

# **Applied philosophy**

Are US corporate investment grade spreads unusually tight?

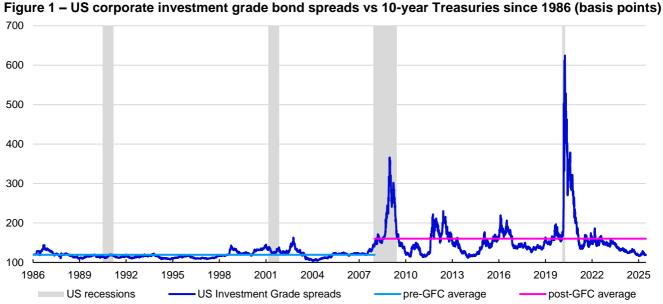
Corporate investment grade bonds in the United States are not necessarily the most exciting assets at this moment, but perhaps that is just as well (we are Neutral within our Model Asset Allocation). I generally view them as a defensive asset, thus I think that is a positive, not a negative. Nevertheless, despite some concerns over US economic growth, spreads have remained tight. Should investors be worried about that?

In a year dominated by the ins and outs of the tariff policy of the United States (US), we received a reminder in the last week that geopolitical risk has not diminished. After Israel attacked facilities in Iran linked to its nuclear programme, and Iran retaliated, financial markets reacted broadly as I would have expected with risk assets declining, while energy commodities and precious metals rallied on 13 June 2025. At the same time, fixed income assets were also slightly down on the day, apart from Chinese and Japanese government and corporate investment grade (in local currency terms). The situation has stabilised somewhat, though still feels fragile to me.

One of my concerns is that inflation may increase once again despite the lower-than-expected reading of US consumer price inflation (CPI) on 11 June 2025. The US has been perhaps the most prominent example of fixed income yields being pushed by opposing forces with concerns about the sustainability of their fiscal situation pulling yields higher, while worries about a potential economic slowdown have pushed them lower. This has resulted in the unusual situation where US government bonds have outperformed IG year-to-date despite macroeconomic indicators holding up (**Figure 3**), which may partly explain why spreads between yields on the two assets have remained close to cyclical tights (**Figure 1**). Should we be concerned about spreads widening significantly if the US economy slows as higher tariffs make their impact?

I have argued previously that the economic outlook we are facing may resemble the 1990s more than the 1980s or the 2010s (see <u>here</u>).I am not expecting similar GDP growth rates, but I think that US CPI inflation will remain within the "comfort zone" of the US Federal Reserve (Fed) even with the potential impact of higher tariffs. If policy uncertainty does not result in a deep recession, I think it is not unreasonable to expect the US economy to have similarly stable growth and interest rates during this cycle.

Even if we broaden our scope to the whole pre-Global Financial Crisis (GFC) era from 1 January 1986 (when our IG data starts) to 31 December 2007, the current spread of 119 basis points (bps) matches the full-period average (using the redemption yield on the Intercontinental Exchange (ICE) Bank of America (BofA) US Corporate Index minus the yield on the Datastream US Benchmark 10-year Government Bond Index, as of 20 June 2025). During that period, spreads only went above 150bps once – during the bursting of the "tech bubble" in 2002. Thus, current spreads look unusually low in the post-GFC era partly because we got used to 10-year Treasury yields being suppressed by Quantitative Easing (QE).



Notes: Data as of 20 June 2025. **Past performance is no guarantee of future results.** Shaded areas recessions as defined by the National Bureau of Economic Research. We calculate spreads using the difference between redemption yields on the ICE Bank of America US Corporate Index and the Datastream US Benchmark 10-year Government Bond Index. We show daily data from 1 January 1986. Source: LSEG Datastream and Invesco Global Market Strategy Office



Nevertheless, I think there is more scope for spreads to widen than to tighten from this point (the low since January 1986 was 104bps). Although, even if we encountered a recession or a market shock, there is no obvious template we could follow to determine the magnitude of such moves. These could range from topping out at 120bps during the 1990 recession, through 220-230bps during the Eurozone crisis and the 2016 slowdown to 366bps during the GFC and 624bps during COVID. Assuming any economic slowdown driven by tariff-related uncertainty will be contained, either by offsetting fiscal easing (mostly tax cuts), or by the Fed cutting rates (if they look through a likely increase in inflation). I think spreads could remain near current levels, while vields are likely to fall consistent with the shallow recessions in 1990 and 2001.

