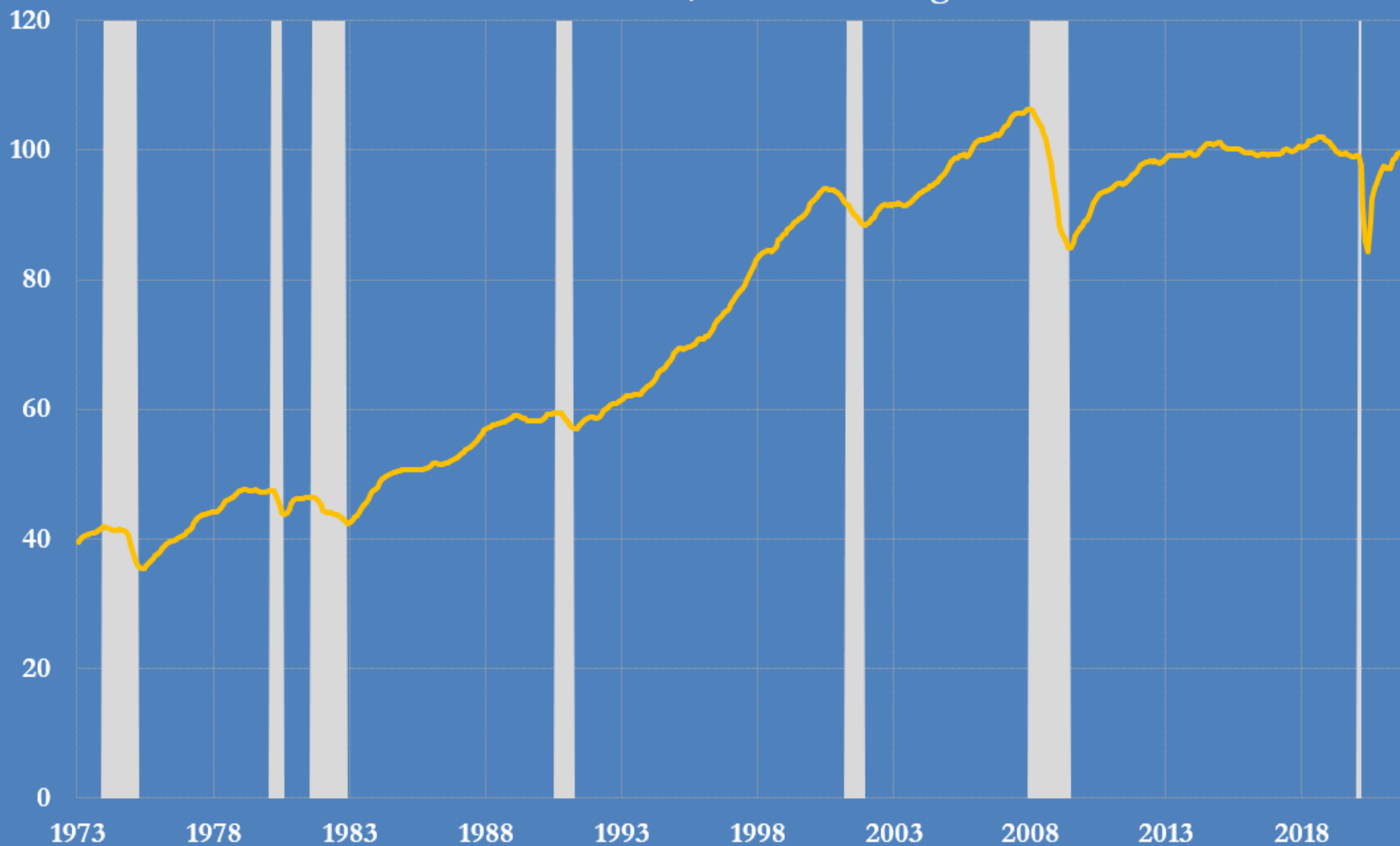


— Caterpillar share price
— OECD leading indicator

Source: OECD, New York Stock Exchange
@JKempEnergy

U.S. manufacturing production, 1973-2021

Index 2017 = 100, 3-month average

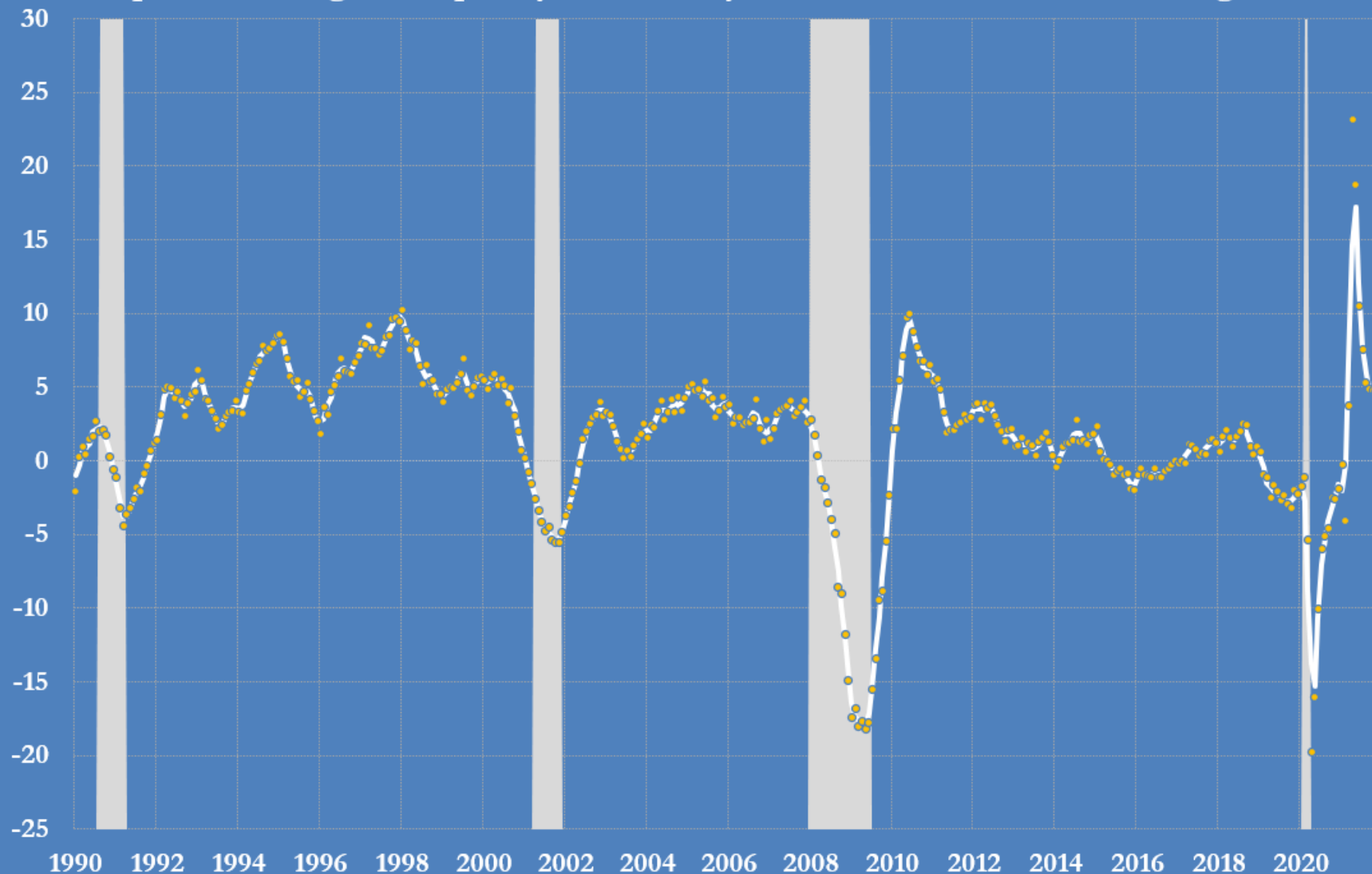


■ Recessions (NBER)
— Manufacturing output (NAICS)

Sources: Federal Reserve, National Bureau of Economic Research
