



- US jobs data are much stronger than expected ([link](#))
- Euro area bond yields fall sharply ([link](#))
- Japan's government pension fund posts largest loss in two decades ([link](#))
- Bond markets start year with significant rally and major inflows ([link](#))
- Demand for US Treasuries surges ([link](#))
- EM bond issuance was high in January ([link](#))
- Czech Republic in hawkish surprise ([link](#))

[Mature Markets](#)









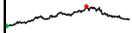


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## Markets cautious to end the week

Markets were lower across the board as investors digested the implications of the Fed, ECB and BOE decisions and took note of the latest jobs data in the US which were much stronger than expected. In China, sentiment has become more negative after a period of optimism following the exit from the zero Covid policy. This was despite an uptick in local PMI data. In Japan, the world's largest pension fund registered a fourth consecutive quarter of losses, the worst losing streak in two decades, triggered by the recent appreciation of the Yen versus the dollar and the rise in Japanese government bond yields. In the euro area, bond yields are holding steady today after major declines yesterday in the wake of the ECB statement and press conference. The consensus view is that the market did not believe the ECB's hawkish rhetoric, expecting a more dovish turn to the central bank's policy stance in the months ahead. In the US, softer than expected earnings from Apple, Amazon, and Alphabet (Google) increased worries about potential weakness in the US economy.

Key Global Financial Indicators

| Last updated:<br>2/3/23 8:19 AM      | Level                                                                               |        | Change from Market Close |        |         |      | YTD | Since<br>23-Feb-22 |
|--------------------------------------|-------------------------------------------------------------------------------------|--------|--------------------------|--------|---------|------|-----|--------------------|
|                                      | Last 12m                                                                            | Latest | 1 Day                    | 7 Days | 30 Days | 12 M |     |                    |
| <b>Equities</b>                      |                                                                                     |        | %                        |        |         |      | %   |                    |
| S&P 500                              |  | 4180   | 1.5                      | 3      | 9       | -7   | 9   | -1                 |
| Eurostoxx 50                         |  | 4228   | -0.3                     | 1      | 9       | 2    | 11  | 6                  |
| Nikkei 225                           |  | 27509  | 0.4                      | 0      | 6       | 0    | 5   | 4                  |
| MSCI EM                              |  | 42     | -0.6                     | -2     | 9       | -14  | 10  | -12                |
| <b>Yields and Spreads</b>            |                                                                                     |        | bps                      |        |         |      |     |                    |
| US 10y Yield                         |  | 3.39   | -0.6                     | -12    | -35     | 156  | -49 | 140                |
| Germany 10y Yield                    |  | 2.14   | 6.4                      | -10    | -25     | 200  | -43 | 192                |
| EMBIG Sovereign Spread               |  | 427    | -16                      | -12    | -25     | 49   | -25 | 14                 |
| <b>FX / Commodities / Volatility</b> |                                                                                     |        | %                        |        |         |      |     |                    |
| EM FX vs. USD, (+) = appreciation    |  | 51.5   | -0.1                     | 1      | 3       | -3   | 3   | -3                 |
| Dollar index, (+) = \$ appreciation  |  | 101.6  | -0.2                     | 0      | -3      | 6    | -2  | 6                  |
| Brent Crude Oil (\$/barrel)          |  | 82.4   | 0.3                      | -5     | 0       | -10  | -4  | -15                |
| VIX Index (% change in pp)           |  | 18.3   | -0.5                     | 0      | -5      | -6   | -3  | -13                |

Colors denote **tightening/easing** financial conditions for observations greater than ±1.5 standard deviations. Data source: Bloomberg.

## Mature Markets

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### United States

**The latest US jobs data came in much stronger than expected.** Government bond yields shot up in response, with the dollar stronger and equity index futures lower. The data challenge the market consensus of a dovish Fed with rate cuts penciled in for the second half of the year. If employment remains this strong, the Fed might have to push the policy rate higher than current forecasts and keep it high for longer than most are currently expecting.