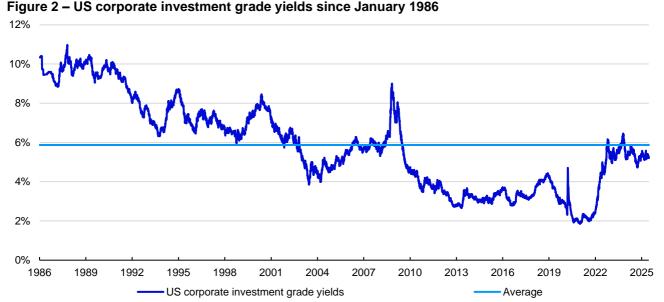
The bigger concern, in my opinion is government bond yields rising from current levels, especially after falling following the intensification of the conflict between Israel and Iran (higher oil prices tend to pass through to headline US inflation quickly). I expect tariffs to be inflationary, as well, and therefore rates may stay near current levels in the near term. We may be over "peak tariffs", but they are already higher than before 2025. At the same time, if high deficits persist, the fiscal situation could remain a source of upward pressure on Treasury yields. Indeed, this may lead to a perception, in my view, that the difference in the creditworthiness of the US government and corporate borrowers is narrower than in the past.

What is the most probable outlook for US corporate IG as an asset class? First of all, I assume that year-on-

year US real GDP growth will recover towards its trend rate after a brief slowdown perhaps in H2 2025, so could be 1.5%-2% on average in the next 12 months and that CPI inflation will be close to the Fed's target of 2%. This implies nominal GDP growth of around 3.5%-4%, which could allow the Fed to cut its target rate by around 100bps broadly in line with expectations implied by rate futures by mid-2026 (as of 20 June 2025). Over the medium term, assuming that spreads between 10year Treasury yields and the Fed's target rate will remain at a post-1980 average of around 100-120bps, this would suggest Treasury yields of around 4.5%, only slightly above the current 4.38% (as of 20 June 2025).

Without any significant change in spreads versus Treasuries, this implies slightly negative capital returns for US IG as yields would rise towards historical averages from the current 5.22% as shown in **Figure 2** (as of 20 June 2025). This is consistent with our Neutral allocation in our most recent model asset allocation alongside other US fixed income assets (see here for the full detail).

Thus, I think there are better opportunities within the fixed income universe, especially in Emerging Markets (excluding China) both in government and corporate bonds where spreads look more attractive, and yields are higher in most markets. At the same time, if US dollar weakness persists, central banks in these markets could ease monetary policy without worrying about currency weakness, which could further boost potential EM returns.



Notes: Data as of 20 June 2025. **Past performance is no guarantee of future results.** We use daily data since 1 January 1986 showing the redemption yield on the Intercontinental Exchange Bank of America US Corporate Index. Source: LSEG Datastream and Invesco Global Market Strategy Office



