FTSE RUSSELL
An LSEG Business

Fixed Income Insights

MONTHLY REPORT – **MARCH 2024 | US EDITION**

FOR PROFESSIONAL INVESTORS ONLY

Are US Treasuries preparing for a return to Goldilocks?

Despite G7 goods disinflation, long govt yields backed up further in February, after stronger US data showed the economy's resilience. Equity market outperformance drove further credit gains, led by high yield, as the risk rally continues and similarities with Goldilocks increase. China and EM remain safe havens among govt bonds.

Chart 1: G7 7-10 year nominal yields backed up further in February, ex Japan, driven by stronger US growth and central bank caution.

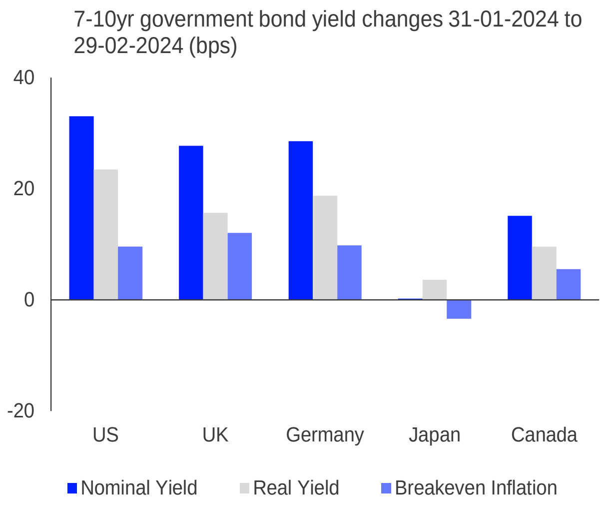
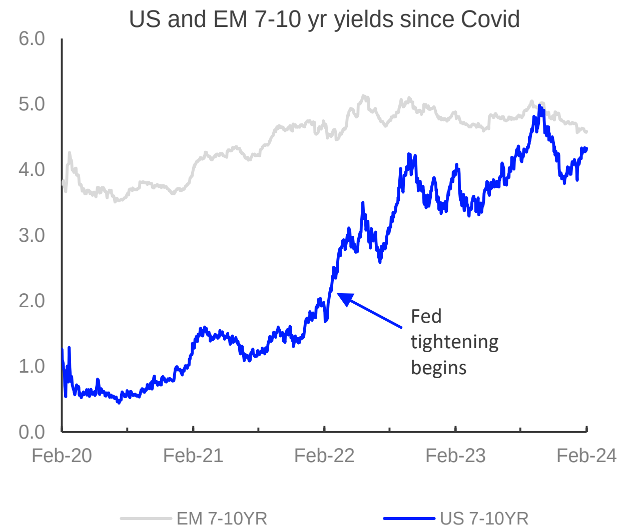


Chart 2: An EM crisis that never was? US 7-10yr yields have risen vs EM yields since Covid & particularly since Fed tightening began.



Source: FTSE Russell and Lipper. Data available as of February 29, 2024. Past performance is no guarantee of future results. This report should not be considered 'research' for the purposes of MIFID II. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix for list of indices used for each market.

Macroeconomic Backdrop – Growth and Inflation Expectations

The contrast between strong US GDP growth, and weakness elsewhere remains a key feature in Q1. Concern about a sustainable fall in inflation is also delaying policy easing in Europe. Labor markets remain at high levels of employment, led by the US, reflecting labor hoarding and structurally low participation rates. The sharp decline in goods inflation reflects easing in supply-chains and is in contrast to stickier services inflation, though both are now declining in the US.

Consensus forecasts recognize the resilience of the US to higher rates, with sizeable growth differentials forecast with Europe in 2024.The Atlanta-Fed Now forecast shows US GDP growth tracking at 4.2% in Q1, helped by the easing in financial conditions and the cost of capital since October. European growth is subdued by a weaker consumer, after Covid windfalls were spent, and higher rates. Policy easing is propping up Chinese growth forecasts, but weaker net trade and property remain major drags.

Chart 2 shows the more mixed picture on inflation. Central bank focus is on sustaining inflation at 2% target levels, rather than a short-term blip to below target levels on favorable y/y base effects. Sticky service sector inflation is a key factor, also, and with the US near full employment, and inflation above target at 3% y/y, there is little immediate pressure on the Fed to ease policy.

The US labor market remains robust, judged by sizeable jobs gains in January (+353k), though January labor market reports are prone to noise from the large seasonal adjustment boost the numbers receive for winter weather. The seasonal was nearly +3m this January, so unadjusted, January payrolls show job losses of 2.6mn. Average hourly earnings may have been boosted by the shorter working week, as bad weather reduced hours worked. But the overall picture is a firm labor market.

Rapid disinflation in the tradeable goods sector continues, as supply-chains remain intact, despite fears of permanent damage to just-in-time inventory control and supply-chains after Covid*. This may also reflect some localization of supply-chains, due to geo-economic fragmentation. Service sector inflation remains stickier, and is keeping overall inflation higher, as Chart 4 shows.

*See "Global Supply-Chain pressures: is it different this time, or just a matter of timing ?", LSEG, February 2024.

Chart 1: US forecasts continue to be revised higher, after a strong Q1 so far. Eurozone and UK forecasts remain weak, after technical recessions. China is exposed to the global slowdown but PBoC easing continues.

Consensus Real GDP Forecasts (Avg., %, February 2024)

	2023	2024	2025
US	2.5	2.1	1.7
UK	0.5	0.3	1.1
Eurozone	0.5	0.5	1.4
Japan	1.9	0.6	1.0
China	5.2	4.6	4.5
Canada	1.1	0.5	2.0

Chart 2: The Q1 inflation uptick has confirmed achieving 2% targets on a sustained basis may be tougher than markets presumed. Service sector inflation is now the main driver. Chinese deflation risks remain.

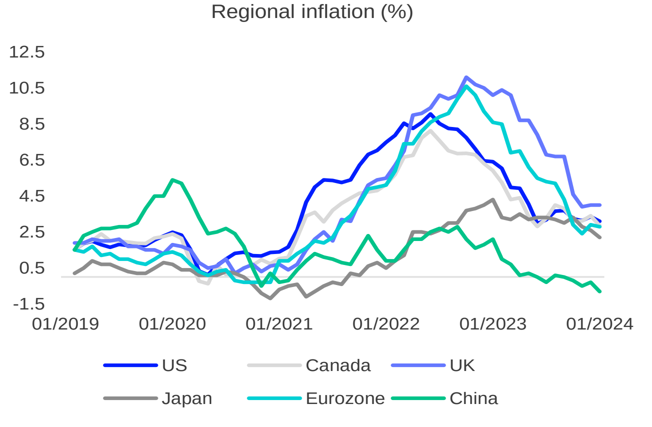


Chart 3: The US labor market remains near full employment, with 3.7% unemployment. But January's report has a major (positive) seasonal adjustment to employment, so may overstate labor market strength.

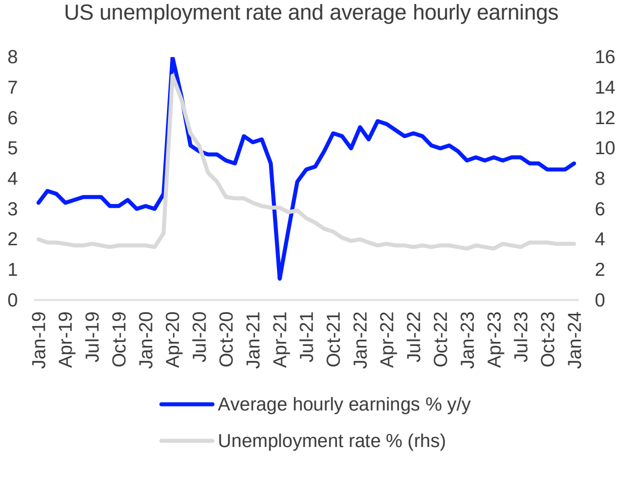
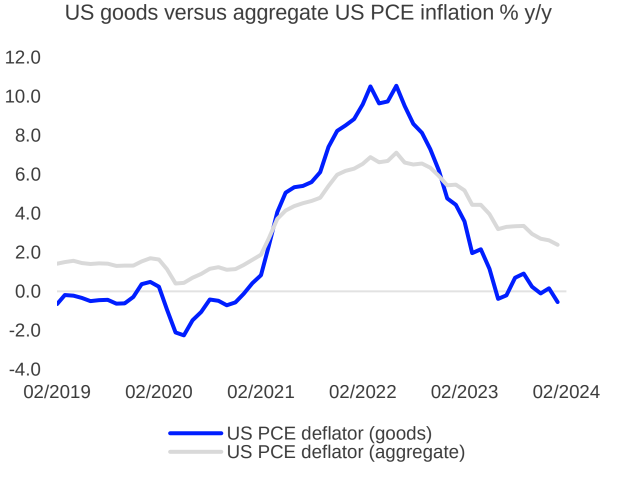


Chart 4. Evidence supply-chain pressures eased in tradeable goods, and demand has weakened, despite disruption to Red Sea shipping, is found in lower US goods inflation. Service sector inflation is preventing faster disinflation.



Source: FTSE Russell and LSEG. Available data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Financial Conditions and Monetary Policy Settings

Central banks remain cautious on the pace of easing in monetary policy in the G7 in 2024-25, unless a deflationary shock intrudes (like the GFC or Covid). G7 economies have generally withstood the 2023-24 policy tightening, aided by labor hoarding, as labor forces shrink, though the growth differential in favor of the US has widened, boosting the US dollar. European recessions increase pressure on central banks to pivot towards easing and halt Quantitative Tightening (QT).

Chart 1 shows the profile of G7 easing cycles since 2000, and how rapid, and substantial the easing cycles in response to the deflationary shocks of the GFC and Covid proved to be*. In contrast, the easing following the TMT boom/bust lasted 29 months for the Fed, between the first rate cut and the last. The slow motion G7 slowdown in 2023-24 has more similarities with the TMT boom/bust, suggesting a flatter profile for interest rate easing in 2024-25, barring another deflationary shock.

The US dollar drew strength from stronger economic data in February - see Chart 2 - as markets scaled back easing expectations, and rate differentials improved. Sterling retained higher levels, despite confirmation of UK recession, helped by BoE caution on rates. But the yen fell below Y150 versus the dollar, in the absence of clear signals on the timing of the exit from BoJ curve control.

Fed Chairman Jerome Powell stressed the prudence of taking time to see if the data confirm inflation has fallen to 2% “in a sustainable way”, at the February FOMC meeting. Temporary inflation dips to below 2% y/y on technical base effects may not be sufficient to drive US Fed easing, given buoyant growth, though stagnant growth in Europe could force an earlier move.

QT continues, shrinking central bank balance sheets, with signs of money market strains in Canada obliging the BoC to supply emergency liquidity (reminiscent of the Fed’s intervention in 2019). Uncertainty about the equilibrium size of central bank balance sheets lurks in the background, though it seems unlikely to be below pre-Covid levels, which was about $4trn for the Fed (Chart 4).

* See “Timing, tempo and terminal rates; lessons from previous G7 easing cycles”, LSEG, February 2024

Chart 1: G7 easing cycles typically lasted 2-3 years, before the rapid easing after the GFC and Covid shocks. The slow-motion slowdown in 2023-24, which the US has largely escaped, suggests a similar outcome.