#### US Jobs Report 8.30am EST

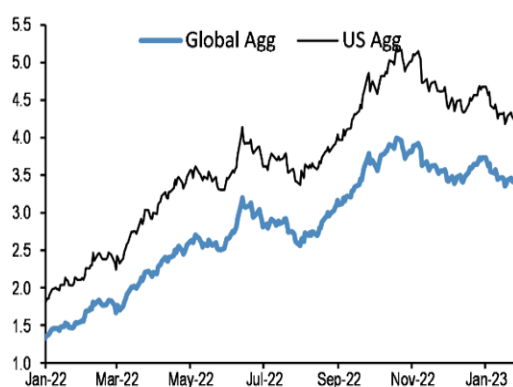
Source: Bloomberg

| Data Point                 | Consensus Forecast | Actual Outcome |
|----------------------------|--------------------|----------------|
| Nonfarm Payrolls           | 188K               | 517K           |
| Unemployment Rate          | 3.6%               | 3.4%           |
| Average Hourly Earnings    | 0.3%               | 0.3%           |
| Hourly Earnings Annualized | 4.3%               | 4.4%           |

**Bonds in the US and globally have seen a significant rally to start the year.** JP Morgan points out that retail investors have played a significant role in US markets. In 2022, retail investors accounted for net outflows of \$200 bn from bond funds. In contrast, January 2023 saw net inflows of \$50 bn from retail investors, on pace for \$600 bn on an annualized basis. This compares to \$1.2 tn of net retail inflows in 2021. The rally in both bond and equity markets has likely resulted in more bond market inflows from institutional investors as well. In the US, most of the pension fund sector is fully funded, leading them to increase their allocations to fixed income while reducing their allocations to equities, further boosting bond markets.

Figure 7: Yield to worst on Global Agg and US Agg indices

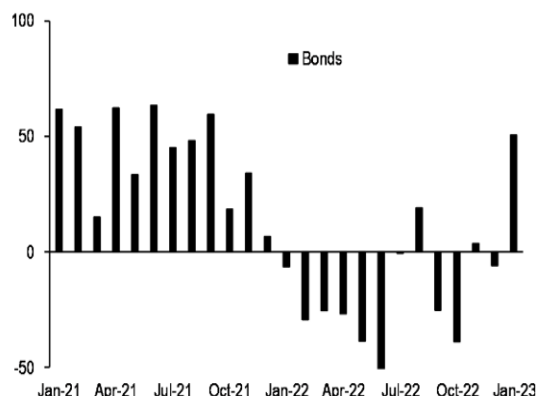
In %



Source: Bloomberg Finance L.P., J.P. Morgan

Figure 8: Bond monthly fund flows

In \$bn



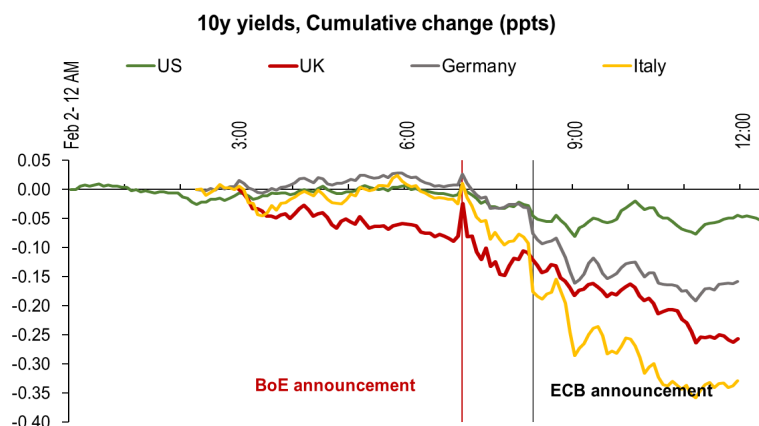
Source: EPFR, J.P. Morgan

**US Treasuries have seen a surge in demand.** Treasury auctions in January saw the strongest demand in 10 years, as measured by the average auction tail (the auction tail is the amount by which the final auction yield falls below the pre-auction yield level; a tail indicates strong demand for the auction). Bank of America believes that foreign buyers have played an important role in the surge in demand for Treasuries, as the dollar index has weakened by 8% since its peak last year, making Treasuries more attractive for foreign investors. The other factor fueling Treasury demand is the strong negative correlation between equity prices and Treasury yields that has emerged in 2023, making Treasuries attractive as a hedge for equity exposures.