Figure 3 – Asset class total returns (%)												
Data as at 20 Jun 2025		Current					Total F	Return (	Local C	urrency	, %)	
	Index	Level/RY	1w	1m	QTD	YTD	12m	1w	1m	QTD	YTD	12m
Equities												
World	MSCI	886	-0.4	0.7	7.7	6.4	12.3	-0.2	0.3	6.1	3.9	10.5
Emerging Markets	MSCI	1190	0.0	2.3	9.0	12.3	11.9	0.1	1.8	5.8	8.7	10.4
China	MSCI	73	-1.3	-1.1	0.2	15.2	27.1	-1.3	-0.9	0.7	15.9	27.5
US	MSCI	5704	-0.1	0.6	7.0	2.2	11.1	-0.1	0.6	7.0	2.2	11.1
Europe	MSCI	2352	-1.8	-0.8	8.8	20.3	14.2	-1.3	-2.4	2.5	9.1	6.5
Europe ex-UK	MSCI	2910	-1.8	-1.2	9.3	21.2	13.6	-1.4	-3.0	2.5	9.0	5.6
UK	MSCI	1400	-1.6	0.8	7.1	17.5	16.3	-0.8	0.1	2.7	9.3	9.6
Japan	MSCI	4165	-0.8	-0.2	6.7	7.2	11.7	0.4	0.7	4.1	-0.5	2.7
Government Bonds												
World	BofA-ML	3.29	-0.2	1.4	3.0	6.0	6.1	0.1	0.9	0.5	1.2	2.3
Emerging Markets	BBloom	6.82	0.0	1.5	2.5	5.3	11.6	0.0	1.5	2.5	5.3	11.6
China	BofA-ML	1.56	0.2	1.0	2.8	2.6	7.3	0.2	0.5	1.8	1.0	6.1
US (10y)	Datastream	4.37	0.2	1.2	-0.3	3.7	3.4	0.3	1.2	-0.3	3.7	3.4
Europe	Bofa-ML	2.71	-0.2	2.8	8.6	12.0	11.7	0.0	0.6	1.9	0.7	4.0
Europe ex-UK (EMU, 10y)	Datastream	2.71	0.0	3.2	9.0	11.2	9.3	0.0	1.0	2.3	0.0	1.8
				3.z 2.4					1.0	2.3	2.6	
UK (10y)	Datastream	4.54	-0.6		6.6	10.3	7.2	0.2				1.0
Japan (10y)	Datastream	1.40	-1.1	0.2	3.8	5.8	6.7	0.1	1.2	1.3	-1.7	-1.9
IG Corporate Bonds	D (A 14	4.50		4.0	• •						~ ~	- 4
Global	BofA-ML	4.58	0.0	1.8	3.0	6.0	7.7	0.2	1.1	0.9	2.6	5.4
Emerging Markets	BBloom	6.59	0.2	1.6	0.9	5.0	10.1	0.2	1.6	0.9	5.0	10.1
China	BofA-ML	2.27	0.1	1.0	2.3	2.7	5.6	0.1	0.5	1.4	1.1	4.5
US	BofA-ML	5.22	0.2	1.3	0.7	3.0	5.2	0.2	1.3	0.7	3.0	5.2
Europe	BofA-ML	3.16	-0.2	2.8	8.3	13.1	13.8	0.0	0.6	1.6	1.7	6.0
UK	BofA-ML	5.41	-0.8	2.3	6.8	10.7	11.2	0.1	1.6	2.4	3.0	4.7
Japan	BofA-ML	1.41	-1.1	-0.6	3.1	7.4	8.3	0.1	0.3	0.6	-0.3	-0.4
HY Corporate Bonds												
Global	BofA-ML	7.33	0.1	1.3	3.5	5.5	10.5	0.2	0.9	2.1	3.3	8.9
US	BofA-ML	7.59	0.3	1.0	2.5	3.4	9.2	0.3	1.0	2.5	3.4	9.2
Europe	BofA-ML	5.86	-0.3	2.9	8.7	14.1	16.1	-0.1	0.7	1.9	2.6	8.1
Cash (Overnight rates)												
US		4.28	0.1	0.4	1.0	2.1	4.8	0.1	0.4	1.0	2.1	4.8
Euro Area		1.92	-0.2	2.3	7.1	12.6	10.9	0.0	0.2	0.5	1.2	3.0
UK		4.22	-0.8	0.8	5.1	9.8	11.4	0.1	0.4	1.0	2.1	4.8
Japan		0.48	-1.4	-1.0	2.8	7.8	9.1	0.0	0.0	0.1	0.2	0.3
Real Estate (REITs)												
Global	FTSE	1662	0.1	1.3	4.5	6.3	12.4	0.3	-0.8	-1.9	-4.4	4.6
Emerging Markets	FTSE	1217	-1.4	0.6	6.4	5.6	6.1	-1.2	-1.5	-0.2	-5.0	-1.2
US	FTSE	3138	-0.1	-0.3	-0.8	0.2	10.7	-0.1	-0.3	-0.8	0.2	10.7
Europe ex-UK	FTSE	2742	2.6	4.4	19.6	22.6	21.4	2.8	2.1	12.2	10.2	13.0
UK	FTSE	921	0.7	3.9	14.3	20.2	6.5	1.5	3.2	9.6	11.8	0.3
	FTSE	2321	0.7	4.0	9.3	20.2	19.9	1.5	5.2 5.0	9.0 6.7	13.2	
Japan Commodities	FISE	2321	0.3	4.0	9.3	21.9	19.9	1.5	5.0	0.7	13.2	10.2
		2002	2.2	0.0	2.0		<b>C</b> 4					
All	GSCI	3982	2.3	9.3	3.8	8.9	6.4	-	-	-	-	-
Energy	GSCI	703	4.8	18.3	5.3	10.4	4.1	-	-	-	-	-
Industrial Metals	GSCI	1729	0.8	1.8	-0.1	5.0	-1.5	-	-	-	-	-
Precious Metals	GSCI	3707	-1.8	3.1	7.3	26.9	38.9	-	-	-	-	-
Agricultural Goods	GSCI	498	-0.7	-3.1	-2.0	-3.3	-1.4	-	-	-	-	-
Currencies (vs USD)*												
EUR		1.15	-0.3	2.1	6.5	11.3	7.7	-	-	-	-	-
JPY		146.09	-1.4	-1.1	2.6	7.6	8.8	-	-	-	-	-
GBP		1.35	-0.8	0.7	4.3	7.5	6.1	-	-	-	-	-
CHF		1.22	-0.8	1.3	8.2	11.0	9.0	-	-	-	-	-
CNY		7.18	0.0	0.6	1.1	1.7	1.1	-	-	-	-	-
		•					•					

