

EM Corporate Monthly (+Chartbook)

EM Corps rallied in July before steepening rates soured the mood

Risk-on rally in July, with rates weighing recently

A soft-landing view is becoming consensus in the market and it is also reflected in EM Corporate HY spreads that are at average levels (+567bps) compared to their historical average (+622bps 10yr-avg). Since July month-end, steepening rates also weighed on the long end of the curve, as spreads stayed flat. Unlike 2022, rates are now steepening for positive reasons as the market prices in lower probability of a US recession and a higher inflation outlook.

Stay balanced as this credit cycle may not be dead yet

Acknowledging the positive shift in the growth outlook, we remain cautious, as the conditions that historically often led to turns in credit cycles remain in place: rates are high; issuers need to refinance at high rates; inflationary boosts to earnings are subsiding; credit could tighten; and rate-sensitive pockets of debt could still surprise and cause spillovers. We also look for opportunities given recent positive data, such as in the case of Mexico's economy, which appears to be running hot.

China Outlook uncertain, yet Metals & Mining tight

Global EM spreads for Metals & Mining issuers are currently at historical tights. Therefore, we believe they have more room to widen than to tighten given uncertainty in the outlook for global growth in general and for Chinese demand in particular. We find that spreads are likely already pricing in expected deterioration in 2Q fundamentals as prices moderate from a strong year-over-year basis.

Mexico's +ve momentum not reflected in HY spreads yet

Our economists note that Mexico is showing signs of economic momentum with falling inflation and double-digit credit growth for consumption. We have seen encouraging corporate earnings so far for some names, with the strong peso a tailwind that's positive for \$USD credit capacity. While IG spreads have tightened since April, HY spreads ex-Pemex have not followed suit. As such, we see relative spread compression potential for HY credits within subordinated Financials, Cement.

EM Corps +0.76% in July, EM HY Corp +1.4%

HY rallied impressively in July, returning +1.4%. Within HY, LatAm HY outperformed CEEMEA and Asia, tightening -38bps and returning +2.2% on strong total return performance by Energy quasi-sovereign corporates. By country, the strongest performers in HY were Chile HY +4.0%, Colombia HY +3.6%, Argentina +3.1% and Türkiye +2.7%. In these countries, gains were generally led by high-beta credits: such as distressed names in Chile (VTR, Guacolda) and Single-B Mining and Energy companies in Colombia (Aris, SierraCol, Geopark). CEEMEA HY was up +1.8%, led by Energy companies in Africa (Kosmos, Tullow, Seplat), which returned 3% to 8%. Notably absent from the HY rally was Chinese HY Real Estate, which was down -14.7%.

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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Refer to important disclosures on page 24 to 26.

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EM Corporate Strategy Global

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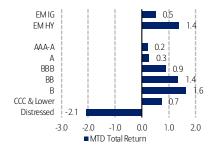
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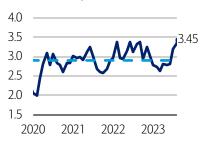
Exhibit 1: EM HY outperformed in July Total Rate of Return % MoM, by rating



Source: BofA Global Research, ICE Data Indices LLC BofA GLOBAL RESEARCH

Exhibit 2: Mexico ex-Pemex spreads HY to IG ratio historically wide

Mexico HY to IG spreads (ex-Pemex)



Source: BofA Global Research, ICE Data Indices LLC BofA GLOBAL RESEARCH

See Appendix for list of common abbreviations

Metals & Mining spreads could widen on weak outlook

Concerns about the global economic outlook including Chinese demand for materials used in residential construction weigh on the Metals & Mining sector. Because spreads remain on the tighter end of their historical range, we expect weaker performance given global outlook uncertainty.

Earnings weak so far. Taking stock of commodity corps that have reported (mostly in LatAm), earnings are generally coming in weak. In a few cases EBITDA fell -60% YoY to -80% YoY, as producers dealt with moderating commodity prices.

Spreads tight despite earnings weakness. As a result of prices moderating, gross margins seemed to be weakening in 2Q23 (see Exhibit 3 for selected issuers that have reported). However, aggregate spreads are currently at tight levels, not only for the sector across Global EM (current spread is 314bps, compared to a three-year average of 330bps) but also when we compare on a name-by-name basis for Mining issuers that have reported (see Exhibit 4).

Exhibit 3: Gross margins dropped for Miners that have reported... Gross margin for Mining issuers that have reported for 2Q23

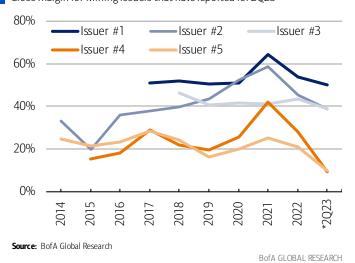
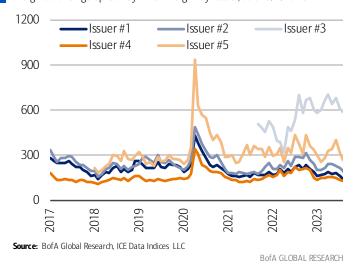


Exhibit 4: ...and yet spreads remain tight compared to historyWeighted average spread by index weight by issuer, as of 8/1/2023



China weighs on the commodity demand outlook. In China, in addition to the challenges to the residential property sector, local government debt risks are mounting with no forceful policy response yet. Local governments have historically been a major driver for commodity-intensive infrastructure spending. Our China Economist Helen Qiao recently cut the growth outlook for China to 5.1% and 4.8% for 2023E and 2024E, respectively. See China GDP growth forecasts for delayed policy response 20 July 2023.

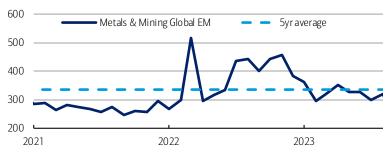
Commodity outlook mixed. Our Commodity Research team forecasts lower Steel HRC (hot-rolled coil) prices in Europe and the US, lower Iron Ore prices, lower Lithium spodumene prices, lower precious metal prices, flat Zinc prices, and higher aluminum and copper prices by the end of the year. See their latest report for more detail: Global Metals Weekly: Lithium desperately seeking production discipline 31 July 2023.

Spreads could widen from here. We believe spreads can widen more than they can tighten from current levels as fundamentals moderate and risks to the global growth outlook weigh on the sector. Despite the weakening outlook, many miners, especially in LatAm, have strong competitive advantages in their sectors with low-cost production, large scale, IG ratings and still low leverage despite the drop in prices.



Exhibit 5: Metals & Mining spreads are near historical tights

Aggregate OAS for Metals & Mining bonds (EMCB index)



Source: BofA Global Research, ICE Data Indices, LLC

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Mexico's running hot - HY has room to tighter

Given the positive economic momentum and current HY/IG spread differential, we believe that Mexico HY ex-Pemex has spread compression potential in the next three to six months. Within the segment, we like subordinated Bank Financials and Cement.

Mexican economic growth surprised to the upside in April as monthly GDP grew 0.8% mom sa. The central bank has guided to keeping rates steady at 11.25% "for an extended period" as CPI inflation fell to 5.1% YoY in June. Our Mexico Economist Carlos Capistran forecasts GDP growth of 2.3% for 2023E and notes that there may be upside potential to growth as the economy may be overheating: Credit for consumption, house prices, and wages are all growing at double-digit rates. See report: Emerging Insight: Is the Mexican economy overheated? 11 June 2023.

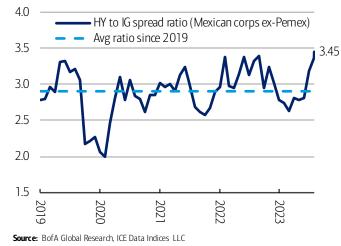
Earnings encouraging so far. The strong growth environment and the strong peso (+13% 2Q23 avg vs 2Q22 avg) are reflected in some of the Mexican corporates that have already reported for 2Q23. Two large Food and Bev corps grew revenues and EBITDA ca. +20%, and a Cement issuer posted strong double-digit revenue and EBITDA growth. This is counter to the weaker earnings so far for commodity producers.

HY Spreads have diverged. Ex-Pemex, Mexico HY spreads have historically closely tracked IG spreads, but they have recently deviated, staying steady as IG spreads have tightened. The ratio of HY to IG spread is currently at 3.45x—which is a 10-yr high. If the ratio reverted to the 5-yr or 10-yr mean it would translate to ca. -100bps tightening upside for HY.

Exhibit 6: HY lags IG spread tightening despite economic momentum Aggregate spreads of Mexican corporate bonds, ex Pemex



Exhibit 7: Mexico HY/IG spread ratio is at multi-year highs Ratio of Mexico HY vs Mexico IG (excluding Pemex)



Return Heat Maps - Global EM

Monthly and yearly Total & Excess returns

Exhibit 8: EM HY rallied in July except for Chinese HY Real Estate Total Returns (%) by Eff. Duration (yrs), Rating MoM

	01	12	23	34	45	56	67	78	89	9+
AA2			0.6	0.4	0.3	-0.1	-0.4			-0.1
AA3		0.2	0.3	0.2						
A1		0.5	0.5	0.4	0.4	0.2	0.1			-0.4
A2		0.5	0.4	0.4	0.2	0.3	-0.1	-0.2		-0.8
А3		0.5	0.6	0.4	0.7	0.4	0.3	0.4		0.0
BBB1		0.5	0.5	0.5	0.7	0.3	0.3	0.4		0.5
BBB2		0.5	0.6	0.3	0.9	0.9	0.9	0.8		1.5
BBB3		0.7	0.6	1.2	1.2	1.2	0.9	1.8		2.3
BB1		0.7	0.6	1.8	1.5	3.4	2.0			4.4
BB2		0.6	0.8	1.0	1.6	2.3				
BB3		0.0	0.4	1.6	0.1	1.6				
B1	0.8	-1.1	1.9	2.1	2.2					
B2		1.2	3.8	3.3						
В3		-0.6	3.3							
CCC1			0.3							

Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 10: Lower credit quality and longer duration led excess returns in July

Excess Returns (%) MTD by Effective Duration and Rating

	01	12	23	34	45	56	67	78	89	9+
AA2			0.2	0.1	0.2	0.0	-0.1			1.4
AA3		-0.2	-0.1	0.0						
A1		0.1	0.1	0.2	0.4	0.3	0.4			1.3
A2		0.1	0.1	0.2	0.1	0.4	0.2	0.4		0.7
A3		0.2	0.2	0.2	0.6	0.5	0.6	0.9		1.7
BBB1		0.1	0.2	0.3	0.6	0.4	0.6	1.0		2.0
BBB2		0.1	0.2	0.1	0.8	1.0	1.2	1.3		3.1
BBB3		0.3	0.3	1.0	1.1	1.3	1.3	2.3		3.7
BB1		0.3	0.3	1.6	1.4	3.6	2.3			5.6
BB2		0.2	0.5	0.7	1.5	2.5				
BB3		-0.3	0.0	1.4	0.0	1.7				
B1	0.3	-1.5	1.6	1.9	2.1					
B2		0.8	3.4	3.1						
B3		-1.0	2.9							
CCC1			-0.1							

Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 9: EM IG and HY bonds now have similar performance YTD Total Returns (%) by Maturity and Rating YTD