## Euro area

**10-yr bund yields (+6 bps) and the euro (+0.2%) are higher after eye-catching moves yesterday.**

**Italian 10-yr yields fell a stunning 39 bps and German 10-yr yields fell by 20 bps yesterday as traders did not buy the ECB's hawkish rhetoric in what analysts describe as a "rollercoaster" of a press conference.** The ECB's terminal rate repriced about 15 bps lower (at around 3.3%) compared to before the announcement (about 3.5%). As expected, the ECB hiked its three key interest rates by 50 bps, bringing its depo rate to 2.5%. The statement noted that activity had been more resilient than previously anticipated, but ECB president Lagarde was very clear in the press conference that underlying inflation pressures had not abated. The ECB pre-committed to hiked 50 bps at its next meeting in March.



**Contacts are questioning the logic of ECB communication and policy.** First, the ECB made a commitment to hike 50 bps again and intends to keep raising rates "significantly at a steady pace", which is seen as inconsistent with a data-dependent "meeting-by-meeting approach." ECB president Lagarde said in November that forward guidance is not helpful. Many contacts also believe that forward guidance led to a costly delay in hiking in June 2022. Second, the ECB did not respond to the emergence of several disinflationary forces in the economy. In addition, previous rate hikes seem to be transmitting through the economy, with a clear negative impact on bank lending in several countries.

**They were few additional details on Quantitative Tightening, but the ECB confirmed that the APP portfolio will decline by €15 bn per month on average from the beginning of March until the end of June 2023.** For the corporate bond purchases, the remaining reinvestments will be tilted more strongly towards issuers with a better climate performance to support the gradual decarbonization of the Euro system's corporate bond holdings.

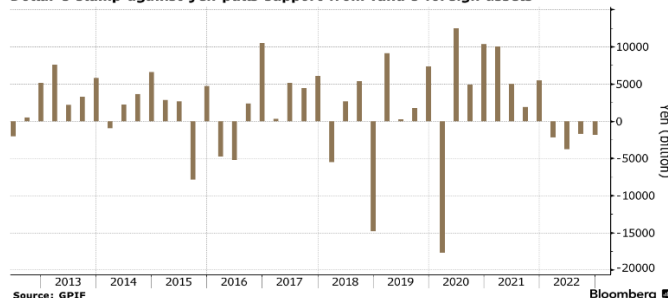
## United Kingdom

**Yesterday, 10-yr yields fell 30 bps to 3% and the pound fell 1.2% after the Bank of England hiked by 50 bps to 4% but softened policy language with new forecasts largely seen as dovish.** Growth and inflation forecasts over the medium-term were upgraded while the near-term profile of inflation was revised lower. **The BoE noted signs that inflation had turned the corner, but added that it is too early to declare a victory with risks significantly tilted to the upside.** Yesterday's outcome was split again, with 7 members supporting the decision while MPC members Tenreyro and Dhingra preferred to keep rates unchanged. Analysts generally expect another 25 bps hike at the next meeting on March 23, with divergent views on the policy path thereafter. **Money markets are pricing in one more hike of 25 bps to 4.5%, followed by cuts and the policy rate trading at 3.85% by December.** This morning, gilt yields were up 2–5 bps.

## Japan

**Governor Kuroda said that it is appropriate for the Bank of Japan (BOJ) to continue with monetary policy easing.** He noted that uncertainties over Japan's economy are extremely high. Separately, the BOJ's unrealized losses from its bond holdings grew about 10 times last quarter, reaching 8.8 tn yen (\$68.5 bn) as of end-December after the BOJ's December policy adjustments that drove up bond yields. **The Government Pension Investment Fund (GPIF) posted a fourth straight quarterly loss in its longest losing streak in two decades.** The GPIF is Japan's state pension fund and the world's largest. The GPIF's loss was due to the rapid appreciation of yen against dollar and the decline in JGB prices.