# Figure 3 – Asset class total returns (%)

Notes: \*The currency section is organised so that in all cases the numbers show the movement in the mentioned currency versus USD (+ve indicates appreciation, -ve indicates depreciation). **Past performance is no guarantee of future results.** Please see appendix for definitions, methodology and disclaimers.

Source: LSEG Datastream and Invesco Global Market Strategy Office



# Figure 4 – Global equity sector total returns relative to market (%)

Data as of 20 Jun 2025	Global								
	1w	1m	QTD	YTD	12m				
Energy	0.1	2.5	-7.0	-2.2	-8.5				
Basic Materials	-1.8	0.5	-1.8	4.0	-9.7				
Basic Resources	-2.1	1.3	-1.1	6.9	-8.0				
Chemicals	-1.2	-0.6	-3.0	-0.2	-12.3				
Industrials	-0.4	-1.2	1.1	2.7	2.9				
Construction & Materials	-0.5	-2.7	2.8	4.0	1.8				
Industrial Goods & Services	-0.4	-0.9	0.9	2.5	3.1				
Consumer Discretionary	-0.1	-2.9	0.3	-4.6	1.9				
Automobiles & Parts	-0.7	-6.0	3.5	-14.3	3.3				
Media	1.0	1.5	11.5	12.7	22.5				
Retailers	-0.3	-2.1	-1.2	-4.8	3.4				
Travel & Leisure	0.7	-1.2	-0.9	-5.2	1.4				
Consumer Products & Services	-0.2	-4.5	-2.9	-1.5	-7.8				
Consumer Staples	-0.6	-1.8	-4.5	3.7	-2.6				
Food, Beverage & Tobacco	-0.7	-1.5	-4.3	4.8	-2.2				
Personal Care, Drug & Grocery Stores	-0.5	-2.4	-4.8	1.9	-3.3				
Healthcare	-2.4	-1.1	-10.5	-6.6	-15.0				
Financials	0.9	-0.4	-1.3	6.0	12.0				
Banks	1.1	0.4	0.7	9.4	15.6				
Financial Services	0.9	-1.3	-2.6	0.7	7.5				
Insurance	0.3	-0.8	-4.1	7.4	11.5				
Real Estate	0.5	0.7	-2.2	1.2	2.1				
Technology	0.8	3.1	8.7	-2.5	-1.9				
Telecommunications	0.2	-1.1	-2.8	6.3	9.1				
Utilities	-0.3	-1.0	-1.8	3.6	2.8				

Notes: Returns shown are for Datastream sector indices versus the total market index. **Past performance is no guarantee of future results.** Source: Refinitiv Datastream and Invesco



0		•	,							
Data as of 20 Jun 2025		bsolute			Relative to Market					
	1w	1m	QTD	YTD	12m	1w	1m	QTD	YTD	12m
Growth	-0.6	-1.5	8.3	2.0	4.8	-0.5	-2.1	1.5	-0.1	-5.2
Low volatility	-0.6	-2.8	-3.7	1.5	9.3	-0.5	-3.4	-9.7	-0.6	-1.1
Price momentum	0.9	0.2	6.2	2.8	12.1	1.1	-0.4	-0.4	0.6	1.5
Quality	0.4	-0.7	3.7	3.7	6.4	0.6	-1.3	-2.7	1.5	-3.7
Size	0.3	-2.0	0.5	-1.0	6.3	0.4	-2.6	-5.8	-3.0	-3.8
Value	0.7	-0.2	1.3	4.3	15.3	0.8	-0.8	-5.0	2.2	4.3
Market	-0.1	0.6	6.7	2.1	10.5					
Market - Equal-Weighted	0.2	-0.9	2.7	2.0	9.4					
Price momentum Quality Size Value Market	0.9 0.4 0.3 0.7 -0.1	0.2 -0.7 -2.0 -0.2 0.6	6.2 3.7 0.5 1.3 6.7	2.8 3.7 -1.0 4.3 2.1	12.1 6.4 6.3 15.3 10.5	1.1 0.6 0.4	-0.4 -1.3 -2.6		-0.4 -2.7 -5.8	-0.4 0.6 -2.7 1.5 -5.8 -3.0