	01	12	23	34	45	56	67	78	89	9+
AA2			1.8	1.9	2.3	2.3				1.1
AA3		2.0	2.2	1.4						
A1		1.8	1.6	2.0	3.0	3.2	4.0	4.1		5.8
A2		2.4	2.2	2.0	2.4	3.0	3.4	3.7		3.4
А3		2.9	2.6	3.0	3.5	3.6	4.0	4.3	4.4	4.8
BBB1		3.0	2.8	3.8	4.7	3.8	5.4	5.8		4.9
BBB2		3.5	3.3	3.7	4.3	3.8	4.6	5.5		7.3
BBB3		3.9	4.5	4.3	5.8	4.7	5.5	4.6	5.4	8.1
BB1		3.5	3.9	5.0	5.9	6.3	2.8			6.6
BB2		3.0	3.8	3.6	4.9	-1.2				
BB3		0.5	-1.0	3.6	2.1	3.5				
В1		2.1	0.9	7.7	-1.3					
B2		7.0	3.1	7.8	6.7					
В3		5.8	8.1							
CCC1			0.8							

Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 11: Longer duration have had higher excess returns YTD Excess Returns (%) YTD by Duration and Rating

	01	12	23	34	45	56	67	78	89	9+
AA2			0.9	1.0	1.5	1.4				-0.4
AA3		0.3	1.0	0.6						
A1		0.5	0.7	1.1	2.0	2.3	3.1	3.0		4.7
A2		0.9	1.2	1.1	1.3	1.9	2.4	2.6		1.7
A3		1.4	1.5	2.1	2.5	2.8	3.1	3.0	3.4	3.5
BBB1		1.4	1.7	2.8	3.7	2.8	4.4	4.7		3.6
BBB2		2.0	2.2	2.7	3.4	2.6	3.7	4.3		5.8
BBB3		2.3	3.4	3.4	4.6	3.6	4.5	3.3	4.2	6.6
BB1		2.2	2.9	4.0	4.7	5.5	1.7			5.2
BB2		1.6	2.7	2.5	3.6	-2.1				
BB3		-1.0	-2.2	2.7	0.8	2.3				
B1		0.6	-0.2	6.6	-2.4					
B2		5.2	1.8	6.4	5.5					
В3		4.1	6.8							
CCC1			-0.4							

Source: BofA Global Research, ICE Data Indices LLC



Broad Market Performance Summary

Exhibit 12: EM spreads tightened in July, as treasury yields climbedMarket Performance Summary: OAS Spread Changes (bps) as of 7/31/2023

			Spre	ge (bps)	(bps)		
Market	Index	Level	wow	MTD	YTD	YoY	
2yr Trsy	GA02	4.87%	+38	-0	+46	+195	
5yr Trsy	GA05	4.16%	+33	+4	+20	+150	
10yr Trsy	GA10	3.95%	+25	+14	+12	+134	
30yr Trsy	GA30	4.01%	+11	+16	+6	+108	
EM Corporates	EMCB	256bps	-37	-17	-39	-109	
EM Corporates Diversifie	d EMCL	253bps	-39	-19	-39	-109	
EM Sovereigns	EMGB	299bps	-36	-22	-34	-119	
EM Local Sovereigns	LDMP	661bps	-11	-5	-44	-50	
EM Local Corps	LCCB	47bps	+4	+2	-1	-16	
US IG	COA0	119bps	-20	-11	-19	-33	
EM IG	EMIB	144bps	-16	-7	-23	-67	
LatAm IG	EMIL	181bps	-26	-13	-20	-93	
EMEA IG	EMIE	150bps	-20	-9	-13	-60	
Asia IG	EMIA	134bps	-13	-5	-27	-63	
US HY	H0A0	379bps	-60	-26	-102	-101	
EM HY	EMHB	567bps	-102	-45	-73	-228	
LatAm HY	EMHL	533bps	-92	-48	-19	-117	
EMEA HY	EMHE	493bps	-76	-35	-63	-191	
Asia HY	EMHA	761bps	-144	-45	-170	-506	

Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 13: EM assets rallied in July, led by Sovereign debt Market Performance Summary: Total Returns (%)

			Total Returns (%)					
Market	Index	Price	wow	MTD	YTD	YoY		
EM Corporates	EMCB	89.0pt	+1.2%	+0.7%	+3.5%	+2.9%		
EM Corporates Diversified	EMCL	89.5pt	+1.4%	+0.9%	+3.8%	+3.4%		
EM Sovereigns	EMGB	84.6pt	+2.9%	+1.7%	+5.1%	+4.1%		
EM Local Sovereigns	LDMP	96.0pt	+1.4%	+0.5%	+6.0%	+7.9%		
EM Local Corps	LCCB	101.6pt	+0.8%	+0.5%	+3.3%	+3.1%		
US IG	COAO	90.7pt	+0.8%	+0.4%	+3.7%	-1.4%		
EM IG	EMIB	90.7pt	+0.7%	+0.5%	+3.4%	+1.2%		
LatAm IG	EMIL	90.8pt	+1.8%	+1.0%	+4.3%	+3.5%		
EEMEA IG	EMIE	89.9pt	+0.8%	+0.5%	+2.4%	-0.3%		
Asia IG	EMIA	91.0pt	+0.4%	+0.4%	+3.5%	+1.1%		
US HY	H0A0	89.6pt	+2.1%	+1.4%	+6.9%	+3.9%		
EM HY	EMHB	84.6pt	+2.8%	+1.4%	+3.9%	+7.7%		
LatAm HY	EMHL	84.4pt	+3.9%	+2.2%	+4.3%	+5.9%		
EMEA HY	EMHE	89.5pt	+3.2%	+1.8%	+7.1%	+10.1%		
Asia HY	EMHA	78.8pt	-0.3%	-1.1%	-1.4%	+8.2%		
Mexico	EMXZ	84.0pt	+3.0%	+1.3%	+4.3%	+3.4%		
South Korea	EKRZ	93.7pt	+0.1%	+0.4%	+2.7%	-0.4%		
Brazil	EBRZ	91.6pt	+2.6%	+1.7%	+2.7%	+2.7%		
UAE	EAEZ	92.8pt	+0.2%	+0.3%	+1.8%	+0.2%		
India	EINZ	88.9pt	+0.8%	+0.4%	+4.4%	+3.8%		
China	ECNZ	88.4pt	-0.1%	-0.1%	+1.7%	+1.9%		
EM As	EMAQ	91.0pt	+0.1%	+0.3%	+2.9%	-0.3%		
EM BBBs	EM2B	90.8pt	+1.4%	+0.9%	+4.5%	+3.7%		
EM BBs	EM3B	86.6pt	+2.4%	+1.4%	+3.2%	+5.5%		
EM Bs	EM6B	88.4pt	+2.9%	+1.6%	+4.6%	+9.5%		
EM CCCs	EM7B	64.6pt	+6.0%	+0.7%	+7.6%	+23.8%		
EM Equities (MXEF)	MXEF	1046.9pt	+6.1%	+5.8%	+7.7%	+5.2%		
US Equities (SPX)	SPX	4589.0pt	+7.4%	+3.1%	+12.5%	+11.4%		

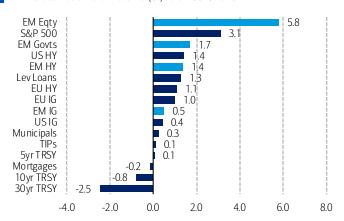
Source: ICE Data Indices, LLC, BofA Global Research



Total Return Performance

Exhibit 14: EM Equities rallied in July, EM HY Corps outperformed

MTD Cross Asset Total Returns (%) as of 7/31/2023

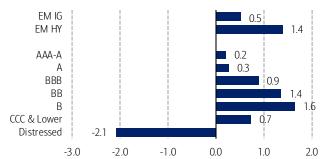


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 16: EM B's and BB's outperformed in July

MTD Total Returns (%) by Rating, July 2023

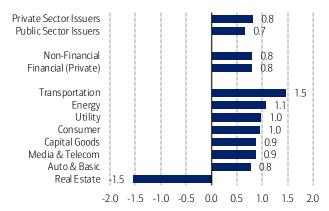


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 18: Transportation sector has outperformed MTD

MTD Total Returns (%) by Sector as of 7/31/2023

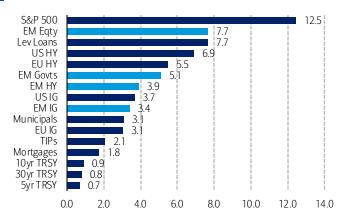


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 15: EM HY performance higher than EM IG YTD

YTD Cross-Asset Total Returns (%) as of 7/31/2023

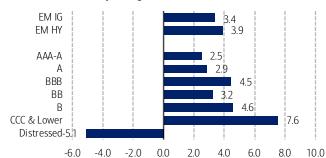


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 17: EM Corp B's and BBB's outperformed YTD

YTD Total Returns (%) by Rating, as of 7/31/2023

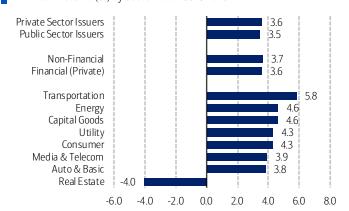


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 19: Transportation sector has outperformed YTD

YTD Total Returns (%) by Sector as of 7/31/2023

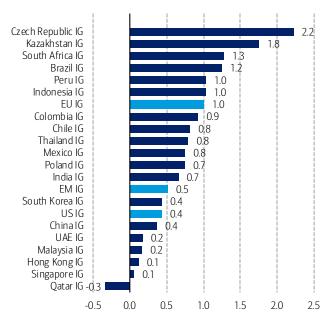


Source: ICE Data Indices, LLC, Bloomberg



Exhibit 20: Czech Rep. IG, Kazakhstan IG, outperformed in July

MTD IG Corporate Credit Total Returns (%) by Country as of 7/31/2023

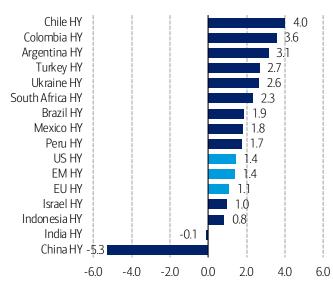


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 22: HY in Chile, Colombia, Argentina outperformed MTD

MTD HY Corporate Credit Total Returns (%) by Country as of 7/31/2023

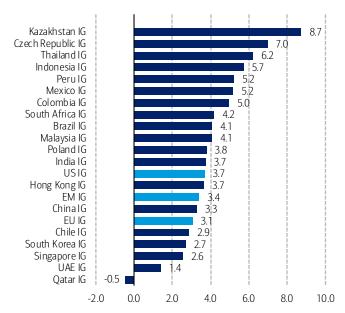


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 21: Kazakhstan IG, Czech Rep. IG outperformed YTD

YTD IG Corporate Credit Total Returns (%) by Country as of 7/31/2023

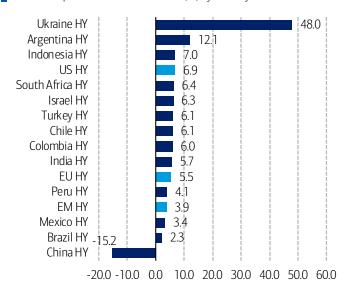


Source: ICE Data Indices, LLC, Bloomberg

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Exhibit 23: Ukraine and Argentina top performers in HY YTD