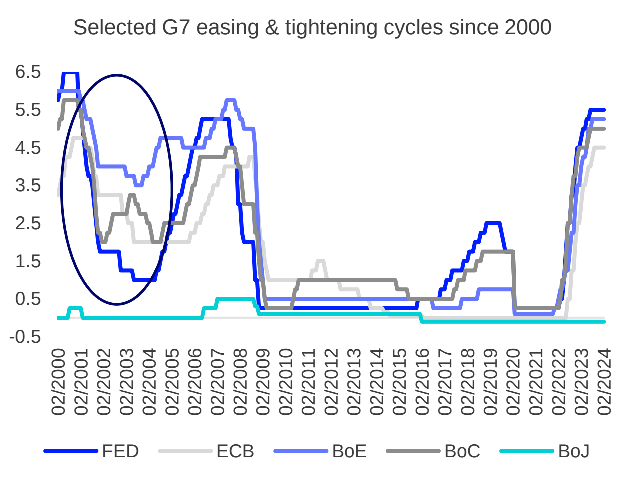


Chart 2: The dollar rallied again in February, helped by stronger economic data, and diminished prospects of early Fed easing. Sterling drew support from the low probability of early BoE easing, despite the UK recession.

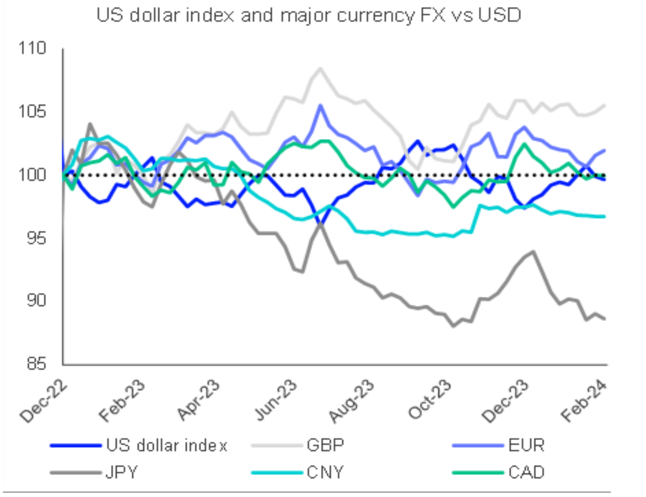


Chart 3: Central banks remain on hold, even if growth is very weak in Europe, and inflation near targets. A sustainable decline in inflation to below 2% is the key issue, not a brief technical drop on base effects.

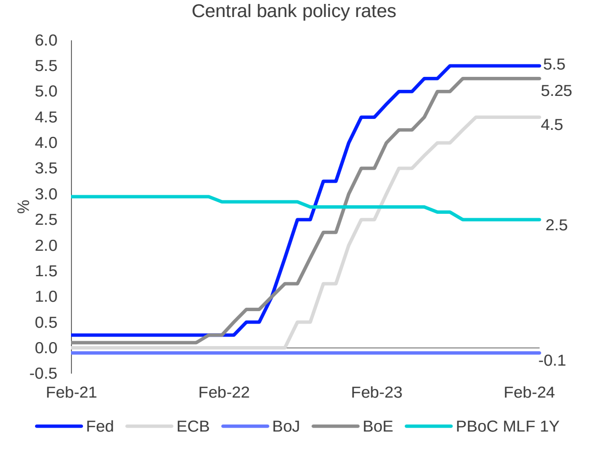
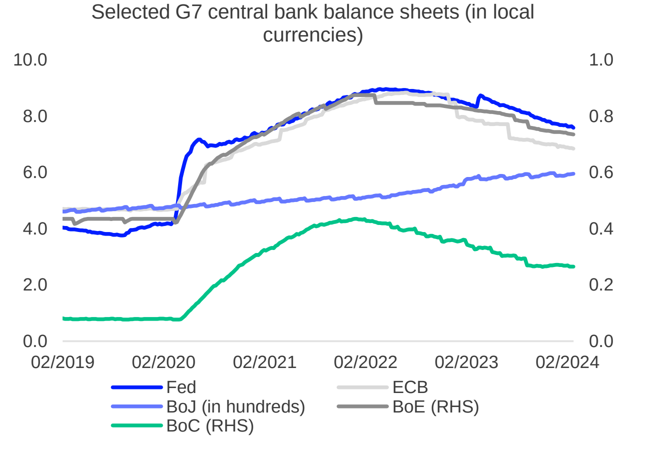


Chart 4: G7 QT continues, though tension with easing rates may force a pause later in 2024. The equilibrium size of central bank balance sheets is still an issue, and central banks will monitor money market strains with this in mind.



Source: FTSE Russell, LSEG, US Federal Reserve. Data available as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Global Yields, Curves and Breakevens

Chart 1: Yields continued to back up in February, as markets scaled back central bank easing prospects, led by the US Fed. The uptick in G7 inflation didn't help sentiment either, in longer dated maturities.

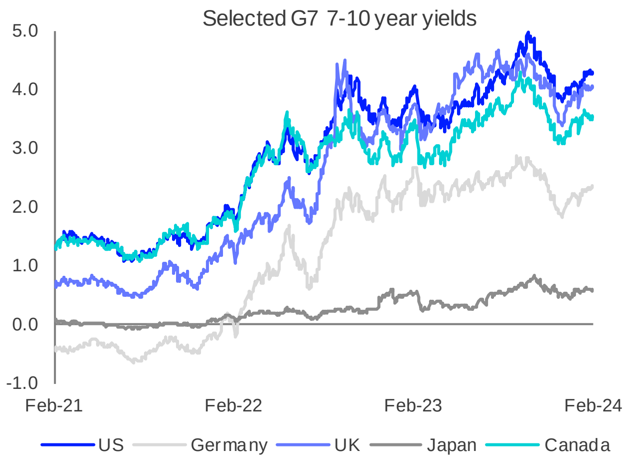


Chart 2: 7-10 year real yields broadly tracked nominal yields higher, though remain below the cycle highs in 2023. Stronger Q1 real growth also contributed to the back-up in real yields in US Tips.

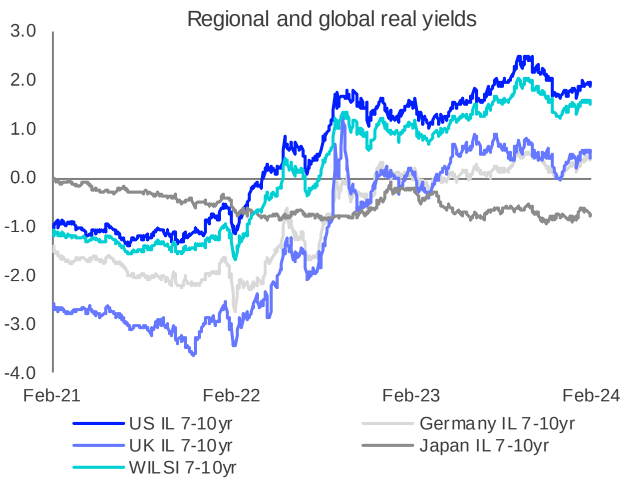


Chart 3: Yield curves remain deeply inverted as both short and medium dated yields backed up in February, though inversion is less pronounced than in 2023, as markets anticipate policy easing and lower short yields.

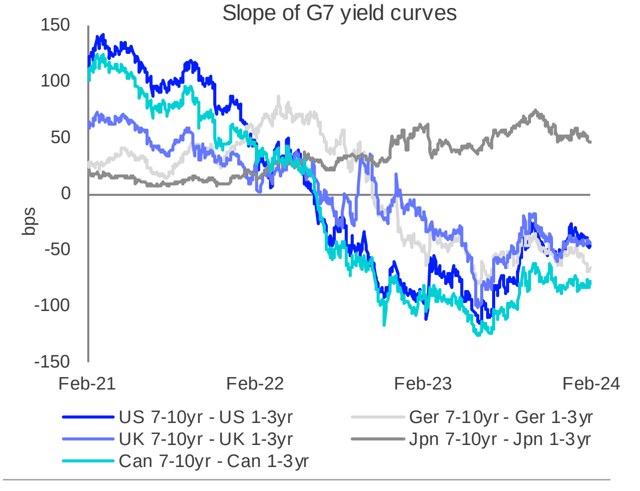


Chart 4: The long end has resumed the bear inversion pattern that dominated 2022-23 (during G7 central bank tightening, ex Japan). Despite flattening in Q1, the long UK curve now has a positive gradient.

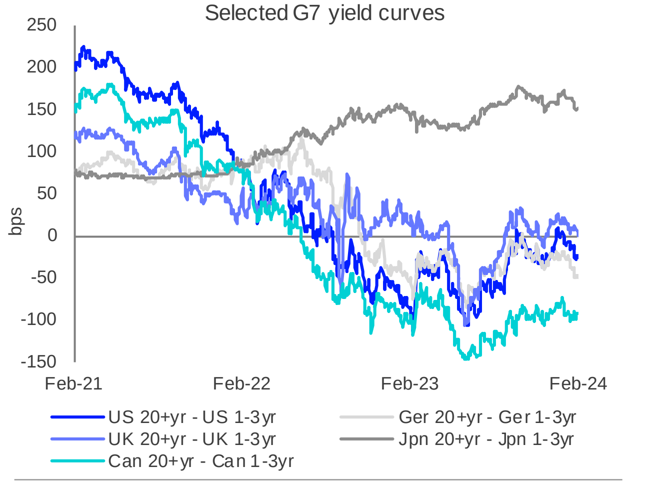


Chart 5: Inflation breakevens edged higher in February, aside from Japan. The inflation uptick helped push breakevens higher, but the moves were also directional, since breakevens tend to move pro-cyclically with nominal yields.

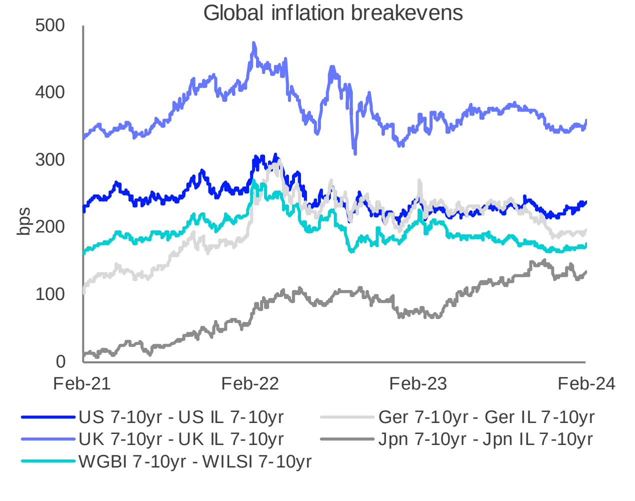
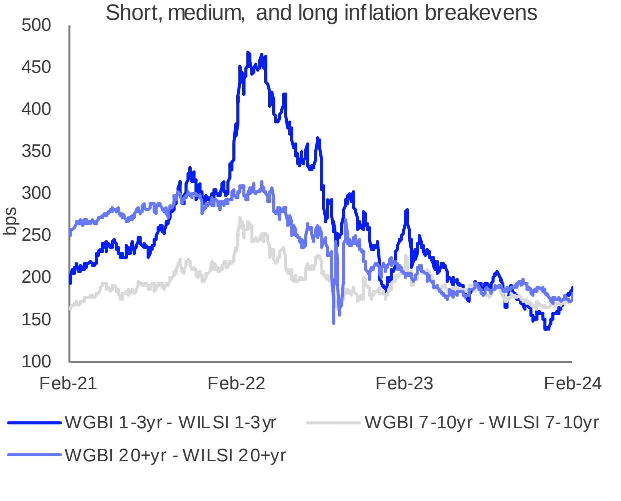


Chart 6: Globally, short-dated breakevens are closely correlated with spot inflation, rising sharply in 2022 before collapsing in 2023, as inflation rates fell. Longer dated breakevens remain stable, under 2%.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Yield Spread and Credit Spread Analysis

Chart 1: US sovereign spreads widened a little further in February, reflecting stronger US economic growth, and Fed caution on policy easing. Spreads moved most versus Japan, due to BoJ curve control.