### Figure 5a – US factor index total returns (%)

Notes: **Past performance is no guarantee of future results.** All indices are subsets of the S&P 500 index, they are rebalanced monthly, use data in US dollars and are equal-weighted. Growth includes stocks in the top third based on both their 5-year sales per share trend and their internal growth rate (the product of the 5-year average return on equity and the retention ratio); Low volatility includes stocks in the bottom quintile based on the standard deviation of their daily returns in the previous three months; Price momentum includes stocks in the top quintile based on their performance in the previous 12 months; Quality includes stocks in the top third based on both their return on invested capital and their EBIT to EV ratio (earnings before interest and taxes to enterprise value); Size includes stocks in the bottom quintile based on their price to book value ratios. The market represents the S&P 500 index. Source: LSEG Datastream and Invesco Global Market Strategy Office

### Figure 5b – European factor index total returns (%)

Data as of 20 Jun 2025		Absolute				Relative to Market				
	1w	1m	QTD	YTD	12m	1w	1m	QTD	YTD	12m
Growth	-1.8	-3.6	4.1	4.5	2.9	-0.4	-0.7	1.8	-3.6	-3.7
Low volatility	-0.8	-3.1	3.3	12.3	16.8	0.7	-0.3	1.0	3.7	9.3
Price momentum	-0.6	-1.8	7.9	17.2	21.1	0.9	1.1	5.5	8.1	13.3
Quality	-0.7	-1.1	6.5	10.8	8.7	0.8	1.8	4.1	2.3	1.7
Size	-0.7	-1.6	6.9	7.7	5.5	0.8	1.4	4.5	-0.6	-1.2
Value	0.2	-0.7	8.8	17.4	18.9	1.7	2.2	6.3	8.4	11.2
Market	-1.5	-2.9	2.3	8.4	6.9					
Market - Equal-Weighted	-1.0	-2.3	5.1	9.4	9.9					

Notes: **Past performance is no guarantee of future results.** All indices are subsets of the STOXX 600 index, they are rebalanced monthly, use data in euros and are equal-weighted. Growth includes stocks in the top third based on both their 5-year sales per share trend and their internal growth rate (the product of the 5-year average return on equity and the retention ratio); Low volatility includes stocks in the bottom quintile based on the standard deviation of their daily returns in the previous three months; Price momentum includes stocks in the top quintile based on their performance in the previous 12 months; Quality includes stocks in the top third based on both their return on invested capital and their EBIT to EV ratio (earnings before interest and taxes to enterprise value); Size includes stocks in the bottom quintile based on their market value in euros; Value includes stocks in the bottom quintile based on their price to book value ratios. The market represents the STOXX 600 index. Source: LSEG Datastream and Invesco Global Market Strategy Office



### Figure 6 – Model asset allocation

	Neutral	Policy Range	Allo		Position vs Neutral	Hedged Currency
Cash Equivalents	5%	0-10%		0%		
Cash	2.5%			0%		
Gold	2.5%			0%		
Bonds	40%	10-70%	1	40%		
Government	25%	10-40%	1	25%		
US	8%		1	8%		50% JPY
Europe ex-UK (Eurozone)	7%			7%		
UK	1%			2%		
Japan	7%		↑	4%		_
Emerging Markets	2%		'	4%		
China**	0.2%			0%		-
Corporate IG	10%	0-20%		10%		
US Dollar	5%			5%		50% JPY
Euro	2%			1%		
Sterling	1%			2%		
Japanese Yen	1%			0%		-
Emerging Markets	1%			2%		
China**	0.1%			0%		-
Corporate HY	5%	0-10%	↑	5%		
US Dollar	4%	0 10/0	 ↑	4%		50% JPY
Euro	1%		1	1%		
Bank Loans	4%	0-8%		8%		
US	3%	00/0		6%		
Europe	1%			2%		
Equities	45%	25-65%	1	42%		-
US	25%	25-0570	¥	10%		
Europe ex-UK	7%		¥	12%		
UK	4%			6%		
Japan	4%			5%		
Emerging Markets	5%		↓	9%		
China**	2%		¥	4%		
Real Estate	4%	0-8%	1	<u> </u>		
US	1%	0-070	¥	1%		
Europe ex-UK	1%			2%		
UK	1%			2 % 1%		•
Japan	1%		↓ ↓	1%		
Emerging Markets	1%		Ļ	1%		
Commodities	<b>2%</b>	0-4%		<b>4%</b>		
	1%	0-4 %		2%		
Energy Industrial Metals	0.3%			2 % 1%		•
Precious Metals	0.3%			0% 1%		
Agriculture	0.3% <b>100%</b>			100%		
Total	100%			100%		
Currency Exposure (includin	a effect of heda	iina)				
USD	52%			30%		
EUR	19%			25%		
GBP	7%		I.	25% 11%		
JPY	13%		↓ *	11%		
EM	9%			19% 16%		
			Ļ			
Total	100%			100%		