**GPIF Posts Longest String of Losses in Two Decades**  
Dollar's slump against yen pulls support from fund's foreign assets



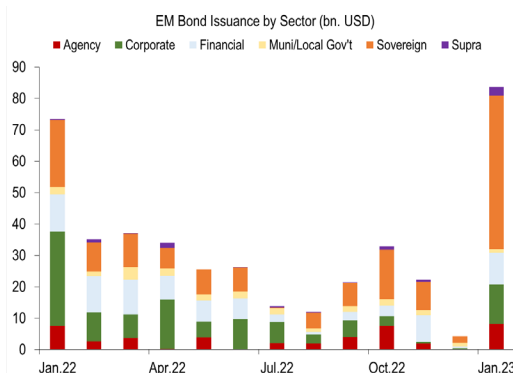
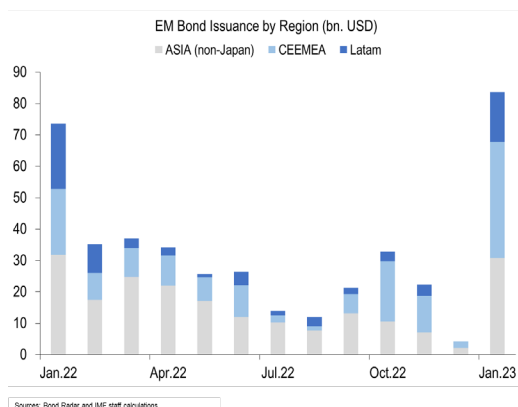
## Emerging Markets

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**EMEA markets were fairly quiet.** Yesterday, the Egyptian central bank kept rates on hold at 16.25%, against market expectations of a 100 bps hike. **Most Asian equities gained, with share prices rising in India (+1.0%) and Korea (+0.5%).** In India, opposition parties stepped up pressure on Prime Minister Modi over his links with tycoon Gautam Adani, and both houses of Parliament were adjourned for a second day over the demand for a parliamentary investigation in the Adani stock rout. **Latin American equities fell, and currencies were mixed on Thursday.** There were notable equity losses in Mexico (-2.06%), Brazil (-1.76%), Argentina (-1.20%). The Chilean peso continued appreciating, and reached another year-to-date high midday, before closing slightly lower.

## EM bond issuance

**EM bond issuance volumes started off strong for the first month of 2023.** Total issuance finished at \$83.7 bn last month, greater than the \$73.5 bn in January 2022. Sovereigns dominated, with 58.5% of the total volume. On a regional level, EMEA had the strongest monthly issuance, equating to about 44.2%, followed by Asia (non-Japan) with 36.8% and Latam with 19%. Issuance picked up this week (\$9.25 bn vs \$5.18 bn last week), with Latam more than doubling week over week (\$5.9 bn vs \$2.13 bn). Most of these bonds were sovereign and corporate, all with maturities between 3 to 10 years.