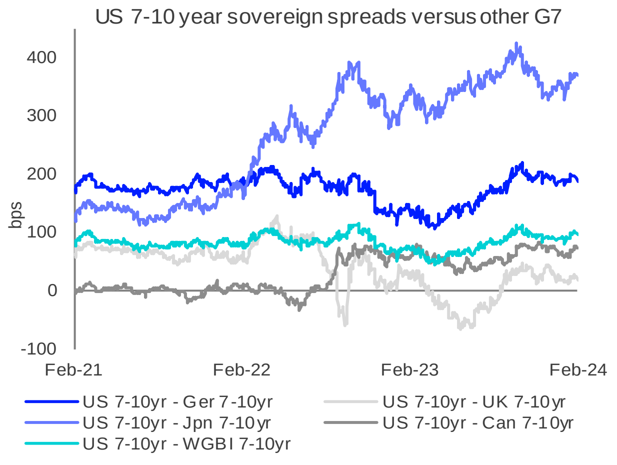


Chart 2: The risk-on rally helped Italian spreads tighten in February, ex Japan. Spreads have been tightening since Q1, 2023, after ECB pledges of support to prevent dysfunction in monetary policy transmission.

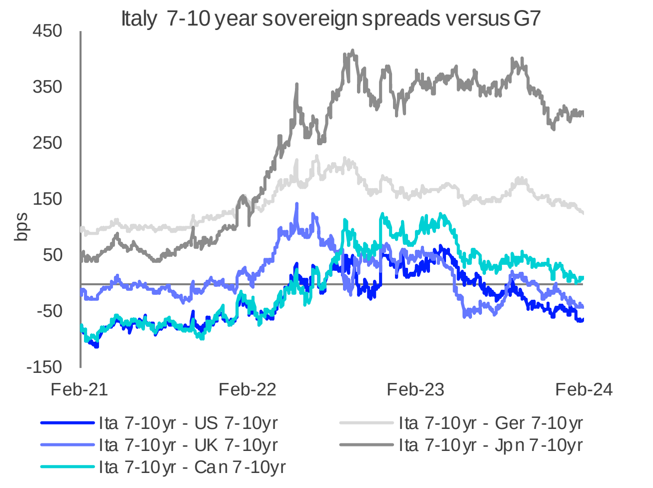


Chart 3: EM spreads tightened in February, helped by Chinese yields falling further, and the back-up in G7 yields. There has been little sign of the sharp widening in EM spreads that traditionally occurred in Fed tightening cycles.

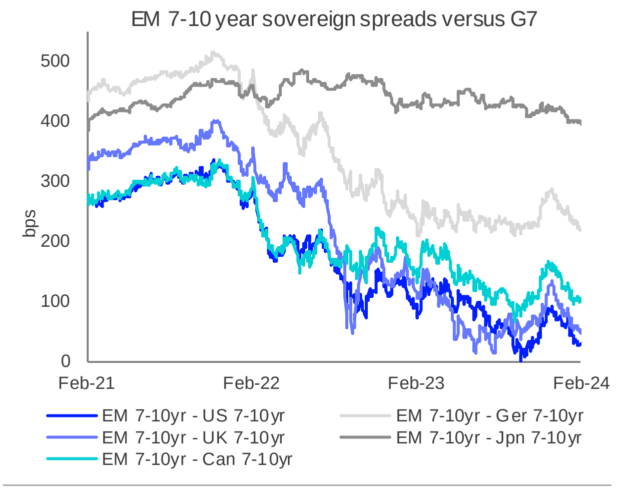


Chart 4: With the PBoC easing monetary policy further, but G7 central banks firmly on hold, spreads in 7-10 years fell again in February. Chinese govt bond yield correlation remains strongly negative with the G7.

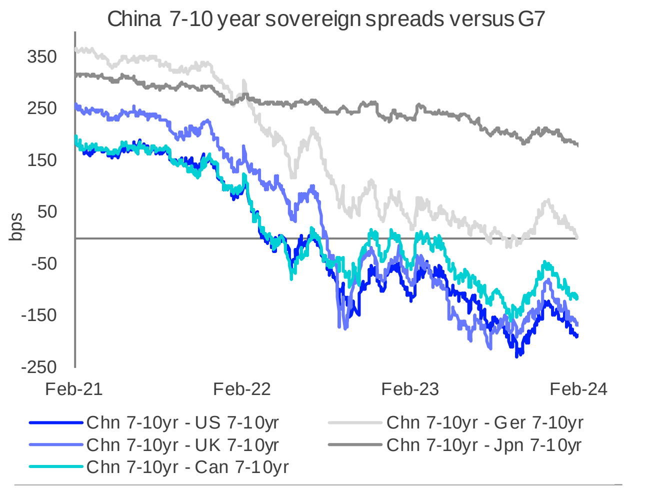


Chart 5: A surge in corporate issuance restricted tightening in spreads. High yield spreads have converged more than IG in 2023/24.

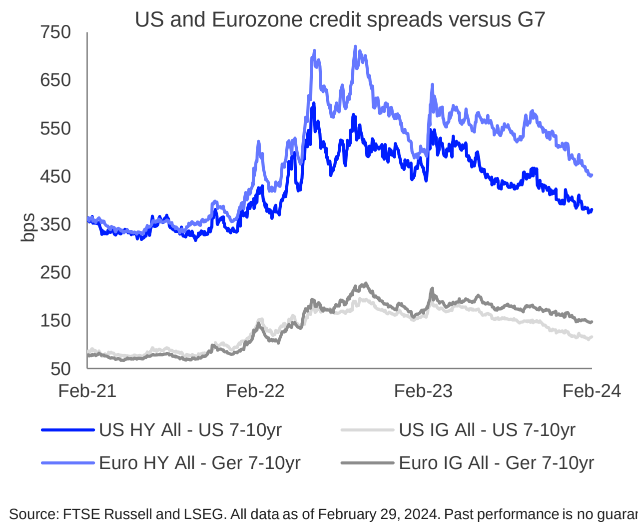
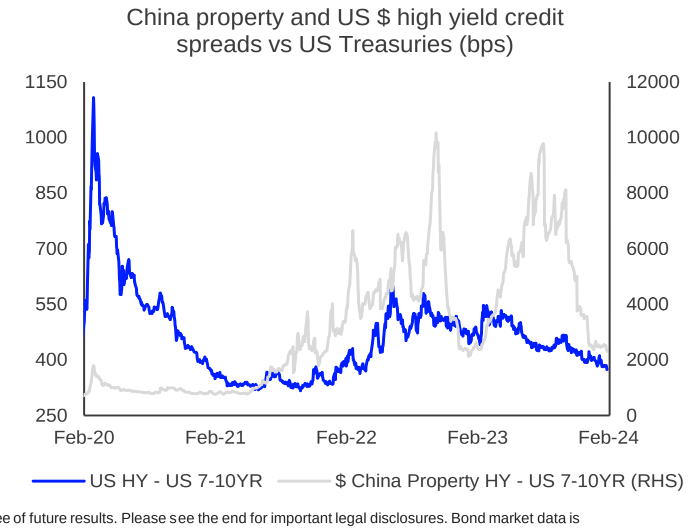


Chart 6: Both US and Chinese $ HY credit spreads tightened further in February, as US Treasury yields rose. China's property bonds benefited from the 5Y LPR cut, designed to support demand in the real estate sector.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Investment Grade Credit and MBS analysis

Chart 1: IG energy and bank spreads tightened most in Q1, helped by higher Treasury yields. Telecoms and Services spreads flat-lined. Capex pressure on the Telecom sector remains a feature (see page 7, Chart 2).

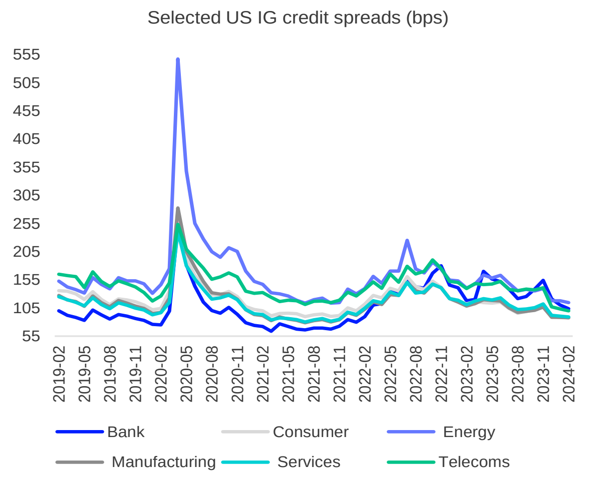


Chart 2: Eurozone spreads are normalizing, but still remain above pre-Covid levels, reflecting weak growth, the energy and Ukraine shocks. The 2022 spike in spreads was far greater in Europe than the US.

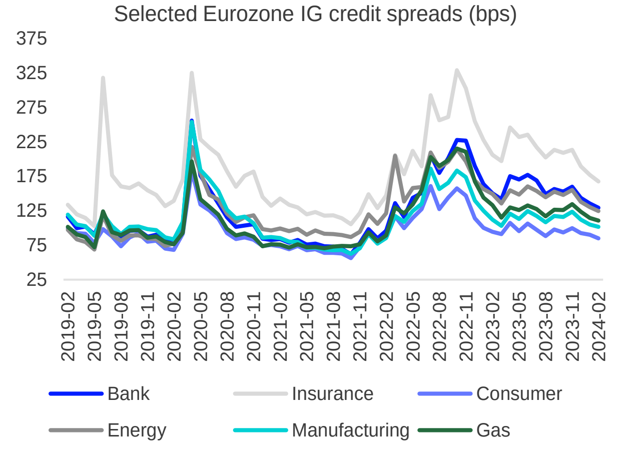


Chart 3: UK credit spreads continued to tighten in Q1, partly because of higher gilt yields, with bank spreads benefiting from a slightly steeper yield curve as well, despite the UK recession in H2 2023.

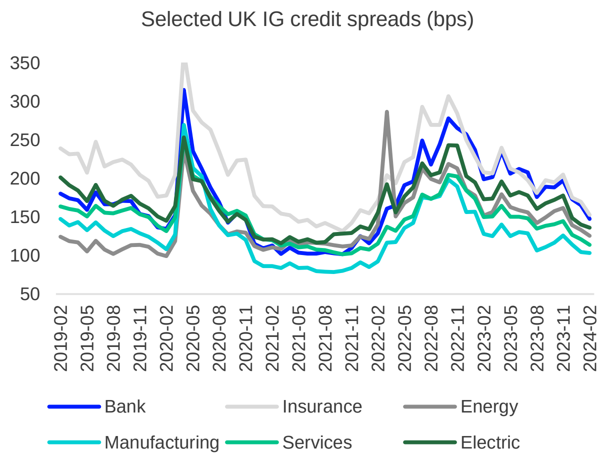


Chart 4: US real estate and financial spreads have been tightening since mid-2023, helped by a slightly steeper yield curve, receding recession fears and low mortgage default rates (due to high employment levels).

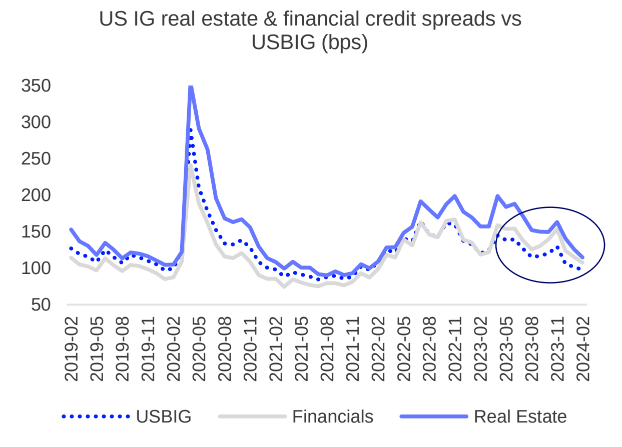


Chart 5: IG credit spreads continue to narrow, relative to RMBS spreads, despite the RMBS Agency guarantee. The Q1 back-up in Treasury yields barely moved RMBS spreads, partly because the Fed is reducing its holdings.

