Leading Indicators



Key economic and financial metrics, updated weekly

23 May 2023

The year of the city: European cities are expected to outperform in 2024

8.4%

Bank of England's predicitions for inflation in April 2023

72%

Of the major cities in Europe are expected to outpace their respective national GDP growth in 2024, according to Oxford Economics

-0.9%

Month-month contraction in global trade, February 2023

INFLATION SET TO MODERATE

Tomorrow's inflation data for the UK

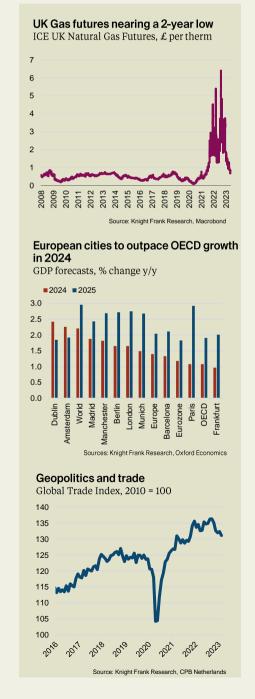
should point to a faster contraction compared to the previous few months due to the decline in global agricultural commodity and energy prices. The cost of UK natural gas has also moderated back to its normal trading range, with futures reaching the lowest level since June 2021, currently at 68p per therm, down from a peak of 640p in August 2022. Additionally, last year's rapid rise in energy costs, which saw a 54% increase in the energy price cap for gas and electricity tariffs, will fall out of the data in April. Meanwhile, the recent slowing of agricultural commodity and food producer output prices is expected to ease pressures on food inflation from its 46-year high of 19.1% in March. As a result, economists expect inflation to be less pronounced in April, with the Bank of England forecasting a drop of 2 percentage points to 8.4%, while consensus forecasts place inflation at 8.2%. Either way, this remains elevated compared to the 2.0% inflation target, which the BoE projects will be reached in 2025.

CITIES TO OUTPERFORM

European cities are expected to outperform in 2024, with many growing at a faster rate than their national economy. In 2024, 72% of the 100 major cities in Europe are forecast to outpace their national average GDP growth, according to Oxford Economics. This is up from an anticipated 47% in 2023. 11 out of the 12 major cities in the UK are projected to outpace the 0.97% forecast UK GDP growth in 2024. Meanwhile, 70% of the major cities in France and 53% in Germany are forecast to outperform their national growth projections next vear. In particular, Amsterdam, Berlin, Dublin, London, Madrid, Manchester and Munich are all expected to exceed GDP growth in Europe and the OECD. In these European locations, office occupancy rates are rising at a quicker pace than in the US. This is likely to continue, as our latest global Corporate Real Estate Sentiment Index, saw sentiment towards the future of the office lift by 0.46 points in Q1 2023, which may translate to a rise in office take-

THE GEOPOLITICS OF EVERYTHING

Recent news cycles have outlined the increased politicisation of everything from climate change, to AI, to economics, and, well, politics. Later this week we will be able to asses the extent of the impact of this on global trade, with the CPB's World Trade Monitor data due on Thursday. The wider implications for commercial real estate are many – from the need to restructure supply chains towards friendly countries, to a stronger case for overseas investment as economies diverge.





Equities

Equity markets Price return index, Jan 2020 = 100, US\$ — FTSE 250 — S&P 500 — STOXX 600 — Hang Seng 150 130 110 90 70 50 Jan May Sep Jan May Sep Jan May

Source: Knight Frank, Macrobond

2023

2022

| Index | Last | Percentage change since | | | |
|------------------|---------|-------------------------|--------|------------------|---------|
| Original value a | nd base | 1 day | 1 week | 1 month | Jan '20 |
| DAX 30 | 6,944 | 0.7 | 1.1 | -1.6 | 4.9 |
| FTSE 250 | 23,936 | 0.0 | 0.0 | 0.4 | -17.4 |
| Hang Seng | 2,514 | -0.2 | 0.4 | -3.3 | -30.5 |
| IBEX 35 | 10,049 | 1.3 | 0.2 | -3.2 | -6.2 |
| MIB | 29,493 | 0.6 | -0.7 | - 2.8 | 12.0 |
| S&P 500 | 4,193 | -0.1 | 1.7 | 1.5 | 29.8 |
| STOXX 600 | 506 | 1.0 | 0.1 | -1.3 | 8.5 |
| TOPIX | 16 | -0.1 | 0.4 | 2.5 | -1.2 |