@JKempEnergy

U.S. manufacturing production, 1990-2021

percent change from prior year, monthly and three-month centred average

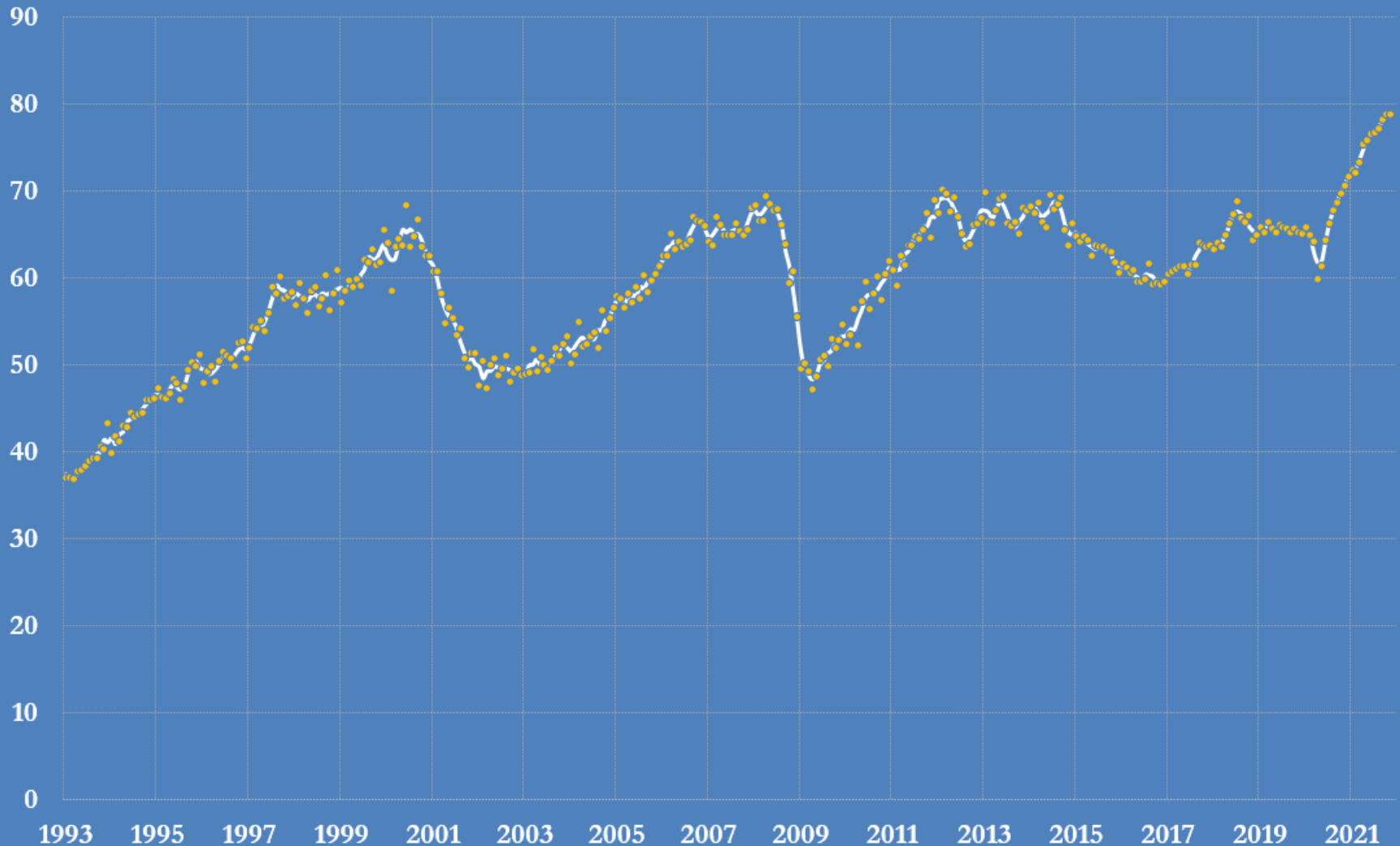


Sources: Federal Reserve, National Bureau of Economic Research

@JKempEnergy

U.S. manufacturers' new orders of nondefense capital equipment excluding aircraft, 1993-2021