Notes: \*\*China is included in Emerging Markets allocations. This is a theoretical portfolio and is for illustrative purposes only. See the latest The Big Picture document for more details. It does not represent an actual portfolio and is not a recommendation of any investment or trading strategy. Arrows indicate the direction of the most recent changes. Source: Invesco



# Figure 7 – Model allocations for Global sectors

	Neutral	Invesco	Preferred Region
Energy	6.3%	Overweight	EM
Basic Materials	3.4%	Neutral	Japan
Basic Resources	2.0%	Neutral	Japan
Chemicals	1.3%	Overweight	UŚ
Industrials	13.1%	Underweight	US
Construction & Materials	1.7%	Underweight	US
Industrial Goods & Services	11.4%	Underweight	US
Consumer Discretionary	14.2%	Underweight	US
Automobiles & Parts	2.3%	Underweight	Europe
Media	1.2%	Overweight	US
Retailers	5.5%	Overweight	US
Travel & Leisure	1.9%	Underweight	EM
Consumer Products & Services	3.2%	Underweight	Japan
Consumer Staples	5.3%	Neutral	US
Food, Beverage & Tobacco	3.4%	Neutral	US
Personal Care, Drug & Grocery Stores	2.0%	Overweight	Europe
Healthcare	8.8%	Underweight	US
Financials	17.2%	Overweight	US
Banks	8.2%	Overweight	US
Financial Services	5.6%	Underweight	US
Insurance	3.3%	Neutral	US
Real Estate	2.7%	Overweight	Japan
Technology	22.0%	Neutral	EM
Telecommunications	3.6%	Neutral	US
Utilities	3.4%	Overweight	US

Notes: These are theoretical allocations which are for illustrative purposes only. They do not represent an actual portfolio and are not a recommendation of any investment or trading strategy. See the latest <u>Strategic Sector Selector</u> for more details. Source: Refinitiv Datastream and Invesco



# **Appendix**

### Definitions of data and benchmarks for Figure 3

Sources: we source data from Datastream unless otherwise indicated.

**Cash:** returns are based on a proprietary index calculated using the Intercontinental Exchange Benchmark Administration overnight LIBOR (London Interbank Offer Rate). From 1<sup>st</sup> January 2022, we use the Refinitiv overnight deposit rate for the euro, the British pound and the Japanese yen. The global rate is the average of the euro, British pound, US dollar and Japanese yen rates. The series started on 1<sup>st</sup> January 2001 with a value of 100.

Gold: London bullion market spot price in USD/troy ounce.

**Government bonds:** Current levels, yields and total returns use Datastream benchmark 10-year yields for the US, Eurozone, Japan and the UK, and the Bank of America Merrill Lynch government bond total return index for the World and Europe. The emerging markets yields and returns are based on the Bloomberg Barclays emerging markets aggregate government bond index.

**Corporate investment grade (IG) bonds:** Bank of America Merrill Lynch investment grade corporate bond total return indices. The emerging markets yields and returns are based on the Bloomberg Barclays emerging markets aggregate corporate bond index.

Corporate high yield (HY) bonds: Bank of America Merrill Lynch high yield total return indices

**Equities:** We use MSCI benchmark gross total return indices for all regions.

Commodities: Goldman Sachs Commodity total return indices

Real estate: FTSE EPRA/NAREIT total return indices

Currencies: Global Trade Information Services spot rates



#### **Investment risks**

The value of investments and any income will fluctuate (this may partly be the result of exchange rate fluctuations) and investors may not get back the full amount invested.

### Important information

Data as of 20 June 2025 unless stated otherwise.