2021

Equity regional sectors

Price return index percentage change since Jan 2020



Source: Knight Frank, Macrobond

| | Percenta | Percentage change since Jan 2020 | | | | |
|-------------|----------|----------------------------------|--------|--|--|--|
| | US | Europe | World | | | |
| Tech | 64.4% | 28.5% | 24.4% | | | |
| Financials | 2.2% | -2.5% | -11.9% | | | |
| Industrials | 23.2% | 17.6% | -1.8% | | | |
| Real Estate | -11.9% | -52.4% | -57.1% | | | |

REITs by region

2020

EPRA/NAREIT total return index, Jan 2020 = 100, US\$

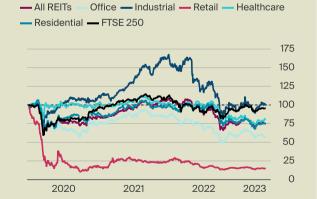


Source: Knight Frank, Macrobond

| Index, total return Last Percentage change since | | | | | since |
|--|-------|-------|--------|---------|---------|
| Original value and | base | 1 day | 1 week | 1 month | Jan '20 |
| US | 2,336 | 0.4 | -1.7 | -0.9 | -2.3 |
| Europe | 1,896 | 1.1 | 0.0 | -2.4 | -33.5 |
| World | 2,919 | 0.4 | -1.5 | -1.4 | -9.1 |
| Asia Pacific | 3,302 | 0.1 | -1.0 | -0.3 | -15.9 |

UK REITs by sector

UK EPRA gross total return index, Jan 2020 = 100, GBP£

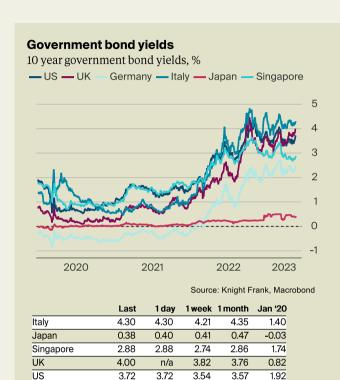


Source: Knight Frank, Macrobond

| Index, total ret | urn Last | Last Percentage change since | | | | |
|--------------------|----------|------------------------------|--------|---------|-------------------|--|
| Original value and | d base | 1 day | 1 week | 1 month | Jan '20 | |
| All REITs | 767 | 0.9 | 0.8 | -0.4 | - 25.0 | |
| Office | 1,688 | 0.5 | 1.6 | -3.7 | -43.1 | |
| Industrial | 1,248 | 1.1 | 0.9 | 1.1 | 0.7 | |
| Retail | 52 | -0.3 | -1.1 | -0.9 | -85.4 | |
| Healthcare | 1,826 | -0.3 | 1.7 | 3.3 | - 19.5 | |
| Residential | 1,159 | 1.5 | 1.7 | 2.5 | -24.1 | |
| FTSE 250 | 16,262 | -0.1 | 0.5 | 1.0 | -4.6 | |
| | | | | | | |



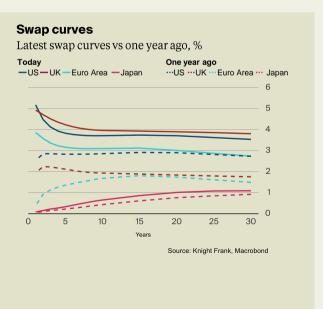
Bonds & Rates



Yield curves Latest nominal yield curves vs one year ago, % One year ago -US-UK-Germany-S. Korea ···US ··· UK ··· Germany ··· S. Korea 6 5 4 3 The yield curve is an indication of the risk free rate at different maturities 10 15 30 20 25 Years Source: Knight Frank, Macrobond

Interest rate swaps 5 year swap rates, % — US — UK — Eurozone — Japan 6 5 4 3 2 1 Jan Apr Jul Oct Jan Apr Jul Oct Jan Apr 2020 2021 2022 2023 Source: Knight Frank, Macrobond

| | | 3 | | | |
|-----------|------|-------|--------|---------|---------|
| | Last | 1 day | 1 week | 1 month | Jan '20 |
| Eurozone | 3.16 | 3.13 | 2.97 | 3.22 | -0.13 |
| Japan | 0.33 | 0.34 | 0.34 | 0.37 | 0.03 |
| Singapore | 3.54 | 3.54 | 3.54 | 3.54 | 1.50 |
| UK | 4.47 | 4.38 | 4.23 | 4.23 | 0.88 |
| US | 3.83 | 3.74 | 3.53 | 3.71 | 1.70 |
| | | | | | |