U.S.\$ bn, monthly and 3-month centred average, not adjusted for inflation

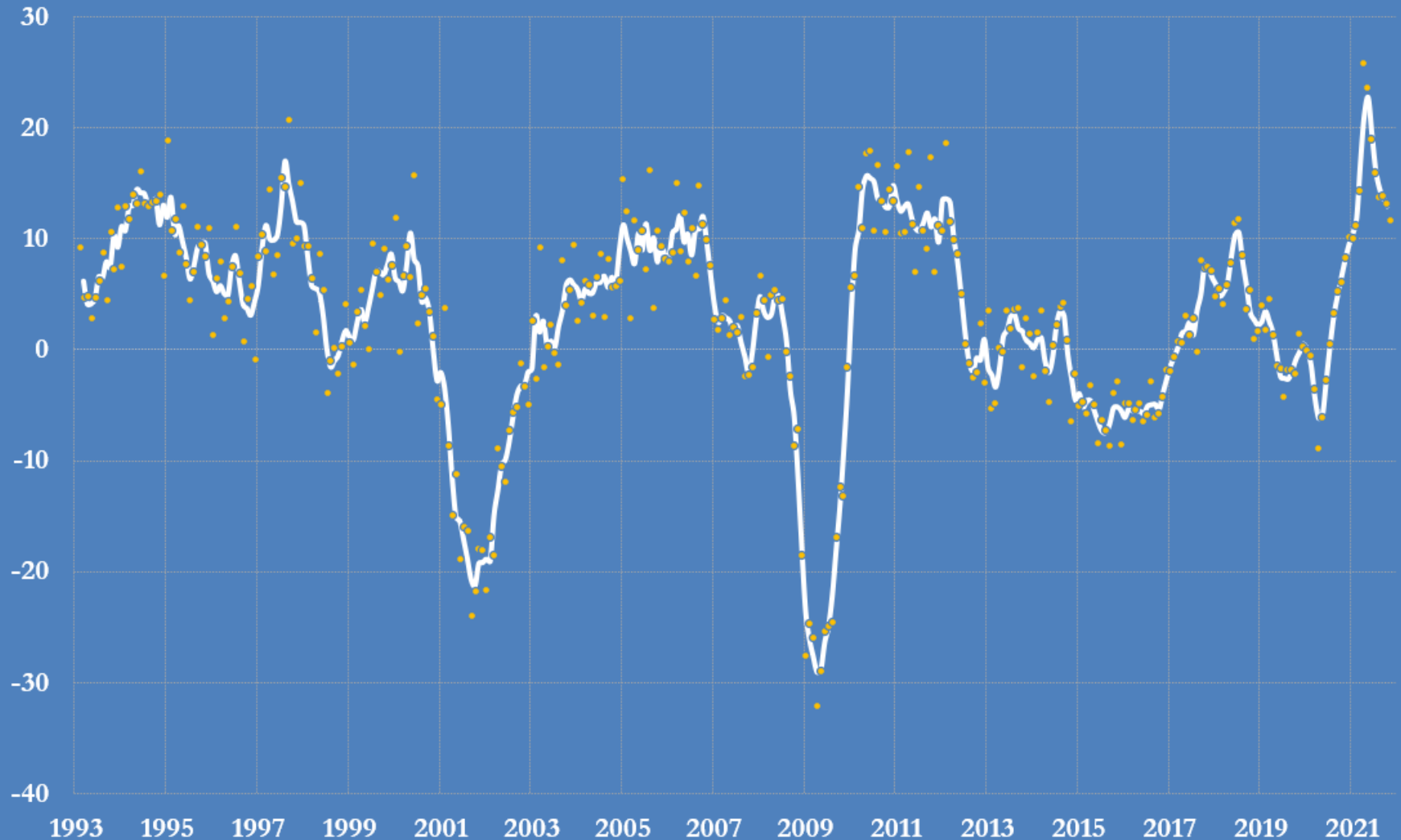


Source: U.S. Census Bureau

@JKempEnergy

U.S. manufacturers' new orders of nondefense capital equipment excluding aircraft, 1993-2021

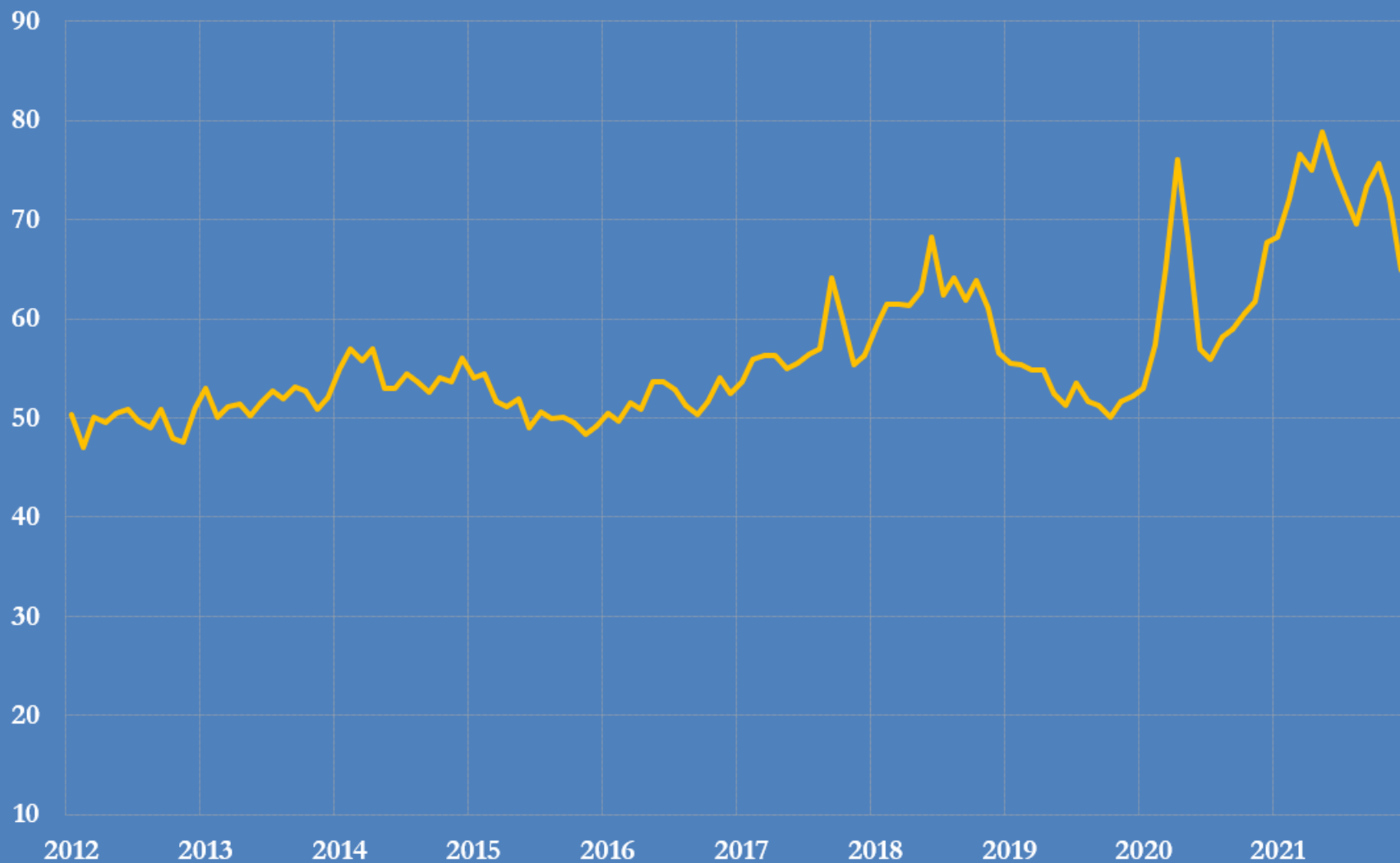
Percent change from year earlier, monthly and 3-month centred average