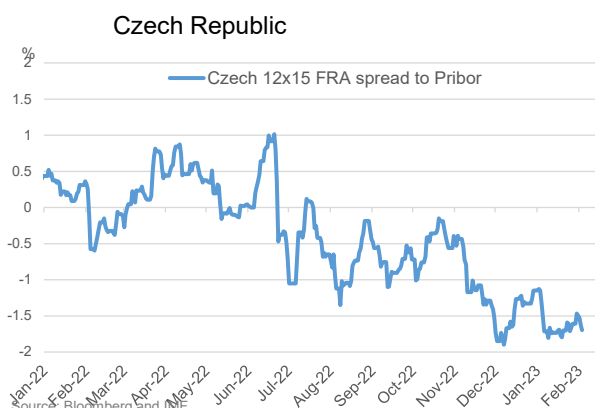


## China

**Chinese equities declined as doubts grow about the economic recovery (CSI 300: -0.9%), ending a run of weekly gains.** Market participants noted that sentiment is turning more cautious after optimism over China's exit from the zero COVID policy. While data during the Lunar New Year holidays pointed to a comeback in consumer spending, the property market remains a key drag. There is a growing divergence in views on the pace of recovery, with retail investors less confident. Market reaction to the news on a full re-opening of the border between Mainland China and Hong Kong SAR was muted. Caixin PMI composite improved to 51.1 in January from 48.3 in December, supported by stronger-than-expected services PMI which improved to 52.9 from 48.0 (consensus: 51.0). Manufacturing PMI, released earlier on Wednesday, showed a slight improvement in manufacturing activity. The People's Bank of China continued withdrawing liquidity that was injected ahead of the Lunar New Year holidays. Repo rates continued to fall, with the key interbank repo rate (DR007) dropping to 1.82% (-9.0 bps). The RMB depreciated (-0.2%).

## Czech Republic

**The Czech National Bank (CNB) kept the policy rate on hold at 7% yesterday as expected, but governor Michl delivered a hawkish surprise saying that he sees rates staying high longer than currently priced by the market.** Markets are pricing about 160 bps in cuts in 2023. The CNB's forecast horizon for returning inflation to 2% is now back to the standard 12–18 months from an extended 18–24 months decided in August last year. The CNB revised its inflation forecast for Q4 2023 down to 7.6% y/y (inflation is forecast to go up to 17.6% in January) with a slightly lower path for inflation in 2024 (around 2.3%). The CNB now also forecasts a milder contraction in 2023, owing mainly to favorable energy market developments and more robust external demand, with overall growth for 2023 at 0.3%.



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## Global Financial Indicators

| 2/3/23 8:19 AM              | Level    |        | Change                           |        |         |      | YTD   | Since<br>23-Feb-22 |
|-----------------------------|----------|--------|----------------------------------|--------|---------|------|-------|--------------------|
|                             | Last 12m | Latest | 1 Day                            | 7 Days | 30 Days | 12 M |       |                    |
| <b>Equities</b>             |          |        | %                                |        |         |      | %     | %                  |
| United States               |          | 4167   | 1.5                              | 2      | 9       | -7   | 9     | -1                 |
| Europe                      |          | 4228   | -0.3                             | 1      | 9       | 2    | 11    | 6                  |
| Japan                       |          | 27509  | 0.4                              | 0      | 6       | 0    | 5     | 4                  |
| China                       |          | 4142   | -0.9                             | -1     | 4       | -9   | 7     | -10                |
| Asia Ex Japan               |          | 72     | -0.7                             | -2     | 9       | -12  | 10    | -10                |
| Emerging Markets            |          | 42     | -0.6                             | -2     | 9       | -14  | 10    | -12                |
| <b>Interest Rates</b>       |          |        | basis points                     |        |         |      |       |                    |
| US 10y Yield                |          | 3.39   | -0.6                             | -12    | -35     | 156  | -49   | 140                |