YTD HY Corporate Credit Total Returns (%) by Country as of 7/31/2023



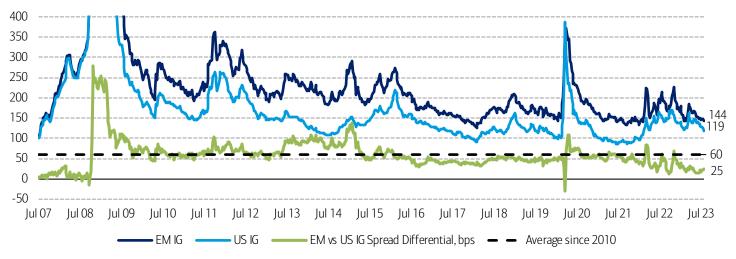
Source: ICE Data Indices, LLC, Bloomberg



EM vs. US Corporate Relative Value

Exhibit 24: EM IG spreads at cycle lows and EM IG-US IG spread differential near decade lows as well

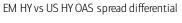


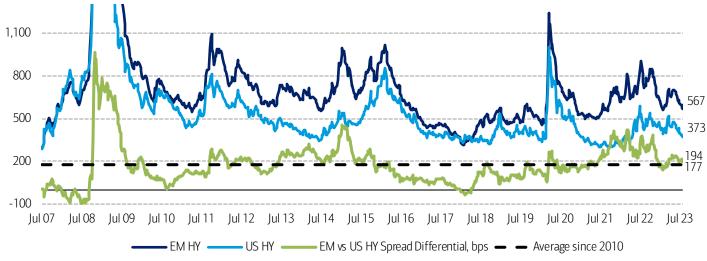


Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 25: EM HY spreads trending towards pre-pandemic levels, EM HY – US HY spread differential close to long-term average

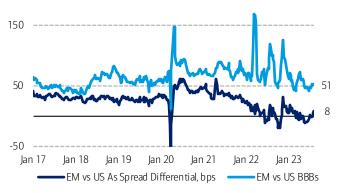




Source: BofA Global Research, ICE Data Indices LLC

Exhibit 26: EM Single-As (mainly in Asia & CEEMEA) are tight to US Single A-s but the same is not true for BBB's

EM spread to US by rating in IG



Source: BofA Global Research, ICE Data Indices LLC

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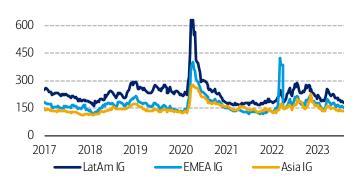
Exhibit 27: EM HY to US HY spread differentials are average compared to historical levels

EM spread to US by rating in HY



Exhibit 28: LatAm IG spreads wider to other regions

EM IG aggregate spreads by region



Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 29: Asia HY spreads wider to other regions

EM HY aggregate spreads by region

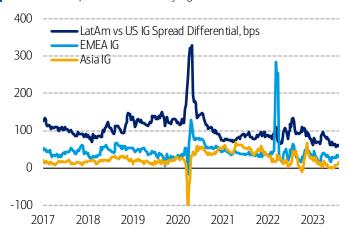


Source: BofA Global Research, ICE Data Indices LLC



Exhibit 30: LatAm IG provides higher pickup vs US IG compared to the other regions

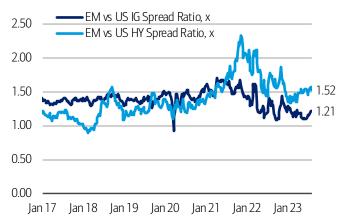
EM IGvs US IG spreads differentials by region



Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 32: EM IG to US IG spread ratio has trended lower in last 3yrs EM vs. US OAS spread ratios by Rating Grade

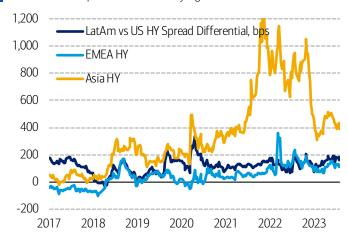


Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 31: Asia HY, driven by Chinese HY Real Estate is widest among

EM HY vs US HY spreads differentials by region

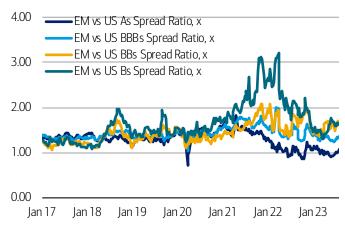


Source: BofA Global Research, ICE Data Indices LLC

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Exhibit 33: A-rated bonds drive the tight US-EM spread differential

EM vs. US OAS spread ratios by rating



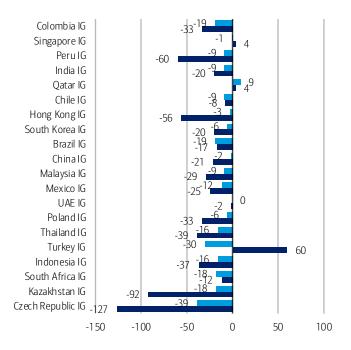
Source: BofA Global Research, ICE Data Indices LLC



Country Level Spread Performance & Relative Value

Exhibit 34: EM IG MTD & YTD OAS Change (bps)

As of 04/30/2023, the biggest spread tightening MTD was Czech Republic and Kazakhstan IG

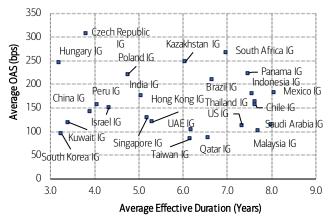


■ MTD Spread Change (bps) ■ YTD Spread Change (bps)

Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 36: Five CEEMEA countries have higher IG spreads on aggregate EM IG Country REL Val: duration (x-axis) vs. OAS (y-axis) as of 7/31/2023

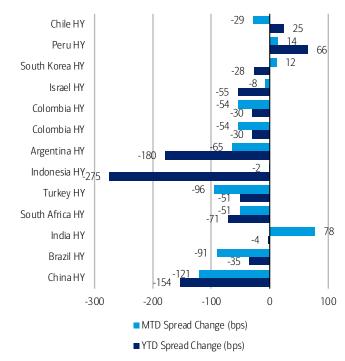


Source: ICE Data Indices, LLC, BofA Global Research

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Exhibit 35: EM HY MTD & YTD OAS Change (bps)

As of 04/30/2023, the biggest spread tightening MTD was India and Ukraine HY

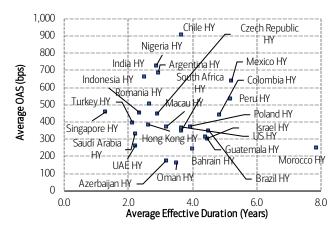


Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 37: EM HY Country Rel Val: duration (x-axis) vs. OAS (y-axis)

Ukraine HY* and China HY* have the highest spreads with >3,000bps and 1,290bps respectively (notshown)



Source: ICE Data Indices, LLC, BofA Global Research

*Not shown: Ukraine HY has an effective duration of 2.4 years and trades with OAS of 3,160bps. China HY has an effective duration of 2.1 years and trades with OAS of 1,290bps. Ghana Hy has an effective duration of 2.3 years and trades with OAS of 1,350bps (spreads rounded to nearest multiple of 10).

Top & Bottom Bond Performers

Exhibit 38: LatAm distressed credits topped the top performer list in April

Top 25 EMCB index performers MoM by Total Return

Name	Bond ID	Crncy	/ Rtg	Country	Region	Sector	YTW	Price	OAS	1mo TR%
National Power Company Ukrenergo	NPCUKR 6.88 2028	USD	CC	Ukraine	EMEA	Agencies/Quasi	42.9	26.7	5,632	27.3
State Road Agency Ukraine Ukravtodor	UKRAVT 6.25 2030	USD	CCC2	! Ukraine	EMEA	Agencies/Quasi	48.0	26.5	4,355	26.2
Liquid Telecommunications Financing plc	LIQTEL 5.5 2026	USD	B2	Mauritius	EMEA	Telecommunications	20.6	66.6	1,605	19.8
VTR Comunicaciones SpA	VTRCOM 4.38 2029) USD	CCC2	? Chile	Latin Americ	a Media	15.4	59.0	1,128	16.1
RKPF Overseas 2019 (E) Ltd.	ROADKG 7.75 2024	4 USD	В1	China	Asia/Pacific	Real Estate	28.2	33.2	2,357	14.4
VTR Comunicaciones SpA	VTRCOM 5.13 2028	3 USD	CCC2	? Chile	Latin Americ	a Media	19.2	59.0	1,489	13.5
VTR Finance N.V.	VTRFIN 6.38 2028	USD	CCC3	S Chile	Latin Americ	a Media	29.0	42.4	2,469	13.4
Coruripe Netherlands BV	CORURI 10 2027	USD	В3	Brazil	Latin Americ	a Energy	22.5	70.7	1,792	12.9
Frigorifico Concepcion SA	FRICON 7.7 2028	USD	B2	Paraguay	Latin Americ	a Food	11.6	85.5	736	10.1
Aris Mining Corp.	ARISCN 6.88 2026	USD	В1	Colombia	Latin Americ	a Materials	15.5	79.9	1,088	9.5
Fortune Star (BVI) Limited	FOSUNI 5.95 2025	USD	BB3	China	Asia/Pacific	Capital Goods	14.1	85.0	925	8.2
Globo Comunicacoes e Participacoes S.A.	GLOPAR 5.5 2032	USD	BB2	Brazil	Latin Americ	a Media	8.2	84.0	417	8.0
Kosmos Energy Ltd	KOS 7.75 2027	USD	B2	Ghana	EMEA	Energy	10.4	91.8	593	8.0
Tullow Oil	TLWLN 10.25 2026	USD	CCC1	Ghana	EMEA	Energy	19.8	81.3	1,516	8.0
SierraCol Energy Andina LLC	SIERRA 6 2028	USD	В1	Colombia	Latin Americ	a Energy	11.8	78.8	759	7.9
Fortune Star (BVI) Limited	FOSUNI 3.95 2026	EUR	BB3	China	Asia/Pacific	Capital Goods	15.2	72.5	1,244	7.8
Provincia del Chubut	CHUBUT 7.75 2030	USD	CC	Argentina	Latin Americ	a Agencies/Quasi	13.8	86.7	951	7.7
Kosmos Energy Ltd	KOS 7.5 2028	USD	B2	Ghana	EMEA	Energy	10.7	88.7	634	7.6
Kenbourne Invest S.A.	WOMCHI 4.7 2028	USD	B2	Chile	Latin Americ	a Telecommunications	13.2	71.9	891	7.5
Kosmos Energy Ltd	KOS 7.13 2026	USD	B2	Ghana	EMEA	Energy	9.8	93.9	504	7.4
Seplat Energy PLC	SEPLLN 7.75 2026	USD	В3	Nigeria	EMEA	Energy	12.9	88.6	826	6.9
Pakistan Water & Power Development Authority	PAKWNP 7.5 2031	USD	CCC2	Pakistan	Asia/Pacific	Utilities	23.2	44.5	1,906	6.9
BRF SA	BRFSBZ 5.75 2050	USD	BB3	Brazil	Latin Americ	a Food	8.5	70.9	439	6.7
CTP NV	CTPNV 1.25 2029	EUR	BBB3	3 Czech Republio	EMEA	Real Estate	6.0	76.8	351	6.7
Auna SAA	AUNASA 6.5 2025	USD	B2	Peru	Latin Americ	a Health Care	12.9	87.5	815	6.7