Source: U.S. Census Bureau

@JKempEnergy

U.S. manufacturers - delays in receiving deliveries from suppliers diffusion index, base = 50

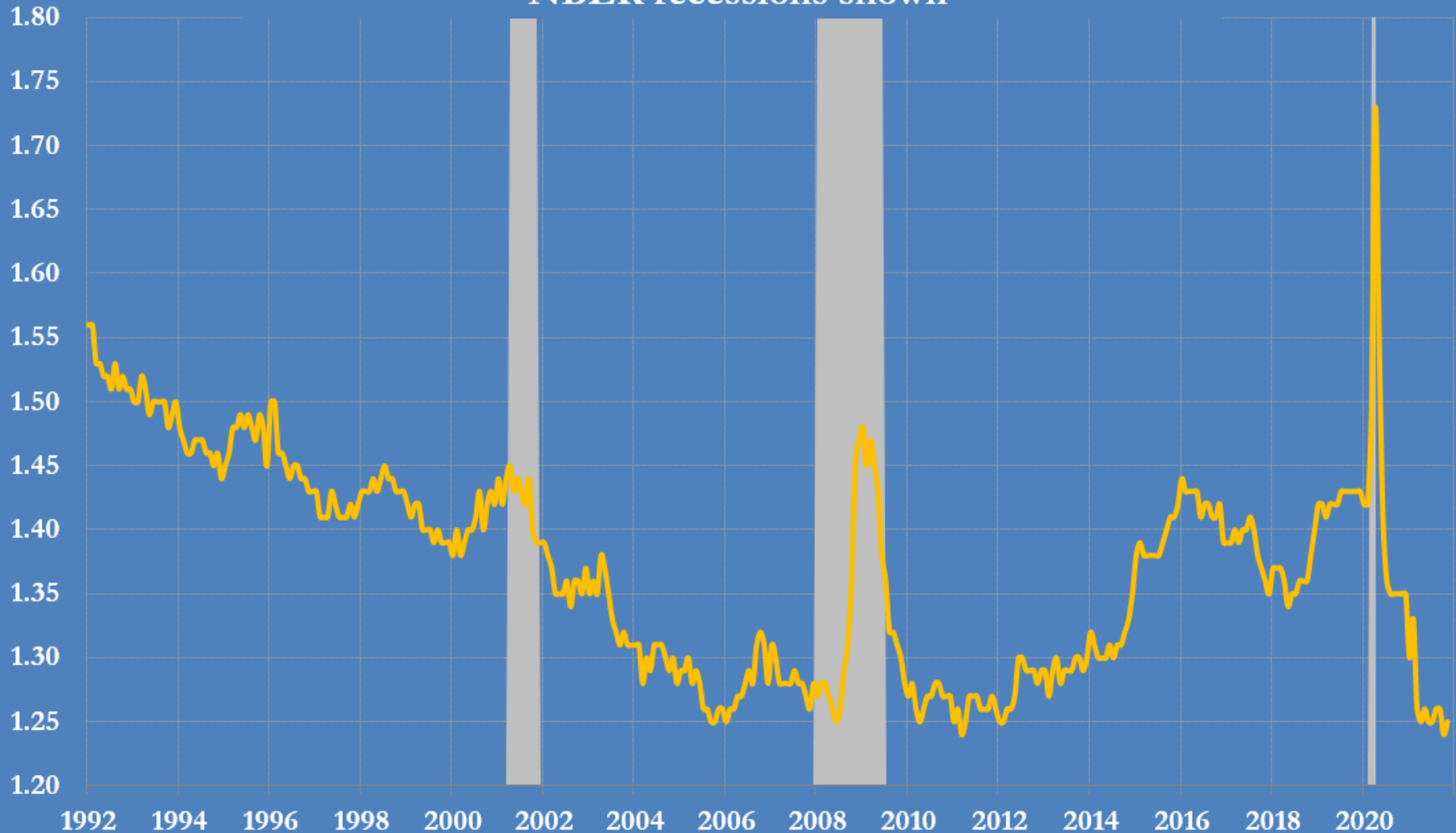


Source: U.S. Institute for Supply Management

@JKempEnergy

Ratio of inventories to sales for U.S. manufacturers, wholesalers and retailers, 1992-2021