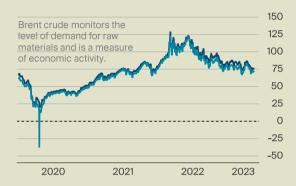


Commodities & Volatility

Energy

Oil spot prices, \$ per barrel

- Brent Crude - West Texas Intermediate (WTI)



Source: Knight Frank, Macrobond

| | Last | 1 day | 1 week | 1 month | Jan '20 |
|----------------------|------|-------|--------|---------|---------|
| Brent, \$ per barrel | 75.9 | 75.8 | 75.5 | 81.4 | 66.0 |
| WTI, \$ per barrel | 72.0 | 71.6 | 71.1 | 77.9 | 61.1 |

Baltic dry index

Baltic Exchange, Shipping Dry index (BDI), US\$

- Baltic dry index



| | | Source: Knight Frank, Macrobone | | | | | |
|------------|------|---------------------------------|--|---------------|------|--|--|
| | Last | Per 1 day | Percentage change since 1 day 1 week 1 month Jan "2 | | | | |
| Baltic Dry | 1365 | -2.64 | -10.3 | - 9.24 | 25.2 | | |

Volatility index

Near term stock price volatility indicator

— CBOE Volatility Index (VIX) --- Long term average



Source: Knight Frank, Macrobond

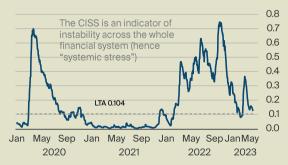
| | Last | 1 day | 1 week | 1 month | Jan '20 |
|-------------------|------|-------|--------|---------|---------|
| CBOE VIX | 17.2 | 17.2 | 18.0 | 16.8 | 13.8 |
| Euro Stoxx 50 VIX | 16.3 | 16.3 | 16.9 | 17.1 | 14.0 |
| Nikkei VIX | 19.7 | 19.0 | 17.2 | 16.1 | 14.8 |
| KOSPI VIX | 14.6 | 14.7 | 13.6 | 14.6 | 14.7 |

Systemic stress

Measures FX, money, sovereign and bond yield volatility

- New ECB Composite Indicator of Systemic Stress (CISS)

--- Long term average



Source: Knight Frank, Macrobond

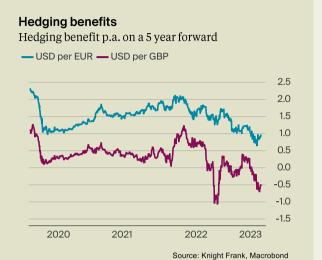
| | Last | 1 week | 1 month | Jan '20 |
|---------------------------------|-------|--------|---------|---------|
| Systemic stress composite | 0.217 | 0.235 | 0.315 | 0.023 |
| Equity markets stress sub index | 0.077 | 0.079 | 0.103 | 0.009 |
| Bond markets stress sub index | 0.073 | 0.079 | 0.092 | 0.02 |
| FX markets stress sub index | 0.018 | 0.026 | 0.045 | 0.004 |



Currencies & Monetary Policy



| | Last | 1 day | 1 week | 1 month | Jan '20 |
|-------------|-------|-------|--------|---------|---------|
| EUR per GBP | 1.153 | 1.152 | 1.148 | 1.136 | 1.177 |
| KOR per GBP | 1,652 | 1,658 | 1,672 | 1,658 | 1,525 |
| USD per GBP | 1.244 | 1.241 | 1.248 | 1.245 | 1.321 |
| USD per EUR | 1.082 | 1.078 | 1.086 | 1.095 | 1.123 |



| | Last | 1 day | 1 week | 1 month | Jan '20 |
|------------|-------|-------|--------|---------|---------|
| USD to EUR | 0.97 | 0.91 | 0.89 | 0.79 | 2.32 |
| USD to GBP | -0.54 | -0.49 | -0.61 | -0.41 | 1.12 |