Source: ICE Data Indices LLC, BofA Global Research

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Exhibit 39: Distressed Chinese HY Real Estate names topped the worst performer

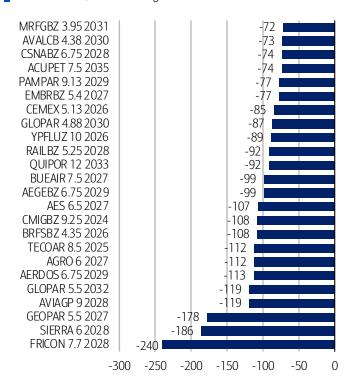
Bottom 25 EMCB Index performers MoM by Total Return

<u>Name</u>	Bond ID	Crncy	Rtg	Country	Region	Sector	YTW	Price	OAS	1mo TR%
Atento Luxco 1 S.A.	ATENTO 8 2026	USD	CCC3	Brazil	Latin America	Commercial Services	100.0	2.0	10,000	(69.5)
Sino-Ocean Land Treasure IV Ltd.	SINO CE 3.25 2026	USD	CCC1	China	Asia/Pacific	Real Estate	100.0	11.0	10,000	(61.8)
Sino-Ocean Land Treasure IV Ltd.	SINO CE 2.7 2025	USD	CCC1	China	Asia/Pacific	Real Estate	100.0	11.0	10,000	(61.3)
Sino-Ocean Land Treasure IV Ltd.	SINO CE 4.75 2029	USD	CCC1	China	Asia/Pacific	Real Estate	76.0	8.2	7,154	(51.9)
Sino-Ocean Land Treasure IV Ltd.	SINO CE 4.75 2030	USD	CCC1	China	Asia/Pacific	Real Estate	72.9	8.2	6,846	(51.3)
Sino-Ocean Land Treasure Finance II Ltd.	SINO CE 5.95 2027	USD	CCC1	China	Asia/Pacific	Real Estate	100.0	9.0	10,000	(50.5)
Country Garden Holdings Company Limited	COGARD 3.88 2030	USD	BB3	China	Asia/Pacific	Real Estate	44.7	13.5	4,058	(49.3)
Country Garden Holdings Company Limited	COGARD 3.3 2031	USD	BB3	China	Asia/Pacific	Real Estate	42.0	13.2	3,785	(47.2)
Country Garden Holdings Company Limited	COGARD 5.63 2026	USD	BB3	China	Asia/Pacific	Real Estate	77.2	17.5	7,262	(45.3)
Country Garden Holdings Company Limited	COGARD 2.7 2026	USD	BB3	China	Asia/Pacific	Real Estate	80.1	16.6	7,548	(41.8)
Country Garden Holdings Company Limited	COGARD 3.13 2025	USD	BB3	China	Asia/Pacific	Real Estate	100.0	18.8	9,569	(37.7)
Agile Group Holdings Limited	AGILE 7.88 2024	USD	CCC2	China	Asia/Pacific	Real Estate	100.0	7.1	10,000	(29.9)
Gemdale Ever Prosperity Investment Limited	GEMDAL 4.95 2024	USD	BB3	China	Asia/Pacific	Real Estate	55.3	64.0	4,983	(22.8)
New Metro Global Limited	FTLNHD 4.8 2024	USD	В1	China	Asia/Pacific	Real Estate	55.9	55.0	5,069	(18.1)
Agile Group Holdings Limited	AGILE 6.05 2025	USD	CCC2	China	Asia/Pacific	Real Estate	100.0	18.7	10,000	(16.6)
Vedanta Resources Finance II PLC	VEDLN 9.25 2026	USD	CCC1	India	Asia/Pacific	Materials	31.7	60.9	2,698	(16.4)
New Metro Global Limited	FTLNHD 4.63 2025	USD	В1	China	Asia/Pacific	Real Estate	52.0	41.8	4,718	(14.3)
Agile Group Holdings Limited	AGILE 5.5 2025	USD	CCC2	China	Asia/Pacific	Real Estate	100.0	21.2	10,000	(12.6)
Vedanta Resources Finance II PLC	VEDLN 8.95 2025	USD	В3	India	Asia/Pacific	Materials	40.6	64.9	3,561	(12.5)
Vedanta Resources Ltd.	VEDLN 6.13 2024	USD	CCC1	India	Asia/Pacific	Materials	55.3	65.1	4,981	(12.0)
RKPF Overseas 2020 A Ltd.	ROADKG 5.2 2026	USD	В1	China	Asia/Pacific	Real Estate	42.9	45.8	3,831	(11.9)
Yanlord Land (HK) Co. Ltd.	YLLGSP 5.13 2026	USD	BB3	China	Asia/Pacific	Real Estate	18.6	71.5	1,398	(11.8)
Wanda Properties Global Co Ltd	DALWAN 11 2025	USD	В1	China	Asia/Pacific	Real Estate	84.7	43.3	8,034	(10.5)
Kernel Holding SA	KERPW 6.75 2027	USD	C	Ukraine	EMEA	Food	22.7	58.0	1,830	(9.7)

Source: ICE Data Indices LLC, BofA Global Research



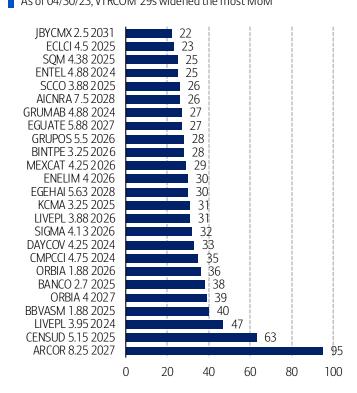
Exhibit 40: LatAm: top spread performers (MoM bps OAS change) As of 04/30/23, CEMEX'27s tightened the most MoM



Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 41: LatAm: worst spread performers (MoM bps OAS chg.) As of 04/30/23, VTRCOM'29s widened the most MoM

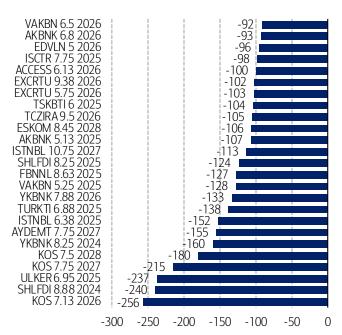


Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 42: EEMEA: top spread performers (MoM bps OAS change)

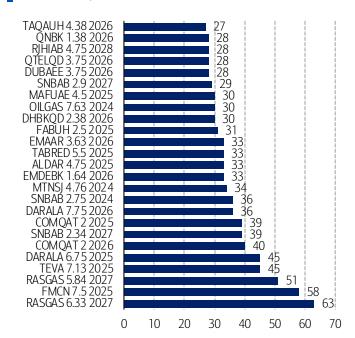
As of 04/30/23, most of top performers were short-dated notes



Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 43: EEMEA: worst spread performers (MoM bps OAS chg.) As of 04/30/23, FABUH'50s widened the most MoM

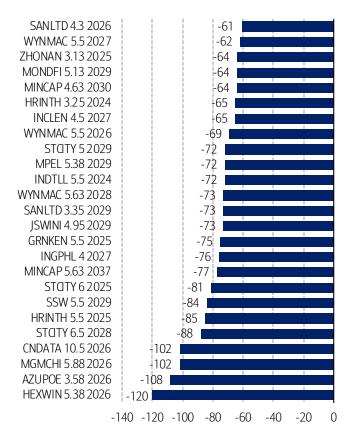


Source: ICE Data Indices, LLC, BofA Global Research



Exhibit 44: Asia: top spread performers (MoM bps OAS change

As of 04/30/23, all top performers were short-dated bonds

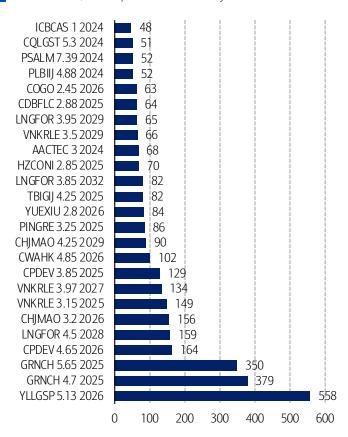


Source: ICE Data Indices, LLC, BofA Global Research.

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Exhibit 45: Asia: worst spread performers (MoM bps OAS change)

As of 04/30/23, bottom performers were mostly from China Real Financials



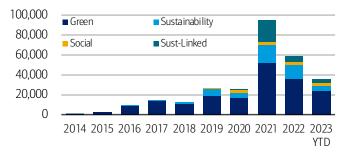
Source: ICE Data Indices, LLC, BofA Global Research.



Labeled bond issuance in Emerging Markets

Exhibit 46: Labeled bond issuance began in 2014*

As of 7/31/2023, YTD labeled bond issuance reached US\$36.2bn



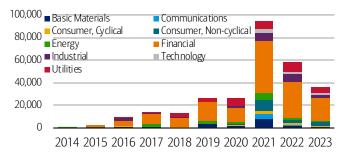
Source: BofA Global Research, Bloomberg

*Figures include USD/EUR issuance of min. \$100mn from EM corporates and financials

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Exhibit 48: Financials represents 56% of labeled bonds* YTD

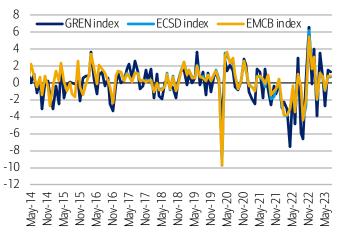
Financials are followed by Utilities (15%) and Consumers (11%)



Source: BofA Global Research, Bloomberg

*Figures include USD/EUR issuance of min. \$100mn from EM corporates and financials BofA GLOBAL RESEARCH

Exhibit 50: ECSD index follows closely GREN index and EMCB index TRR% 1mo in USD

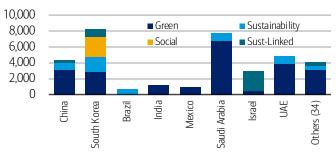


Source: ICE Data Indices, LLC, BofA Global Research

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Exhibit 47: YTD issuance by country*

Asia and CEEMEA lead YTD labeled bond issuance



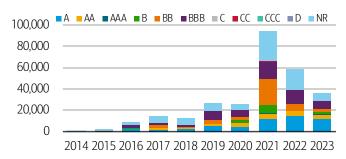
Source: BofA Global Research, Bloomberg

*Figures include USD/EUR issuance of min. \$100mn from EM corporates and financials

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Exhibit 49: IG issuers represented ~50% of issuance since 2019

As of July 31st, IG represents 65% of labeled bond issuance



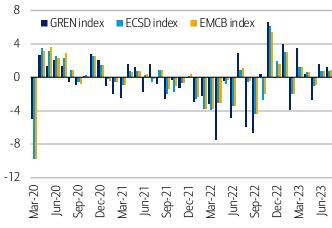
Source: BofA Global Research, Bloomberg

*Figures include USD/EUR issuance of min. \$100mn from EM corporates and financials

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Exhibit 51: GREN index posted +1.2% TRR in Jul'23 (vs. +1.6n% in Jun'22) while ECSD and EMCB Index posted TRR% of +0.7% and +0.8%, respectively

TRR% 1mo in USD



Source: ICE Data Indices, LLC, BofA Global Research

Exhibit 52: YTD Labeled Bond Issuance List of Labeled EM Corporate Bonds Issued YTD