NBER recessions shown

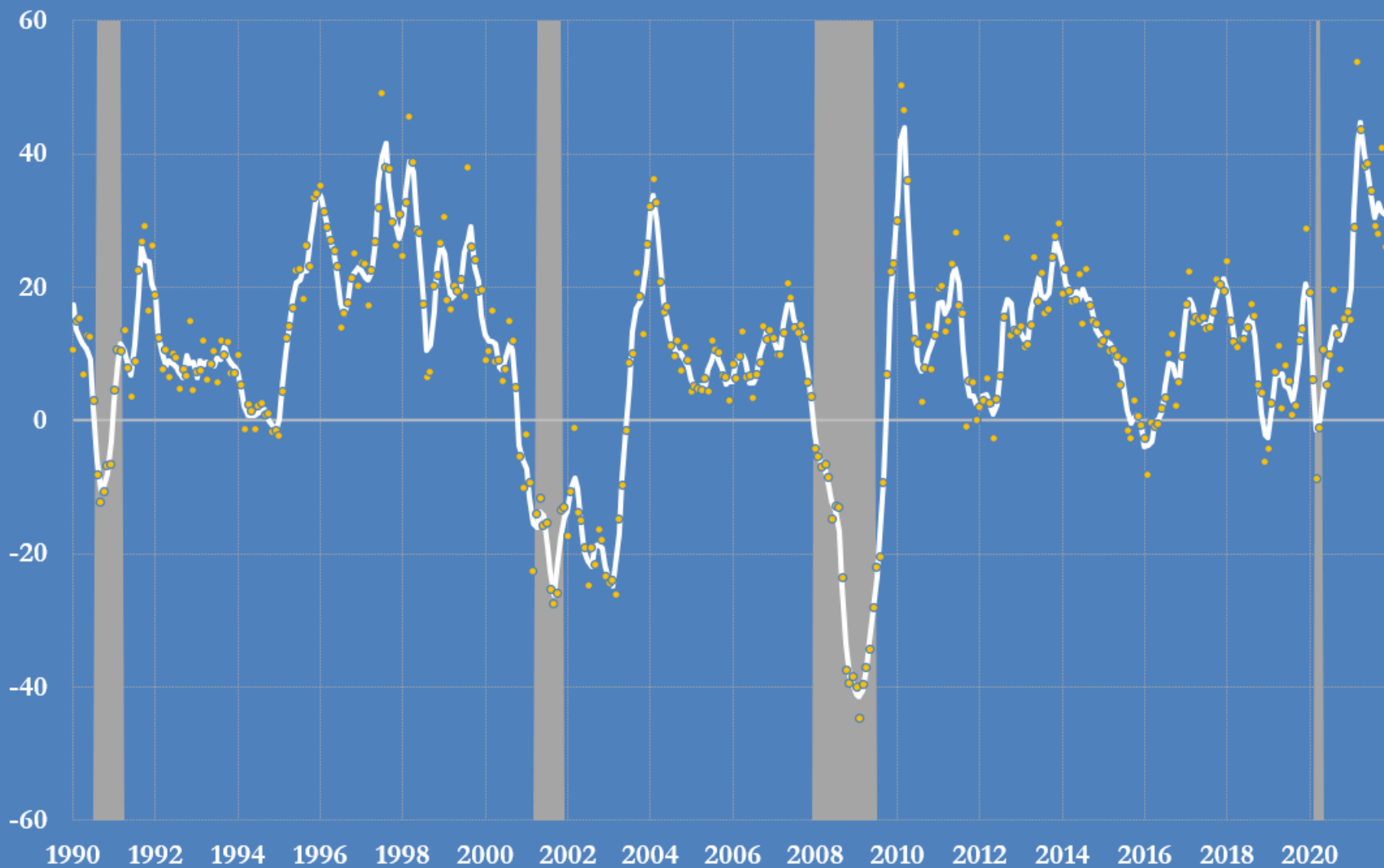


Source: U.S. Bureau of the Census, National Bureau of Economic Research

@JKempEnergy

S&P500 equity index, 1990-2021

percent change from prior year, individual months and 3-month centred average

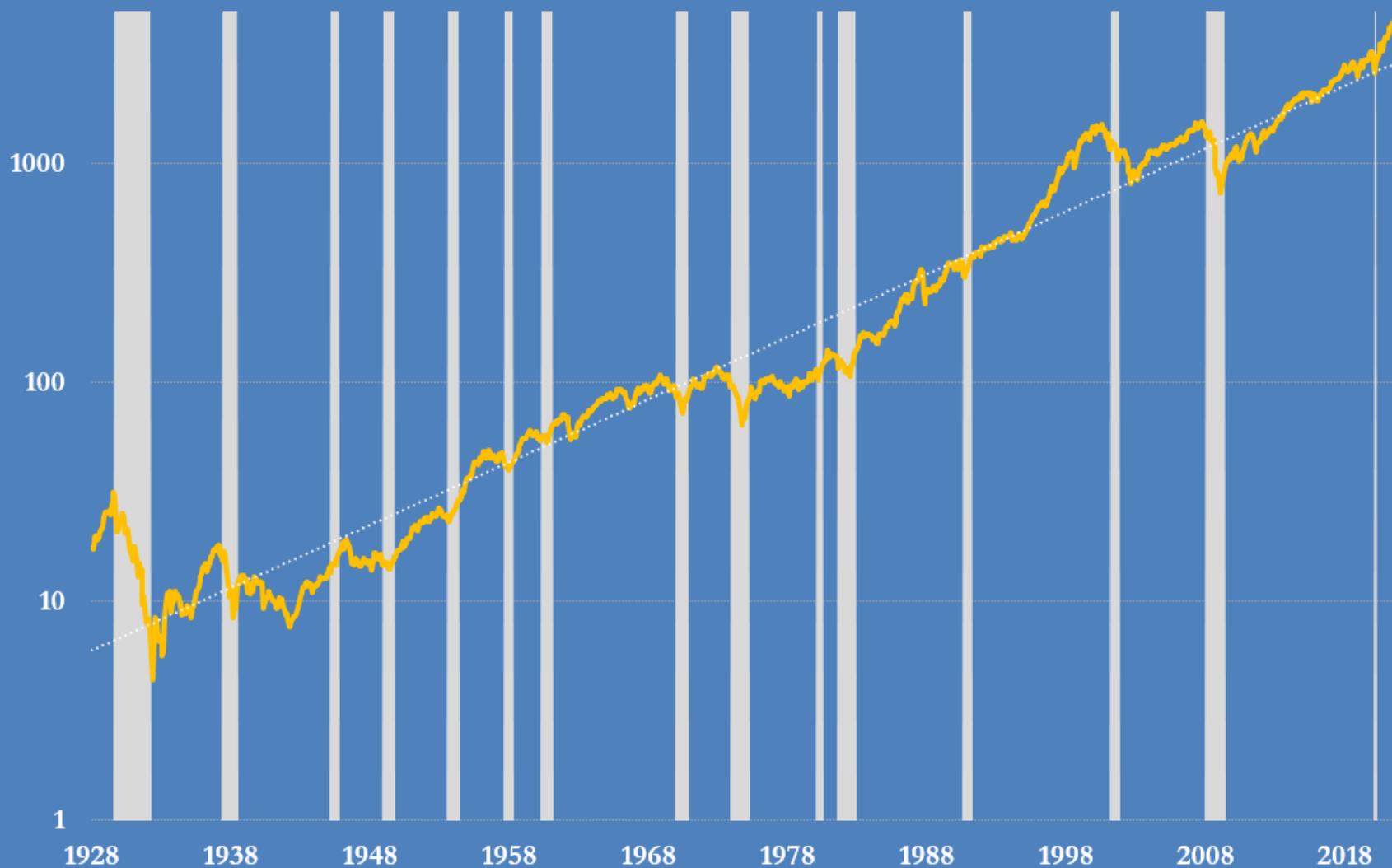