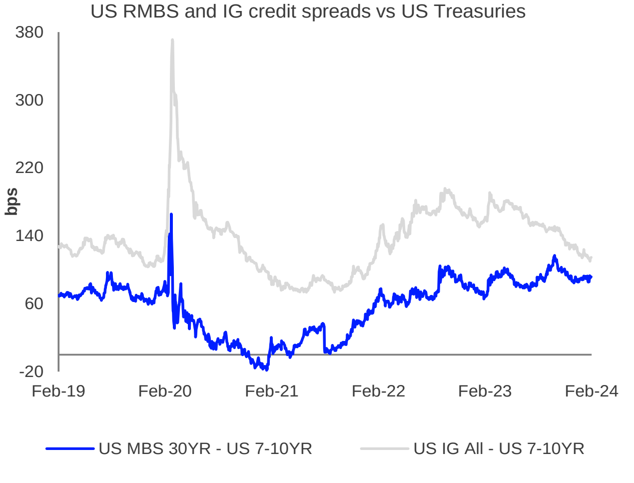
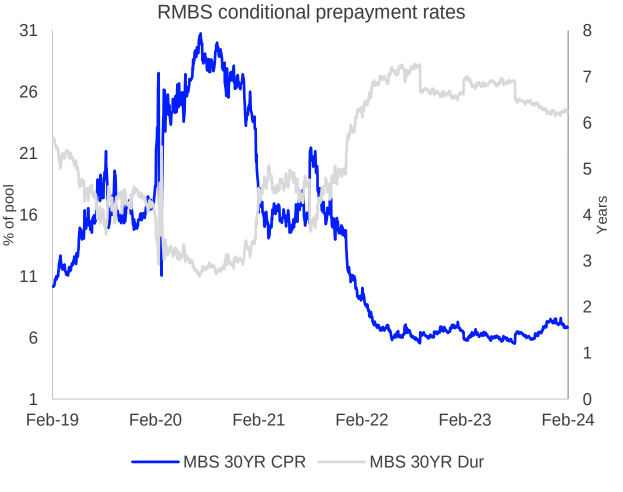


Chart 6: The Q4 Treasury rally caused a slight increase in prepayment rates, and fall in duration, but this was short-lived as mortgage rates rebounded, with no incentive for mortgagors to refinance at higher rates.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

High Yield Credit Analysis

Chart 1: US high yield (HY) spreads continue to tighten, helped by the risk rally and correlation with US equities. US IG spreads have narrowed as well, but are more closely tied to Treasury yields, than HY.

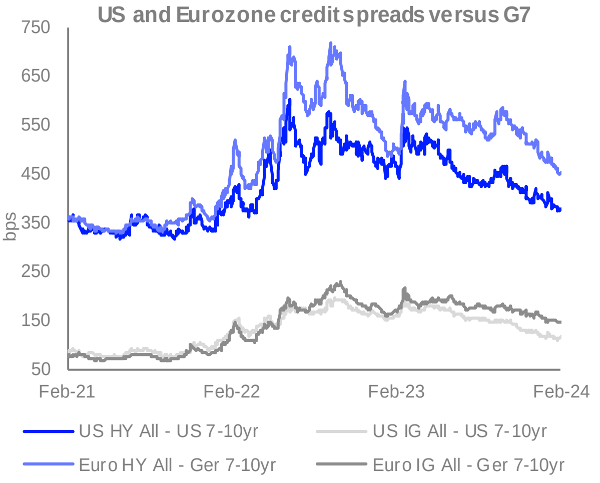


Chart 2: Only HY Telecom spreads have widened in 2022-23, reflecting costs of new networks and increased competition in broadband provision. Spreads have mostly tightened since yields peaked in Q4, 2022.

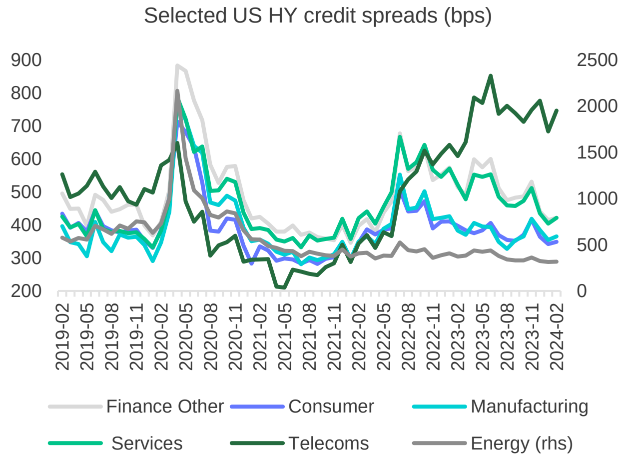


Chart 3: US HY returns show sizeable gains since the risk rally began, with 12 months returns of 9% (see page 9). HY recovered quickly during Covid, helped by Fed QE, even if Fed QE did not cover lower grade HY.

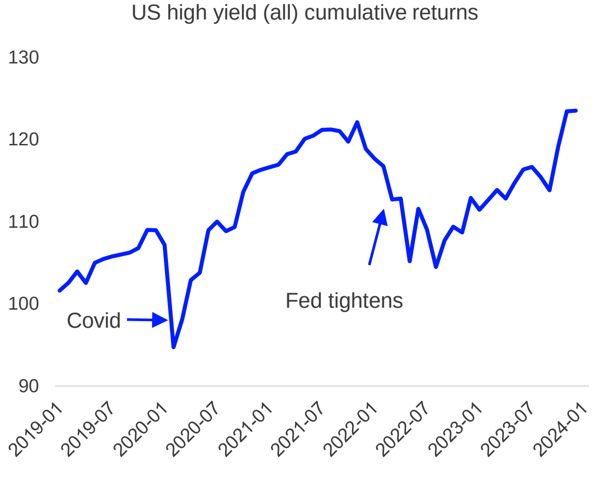


Chart 4: After marked underperformance by CCC during Covid, the Ukraine shock and the early months of Fed tightening, CCC has recovered strongly, and outperformed in the 2023-24 risk rally.

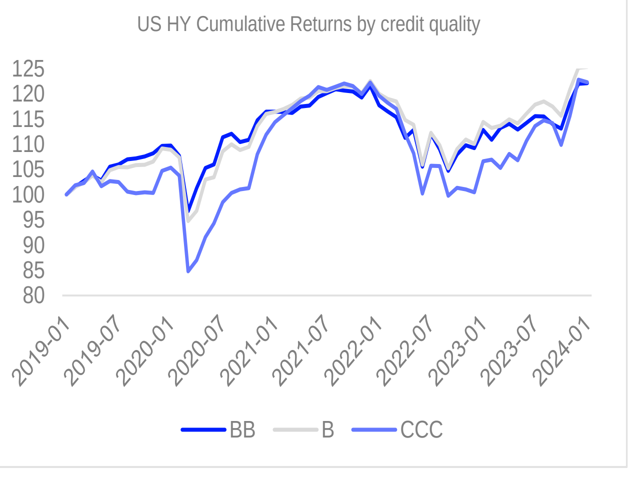


Chart 5: US HY duration fell sharply since Fed tightening began in March 2022. BB duration dropped more than CCC, reflecting closer correlation to Treasuries than CCC, and outperformance by CCC.

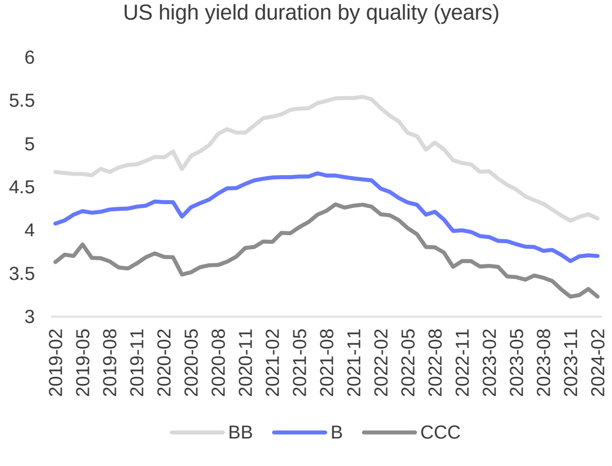
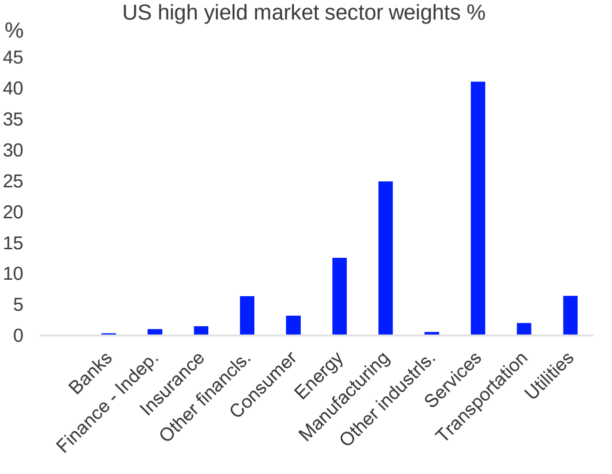


Chart 6: US HY market sector weights are dominated by manufacturing, services, and energy. Financials have a low weighting, in straight HY bonds, with much of their issuance in cross-overs like Prefs. and AT1.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Sovereign and Climate Bonds Analysis

Chart 1: Extra duration has taken its toll on green sovereign WGBI performance, which has underperformed WGBI by 74bp in Q1, 2024 to end-February. Green sovereigns outperformed in the Q4 rally.

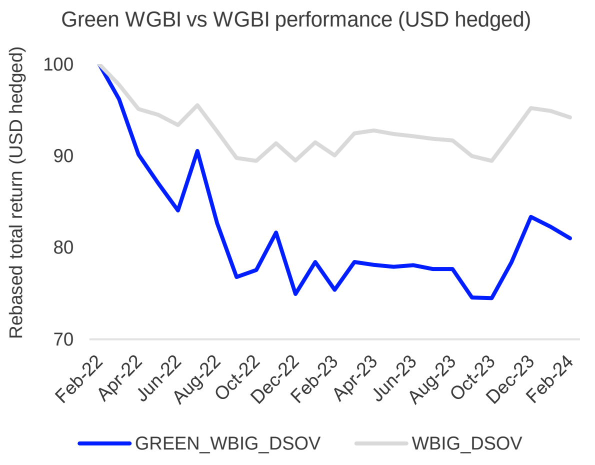


Chart 2: Green corporate bonds outperformed by 45bp (USD hedged) YTD, reflecting the shorter duration of green corporates. The "greenium" remains at about 70bp (green yields below broader corporates).

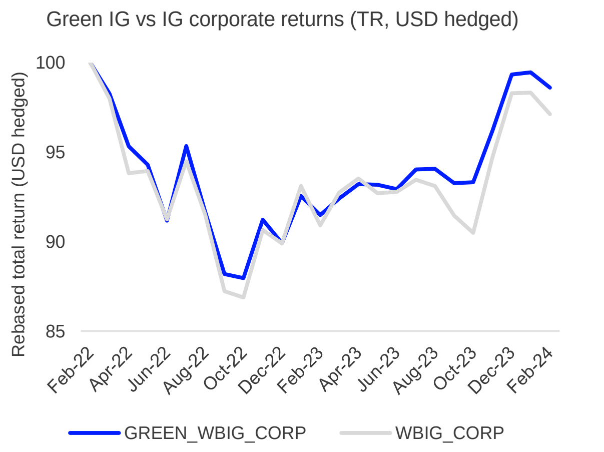


Chart 3: Extra duration in green sovereigns is quite marked, though it has fallen from a peak of about 6.7 years in early 2022. The difference crept up in Q1, after the UK tapped the 2053 green gilt issue.