		Issue	Country	,	Amount				
Issuer Name	Ticker	date	of Risk		MM	Cpn	Maturity	Currency	Туре
Export-Import Bank of Korea	EIBKOR	1/11/2023	KR	Government	1,000	5.13	1/11/2033	USD	Green bond
Export-Import Bank of India	EXIMBK	1/18/2023	IN	Government	1,000	5.50	1/18/2033	USD	Sustainability bond
Airport Authority		1/12/2023	HK	Government	1,000	4.75	1/12/2028	USD	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	750	3.88	1/11/2025	EUR	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	500	3.88	1/11/2030	EUR	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	500	5.25	1/11/2053	USD	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	1,000	4.50	1/11/2028	USD	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	500	4.38	1/11/2026	USD	Green bond
Hong Kong Government International Bond		1/11/2023	HK	Government	1,000	4.63	1/11/2033	USD	Green bond
SK Hynix Inc		1/17/2023	KR	Technology	750	6.50	1/17/2033	USD	Green bond
SK Hynix Inc		1/17/2023	KR	Technology	1,000	6.38	1/17/2028	USD	Sust-Link bond
Industrial & Commercial Bank of China Ltd/Dubai DIFC Industrial & Commercial Bank of China Ltd/Hong Kong		1/19/2023 1/19/2023	CN CN	Financial Financial	600 900	6.23 4.50	1/19/2026 1/19/2026	USD USD	Green bond Green bond
Israel Government International Bond		1/17/2023	IL	Government	2,000	4.50	1/17/2033	USD	Green bond
Liberty Costa Rica Senior Secured Finance		1/26/2023	CR	Communications	400	10.88		USD	Sust-Link bond
Bank Leumi Le-Israel BM		1/18/2023	IL	Financial	500	7.13	7/18/2033	USD	Green bond
Philippine Government International Bond		1/17/2023	PH	Government	1,250	5.50	1/17/2048		Sustainability bond
Raiffeisenbank AS		1/17/2023	CZ	Financial	500	7.13	1/19/2026		Sustainability bond
Slovenia Government Bond		1/11/2023	SI	Government	1,250	3.63	3/11/2033		Sustainability bond
Sunny Optical Technology Group Co Ltd		1/17/2023	CN	Industrial	400	5.95	7/17/2026	USD	Sust-Link bond
Woori Bank		1/26/2023	KR	Financial	600	4.88	1/26/2028		Sustainability bond
DIB Sukuk Ltd		2/16/2023	ΑE	Financial	1,000	4.80	8/16/2028		Sustainability bond
Korea Housing Finance Corp		2/24/2023	KR	Government	300	4.63	2/24/2033	USD	Social bond
Korea Housing Finance Corp	KHFC	2/24/2023	KR	Government	1,000	4.63	2/24/2028	USD	Social bond
Gaci First Investment Co	PIFKSA	2/14/2023	SA	Financial	1,750	5.13	2/14/2053	USD	Green bond
Gaci First Investment Co	PIFKSA	2/14/2023	SA	Financial	2,000	4.88	2/14/2035	USD	Green bond
Gaci First Investment Co	PIFKSA	2/14/2023	SA	Financial	1,750	4.75	2/14/2030	USD	Green bond
Finance Department Government of Sharjah	SHJGOV	2/23/2023	ΑE	Government	1,000	6.50	11/23/2032	USD	Sustainability bond
Tatra Banka as	TATSK	2/17/2023	SK	Financial	300	5.95	2/17/2026	EUR	Green bond
Cemex SAB de CV		3/14/2023	MX	Industrial	1,000		#N/A Field Not Applicable	USD	Green bond
Teva Pharmaceutical Finance Netherlands II BV	TEVA	3/9/2023	IL	Consumer, Non-cyclical		7.38	9/15/2029	EUR	Sust-Link bond
Teva Pharmaceutical Finance Netherlands III BV	TEVA	3/9/2023	IL.	Consumer, Non-cyclical		8.13	9/15/2031	USD	Sust-Link bond
Teva Pharmaceutical Finance Netherlands III BV	TEVA	3/9/2023	IL 	Consumer, Non-cyclical	600	7.88	9/15/2029	USD	Sust-Link bond
Teva Pharmaceutical Finance Netherlands II BV	TEVA	3/9/2023	IL.	Consumer, Non-cyclical	500	7.88	9/15/2031	EUR	Sust-Link bond
Banco do Brasil SA/Cayman		4/18/2023	BR	Financial	750	6.25	4/18/2030	USD	Sustainability bond
Guoneng Environmental Protection Investment Group Co L Korea Housing Finance Corp			CN KR	Financial Government	210 650	6.00 3.71	4/17/2024	USD EUR	Green bond Social bond
Mexico Government International Bond		4/11/2023 4/28/2023	MX	Government	2,941	6.34	4/11/2027 5/4/2053		Sustainability bond
Pertamina Geothermal Energy PT		4/27/2023	ID	Utilities	400	5.15	4/27/2028	USD	Green bond
REC Ltd	,	4/11/2023	IN	Financial	750	5.63	4/11/2028	USD	Green bond
AL Rajhi Sukuk Ltd	RIHIAB	4/5/2023	SA	Financial	1,000	4.75	4/5/2028		Sustainability bond
Diamond II Ltd	,	4/28/2023	IN	Utilities	400	7.95	7/28/2026	USD	Green bond
Saudi Electricity Sukuk Programme Co		4/11/2023	SA	Utilities	1,200	4.63	4/11/2033	USD	Green bond
Shinhan Bank Co Ltd		4/12/2023	KR	Financial	500	4.50	4/12/2028	USD	Social bond
Shangrao Investment Holdings International Co Ltd		4/17/2023	CN	Industrial	120	7.90	4/17/2026		Sustainability bond
Abu Dhabi National Energy Co PJSC	TAQAUH	4/24/2023	ΑE	Utilities	1,000	4.70	4/24/2033	USD	Green bond
Türkiye Government International Bond	TURKEY	4/13/2023	TR	Government	2,500	9.13	7/13/2030	USD	Green bond
Aldar Investment Properties Sukuk Ltd	ALDAR	5/24/2023	ΑE	Financial	500	4.88	5/24/2033	USD	Green bond
Banca Comerciala Romana SA	BCRBK	5/19/2023	RO	Financial	700	7.63	5/19/2027	EUR	Green bond
China Construction Bank Corp/Sydney	CCB	5/31/2023	CN	Financial	500	4.50	5/31/2026	USD	Green bond
Hana Bank		5/4/2023	KR	Financial	600	3.75	5/4/2026	EUR	Social bond
Kodit Global 2023-1 Co Ltd		5/25/2023	KR	Financial	300	4.95	5/25/2026	USD	Social bond
SK On Co Ltd		5/11/2023	KR	Consumer, Cyclical	900	5.38	5/11/2026	USD	Green bond
Bacardi Ltd / Bacardi-Martini BV		6/20/2023	BM	Consumer, Non-cyclical		5.25	1/15/2029	USD	Green bond
Bank of China Ltd/New York NY		6/26/2023	CN	Financial	500	4.63	6/26/2026	USD	Green bond
Commercial Bank of Dubai PSC		6/14/2023	AE	Financial	500	5.32	6/14/2028	USD	Green bond
China Merchants Bank Co Ltd/London		6/13/2023	CN	Financial	400	5.85	6/13/2026	USD	Green bond
Inversiones CMPC SA		6/23/2023	CL	Basic Materials	500	6.13	6/23/2033	USD	Green bond
Export-Import Bank of Korea		6/7/2023	KR ^=	Government	500	3.63	6/7/2030	EUR	Green bond
First Abu Dhabi Bank PJSC		6/6/2023 6/7/2023	AE HK	Financial	600 750	4.77 3.75	6/6/2028	USD EUR	Green bond Green bond
Hong Kong Government International Bond				Government			6/7/2032 6/7/2037		
Hong Kong Government International Bond Hong Kong Government International Bond		6/7/2023 6/7/2023	HK HK	Government Government	750 500	3.38 4.25	6/7/2027 6/7/2026	EUR USD	Green bond Green bond
Horig novemment international bond	TIMINTL	0///2023	ı IIV	Oovernment	200	4.20	0///2020	USD	Green Dona



Exhibit 52: YTD Labeled Bond Issuance List of Labeled EM Corporate Bonds Issued YTD

		Issue	Country		Amount	:			
Issuer Name	Ticker	date	of Risk	Industry	MM	Cpn	Maturity	Currency	Type
Hong Kong Government International Bond	HKINTL	6/7/2023	HK	Government	1,000	4.00	6/7/2033	USD	Green bond
Hong Kong Government International Bond	HKINTL	6/7/2023	HK	Government	750	4.00	6/7/2028	USD	Green bond
Huzhou City Investment Development Group Co Ltd	HZCONI	6/6/2023	CN	Industrial	300	5.68	6/6/2026	USD	Sustainability bond
Korea Housing Finance Corp	KHFC	6/22/2023	KR	Government	100	5.22	6/20/2026	USD	Social bond
MAF Sukuk Ltd	MAFUAE	6/1/2023	ΑE	Financial	500	5.00	6/1/2033	USD	Green bond
MVM Energetika Zrt	MVMHU	6/9/2023	HU	Utilities	750	7.50	6/9/2028	USD	Green bond
Nova Ljubljanska Banka dd	NOVALJ	6/27/2023	SI	Financial	500	7.13	6/27/2027	EUR	Green bond
UniCredit Bank Czech Republic & Slovakia AS	UNICZ	6/20/2023	CZ	Financial	500	3.75	6/20/2028	EUR	Green bond
Chouzhou International Investment Ltd	YWSOAO	6/27/2023	CN	Industrial	400	5.70	6/27/2026	USD	Sustainability bond
Chile Government International Bond	CHILE	7/5/2023	CL	Government	1,650	4.95	1/5/2036	USD	Sust-Link bond
Chile Government International Bond	CHILE	7/5/2023	CL	Government	1,482	5.33	1/5/2054	USD	Sust-Link bond
Chile Government International Bond	CHILE	7/5/2023	CL	Government	750	4.13	7/5/2034	EUR	Sust-Link bond
Korea Expressway Corp	HIGHWY	7/10/2023	KR	Consumer, Non-cyclical	300	6.31	7/10/2028	USD	Sustainability bond
Hanwha Q Cells Americas Holdings Corp	HWQCUS	7/27/2023	KR	Energy	400	5.00	7/27/2028	USD	Green bond
Korea Housing Finance Corp	KHFC	7/28/2023	KR	Government	100	6.33	7/28/2028	USD	Social bond
Korea Hydro & Nuclear Power Co Ltd	KOHNPW	7/18/2023	KR	Utilities	500	5.00	7/18/2028	USD	Green bond
Korea Electric Power Corp	KORELE	7/31/2023	KR	Utilities	1,000	5.38	7/31/2026	USD	Sustainability bond
Doosan Enerbility Co Ltd	KORHIC	7/17/2023	KR	Industrial	300	5.50	7/17/2026	USD	Green bond
Masdar Abu Dhabi Future Energy Co	MASDAR	7/25/2023	ΑE	Energy	750	4.88	7/25/2033	USD	Green bond
NongHyup Bank	NACF	7/3/2023	KR	Financial	600	4.88	7/3/2028	USD	Social bond
Shinhan Financial Group Co Ltd	SHINFN	7/24/2023	KR	Financial	500	5.00	7/24/2028	USD	Social bond
Zagrebacki Holding doo	ZAGHLD	7/11/2023	HR	Utilities	305	4.90	7/11/2028	EUR	Sust-Link bond