Source: Refinitiv Eikon

@JKempEnergy

S&P500 equity index, 1928-2021

semi-log scale, with NBER recessions

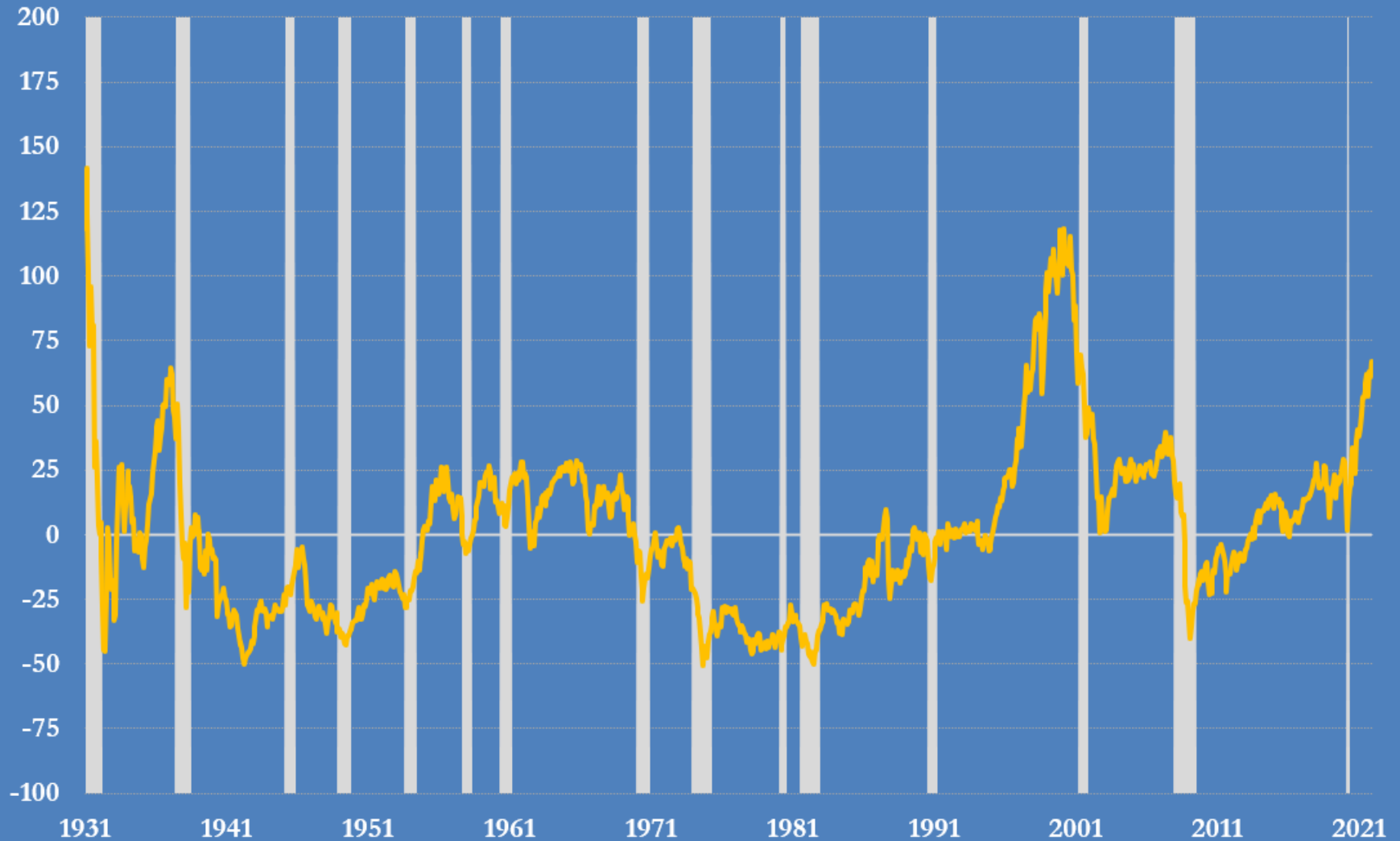


Source: Refinitiv Eikon

@JKempEnergy

S&P500 equity index, 1931-2021

deviation from long-term trend, percent above trend (+) or below trend (-)