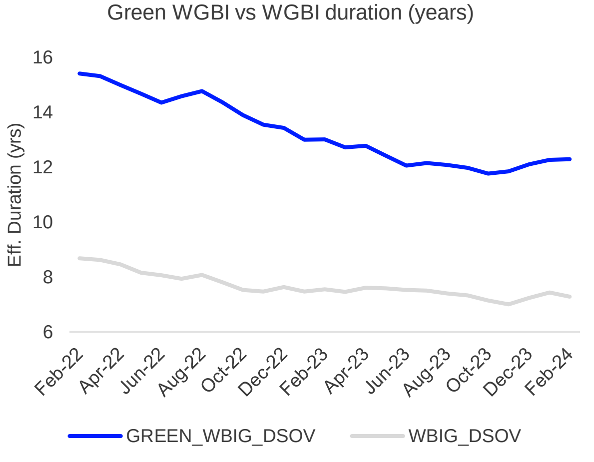


Chart 4: Unlike Sovereigns, Green IG corporates have shorter duration than other IG corporates, by about 1 year, a much less marked difference in duration than in sovereign bonds.

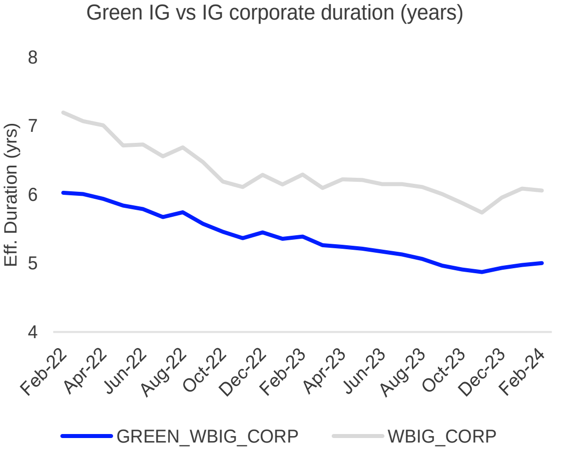


Chart 5: Issuance in the green sovereign and supras market is strong YTD, after weakness in H2 2023. Issuance fell back in February after the surge in January on the re-opening of the UK's green 2053 gilt.

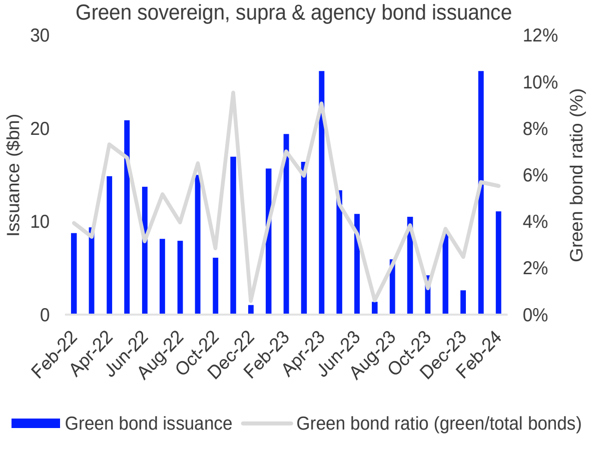
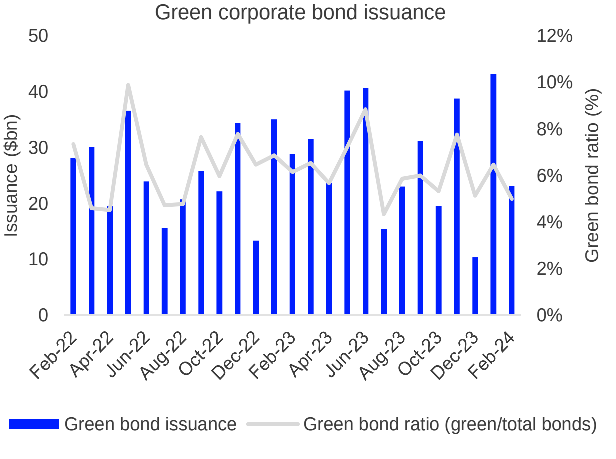


Chart 6: Green corporate issuance remained relatively robust in February, although it fell versus January. January 2024's Green issuance of about $40bn was close to a monthly record.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

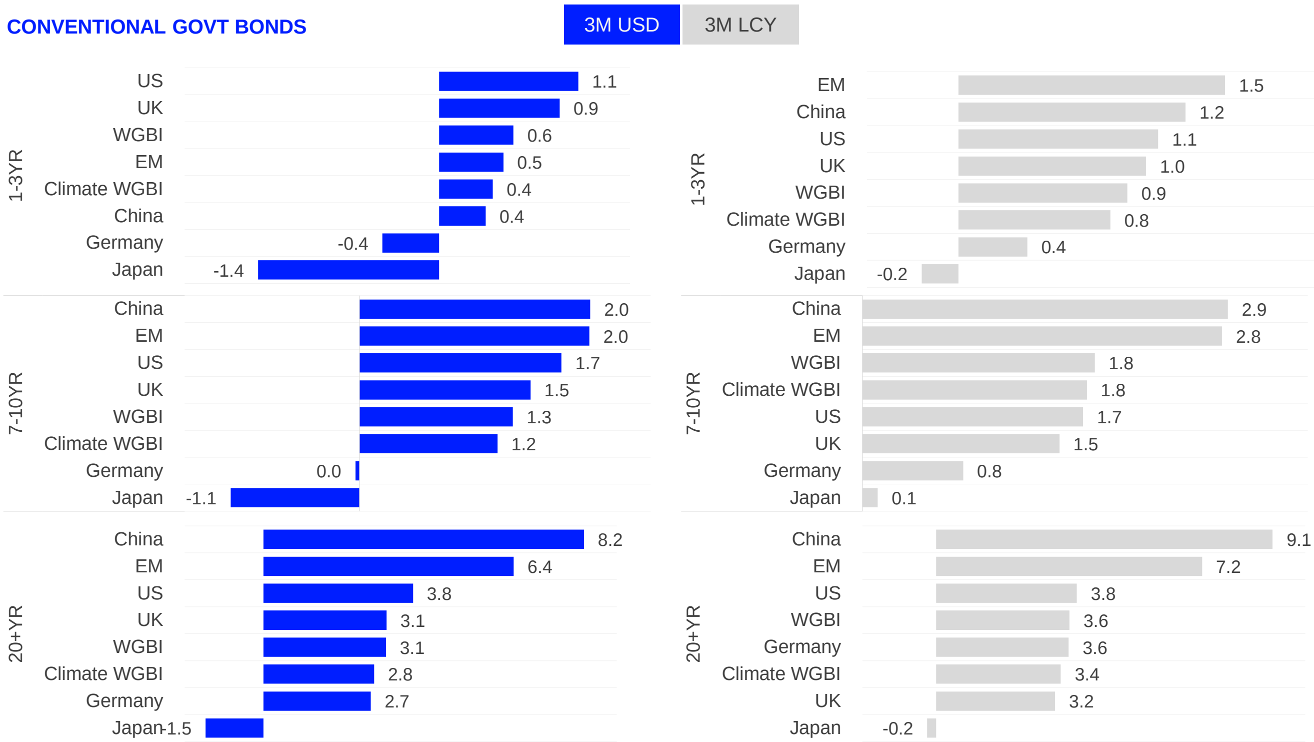
Global Sovereign Bond Returns − 3M and 12M % (USD & LC, TR)

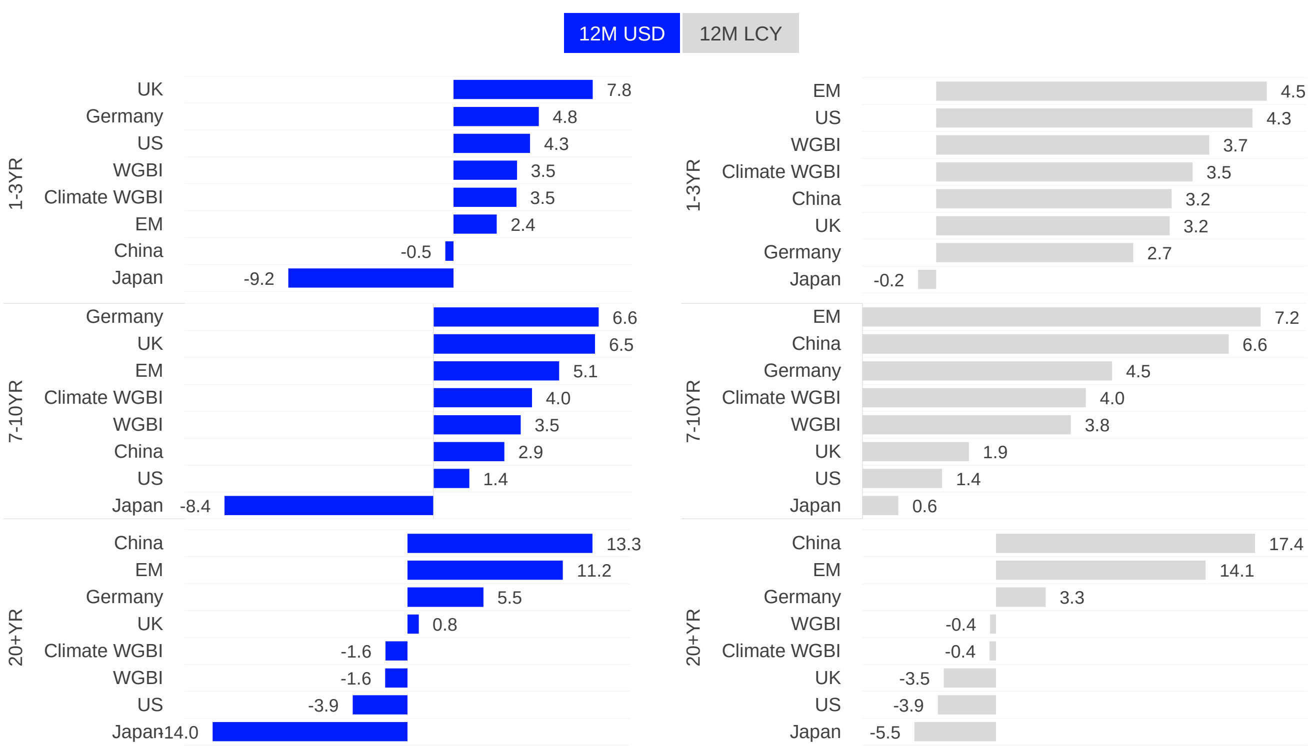
Conventional govt. bonds still show gains on 3M, but only China and EM show sizeable returns, of 6-8%, in US dollars. The Q1 back-up in yields erased most of Q4's gains in G7 markets, as caution about central bank easing prevailed. On 12M, yen weakness dominates JGB returns, with losses of 9-14%. Long gilt losses were reduced by sterling's advance.

EM and China bonds again proved safe havens during Q1, with PBoC easing in contrast to Fed and G7 caution on policy. However, G7 markets show positive returns, excluding Japan, due to yen weakness, as the BoJ retains QE and curve control.

Long Treasuries still show losses of 4% on 12M, reflecting some normalization in the curve, with shorter maturities outperforming. Long gilts also lost 4% in local currency terms, as pension fund demand has receded, but sterling gains offset these losses.

CONVENTIONAL GOVT BONDS





Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Global Inflation-Linked Bond Returns − 3M & 12M % (USD, LC, TR)

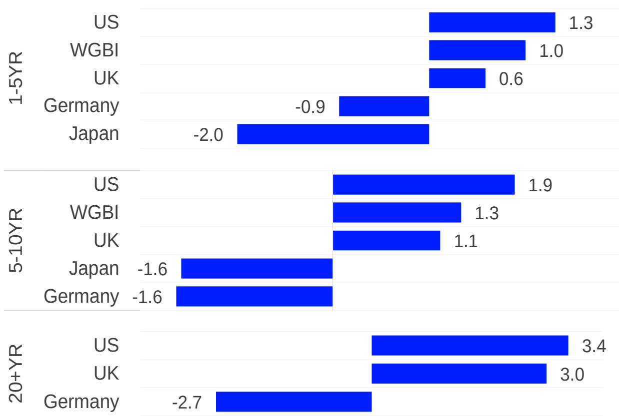
Inflation linked bond returns show the same narrative as conventionals, with the Q4 rally reversing in Q1, and some 3M outright losses. Long Bund linkers lost 2% in USD terms, though Tips still show solid gains of 2-4%. Credit remained a strong performer, led by HY, with gains of 2-6% and 4-11% on 3M and 12M. The risk rally helped HY outperform IG credit.