Inflation and monetary policy

Inflation rate (%)

| Apr | Mar | Feb | Jan |
|------|--|--|--|
| n/a | 7.1 | 7.1 | 7.1 |
| 4.4 | 4.3 | 5.2 | 5.9 |
| 0.3 | 0.8 | 1.1 | 2.2 |
| 7.0 | 6.9 | 8.5 | 8.6 |
| 5.9 | 5.7 | 6.3 | 6.0 |
| 7.1 | 7.4 | 8.7 | 8.7 |
| 4.7 | 5.7 | 6.4 | 6.5 |
| 8.2 | 7.6 | 9.1 | 10.0 |
| 3.5 | 3.2 | 3.3 | 4.3 |
| 2.7 | 2.7 | 3.0 | 3.4 |
| 3.7 | 4.2 | 4.8 | 5.2 |
| 4.1 | 3.3 | 6.1 | 5.9 |
| 10.5 | 10.6 | 12.0 | 11.7 |
| n/a | 10.1 | 10.4 | 10.1 |
| 5.0 | 5.0 | 6.0 | 6.3 |
| | n/a 4.4 0.3 7.0 5.9 7.1 4.7 8.2 3.5 2.7 3.7 4.1 10.5 n/a | n/a 7.1 4.4 4.3 0.3 0.8 7.0 6.9 5.9 5.7 7.1 7.4 4.7 5.7 8.2 7.6 3.5 3.2 2.7 2.7 3.7 4.2 4.1 3.3 10.5 10.6 n/a 10.1 | n/a 7.1 7.1 4.4 4.3 5.2 0.3 0.8 1.1 7.0 6.9 8.5 5.9 5.7 6.3 7.1 7.4 8.7 4.7 5.7 6.4 8.2 7.6 9.1 3.5 3.2 3.3 2.7 2.7 3.0 3.7 4.2 4.8 4.1 3.3 6.1 10.5 10.6 12.0 n/a 10.1 10.4 |

1. Australia Inflation rate is only available on a quarterly basis.

Interest rates (%)

| Last | Jan '21 |
|-------|---------|
| 3.85 | 0.10 |
| 4.50 | 0.25 |
| 4.35 | 4.35 |
| 3.75 | 0.00 |
| 3.75 | 0.00 |
| 3.75 | 0.00 |
| 6.50 | 4.00 |
| 3.75 | 0.00 |
| -0.10 | -0.10 |
| 5.75 | 1.00 |
| 3.50 | 0.50 |
| 3.75 | 0.00 |
| 3.50 | 0.00 |
| 4.50 | 0.10 |
| 5.25 | 0.25 |

Asset purchasing

| Latest (\$) 1m change (%) | |
|---------------------------|------|
| 0.41 tn | -2.7 |
| 281 bn | 0.0 |
| 5.96 tn | -2.0 |
| 8.47 tn | 0.0 |
| 1.94 tn | -2.9 |
| 2.93 tn | -0.9 |
| 345 bn | -5.9 |
| 1.6 tn | 0.0 |
| 5.36 tn | 0.9 |
| 493 bn | -3.7 |
| 454 bn | 2.6 |
| 487 bn | -1.3 |
| 137 bn | -7.7 |
| 1.37 tn | 1.4 |
| 8.46 tn | -1.7 |
| | |

Source: Knight Frank, Macrobond





Active Capital 2022/2023

Our flagship capital markets research programme, Active Capital, will guide you through the complexities and challenges of global real estate, whilst highlighting the opportunities that lie ahead over the next 18 months.

Watch the launch



Future Gazing 2023

In the latest edition of the Future Gazing Report, the sectors and locations which could benefit from reconfiguring supply chains are explored. Through the past three years, we have experienced a supply-side crisis. Simply restoring the old order is unlikely to solve the crisis and provide much-needed resilience amidst a shifting geopolitical landscape.

View Report

Recent research



Quantifying ESG in real estate

This report covers a selection of our recent analytical projects, as well as practical applications and considerations for clients. It offers clear messages that we hope will inform decision-makers as they make decisions against a rapidly evolving backdrop. We also hope the ideas will spark debate and unlock new areas of investigation.



Retail Property Market Outlook 2023

The 2023 Retail market outlook discusses predictions for the Retail market, providing in-depth commentary on retail sub-sectors and occupier activity amidst economic distress.

We like questions, if you've got one about our research, or would like some property advice, we would like to hear from you



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