| Germany 10y Yield           |          | 2.14   | 6.4                              | -10    | -25     | 200  | -43   | 192                |
| Japan 10y Yield             |          | 0.50   | -0.2                             | 1      | 7       | 32   | 7     | 30                 |
| UK 10y Yield                |          | 3.00   | -0.8                             | -33    | -65     | 163  | -67   | 152                |
| <b>Credit Spreads</b>       |          |        | basis points                     |        |         |      |       |                    |
| US Investment Grade         |          | 136    | 0.1                              | -7     | -25     | 11   | -22   | -6                 |
| US High Yield               |          | 420    | -0.5                             | -22    | -64     | 42   | -60   | 13                 |
| Europe IG                   |          | 73     | -1.3                             | -5     | -17     | 12   | -18   | 1                  |
| Europe HY                   |          | 381    | -4.5                             | -26    | -82     | 87   | -93   | 29                 |
| <b>Exchange Rates</b>       |          |        | %                                |        |         |      |       |                    |
| USD/Majors                  |          | 101.57 | -0.2                             | 0      | -3      | 6    | -2    | 6                  |
| EUR/USD                     |          | 1.09   | 0.2                              | 1      | 4       | -4   | 2     | -3                 |
| USD/JPY                     |          | 128.4  | -0.2                             | -1     | -2      | 12   | -2    | 12                 |
| EM/USD                      |          | 51.5   | -0.1                             | 1      | 3       | -3   | 3     | -3                 |
| <b>Commodities</b>          |          |        | %                                |        |         |      |       |                    |
| Brent Crude Oil (\$/barrel) |          | 82.4   | 0.3                              | -5     | 0       | 2    | -4    | -4                 |
| Industrials Metals (index)  |          | 173    | -0.9                             | -2     | 5       | -4   | 5     | -8                 |
| Agriculture (index)         |          | 69     | -0.4                             | 1      | 3       | 7    | 1     | -1                 |
| <b>Implied Volatility</b>   |          |        | %                                |        |         |      |       |                    |
| VIX Index (% change in pp)  |          | 18.3   | -0.5                             | -0.2   | -4.6    | -6.1 | -3.4  | -12.8              |
| US 10y Swaption Volatility  |          | 100.3  | -0.3                             | -4.8   | -32.6   | 22.9 | -25.4 | 6.0                |
| Global FX Volatility        |          | 10.1   | 0.0                              | 0.0    | -0.8    | 2.7  | -0.6  | 2.7                |
| <b>EA Sovereign Spreads</b> |          |        | 10-Year spread vs. Germany (bps) |        |         |      |       |                    |
| Greece                      |          | 181    | -14.4                            | -21    | -43     | -14  | -25   | -59                |
| Italy                       |          | 178    | -4.9                             | -8     | -34     | 27   | -37   | 6                  |
| Portugal                    |          | 82     | -0.4                             | -8     | -19     | 9    | -19   | -10                |
| Spain                       |          | 90     | -1.3                             | -8     | -16     | 11   | -19   | -13                |