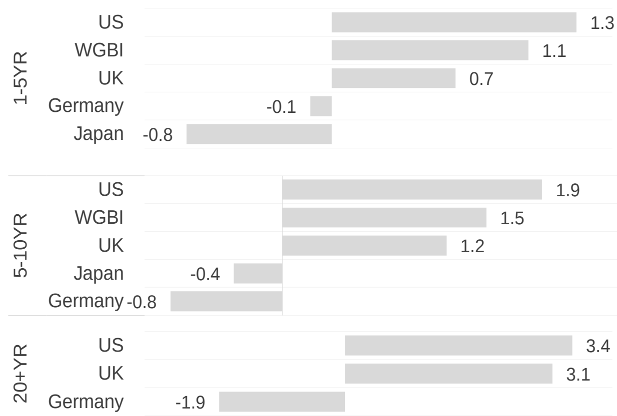
Long linkers fell in February, after stronger US data and central bank caution on easing. Data showing a UK recession failed to boost early base rate cut hopes, with long linkers and Tips both down 7% on 12M in USD. JGB linkers fell 6-9% on the weak yen.

Credit outperformed again in Q1. Euro HY has rallied strongly from depressed valuations after the Ukraine and energy shocks.

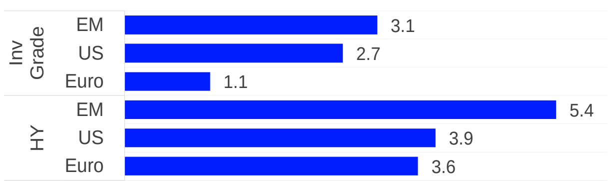
INFLATION LINKED BONDS

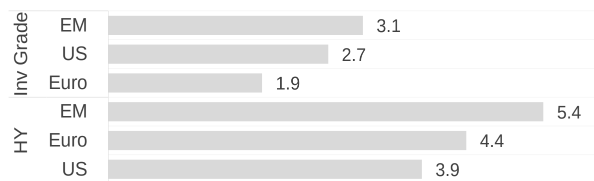
3M USD | 3M LCY





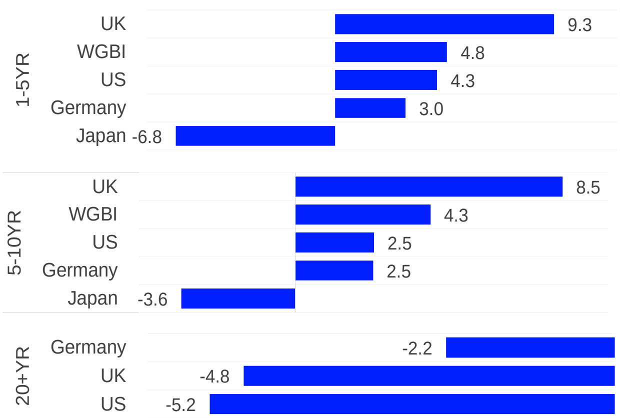
CORPORATE BONDS

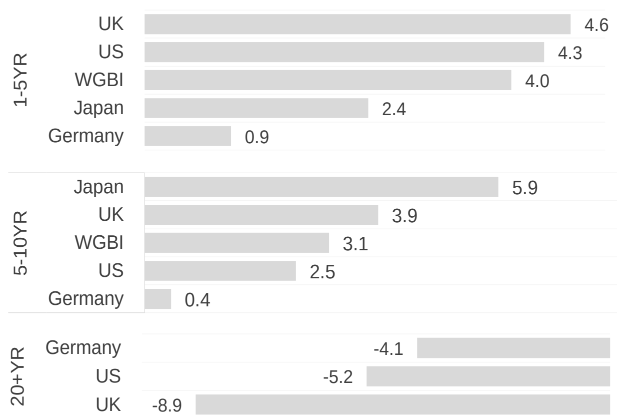




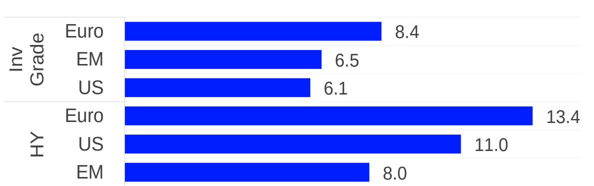
INFLATION LINKED BONDS

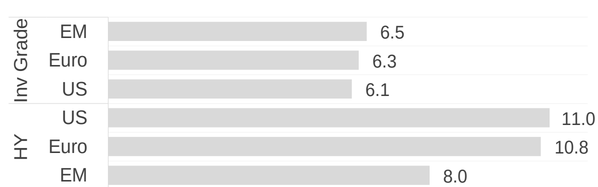
12M USD | 12M LCY





CORPORATE BONDS





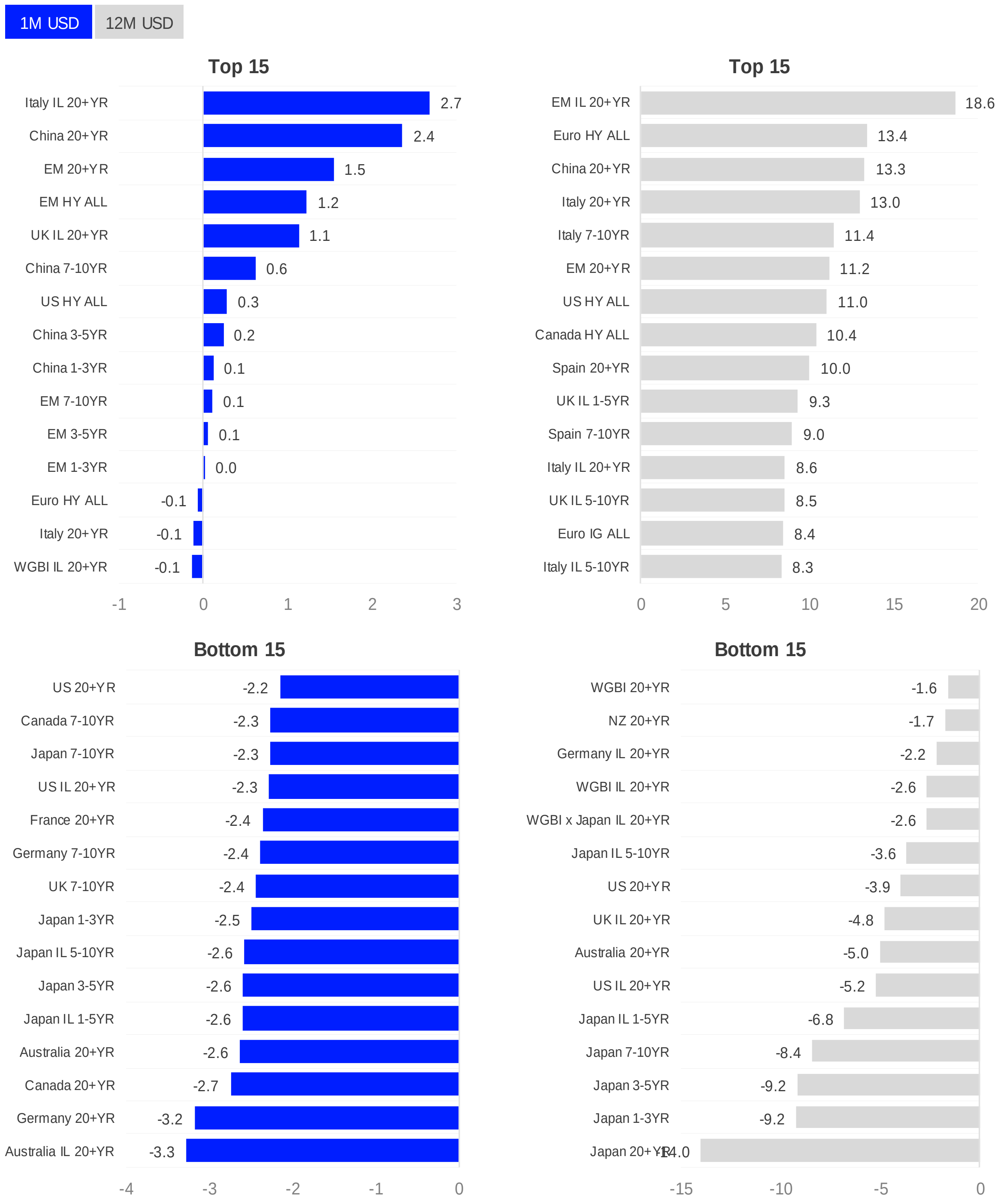
Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Top and Bottom Bond Returns − 1M & 12M % (USD, TR)

1M returns show few markets managed positive returns in dollar terms, apart from Italian linkers, China, EM and credit, which again showed safe haven status. Long-dated bonds fell 3-4%, on 3M, led by Australia, Bunds, US Tips, and JGBs, which suffered sizeable 12M losses in USD, on yen weakness. EM, Euro credit and China were the strongest 12M performers.

Few markets managed to rally in February, apart from China and EM, though Euro HY, NZ and Italian bonds all made tiny gains in US dollars. Indeed, these markets were also strongest on 12M, when they showed gains of 10-19%.

Long linkers and govts were also weak on 12M, and apart from JGBs, the Bottom 15 comprise 20 + year maturities only.



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix − Global Bond Market Returns % (USD & LC, TR) – February 29, 2024