By accepting this document, you consent to communicating with us in English, unless you inform us otherwise.

This marketing communication is for informational purposes only and is intended only for Professional Clients and Financial Advisers in Continental Europe (as defined below); Professional Clients only in Dubai, Ireland, the Isle of Man, Jersey, Guernsey and the UK; for Qualified Clients/Sophisticated Investors in Israel, for Professional/Qualified/Sophisticated Investors in Bahrain, Jordan, Kuwait, Lebanon, Mauritius, Oman, Qatar, Saudi Arabia, South Africa, Tunisia, Turkey, and the United Arab Emirates; for Professional Investors in Hong Kong, for certain specific sovereign wealth funds and/or Qualified Domestic Institutional Investors approved by local regulators only in the People's Republic of China, for Sophisticated/Professional Investors in Australia, for Institutional Investors in the United States, Peru and Singapore; for AFPs and Qualified Investors in Chile and Colombia; for Accredited/Institutional Investors in Mexico; for Wholesale Investors (as defined in the Financial Markets Conduct Act) in New Zealand: for certain specific Qualified Institutions and/or Sophisticated Investors only in Taiwan, for Qualified Professional Investors in Korea, for certain specific institutional investors in Brunei and Indonesia, for Qualified Institutional Investors and/or certain specific institutional investors in Thailand, for gualified buyers in Philippines and for certain specific institutional investors in Malavsia, upon request, for informational purposes only. This document is only intended for use with Qualified Institutional Investors in Japan; in Canada, this document is restricted to Institutional Investors and Advisors, is for educational purposes only, does not constitute investment, tax or legal advice and should not be relied on as such. This is not to be construed as an offer to buy or sell any financial instruments and should not be relied upon as the sole factor in an investment making decision. As with all investments there are associated inherent risks. Please obtain and review all financial material carefully before investing. All material presented is compiled from sources believed to be reliable and current, but accuracy cannot be guaranteed.

Continental Europe is defined as Andorra, Austria, Belgium, Bulgaria, Czech Republic, Croatia, Denmark, Finland, France, Germany, Gibraltar, Greece, Hungary, Italy, Kosovo, Latvia, Lithuania, Liechtenstein, Luxembourg, Malta, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and Switzerland.

This is marketing material and not financial advice. It is not intended as a recommendation to buy or sell any particular asset class, security or strategy. Regulatory requirements that require impartiality of investment/investment strategy recommendations are therefore not applicable nor are any prohibitions to trade before publication.

Views and opinions are based on current market conditions and are subject to change. These materials may contain statements that are not purely historical in nature but are "forward-looking statements." These include, among other things, projections, forecasts, estimates of income, yield or return, future performance targets, sample or pro forma portfolio structures or portfolio composition, scenario analysis, specific investment strategies and proposed or pro forma levels of diversification or sector investment. These forward-looking statements can be identified by the use of forward-looking terminology such as "may," "will," "should," "expect," "anticipate," "project," "estimate," "intend," "continue," "target," "believe," the negatives thereof, other variations thereon or comparable terminology. Forward looking statements are based upon certain assumptions, some of which are described herein. Actual events are difficult to predict, are beyond the Issuer's control, and may substantially differ from those assumed. All forward-looking statements included herein are based on information available on the date hereof and Invesco assumes no duty to update any forward-looking statement.



### Australia

This document has been prepared only for those persons to whom Invesco has provided it. It should not be relied upon by anyone else. Information contained in this document may not have been prepared or tailored for an Australian audience and does not constitute an offer of a financial product in Australia. You may only reproduce, circulate and use this document (or any part of it) with the consent of Invesco.

The information in this document has been prepared without taking into account any investor's investment objectives, financial situation or particular needs. Before acting on the information the investor should consider its appropriateness having regard to their investment objectives, financial situation and needs. You should note that this information:

- may contain references to dollar amounts which are not Australian dollars;
- may contain financial information which is not prepared in accordance with Australian law or practices;
- may not address risks associated with investment in foreign currency denominated investments; and
- does not address Australian tax issues.

### **New Zealand**

This document is issued only to wholesale investors (as defined in the Financial Markets Conduct Act) in New Zealand to whom disclosure is not required under Part 3 of the Financial Markets Conduct Act. This document has been prepared only for those persons to whom it has been provided by Invesco. It should not be relied upon by anyone else and must not be distributed to members of the public in New Zealand. Information contained in this document may not have been prepared or tailored for a New Zealand audience. You may only reproduce, circulate and use this document (or any part of it) with the consent of Invesco. This document does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for, an opinion or guidance on Interests to members of the public in New Zealand. Applications or any requests for information from persons who are members of the public in New Zealand will not be accepted.