Colors denote **tightening**/**easing** financial conditions for observations greater than  $\pm 1.5$  standard deviations. Data source: Bloomberg.

## Emerging Market Financial Indicators

| Last updated:<br>2/3/2023<br>8:22 AM | Exchange Rates |        |                      |        |         |      | YTD | Since<br>23-Feb-22 | Local Currency Bond Yields (GBI EM) |        |                          |        |         |       |      | YTD   | Since<br>23-Feb-22 |
|--------------------------------------|----------------|--------|----------------------|--------|---------|------|-----|--------------------|-------------------------------------|--------|--------------------------|--------|---------|-------|------|-------|--------------------|
|                                      | Level          |        | Change (in %)        |        |         |      |     |                    | Level                               |        | Change (in basis points) |        |         |       |      |       |                    |
|                                      | Last 12m       | Latest | 1 Day                | 7 Days | 30 Days | 12 M |     |                    | Last 12m                            | Latest | 1 Day                    | 7 Days | 30 Days | 12 M  |      |       |                    |
|                                      | vs. USD        |        | (+)= EM appreciation |        |         |      |     |                    | % p.a.                              |        |                          |        |         |       |      |       |                    |
| China                                |                | 6.74   | -0.1                 | 0.8    | 3       | -6   | 2   | -6                 |                                     | 3.1    | -2.3                     | -7     | 9       | 44    | 8    | 29    |                    |
| Indonesia                            |                | 14894  | 0.0                  | 0.6    | 5       | -3   | 5   | -4                 |                                     | 6.5    | -4.4                     | -20    | -51     | 10    | -40  | 5     |                    |
| India                                |                | 82     | 0.4                  | -0.4   | 1       | -9   | 1   | -9                 |                                     | 7.2    | -7.0                     | -26    | -15     | 63.3  | -21  |       |                    |
| Philippines                          |                | 54     | 0.3                  | 1.5    | 4       | -5   | 4   | -5                 |                                     | 5.9    | 0.0                      | -3     | -10     | 133   | -10  | 93    |                    |
| Thailand                             |                | 33     | 0.0                  | -0.7   | 4       | 0    | 5   | -2                 |                                     | 2.5    | 1.0                      | 0      | -12     | 45    | -10  | 31    |                    |
| Malaysia                             |                | 4.26   | -0.3                 | -0.3   | 4       | -2   | 3   | -2                 |                                     | 3.8    | -0.3                     | 1      | -24     | 12    | -27  | 11    |                    |
| Argentina                            |                | 188    | -0.2                 | -1.2   | -5      | -44  | -6  | -43                |                                     | 86.9   | -7.1                     | 30     | 48      | 3727  | -128 | 3897  |                    |
| Brazil                               |                | 5.07   | -0.6                 | 0.7    | 8       | 4    | 4   | -1                 |                                     | 13.3   | 23.8                     | 9      | 24      | 204   | 71   | 177   |                    |
| Chile                                |                | 781    | -0.2                 | 3.3    | 10      | 5    | 9   | 1                  |                                     | 5.2    | 0.0                      | -6     | -13     | -46   | -14  | -71   |                    |
| Colombia                             |                | 4614   | 0.1                  | -0.8   | 6       | -14  | 5   | -15                |                                     | 8.8    | 0.0                      | -72    | -105    | 153   | -98  | 93    |                    |
| Mexico                               |                | 18.72  | -0.3                 | 0.2    | 4       | 10   | 4   | 8                  |                                     | 8.2    | -4.0                     | -17    | -55     | 67    | -55  | 34    |                    |
| Peru                                 |                | 3.8    | 0.5                  | 0.1    | -1      | 1    | -1  | -3                 |                                     | 7.8    | 0.3                      | -17    | -20     | 173   | -17  | 180   |                    |
| Uruguay                              |                | 39     | -0.1                 | -0.3   | 3       | 13   | 3   | 9                  |                                     | 10.0   | -10.0                    | -6     | -70     | 132   | -70  | 183   |                    |
| Hungary                              |                | 353    | 0.1                  | 1.6    | 7       | -12  | 6   | -10                |                                     | 7.8    | 0.0                      | 0      | -154    | 292   | -179 | 300   |                    |
| Poland                               |                | 4.29   | 0.1                  | 0.9    | 3       | -7   | 2   | -6                 |                                     | 5.1    | -4.0                     | -17    | -85     | 105   | -110 | 115   |                    |
| Romania                              |                | 4.5    | 0.2                  | 0.5    | 4       | -4   | 3   | -2                 |                                     | 7.2    | -12.4                    | 7      | -48     | 218   | -48  | 206   |                    |
| Russia                               |                | 70.8   | -0.2                 | -1.4   | 3       | 8    | 5   | 15                 |                                     | 10.2   | -28.4                    | -28    | -35     | 82    | -170 | -102  |                    |
| South Africa                         |                | 17.1   | -0.5                 | 0.2    | -1      | -11  | -1  | -12                |                                     | 8.5    | 2.5                      | -14    | -54     | 90    | -63  | 95    |                    |
| Turkey                               |                | 18.81  | 0.0                  | -0.1   | 0       | -28  | -1  | -27                |                                     | 10.8   | 9.0                      | 43     | 217     | -1219 | 101  | -1158 |                    |
| US (DXY; 5y UST)                     |                | 102    | -0.2                 | -0.4   | -3      | 6    | -2  | 6                  |                                     | 3.48   | -0.5                     | -13    | -41     | 181   | -52  | 158   |                    |