Source: BofA Global Research, Bloomberg

New Issuance

Exhibit 53: EM Corporate and Sovereign USD/EUR New Issuance Roundup (US\$ bn)

As of 04/30/2023, EM Corporate issuance amounted US\$120.8bn in YTD 2023

US\$ billion	Global EM Corp	Asia	EEMEA	LatAm	IG	НҮ	Sov	Corp and Sov
Wk Aug 04	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.7
Wk Jul 28	2.1	1.4	0.0	0.8	1.0	0.8	0.0	2.1
Wk Jul 21	4.4	2.0	2.4	0.0	3.5	0.6	0.0	4.4
WkJul 14	3.7	1.7	1.3	0.8	2.9	0.8	0.0	3.7
MTD Jul	12.2	6.3	4.2	1.7	9.0	2.2	0.8	13.0
June	18.4	7.4	4.7	6.3	11.7	5.5	10.8	29.3
May	20.5	9.7	10.8	0.0	18.3	2.1	10.0	30.4
April	16.6	7.7	7.7	1.3	13.1	3.3	9.4	26.0
YTD 2023	141.3	65.9	54.8	20.6	111.4	25.1	103.8	245.1
YTD 2022	163.6	116.1	27.8	19.7	132.2	14.7	62.1	225.7
YTD 2021	359.4	204.7	101.5	53.3	223.1	108.8	132.5	491.8
YTD 2020	303.2	194.6	55.1	53.6	202.4	77.3	161.2	464.4
YTD 2019	286.9	191.7	57.3	38.0	163.7	100.5	108.8	395.7
Y/Y % Chg	-54.5%	-43.3%	-72.6%	-63.1%	-40.7%	-86.5%	-53.1%	-54.1%
FY 2022	203.5	140.7	39.2	23.6	161.2	15.8	100.2	303.7
FY 2021	513.5	298.1	136.2	79.2	318.1	154.8	182.2	695.6
FY 2020	492.9	315.9	102.6	74.4	325.7	131.3	236.3	729.1

Source: BofA Global Research, Bloomberg *IG + HY does not include no rated bonds

BofA GLOBAL RESEARCH

Exhibit 54: YTD EM New Issuance (USD + EUR), in the last 150 days

New Issuance strong in Korea and GCC, with signs of revival in LatAm in June / July

Date	Name	Ticker	Coupon	Maturity	Crncy	Rating	Country	Region	Category	Price	Par	Book Multiple
6/28/2023	ECOPETROL SA	ECOPET	8.63	2029	USD	BB	COLOMBIA	Latam	Corporate	100.0	1,200	
6/28/2023	ECOPETROL SA	ECOPET	8.88	2033	USD	BB	COLOMBIA	Latam	Corporate	99.2	300	
6/27/2023	ENERGIAN ISRAEL FINANCE	ENOIGA	8.50	2033	USD	BB	ISRAEL	EEMEA	Corporate	100.0	750	
6/27/2023	LUSO INTL BANKING	KORGAS	7.20	2033	USD	NR	CHINA	ASIA	Financial	100.0	350	1.8
6/27/2023	KOREA GAS CORP	KORGAS	4.88	2028	USD	AA	KOREA	ASIA	Corporate	99.8	500	3.2
6/26/2023	KOREA EXPRESSWAY CORP	HIGHWY	SOFR+103	2028	USD	AA	KOREA	ASIA	Corporate	100.0	300	
6/26/2023	LICHENG INTL DEVELOPMENT	JNLCHG	7.30	2026	USD	NR	CHINA	ASIA	Corporate	100.0	130	
6/26/2023	ZHENGJIN FIN INTER BVI	JNSZFI	7.20	2024	USD	NR	CHINA	ASIA	Muni/Local Gov't	100.0	150	
6/26/2023	NONGHYUP BANK	NACF	4.88	2028	USD	Α	KOREA	ASIA	Financial	99.7	600	4.2
6/26/2023	PETROBRAS GLOBAL FINANCE	PETBRA	6.50	2033	USD	BB	BRAZIL	Latam	Corporate	99.1	1,250	
6/22/2023	BBVA BANCOMER SA TEXAS	BBVASM	8.45	2038	USD	BB	MEXICO	Latam	Financial	100.0	1,000	
6/22/2023	COSAN LUXEMBOURG SA	CSANBZ	7.50	2030	USD	BB	BRAZIL	Latam	Corporate	100.0	550	
6/22/2023	NOVA KREDITNA BANKA MARI	NOVAKR	7.38	2029	EUR	BBB	SLOVENIA	EEMEA	Financial	100.0	438	3.3
6/21/2023	CESKA SPORITELNA AS	CESSPO	5.94	2027	EUR	Α	CZECH REPUBLIC	EEMEA	Financial	100.0	550	2.6
6/21/2023	HYUNDAI CAPITAL AMERICA	HYNMTR	5.80	2025	USD	BBB	KOREA	ASIA	Financial	99.9	750	5.0
6/21/2023	HYUNDAI CAPITAL AMERICA	HYNMTR	5.65	2026	USD	BBB	KOREA	ASIA	Financial	99.8	750	
6/21/2023	HYUNDAI CAPITAL AMERICA	HYNMTR	5.68	2028	USD	BBB	KOREA	ASIA	Financial	99.7	1,000	3.5
6/21/2023	HYUNDAI CAPITAL AMERICA	HYNMTR	5.70	2030	USD	BBB	KOREA	ASIA	Financial	99.9	500	4.9
6/21/2023	PEU FIN LTD	PEPGRP	7.25	2028	EUR	BB	POLAND	EEMEA	Corporate	100.0	412	
6/20/2023	INVERSIONES CMPC SA	CMPCCI	6.13	2033	USD	BBB	CHILE	Latam	Corporate	100.0	500	7.4
6/20/2023	SK BROADBAND CO LTD	HATELE	4.88	2028	USD	Α	KOREA	ASIA	Corporate	99.3	300	16.3
6/20/2023	NOVA LJUBLJANSKA BANKA D	NOVALJ	7.13	2027	EUR	BBB	SLOVENIA	EEMEA	Financial	100.0	546	
6/20/2023	CHOUZHOU INTL INV LTD	YWSOAO	5.70	2026	USD	BBB	CHINA	ASIA	Muni/Local Gov't	100.0	400	
6/16/2023	JINJIANG ROAD & BRIDGE	JJUCID	6.08	2024	USD	NR	CHINA	ASIA	Muni/Local Gov't		17	
6/15/2023	BANK OF CHINA/NEW YORK	BCHINA	4.63	2026	USD	Α	CHINA	ASIA	Financial	100.0	500	
6/14/2023	JINJIANG ROAD & BRIDGE	JJUCID	6.08	2024	USD	NR	CHINA	ASIA	Muni/Local Gov't	100.0	125	
	HEALTH AND HAPPINESS H&H	BTSDF	13.50	2026	USD	BB	HONG KONG	ASIA	Corporate	97.0	58	
6/13/2023	UNICREDIT BANK CZECH RE	UNICZ	3.75	2028	EUR	AA	CZECH REPUBLIC	EEMEA	Financial	99.6	539	2.0
6/7/2023	COMMERCIAL BANK OF DUBAI	CBDUH	5.32	2028	USD	BBB	DUBAI (UAE)	EEMEA	Financial	100.0	500	
6/7/2023	ENOC SUKUK LTD	ENOCSU	SOFR+155	2030	USD	NR	UNITED ARAB EMIRATES	EEMEA	Corporate	100.0	250	
6/7/2023	VALE OVERSEAS LIMITED	VALEBZ	6.13	2033	USD	BBB	BRAZIL	Latam	Corporate	99.1	1,500	
6/6/2023	CHINA MERCHANTS BANK/LN	CHINAM	SOFR+65	2026	USD	Α	CHINA	ASIA	Financial	100.0	400	4.0

Exhibit 54: YTD EM New Issuance (USD + EUR), in the last 150 days New Issuance strong in Korea and GCC, with signs of revival in LatAm in June / July