Issued in Australia and New Zealand by Invesco Australia Limited (ABN 48 001 693 232), Level 26, 333 Collins Street, Melbourne, Victoria, 3000, Australia which holds an Australian Financial Services Licence number 239916.

**Israel:** This document may not be reproduced or used for any other purpose, nor be furnished to any other person other than those to whom copies have been sent. Nothing in this document should be considered investment advice or investment marketing as defined in the Regulation of Investment Advice, Investment Marketing and Portfolio Management Law, 1995 ("Investment Advice Law"). Neither Invesco Ltd. nor its subsidiaries are licensed under the Investment Advice Law, nor does it carry the insurance as required of a licensee thereunder.

This document is provided by Invesco Management S.A., President Building, 37A Avenue JF Kennedy, L-1855 Luxembourg, regulated by the Commission de Surveillance du Secteur Financier, Luxembourg, Invesco Asset Management Deutschland GmbH, An der Welle 5, 60322- Frankfurt/M., Germany, Invesco Asset Management (Schweiz) AG, Talacker 34, 8001 Zurich, Switzerland, and Invesco Asset Management Limited, Perpetual Park, Perpetual Park Drive, Henley-on Thames, Oxfordshire RG9 1HH, UK Authorised and regulated by the Financial Conduct Authority, Invesco Asset Management Limited, Index Tower Level 6 - Unit 616, P.O. Box 506599, AI Mustaqbal Street, DIFC, Dubai, United Arab Emirates. Regulated by the Dubai Financial Services Authority.

This document is issued in the following countries:

- in Hong Kong by Invesco Hong Kong Limited 景順投資管理有限公司, 45/F, Jardine House, 1 Connaught Place, Central, Hong Kong
- in Singapore by Invesco Asset Management Singapore Ltd, 9 Raffles Place, #18-01 Republic Plaza, Singapore 048619.
- in Taiwan by Invesco Taiwan Limited, 22F, No.1, Songzhi Road, Taipei 11047, Taiwan (0800-045-066).
  Invesco Taiwan Limited is operated and managed independently.
- In Japan by Invesco Asset Management (Japan) Limited, Roppongi Hills Mori Tower 14F, 6-10-1 Roppongi, Minato-ku, Tokyo 106-6114: Registration Number: The Director – General of Kanto Local Finance Bureau (Kin-sho) 306; Member of the Investment Trusts Association, Japan and the Japan Investment Advisers Association
- In the US by Invesco Advisers, Inc., 1331 Spring Street NW, Suite 2500, Atlanta, GA 30309 and Invesco Capital Management LLC, 3500 Lacey Road, Suite 700, Downers Grove, IL 60515.





In Canada by Invesco Canada Ltd., 16 York Street, Suite 1200, Toronto, Ontario M5J 0E6.

Telephone calls may be recorded.

© 2025 Invesco. All rights reserved. II-GMSOAP-WP-44-E GL4601635.



### Authors

András Vig Multi-Asset Strategist Telephone +44(0)20 3370 1152 andras.vig@invesco.com London, EMEA

Global Market Strategy Office	
Brian Levitt	James Anania
Global Market Strategist, Americas	Investment Strategy Analyst, Americas
<u>brian.levitt@invesco.com</u>	james.anania@invesco.com
New York, Americas	New York, Americas
David Chao	Thomas Wu
Global Market Strategist, Asia Pacific	Market Strategy Analyst, Asia Pacific
<u>david.chao@invesco.com</u>	<u>thomas.wu@invesco.com</u>
Hong Kong, Asia Pacific	Hong Kong, Asia Pacific
Tomo Kinoshita	Arnab Das
Global Market Strategist, Japan	Global Macro Strategist
<u>tomo.kinoshita@invesco.com</u>	<u>arnab.das@invesco.com</u>

Paul Jackson Global Head of Asset Allocation Research paul.jackson@invesco.com London, EMEA

Ashley Oerth Associate Global Market Strategist ashley.oerth@invesco.com London, EMEA

\*Affiliated member

Tokyo, Asia Pacific

Telephone calls may be recorded.

András Vig Multi-Asset Strategist <u>andras.vig@invesco.com</u> London, EMEA

London, EMEA