|              | Equity Markets |        |               |        |         |      |          | YTD | Since<br>23-Feb-22 | Bond Spreads on USD Debt (EMBIG) |        |         |      |      |      |  | YTD | Since<br>23-Feb-22 |
|--------------|----------------|--------|---------------|--------|---------|------|----------|-----|--------------------|----------------------------------|--------|---------|------|------|------|--|-----|--------------------|
|              | Level          |        | Change (in %) |        |         |      | Level    |     |                    | Change (in basis points)         |        |         |      |      |      |  |     |                    |
|              | Last 12m       | Latest | 1 Day         | 7 Days | 30 Days | 12 M | Last 12m |     |                    | Latest                           | 7 Days | 30 Days | 12 M |      |      |  |     |                    |
|              |                |        |               |        |         |      |          |     | basis points       |                                  |        |         |      |      |      |  |     |                    |
| China        |                | 4142   | -0.9          | -1     | 4       | -9   | 7        | -10 |                    | 184                              | 0      | 7       | -20  | 7    | -24  |  |     |                    |
| Indonesia    |                | 6912   | 0.3           | 0      | 3       | 3    | 1        | 0   |                    | 142                              | -6     | 2       | -46  | 2    | -43  |  |     |                    |
| India        |                | 60842  | 1.5           | 3      | 2       | 4    | 0        | 6   |                    | 154                              | 7      | 12      | 13   | 12   | 0    |  |     |                    |
| Philippines  |                | 7027   | 0.6           | 0      | 5       | -6   | 7        | -5  |                    | 109                              | -6     | 12      | -8   | 12   | -28  |  |     |                    |
| Thailand     |                | 1688   | 0.3           | 0      | 1       | 1    | 1        | 0   |                    | 0                                | 0      | 0       | 0    | 0    | 0    |  |     |                    |
| Malaysia     |                | 1490   | 0.0           | -1     | 1       | -2   | 0        | -6  |                    | 105                              | -1     | 5       | -18  | 5    | -28  |  |     |                    |
| Argentina    |                | 248855 | -0.9          | -5     | 25      | 182  | 23       | 172 |                    | 1807                             | -36    | -398    | 86   | -398 | 70   |  |     |                    |
| Brazil       |                | 110256 | -1.7          | -2     | 6       | -1   | 0        | -2  |                    | 266                              | -8     | -8      | -50  | -8   | -65  |  |     |                    |
| Chile        |                | 5287   | 0.1           | -1     | 3       | 19   | 0        | 21  |                    | 135                              | -2     | 3       | -19  | 3    | -39  |  |     |                    |
| Colombia     |                | 1260   | -0.7          | -2     | -1      | -17  | -2       | -17 |                    | 364                              | 2      | -8      | 2    | -8   | -28  |  |     |                    |
| Mexico       |                | 53875  | -2.1          | -2     | 10      | 5    | 11       | 5   |                    | 340                              | -17    | -41     | 4    | -41  | -30  |  |     |                    |
| Peru         |                | 22400  | -0.8          | -2     | 4       | 1    | 5        | -4  |                    | 186                              | -4     | 6       | 16   | 6    | -4   |  |     |                    |
| Hungary      |                | 45249  | -0.9          | -3     | 1       | -13  | 3        | -5  |                    | 197                              | -22    | -25     | 65   | -25  | 44   |  |     |                    |
| Poland       |                | 61463  | 0.2           | 0      | 5       | -10  | 7        | -2  |                    | 79                               | -9     | 6       | 66   | 6    | 63   |  |     |                    |
| Romania      |                | 12287  | 0.2           | 1      | 2       | -8   | 5        | -7  |                    | 228                              | -20    | -28     | 27   | -28  | -4   |  |     |                    |
| Russia       |                | 2250   | 0.3           | 3      | 4       | -35  | 4        | -27 |                    | 3411                             | -577   | 938     | 3228 | 3234 | 2897 |  |     |                    |
| South Africa |                | 80035  | 0.3           | -1     | 8       | 7    | 10       | 7   |                    | 343                              | -15    | -24     | -21  | -24  | -46  |  |     |                    |
| Turkey       |                | 4920   | 3.5           | -5     | -13     | 151  | -11      | 144 |                    | 489                              | -12    | 49      | -63  | 49   | -74  |  |     |                    |
| Ukraine      |                | 507    | 0.0           | 0      | -2      | -3   | -2       | -2  |                    | 4177                             | 102    | 98      | 3329 | 98   | 2704 |  |     |                    |
| EM total     |                | 42     | -0.1          | -2     | 9       | -14  | 10       | -12 |                    | 356                              | -10    | -20     | -52  | -20  | -102 |  |     |                    |

Colors denote tightening/easing financial conditions for observations greater than  $\pm 1.5$  standard deviations. Data source: Bloomberg.

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