Government Bond Returns

Top 15% | Bottom 15%

Green highlight indicates highest 15%, red indicates lowest 15%

		3M		6M		YTD		12M	
		Local	USD	Local	USD	Local	USD	Local	USD
US	1-3YR	1.09	1.09	2.46	2.46	-0.05	-0.05	4.28	4.28
	7-10YR	1.73	1.73	1.04	1.04	-2.17	-2.17	1.44	1.44
	20+YR	3.81	3.81	-0.62	-0.62	-4.81	-4.81	-3.93	-3.93
	IG All	2.71	2.71	4.00	4.00	-1.51	-1.51	6.10	6.10
	HY All	3.87	3.87	6.02	6.02	0.31	0.31	11.05	11.05
UK	1-3YR	1.03	0.95	2.86	2.68	-0.44	-1.20	3.16	7.79
	7-10YR	1.55	1.47	4.24	4.06	-3.55	-4.29	1.92	6.50
	20+YR	3.22	3.14	3.00	2.82	-6.82	-7.54	-3.52	0.81
EUR	IG All	1.90	1.06	3.80	3.50	-0.83	-2.85	6.27	8.44
	HY All	4.42	3.65	7.73	7.43	1.38	-0.55	10.83	13.41
Japan	1-3YR	-0.20	-1.42	-0.18	-2.90	-0.21	-6.00	-0.25	-9.21
	7-10YR	0.12	-1.11	0.14	-2.59	-0.42	-6.20	0.65	-8.40
	20+YR	-0.25	-1.47	-1.69	-4.37	-1.13	-6.87	-5.50	-14.00
China	1-3YR	1.24	0.36	1.31	2.68	0.70	-0.71	3.19	-0.45
	7-10YR	2.87	1.98	2.97	4.35	1.91	0.48	6.61	2.85
	20+YR	9.11	8.17	8.21	9.67	6.48	4.98	17.44	13.30
EM	1-3YR	1.46	0.50	1.94	2.51	0.79	-0.98	4.48	2.42
	7-10YR	2.83	1.97	3.13	3.21	1.00	-0.85	7.19	5.06
	20+YR	7.20	6.38	6.79	7.39	4.71	2.86	14.12	11.17
	IG All	3.14	3.14	4.47	4.47	-0.07	-0.07	6.47	6.47
	HY All	5.37	5.37	7.87	7.87	2.69	2.69	8.04	8.04
Germany	1-3YR	0.38	-0.45	1.24	0.94	-0.56	-2.59	2.67	4.76
	7-10YR	0.79	-0.04	1.55	1.25	-2.55	-4.53	4.51	6.64
	20+YR	3.59	2.74	1.84	1.54	-5.32	-7.25	3.35	5.46
Italy	1-3YR	0.76	-0.07	1.98	1.67	-0.28	-2.31	3.99	6.11
	7-10YR	3.48	2.63	4.21	3.90	-0.50	-2.52	9.22	11.45
	20+YR	7.50	6.62	5.74	5.42	-0.02	-2.06	10.72	12.98
Spain	1-3YR	0.76	-0.06	1.78	1.48	-0.27	-2.30	3.29	5.40
	7-10YR	2.44	1.60	3.53	3.22	-1.47	-3.48	6.80	8.98
	20+YR	6.09	5.22	5.58	5.27	-2.43	-4.41	7.83	10.03
France	1-3YR	0.55	-0.28	1.50	1.20	-0.63	-2.65	2.95	5.05
	7-10YR	1.55	0.72	2.32	2.02	-2.23	-4.22	5.13	7.27
	20+YR	5.31	4.44	4.06	3.76	-4.32	-6.27	6.07	8.24
Sweden	1-3YR	0.77	2.05	1.85	7.79	-0.45	-3.05	3.06	3.86
	7-10YR	1.93	3.22	3.71	9.75	-3.10	-5.63	4.20	5.02
Australia	1-3YR	1.57	-0.25	2.08	2.63	0.44	-4.15	3.29	-0.26
	7-10YR	3.24	1.39	1.45	2.00	-0.64	-5.18	2.28	-1.24
	20+YR	4.83	2.95	0.33	0.87	-2.72	-7.17	-1.63	-5.02
NZ	1-3YR	1.35	-0.03	3.08	5.47	0.22	-3.57	4.23	2.49
	7-10YR	2.71	1.31	4.00	6.41	-1.98	-5.68	3.91	2.18
Canada	1-3YR	0.93	0.89	2.79	2.53	-0.27	-3.05	3.40	3.79
	7-10YR	1.40	1.36	2.62	2.36	-2.21	-4.93	2.24	2.63
	20+YR	0.92	0.88	1.86	1.61	-5.71	-8.33	-0.19	0.19

Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix − Global Bond Market Returns % (USD & LC, TR) – February 29, 2024

Inflation-Linked Bond Returns

Top 15% | Bottom 15%

Green highlight indicates highest 15%, red indicates lowest 15%

		3M		6M		YTD		12M	
		Local	USD	Local	USD	Local	USD	Local	USD
US	1-5YR	1.31	1.31	2.55	2.55	0.04	0.04	4.34	4.34
	5-10YR	1.89	1.89	1.79	1.79	-1.21	-1.21	2.51	2.51
	20+YR	3.40	3.40	-0.98	-0.98	-3.35	-3.35	-5.20	-5.20
UK	1-5YR	0.66	0.58	2.88	2.70	-1.56	-2.32	4.63	9.32
	5-10YR	1.19	1.11	2.62	2.44	-2.53	-3.29	3.88	8.54
	20+YR	3.11	3.02	-1.60	-1.77	-7.31	-8.02	-8.85	-4.76
EUxUK	1-5YR	-0.12	-0.93	-0.39	-0.69	-0.84	-2.86	0.94	3.00
	5-10YR	-0.81	-1.63	-1.47	-1.76	-2.18	-4.17	0.44	2.49
	20+YR	-1.89	-2.69	-4.75	-5.03	-4.58	-6.53	-4.12	-2.16
Japan	1-5YR	-0.78	-1.99	0.54	-2.21	-0.23	-6.03	2.43	-6.78
	5-10YR	-0.35	-1.57	1.77	-1.00	0.06	-5.75	5.88	-3.64
EM	1-5YR	3.27	1.79	3.34	0.48	1.55	-1.19	8.96	5.60
	5-10YR	2.86	1.58	4.02	0.99	0.29	-2.73	8.89	7.16
	20+YR	3.06	2.54	3.94	2.67	-2.02	-4.35	13.99	18.63
Germany	1-5YR	-0.12	-0.93	-0.39	-0.69	-0.84	-2.86	0.94	3.00
	5-10YR	-0.81	-1.63	-1.47	-1.76	-2.18	-4.17	0.44	2.49
	20+YR	-1.89	-2.69	-4.75	-5.03	-4.58	-6.53	-4.12	-2.16
Italy	1-5YR	0.96	0.13	1.80	1.50	-0.43	-2.45	4.01	6.13
	5-10YR	2.74	1.90	1.90	1.60	-0.19	-2.23	6.16	8.32
	20+YR	8.79	7.89	1.98	1.68	1.11	-0.95	6.38	8.55
Spain	1-5YR	0.14	-0.68	0.39	0.09	-0.87	-2.89	1.70	3.78
	5-10YR	1.12	0.29	0.83	0.54	-0.98	-3.00	3.14	5.24
France	1-5YR	0.22	-0.61	0.01	-0.29	-0.85	-2.87	1.31	3.37
	5-10YR	0.37	-0.45	-0.57	-0.87	-1.79	-3.79	1.53	3.60
	20+YR	3.98	3.13	-1.20	-1.49	-4.04	-6.00	0.90	2.96
Sweden	1-5YR	0.40	1.68	1.52	7.43	-0.58	-3.17	2.49	3.29
	5-10YR	0.88	2.16	1.90	7.83	-2.63	-5.16	2.12	2.92
Australia	1-5YR	1.70	-0.12	2.33	2.88	0.06	-4.51	5.07	1.45
	5-10YR	3.57	1.71	2.40	2.96	-0.82	-5.35	5.44	1.81
	20+YR	8.00	6.07	1.35	1.89	-5.73	-10.04	4.31	0.72
NZ	5-10YR	3.16	1.76	4.96	7.39	-0.39	-4.15	6.10	4.33
	20+YR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Canada	20+YR	0.25	0.21	3.04	2.79	-3.36	-6.05	-0.70	-0.33

Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix − Historical Bond Yields % as of February 29, 2024

Global Bond Yields

Top 15% | Bottom 15%

Green highlight indicates highest 15%, red indicates lowest 15%

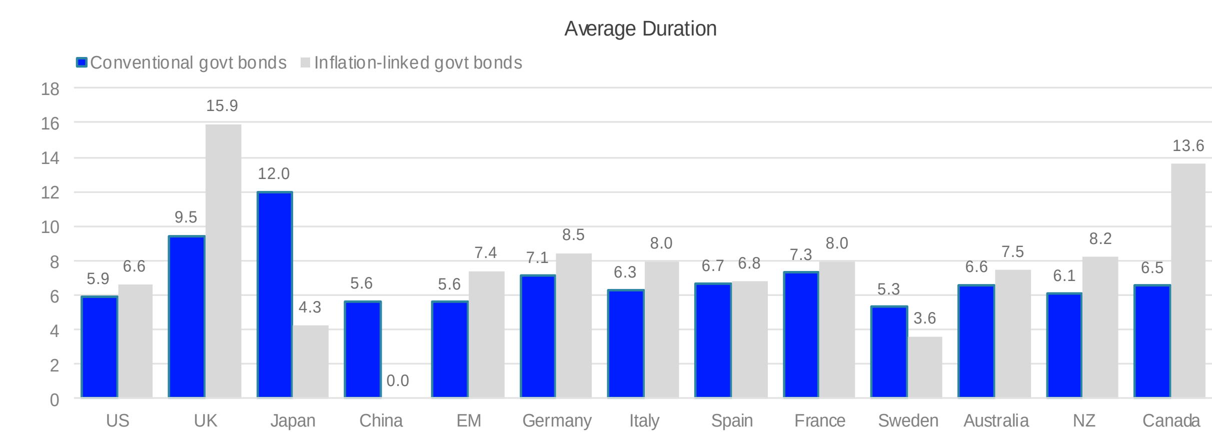
		Conventional government bonds				Inflation-linked bonds			Inv Grade	High Yld
		1-3YR	3-5YR	7-10YR	20+YR	1-5YR	5-10YR	20+YR	All Mat	All Mat
US	Current	4.73	4.34	4.26	4.46	1.99	1.88	2.12	5.44	8.09
	3M Ago	4.82	4.39	4.35	4.63	2.57	2.14	2.27	5.64	8.47
	6M Ago	4.99	4.39	4.12	4.32	2.50	1.94	2.01	5.65	8.41
	12M Ago	4.90	4.34	3.93	4.01	1.82	1.57	1.65	5.55	8.60
UK	Current	4.48	4.10	4.03	4.49	0.53	0.40	1.21		
	3M Ago	4.52	4.16	4.11	4.61	0.62	0.53	1.30		
	6M Ago	4.91	4.63	4.31	4.53	1.11	0.67	1.12		
	12M Ago	3.95	3.80	3.75	4.13	0.13	0.00	0.74		
Japan	Current	0.13	0.28	0.59	1.66	-1.51	-0.81			
	3M Ago	0.00	0.17	0.57	1.63	-2.08	-0.94			
	6M Ago	-0.02	0.14	0.53	1.55	-1.82	-0.76			
	12M Ago	-0.04	0.09	0.46	1.38	-1.29	-0.43			
China	Current	1.99	2.16	2.38	2.57					
	3M Ago	2.37	2.47	2.66	3.02					
	6M Ago	2.06	2.28	2.59	2.93					
	12M Ago	2.38	2.58	2.84	3.26					
EM	Current	3.29	3.90	4.56	4.03	4.69	4.53	5.24	5.73	9.12
	3M Ago	3.66	4.22	4.76	4.46	4.42	4.45	5.10	6.08	10.41
	6M Ago	3.50	4.22	4.80	4.34	2.84	4.28	5.01	6.14	11.41
	12M Ago	3.71	4.37	4.72	4.50	2.12	3.49	5.25	5.95	10.85
Germany	Current	3.02	2.50	2.34	2.53	1.20	0.42	0.35		
	3M Ago	2.86	2.41	2.37	2.67	1.16	0.34	0.28		
	6M Ago	3.03	2.53	2.38	2.55	0.64	0.13	0.11		
	12M Ago	3.09	2.30	2.22	2.32	-0.04	-0.09	-0.10		
Italy	Current	3.35	3.25	3.61	4.22	1.31	1.63	1.84		
	3M Ago	3.39	3.40	3.93	4.59	1.60	1.97	2.15		
	6M Ago	3.56	3.53	3.87	4.41	1.37	1.72	1.86		
	12M Ago	3.65	3.39	3.86	4.29	0.39	1.45	1.72		
France	Current	3.05	2.74	2.78	3.24	0.80	0.57	0.79		
	3M Ago	3.01	2.73	2.87	3.46	0.84	0.63	0.95		
	6M Ago	3.09	2.85	2.87	3.36	0.48	0.37	0.71		
	12M Ago	3.18	2.49	2.58	3.08	-0.29	0.04	0.48		
Sweden	Current	3.03	2.58	2.46		1.62	1.04			
	3M Ago	3.27	2.70	2.61		1.30	1.12			
	6M Ago	3.43	3.00	2.75		1.33	1.14			
	12M Ago	3.18	2.61	2.35		0.25	0.45			
Australia	Current	3.81	3.73	4.09	4.51	1.15	1.51	1.91		
	3M Ago	4.15	4.04	4.36	4.73	1.28	1.81	2.19		
	6M Ago	3.85	3.75	3.99	4.42	0.97	1.43	1.84		
	12M Ago	3.66	3.21	3.48	4.01	0.20	0.98	1.58		
NZ	Current	5.05	4.61	4.68	4.96	1.89	2.41			
	3M Ago	5.07	4.78	4.89	5.09	1.91	2.59			
	6M Ago	5.30	4.96	4.89	5.07	2.15	2.58			
	12M Ago	5.06	4.23	4.14	4.29	0.99	1.66			
Canada	Current	4.10		3.51	3.40			1.73	4.98	6.94
	3M Ago	4.08		3.58	3.43			1.76	5.29	7.73
	6M Ago	4.50		3.65	3.44			1.88	5.55	7.70
	12M Ago	4.04		3.35	3.26			1.34	5.16	7.19