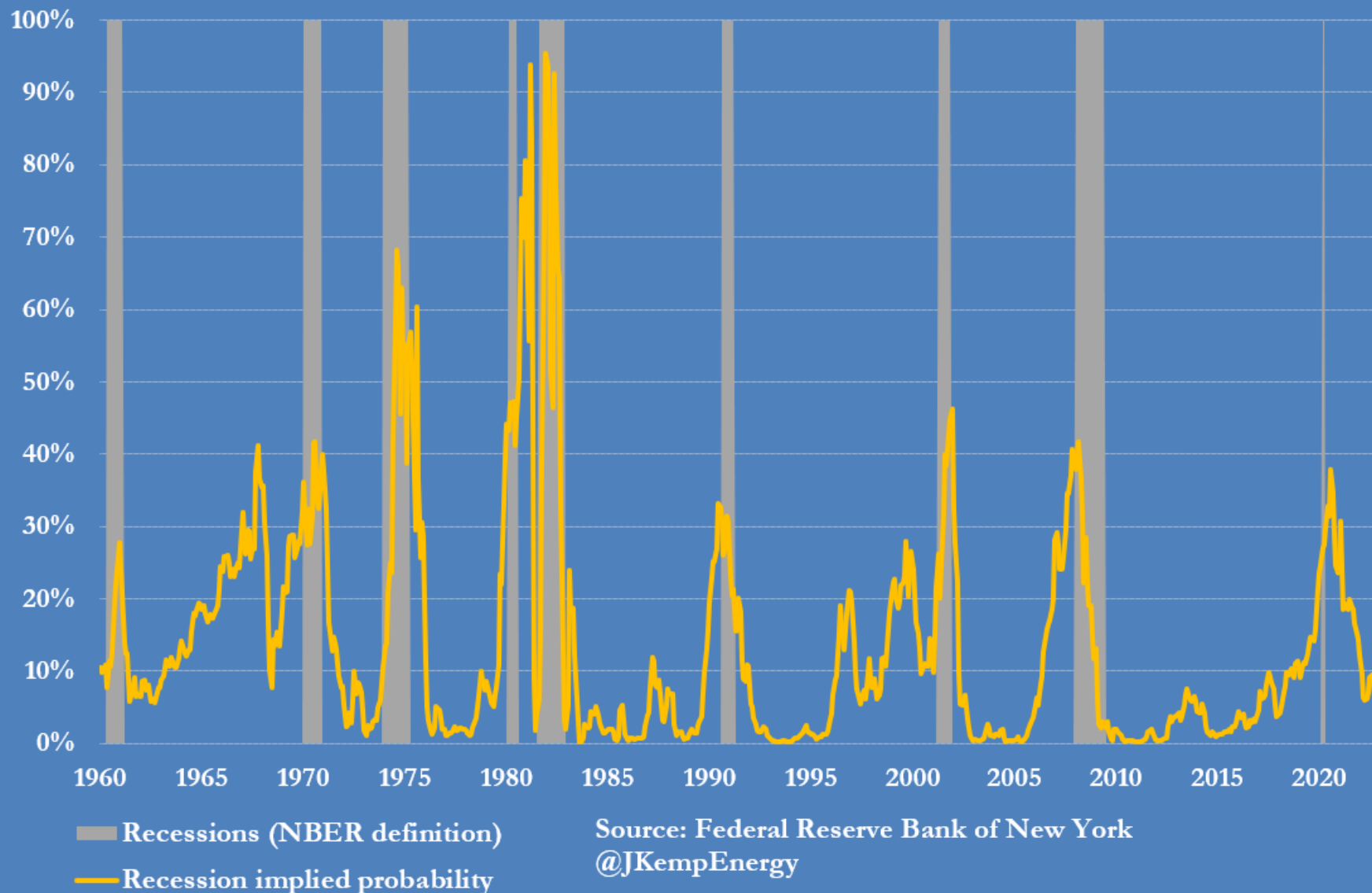


Source: Refinitiv Eikon

@JKempEnergy

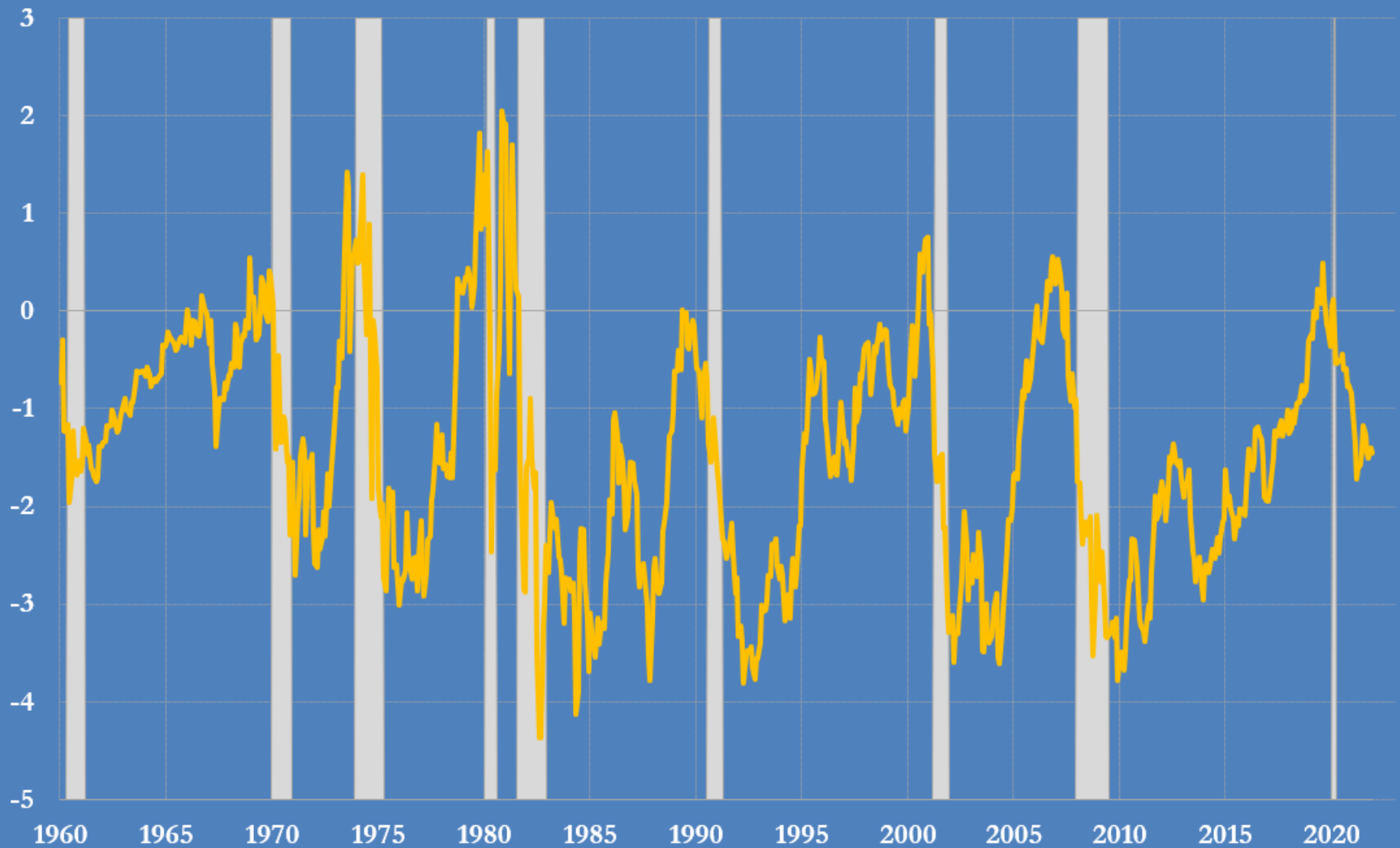
Probability of U.S. recession 12-months ahead, 1960-2022

Based on Federal Reserve Bank of New York's yield-curve model
Using spread between 3-month Treasury bills and 10-year Treasury Notes