Date	Name	Ticker	Coupon	Maturity	Crncy	Rating	Country	Region	Category	Price	Par	Book Multiple
6/6/2023	ZHEJIANG BOXIN BVI	ZJBOXV	5.90	2024	USD	BBB	CHINA	ASIA	Corporate	100.0	200	
6/6/2023	ZHONGTAI INTL FIN BVI	ZTSECB	6.70	2025	USD	BBB	CHINA	ASIA	Financial	100.0		
6/5/2023	XINGCHANG INTL CO LTD	XCHINC	6.95	2026	USD	NR	CHINA	ASIA	Muni/Local Gov't		160	
6/1/2023	MVM ENERGETIKA ZRT	MVMHU	7.50	2028	USD	BBB	HUNGARY		Corporate	99.3	750	2.4
	LUMINOR BANK	LUMINO	7.75	2027	EUR	BBB	ESTONIA	EEMEA	Financial	100.0		1.0
	EXPORT-IMPORT BANK KOREA	EIBKOR	3.50	2026	EUR	AA	KOREA	ASIA	Agency	99.7	912	1.8
	EXPORT-IMPORT BANK KOREA	EIBKOR	4.63	2033	USD	AA	KOREA	ASIA	Agency	100.0		4.4
	EXPORT-IMPORT BANK KOREA	EIBKOR	3.63	2030	EUR	AA	KOREA	ASIA	Agency	99.3 100.0	537	1.8
	FIRST ABU DHABI BANK PJS	Fabuh Hzconi	4.77	2028	USD	AA	UAE CHINA		Financial Corporate			2.7
	HUZHOU CITY INV DEV GP RAIFFEISEN BANK DD	RBACRO	5.68 7.88	2026 2027	USD EUR	BBB BBB	CROATIA	ASIA	Financial	100.0 100.0		3.7
	KHAZANAH GLOBAL SUKUK	KNBZMK	4.69	2027	USD	А	MALAYSIA	ASIA	Financial	100.0		6.5
	KHAZANAH CAPITAL LTD	KNBZMK	4.88	2033	USD	A	MALAYSIA	ASIA	Financial	100.0		7.9
	HUNGARIAN DEVELOPMENT BA	MAGYAR	6.50	2028	USD	BBB	HUNGARY	EEMEA		98.9		7.5
	BANQUE SAUDI FRANSI	BSFR	4.75	2028	USD	А	SAUDI ARABIA		Financial	99.7	900	2.8
	CHN CONSTRUCT BK/SYDNEY	CCB	4.50	2026	USD	Α	CHINA	ASIA	Financial	99.8	500	3.8
	NOT APPLICABLE	MAFUAE	5.00	2033	USD	BBB	DUBAI (UAE)		Corporate	99.0	500	5.0
	ALDAR INVESTMENT PROPERT	ALDAR	4.88	2033	USD	BBB	UAE	EEMEA	Corporate	98.7	500	4.4
	FIRST QUANTUM MINERALS L	FMCN	8.63	2031	USD	В	ZAMBIA		Corporate	100.0		
	KODIT GLOBAL 2023-1 LTD	KOCRGF	4.95	2026	USD	AA	KOREA	ASIA	Muni/Local Gov't		300	8.7
	NOGAHOLDING SUKUK	OILGAS	6.63	2033	USD	В	BAHRAIN			100.0	750	5.0
5/17/2023	OTP BANK NYRT	OTPHB	7.50	2027	USD	BBB	HUNGARY	EEMEA	Financial	100.0	500	
5/16/2023	BOC AVIATION LTD	BOCAVI	4.50	2028	USD	Α	SINGAPORE	ASIA	Corporate	99.4	500	5.0
5/16/2023	KOREA DEVELOPMENT BANK	KDB	3.38	2028	EUR	AA	KOREA	ASIA	Agency	99.8	815	
5/16/2023	THI CAPITAL CO	SDEXPR	5.10	2026	USD	Α	CHINA	ASIA	Corporate	100.0	300	
5/16/2023	STE TRANSCORE	STESP	4.13	2026	USD	AAA	SINGAPORE	ASIA	Corporate	99.7	500	1.5
5/15/2023	BANK GOSPODARSTWA KRAJOW	BGOSK	5.38	2033	USD	Α	POLAND	EEMEA	Agency	99.8	1,750	3.4
	XIXIAN NEW AREA AIRPORT	XXKGDC	7.80	2026	USD	NR	CHINA	ASIA	Muni/Local Gov't	100.0	41	
5/11/2023	BANCA COMERCIALA ROMANA	BCRBK	7.63	2027	EUR	BBB	ROMANIA	EEMEA	Financial	100.0		2.5
	MDGH GMTN RSC LTD	MUBAUH	4.38	2033	USD	AA	UAE	EEMEA	Agency		1,000	
	MDGH GMTN RSC LTD	MUBAUH	5.08	2053	USD	AA	UAE	EEMEA	Agency	100.0		
	XIXIAN NEW AREA AIRPORT	XXKGDC	6.20	2026	USD	NR	CHINA	ASIA	Muni/Local Gov't		50	2.5
5/9/2023	BAYFRONT INFRA MGMT LTD	BAYFIM	4.26	2026	USD	AAA	SINGAPORE	ASIA	Financial	100.0	500	3.5
5/9/2023	EXPORT-IMPORT BANK CHINA	EXIMCH	3.88	2026	USD	Α	CHINA	ASIA	Agency		1,500	F 0
5/2/2023	SKON COLTD	SKONKR	5.38	2026	USD	AA	KOREA	ASIA	Corporate	99.9	900	5.8
	STATE BANK INDIA/LONDON	SBIIN	4.88	2028	USD	BBB	INDIA	ASIA	Financial	99.7	750	3.9
	EMPRESA NACIONAL DEL PET HANA BANK	ENAPCL KEBHNB	6.15 3.75	2033 2026	USD EUR	BBB AAA	CHILE KOREA	Latam ASIA	Corporate Financial	99.7 99.9	500 663	1.3
4/26/2023		KRUKSA	0.00	2028	EUR	BB	POLAND		Financial	100.0	166	1.3
	MAGYAR EXPORT-IMPORT BAN	MAEXIM	6.13	2028	USD	BBB	HUNGARY		Financial	99.2		
	SASOL FINANCING USA LLC	SASOL	8.75	2027	USD	BB	SOUTH AFRICA		Corporate	100.0	,	
	BOC AVIATION USA CORP	BOCAVI	4.88	2023	USD	А	SINGAPORE	ASIA	Corporate	98.9	500	9.2
	KOREA OCEAN BUSINESS CO	KOBCOP	4.50	2028	USD	AA	KOREA	ASIA	Financial	99.0	300	9.7
	BANCA TRANSILVANIA	TVLRO	8.88	2027	EUR	BB	ROMANIA		Financial	99.7	555	5.7
	PERTAMINA GEOTHERMAL ENE	PGEOIJ	5.15	2028	USD	BBB	INDONESIA	ASIA	Corporate	100.0		
	MAURITIUS COMMERCIAL BAN	MCBMP	7.95	2028	USD	BBB	MAURITIUS		Financial	100.0		
	DIAMOND II LTD	RNW	7.95	2026	USD	BB	INDIA	ASIA	Corporate	99.4		2.3
4/18/2023	CK HUTCHISON INTL 23	CKHH	4.75	2028	USD	Α	HONG KONG	ASIA	Corporate	99.8	1,250	5.0
4/18/2023	CK HUTCHISON INTL 23	CKHH	4.88	2033	USD	Α	HONG KONG	ASIA	Corporate	99.5	1,250	5.1
4/18/2023	ALPHA STAR HLD VII	DAMACR	7.75	2026	USD	BB	DUBAI (UAE)	EEMEA	Corporate	100.0	400	2.9
4/17/2023	KOOKMIN BANK	CITNAT	4.63	2028	USD	AA	KOREA	ASIA	Financial	99.9	500	3.0
4/17/2023	ABU DHABI NATIONAL ENERG	TAQAUH	4.38	2029	USD	AA	UAE	EEMEA	Corporate	99.4	500	11.3
4/17/2023	ABU DHABI NATIONAL ENERG	TAQAUH	4.70	2033	USD	AA	UAE	EEMEA	Corporate	100.0	1,000	7.3
4/14/2023	GUONENG ENV PRTCT INV	GUOENV	6.00	2024	USD	NR	CHINA	ASIA	Corporate	100.0	210	
	SUMMER SPRING PRO LTD	CHAECO	5.50	2024	EUR	NR	CHINA	ASIA	Corporate	100.0		
	SHANGRAO INV HLDG INTL	SHRIHG	7.90	2026	USD	BBB	CHINA	ASIA	Corporate	100.0		
	BANCO DO BRASIL (CAYMAN)	BANBRA	6.25	2030	USD	BB	BRAZIL	Latam	Financial	98.6		
4/4/2023	VSEOBECNA UVEROVA BANKA	VUBSK	3.50	2026	EUR	AA	SLOVAK REPUBLIC		Financial	99.3	548	1.4
4/3/2023	REC LTD	RECLIN	5.63	2028	USD	BBB	INDIA	ASIA	Financial	99.9		3.2
4/3/2023	SAUDI ELECTRICITY SUKUK	SECO	4.63	2033	USD	A	SAUDI ARABIA		Corporate	100.0		7.7
4/3/2023	SAUDI ELECTRICITY SUKUK	SECO	5.68	2053	USD	A	SAUDI ARABIA		Corporate	100.0		7.8
4/3/2023	SHINHAN BANK	SHNHAN	4.50	2028	USD	A	KOREA	ASIA	Financial	99.6		5.0
	JIANGSU FUXUAN INDUSTRIA	JIAFUX	4.60	2026	EUR	NR	CHINA	ASIA	Corporate	100.0		
3/30/2023	KOREA HOUSING FINANCE CO	KHFC	3.71	2027	EUR	AAA	KOREA	ASIA	Agency	100.0	545	



Exhibit 54: YTD EM New Issuance (USD + EUR), in the last 150 days New Issuance strong in Korea and GCC, with signs of revival in LatAm in June / July