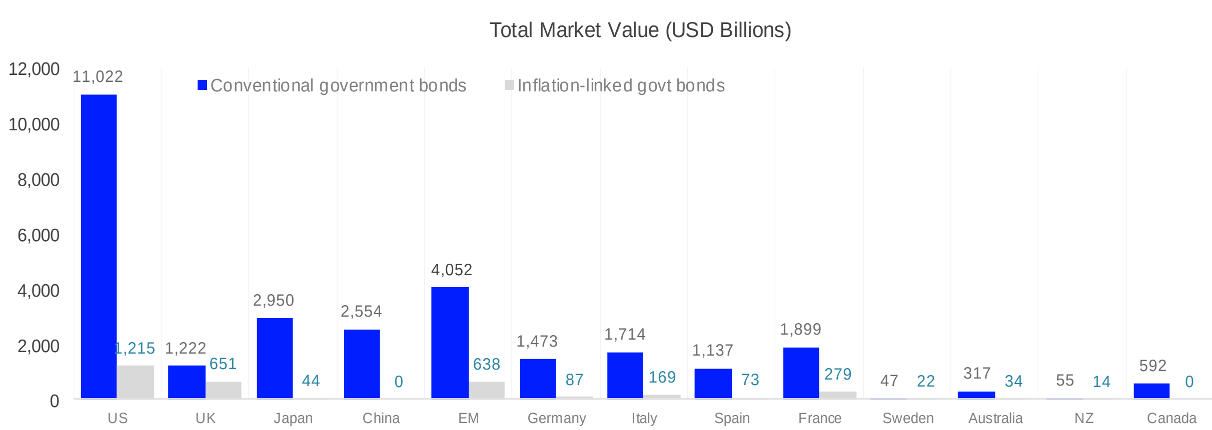
Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix − Duration and Market Value (USD, Bn) as of February 29, 2024

	Conventional government bonds								Inflation-linked government bonds					
	Duration				Market Value				Duration			Market Value		
	3-5YR	7-10YR	20+YR	Overall	3-5YR	7-10YR	20+YR	Total	5-10YR	20+YR	Overall	5-10YR	20+YR	Total
US	3.7	7.2	16.8	**5.9**	2,555.0	1,143.8	1,305.4	**11,021.7**	7.1	21.0	**6.6**	393.4	121.8	**1214.6**
UK	3.7	7.6	18.5	**9.5**	129.5	157.0	308.4	**1,221.9**	6.8	26.9	**15.9**	113.3	246.5	**650.7**
Japan	3.9	8.1	23.6	**12.0**	349.9	356.9	632.1	**2,949.7**	7.0		**4.3**	18.6		**44.1**
China	3.7	7.6	17.9	**5.6**	556.3	390.2	298.6	**2,553.9**						
EM	3.6	7.0	16.2	**5.6**	836.09	715.83	401.38	**4,052.4**	6.1	13.6	**7.4**	102.5	163.3	**638.1**
Germany	3.7	7.7	20.4	**7.1**	345.22	202.20	174.81	**1,472.9**	6.8	21.3	**8.5**	43.4	18.3	**87.0**
Italy	3.6	7.1	16.3	**6.3**	289.93	284.94	159.69	**1,713.9**	7.3	25.9	**8.0**	62.5	5.6	**169.2**
Spain	3.6	7.5	17.8	**6.7**	211.13	197.60	104.52	**1,137.2**	7.8		**6.8**	47.4		**73.0**
France	3.7	7.4	19.7	**7.3**	325.43	303.71	240.58	**1,898.8**	6.2	24.1	**8.0**	108.6	21.1	**278.9**
Sweden	4.0	7.7		**5.3**	6.77	14.03		**47.4**	6.7		**3.6**	5.4		**22.0**
Australia	3.6	7.5	16.9	**6.6**	46.67	90.69	20.15	**316.5**	6.7	22.1	**7.5**	10.1	2.7	**34.0**
NZ	3.4	7.2	16.7	**6.1**	10.91	15.57	2.72	**55.5**	5.9		**8.2**	3.2		**14.0**
Canada		6.7	17.0	**6.5**		219.47	106.74	**591.7**		13.6	**13.6**		65.4	

	Investment grade bonds										High Yield	
	Duration					Market Value					Duration	MktVal
	AAA	AA	A	BBB	Overall	AAA	AA	A	BBB	Overall		
US	10.4	8.3	7.1	6.5	**6.9**	73.9	445.3	2,713.7	3,434.1	**6,667.1**	3.8	1,189.0
Euro	5.5	4.7	4.6	4.2	**4.4**	10.8	201.4	1,238.2	1,523.6	**2,974.0**	2.9	420.4
EM		5.8	4.8	5.2	**5.1**		38.52	218.31	304.9	**561.7**	3.4	181.6



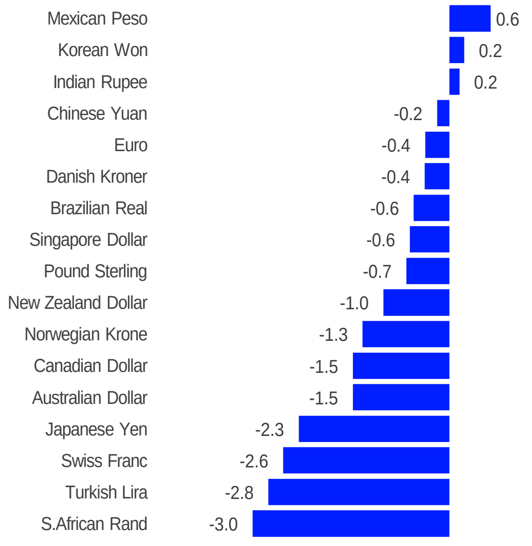


Data as of 2024-02-29

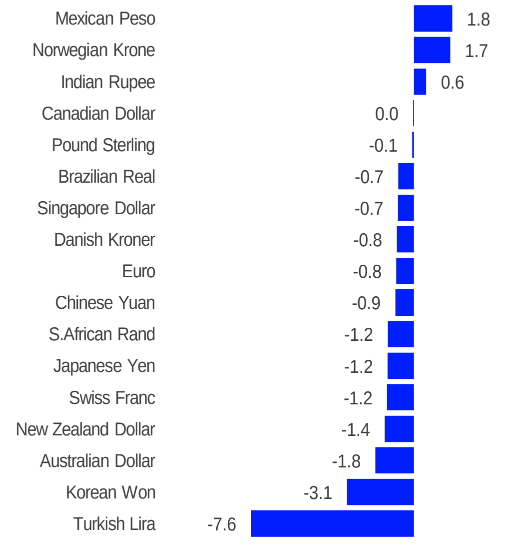
Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix – Foreign Exchange Returns % as of February 29, 2024

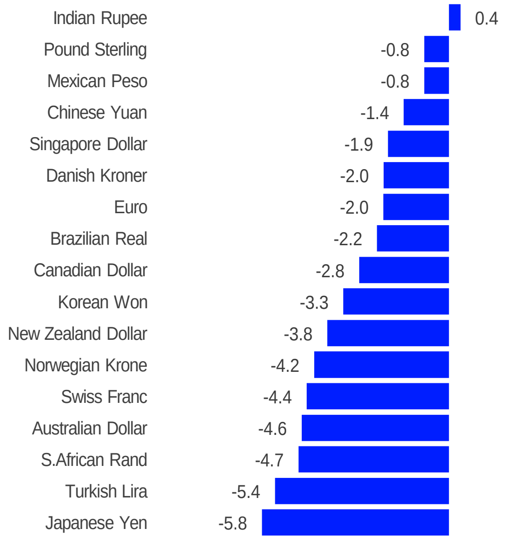
FX Moves vs USD – 1M



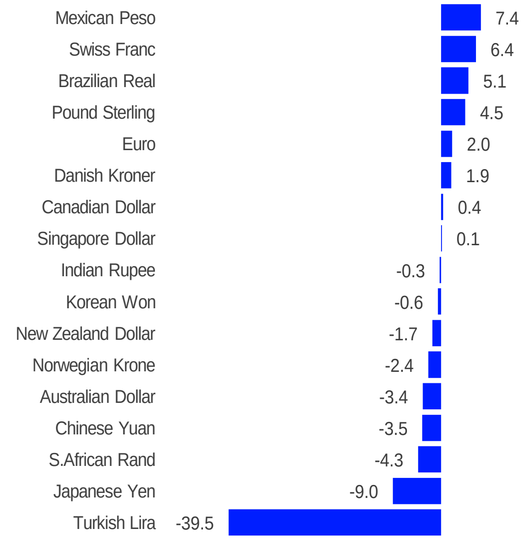
FX Moves vs USD – 3M



FX Moves vs USD – YTD



FX Moves vs USD – 12M



Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

Appendix - Glossary

Bond markets are based on the following indices:

FTSE World Government Bond Index (WGBI) for all global government bond markets

FTSE World Inflation-Linked Securities Index (WorldILSI) for all global inflation-linked bond markets

FTSE US Broad Investment-Grade Bond Index (USBIG®) for the US corporate bond market

FTSE US High-Yield Market Index for the US high yield bond market

FTSE Euro Broad Investment-Grade Bond Index (EuroBIG®) for the Euro-denominated corporate bond market

FTSE European High-Yield Market Index for the European high yield market

FTSE Chinese Government and Policy Bank Bond Index (CNGPBI) for the Chinese government bond market

FTSE Emerging Markets Inflation-Linked Securities Index (EMILSI) for the emerging markets inflation-linked bond market

FTSE Emerging Markets Government Bond Index (EMGBI) for the emerging markets government bond market. Please note that over 50% of this index is invested in China

FTSE Emerging Markets Broad Bond Index (EMUSDBBI) for the emerging markets corporate bond market

FTSE ESG World Government Bond Index for the global government bond markets with an ESG tilt

FTSE Climate Risk-Adjusted World Government Bond Index (Climate WGBI) and FTSE Advanced Climate Risk-Adjusted World Government Bond Index (Advanced Climate WGBI) for each country's relative exposure to climate risk, with respect to resilience and preparedness to the risks of climate change

List of Abbreviations used in charts:

IL = Inflation-linked bonds

IG = Investment-grade bonds

HY = High-yield bonds

BPS = Basis points

EM = Emerging market

LC = Local currency

Source: FTSE Russell and LSEG. All data as of February 29, 2024. Past performance is no guarantee of future results. Please see the end for important legal disclosures. Bond market data is derived from FTSE Fixed Income Indices. See Appendix Glossary for list of indices used for each market. For professional investors only.

ABOUT FTSE RUSSELL
FTSE Russell is a leading global provider of index and benchmark solutions, spanning diverse asset classes and investment objectives. As a trusted investment partner we help investors make better-informed investment decisions, manage risk, and seize opportunities.

Market participants look to us for our expertise in developing and managing global index solutions across asset classes. Asset owners, asset managers, ETF providers and investment banks choose FTSE Russell solutions to benchmark their investment performance and create investment funds, ETFs, structured products, and index-based derivatives. Our clients use our solutions for asset allocation, investment strategy analysis and risk management, and value us for our robust governance process and operational integrity.

For over 35 years we have been at the forefront of driving change for the investor, always innovating to shape the next generation of benchmarks and investment solutions that open up new opportunities for the global investment community.

CONTACT US
To learn more, visit lseg.com/ftse-russell; email info@ftserussell.com; or call your regional Client Service team office:
EMEA +44 (0) 20 7866 1810
North America +1 877 503 6437
Asia-Pacific
Hong Kong +852 2164 3333
Tokyo +81 3 6441 1430
Sydney +61 (0) 2 7228 5659