U.S. Treasury Yield Curve and Recessions, 1960-2021

percent points, 3 mth bills - 10 yr notes, month-end, NBER recessions shown

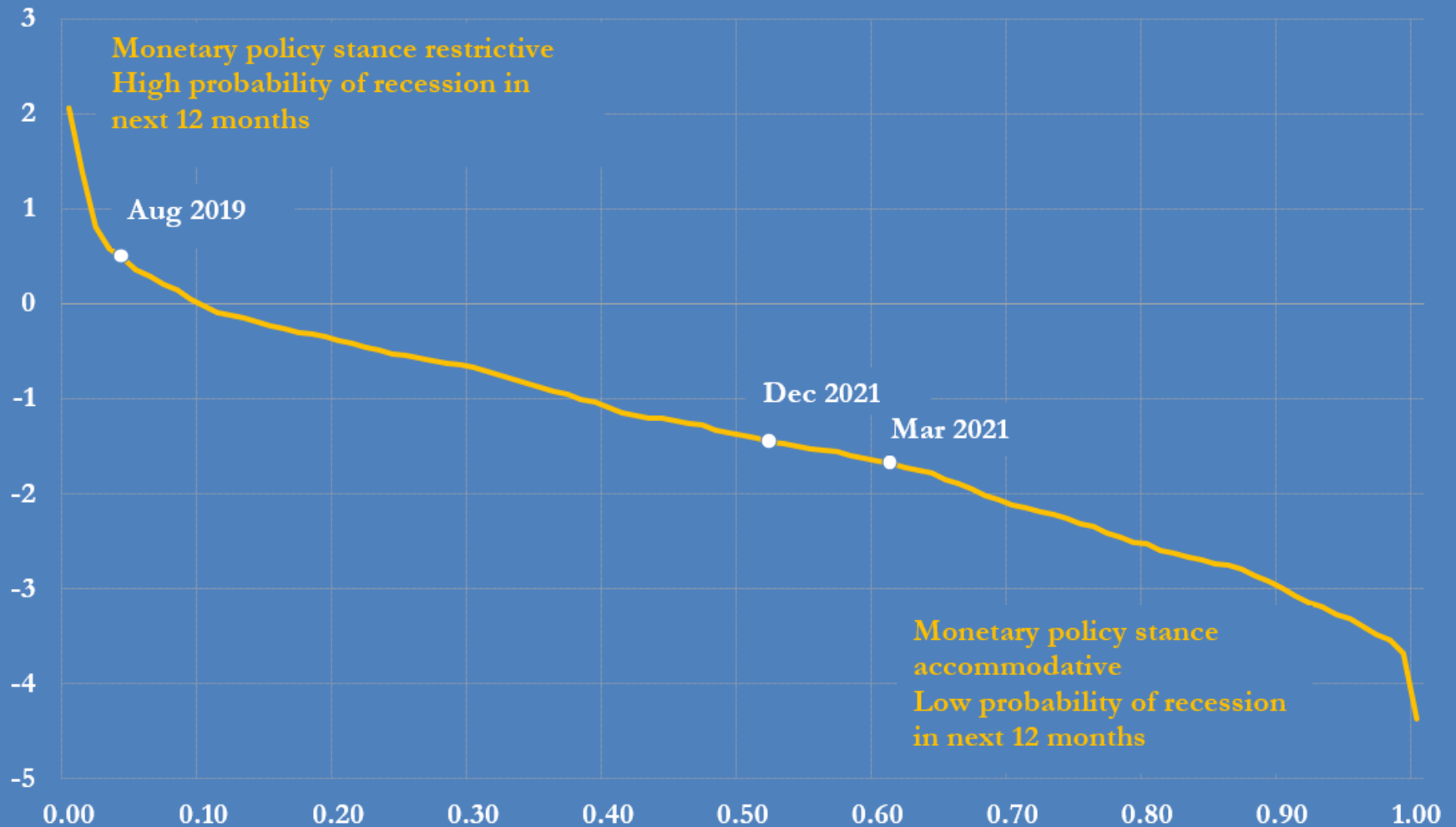


Source: Refinitiv

@JKempEnergy

U.S. Treasury yield curve, 1960-2021

percent points, 3 mth bills - 10 yr notes, month-end, percentiles

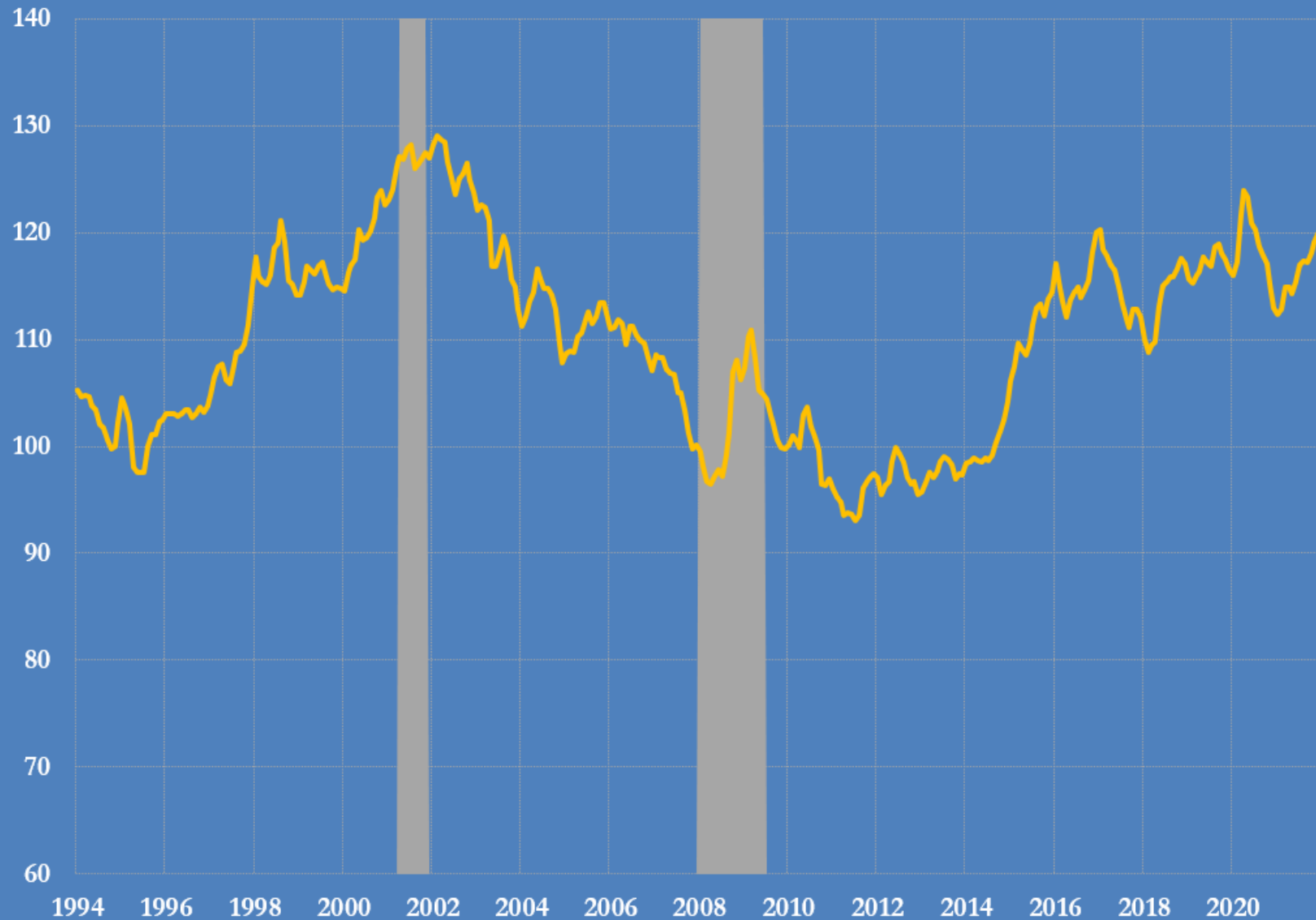


Source: Refinitiv

@JKempEnergy

United States real effective exchange rate, 1994-2021

monthly, trade-weighted, index 2010 = 100



Source: Bank for International Settlements

@JKempEnergy