Date	Name	Ticker	Coupon	Maturity	Crncv	Rating	Country	Region	Category	Price	Par	Book Multiple
	CHENGDU AERO CITY DEV	SHLTIG	6.90	2026	USD	BB	CHINA	ASIA	Muni/Local Gov't		175	book Multiple
	KOREAREHABNRESOURCE	KOMRMR		2028	USD	Α	KOREA	ASIA	Corporate	99.2	500	6.0
3/29/2023	AL RAJHI SUKUK LTD	RJHIAB	4.75	2028	USD	Α	SAUDI ARABIA	EEMEA	Financial	99.9	1,000	3.8
	AIA GROUP LTD	AIA	4.95	2033	USD	Α	HONG KONG	ASIA	Corporate	99.6	600	
	BANK MANDIRI PT	BMRIIJ	5.50	2026	USD	BBB	INDONESIA	ASIA	Financial	99.6	300	10.3
	HYUNDAI CAPITAL AMERICA	HYNMTR	5.50	2026	USD	BBB	KOREA	ASIA	Financial		1,200	
	HYUNDAI CAPITAL AMERICA HYUNDAI CAPITAL AMERICA	HYNMTR HYNMTR	5.60 5.80	2028 2030	USD USD	BBB BBB	KOREA KOREA	asia Asia	Financial Financial	99.7 99.6	800 500	
	KOREA NATIONAL OIL CORP	KOROIL	3.80 4.75	2026	USD	AA	KOREA	ASIA	Corporate	99.5	550	5.3
	KOREA NATIONAL OIL CORP	KOROIL	4.88	2028	USD	AA	KOREA	ASIA	Corporate	99.8	450	8.7
	WUXING IND INVESTMENT	WUXING	6.20	2024	EUR	NR	CHINA	ASIA	Muni/Local Gov't			
	LONGNAN TOURISM	LTDIGC	6.70	2026	USD	NR	CHINA	ASIA	Muni/Local Gov't	100.0	60	
3/22/2023	QNB FINANCE LTD	QNBK	SOFR+162	2030	USD	Α	QATAR	EEMEA	Financial	100.0	200	
	DDPC WORLDWIDE PTE LTD	DDPM	7.25	2025	USD	NR	PHILIPPINES	ASIA	Corporate	98.4	20	
	ZHANGZHOU TRANS DVLP CO	ZZTRAN	6.28	2024	USD	NR	CHINA	ASIA	Muni/Local Gov't			
	SHENGZHOU INV HLD	SHEZHO EBIUH	6.50 SOFR+125	2026 2028	USD USD	NR NR	CHINA DUBAI (UAE)	asia Eemea	Muni/Local Gov't Financial	100.0		
3/9/2023	EMIRATES NBD BANK PJSC CEMEX SAB DE CV	CEMEX	9.13	Perp	USD	В	MEXICO	Latam	Corporate	100.0		
3/9/2023	YC DF HAICHENG IND DEV	YDHIDC	4.60	2026	EUR	NR	CHINA	ASIA	Muni/Local Gov't		25	
3/8/2023	BANK OF EAST ASIA LTD	BNKEA	6.75	2027	USD	BBB	HONG KONG	ASIA	Financial	99.8	500	4.6
3/8/2023	BOS FUNDING LTD	BOSUH	7.00	2028	USD	BBB	SHARJAH (UAE)	EEMEA	Financial	99.5	500	2.0
3/7/2023	ISDB TRUST NO 2	ISDB	4.60	2028	USD	AAA	CEEMEA MULTINATIONAL	EEMEA	Agency	100.0	2,000	1.1
3/7/2023	JINJIANG ROAD & BRIDGE	JJUCID	6.68	2024	USD	NR	CHINA	ASIA	Muni/Local Gov't			
3/2/2023	CHINA TAIPING INSURANCE	CTIH	6.40	Perp	USD	BBB	HONG KONG	ASIA	Financial	100.0	,	
3/1/2023	SID BANKA EXPORT AND DEV	SEDABI	4.03	2030	EUR	NR	SLOVENIA	EEMEA	Financial	100.0		
3/1/2023	TEVA PHARMACEUTICALS NE	TEVA	7.88	2029	USD	BB	ISRAEL	EEMEA	Corporate	100.0		
3/1/2023 3/1/2023	TEVA PHARMACEUTICALS NE TEVA PHARM FNC NL II	TEVA TEVA	8.13 7.38	2031 2029	USD EUR	BB BB	ISRAEL ISRAEL	EEMEA	Corporate Corporate	100.0 100.0		
3/1/2023	TEVA PHARM FNC NL II	TEVA	7.88	2023	EUR	BB	ISRAEL	EEMEA	Corporate	100.0		
	CORP ANDINA DE FOMENTO	CAF	4.50	2028	EUR	AA	LATAM MULTINATIONAL	Latam	Agency		1,058	2.3
2/28/2023	SHUANGLONG AIRPORT	GZSLAI	7.00	2026	USD	NR	CHINA	ASIA	Corporate	100.0	6	
2/28/2023	KASIKORNBANK PCL HK	KBANK	5.46	2028	USD	BBB	THAILAND	ASIA	Financial	100.0	600	4.2
	NANYANG COMMERCIAL BANK	NANYAN	7.35	Perp	USD	BB	HONG KONG	ASIA	Financial	100.0		
	SHUANGLONG AIRPORT	GZSLAI	7.00	2026	USD	NR	CHINA	ASIA	Corporate	100.0	13	
	CHINA EVERBRIGHT BANK/HK	CHEVBK	4.99	2026	USD	BBB	CHINA	ASIA	Financial	100.0		2.0
	HDFC BANK/GANDHINAGAR CICC HK FINANCE 2016 MTN	HDFCB CICCHK	5.69 5.49	2026 2026	USD USD	BBB BBB	india China	asia Asia	Financial Financial	100.0 100.0		2.8 2.0
	BK OF COMMUNICATIONS/HK	BOCOM	4.88	2026	USD	А	CHINA	ASIA	Financial	99.7	600	2.0
	GZ URBAN INVEST HDNG GP	GZUIHG	7.70	2026	USD	BBB	CHINA	ASIA	Corporate	100.0		
	GZ URBAN INVEST HDNG GP	GZUIHG	5.90	2026	USD	NR	CHINA	ASIA	Corporate	100.0	62	
2/21/2023	HONG KONG JY FLOWER	KNMIDI	9.80	2025	USD	NR	CHINA	ASIA	Corporate	100.0	220	
	SHANGHAI COMMERCIAL BANK	SHCMBK	6.38	2033	USD	BBB	HONG KONG	ASIA	Financial	99.4	350	4.0
	GTMA INT LTD	GTMAIL	7.00	2026	USD	NR	CHINA	ASIA	Agency	100.0	47	
	GTMA INT LTD	GTMAIL	6.80	2026	USD	NR	CHINA	ASIA	Agency	100.0	50	
	GAOYOU CONST INV DEV BVI KOREA HOUSING FINANCE CO	GYCONS KHFC	4.60 4.63	2026 2028	EUR USD	NR AA	CHINA KOREA	asia Asia	Muni/Local Gov't Agency		80 1,000	3.3
	KOREA HOUSING FINANCE CO	KHFC	4.63	2033	USD	AA	KOREA	ASIA	Agency	99.3	300	7.7
	BANK GOSPODARSTWA KRAJOW	BGOSK	5.13	2033	EUR	Α	POLAND	EEMEA		98.8	802	2.8
	CHINDATA GROUP HLDS LTD	CNDATA	10.88	2026	USD	BBB	CHINA	ASIA	Corporate	99.1	300	
2/15/2023	QNB FINANCE LTD	QNBK	5.50	2024	USD	Α	TURKEY	EEMEA	Financial	100.0	40	
	ARADA SUKUK LTD	ARADAD	8.13	2027	USD	В	UNITED ARAB EMIRATES		Corporate	98.7	50	
	HUANTAIHU INTL INV CO LT	HEDGCN	7.30	2026	USD	NR	CHINA	ASIA	Muni/Local Gov't			
	ZHEJIANG ANJI CONSTRUCT	ZHJNGC	5.50	2024	EUR	NR	CHINA	ASIA	Muni/Local Gov't			
2/9/2023 2/9/2023	DIB SUKUK LTD TMS ISSUER SARL	DIBUH GRPIBI	4.80 5.78	2028 2032	USD USD	A A	UNITED ARAB EMIRATES SAUDI ARABIA		Financial Corporate	100.0 100.0		
2/9/2023	GREENSAIF PIPELINES BIDC	GRPIBI	6.13	2032	USD	A	SAUDI ARABIA		Corporate	100.0		
2/9/2023	GREENSAIF PIPELINES BIDC	GRPIBI	6.51	2042	USD	Α	SAUDI ARABIA		Corporate	100.0		
2/9/2023	TATRA BANKA AS	TATSK	5.95	2026	EUR	Α	SLOVAK REPUBLIC		Financial	100.0		5.7
2/8/2023	BRASKEM NETHERLANDS	BRASKM	7.25	2033	USD	BBB	BRAZIL	Latam	Corporate	100.0		
2/8/2023	KOREA DEVELOPMENT BANK	KDB	4.38	2028	USD	AA	KOREA	ASIA	Agency		1,000	
2/8/2023	KOREA DEVELOPMENT BANK	KDB	4.38	2033	USD	AA	KOREA	ASIA	Agency	99.2		0.5
2/8/2023	OTP BANK NYRT	OTPHB	8.75	2033	USD	BB	HUNGARY		Financial	99.4		2.0
2/8/2023 2/8/2023	TEMASEK FINANCIAL I LTD TEMASEK FINANCIAL I LTD	TEMASE TEMASE	3.25 3.50	2027 2033	EUR EUR	AAA AAA	SINGAPORE SINGAPORE	asia Asia	Agency	100.0 99.7		
2/0/2023	TEIVIASEN FINANCIAL LETU	ILIVIASE	2.30	2033	LUK	AAA	JINUAFUNL	AJIA	Agency	JJ./	004	



Exhibit 54: YTD EM New Issuance (USD + EUR), in the last 150 days New Issuance strong in Korea and GCC, with signs of revival in LatAm in June / July

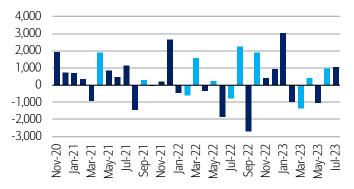
Date	Name	Ticker	Coupon	Maturity	Crncy	Rating	Country	Region	Category	Price	Par	Book Multiple
2/8/2023	UNICREDIT BANK CZECH RE	UNICZ	3.63	2026	EUR	AA	CZECH REPUBLIC	EEMEA	Financial	99.7	536	4.8
2/7/2023	GACI FIRST INVESTMENT	PIFKSA	4.75	2030	USD	Α	SAUDI ARABIA	EEMEA	Agency	98.9	1,750	8.7
2/7/2023	GACI FIRST INVESTMENT	PIFKSA	4.88	2035	USD	Α	SAUDI ARABIA	EEMEA	Agency	97.7	2,000	4.9
2/7/2023	GACI FIRST INVESTMENT	PIFKSA	5.13	2053	USD	Α	SAUDI ARABIA	EEMEA	Agency	93.3	1,750	4.3
2/6/2023	WANDA PROPERTIES GLOBA	DALWAN	0.11	2026	USD	BB	CHINA	ASIA	Corporate	96.6	300	
1/31/2023	CENTRAL AMERICAN BANK	CABEI	5.00	2026	USD	AA	LATAM MULTINATIONAL	Latam	Agency	100.0	1,250	1.9
1/31/2023	CEC BANK SA	CECBAK	7.50	2028	EUR	NR	ROMANIA	EEMEA	Financial	100.0	130	1.0
1/31/2023	PETROLEOS MEXICANOS	PEMEX	10.00	2033	USD	BB	MEXICO	Latam	Corporate	97.7	2,000	
7/6/2022	CORP ANDINA DE FOMENTO	CAF	2.38	2027	EUR	AA	LATAM MULTINATIONAL	Latam	Agency	99.7	509	1.6
7/5/2022	GUANGXI COMM INVEST GR	GXCMIN	3.95	2025	USD	BBB	CHINA	ASIA	Muni/Local Gov't	99.6	300	
7/5/2022	KOREA GAS CORP	KORGAS	3.88	2027	USD	AA	KOREA	ASIA	Corporate	99.5	500	3.2
7/5/2022	OTP BANK NYRT	OTPHB	5.50	2025	EUR	BBB	HUNGARY	EEMEA	Financial	100.0	411	

Source: BofA Global Research, Bloomberg

Fund Flows

Exhibit 55: Monthly flows to EM EXD ETFs (US\$ mn)

As of 07/31/23, ETFS had an inflow of US\$2.06bn YTD

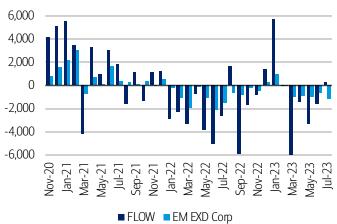


Source: BofA Global Research, EPFR Global.

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Exhibit 57: Monthly Flows to EM External Debt Funds (US\$ mn)

As of 07/26/23, FLOW reported inflow of US\$ 280mn (MTD)

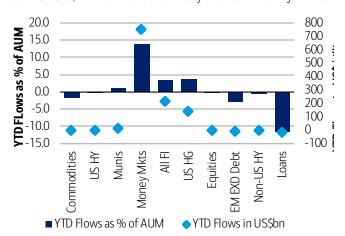


Source: BofA Global Research, EPFR Global.

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Exhibit 59: 2023 YTD Fund Flows (% of AUM LHS) and US\$ bn (RHS)

As of 07/26/23, YTD fund flows are virtually allocated in money markets

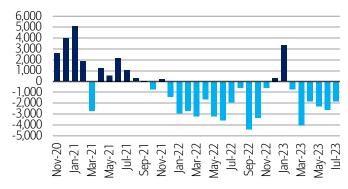


Source: BofA Global Research, EPFR Global.

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Exhibit 56: Monthly flows to EM EXD mutual funds (US\$ mn)

As of 07/31/23, Mutual funds had outflow of US\$9.89bn YTD

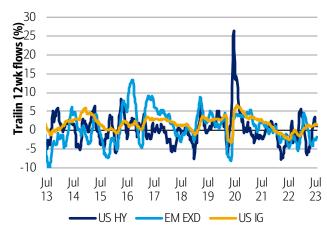


Source: BofA Global Research, EPFR Global

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Exhibit 58: Trailing 12wk Fund Flows as % of AUM

As of 07/26/23, US IG fund flows has the highest trailing in 12wk



Source: BofA Global Research, EPFR Global

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Exhibit 60: YTD 2023 and 2022 % Change in Net Assets

As of 07/26/23, money markets had the biggest positive changed YTD



Source: BofA Global Research, EPFR Global.



Appendix - list of common abbreviations

% chg percentage change
4Q Fourth Quarter
AT1 Additional Tier 1 Capital
AUM Assets Under Management

CB central banks

CEEMEA Central Eastern Europe, Middle East, Africa

chg change (simple difference)
CoCos Contingent Convertibles

EBITDA Earnings before Interest, Tax, Depreciation, Amortization

EM Emerging Markets
Fed The Federal Reserve
GCC Gulf Cooperation Council
GFC Global Financial Crisis

HG High Grade ΗY High Yield IG Investment Grade Latin America LatAm LHS Left Hand Side Last Twelve Months LTM MTD Month to Date New York NY

OAS Option Adjusted Spread
Quasis Quasi Sovereign Corporations

RHS Right Hand Side

T2 Tier 2 Capital

TRR Total Rate of Return

Turns of leverageMultiples (of LTM Leverage)

US United States
USD United States Dollar
YTW Yield to Worst

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