

## **GEMs Flow Talk**

## As US rates keep on climbing, outflows from EM continue to mount

EXD saw its 2<sup>nd</sup> largest outflow since Nov'22, while LDM its largest one since Oct'22 EPFR flows (% of AUM).

	All ex CN	EXD	LDM ex CN	Blended	EM Equity	US HY	ETF EXD	ETF LDM
1w	-0.4%	-0.3%	-0.6%	-0.4%	-0.2%	-0.3%	0.1%	-0.7%
YTD	-6.0%	-8.6%	-2.1%	-0.5%	2.4%	-5.7%	-4.5%	16.1%
FY 2022	-11.5%	-10.5%	- <b>9.3</b> %	-18.5%	1.1%	-10.5%	-0.8%	3.3%
Trend	13 \	13 ∖	12∖	2 🗸	3∖	5∖	1/	4∖

Source: BofA Global Research, EPFR. Note 1: Trend is # of consecutive wks up or down - shown 1w, YTD, & FY 2022

Not the best time for EM: Since Jan'22 nearly \$67bn has fled from EM ex-China (-16% of AUM), while 10y UST rates have jumped by 315bps from 1.7% to 4.9% (Ex 1). This major Fed tightening has negatively affected HY funds too, which suffered outflows of -\$54bn (-15.3% of AUM), while US IG had +\$26bn (+7.6% AUM) inflows. We believe crossover demand for EM bonds won't pick up until US rates stabilize and volatility declines, returns become positive and the fundamental EM story improves.

Spreads have widened in the last 2y for EM sovereigns overall, but mainly due to CCC-Cs rated countries. Overall, they haven't widened as much as US corps, and in fact have tightened for BBs and Bs. This indicates they are still relatively rich, and further adjustments would likely be needed to make them appealing to investors again.

Continues in page 2...

Exhibit 1: EM sov spreads are relatively tight vs US corp, except for Bs and CCC & lower Spreads by rating bucket

	Total	A-AAA	BBB	BB	В	CCC & lower
EM Sov	347	98	157	237	580	2,604
EM Corp	279	106	224	384	654	1,615
US Corp		107	163	310	472	1.014

Source: BofA Global Research, Bloomberg, ICE Data indices, LLC

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#### Exhibit 2: As rates keep on climbing, outflows from EM are getting worse

All EM ex-China weekly flows in \$mn and 10y US Treasury bonds rate since Jan'22



Source: BofA Global Research, Bloomberg, ICE Data indices, LLC.

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#### 26 October 2023

**GEM Fixed Income Strategy** Global

Jane Brauer

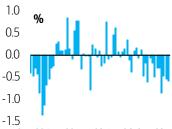
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#### LDM debt funds ex China weekly flows

LDM flows were down -0.6% of AUM

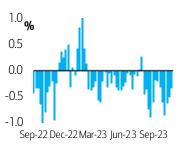


Sep-22 Dec-22 Mar-23 Jun-23 Sep-23

Source: EPFR Global, BofA Global Research BofA GLOBAL RESEARCH

#### **EXD** debt funds weekly flows

EXD flows were down -0.3% of AUM



Source: EPFR Global, BofA Global Research

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#### Quick Links:

<Foreign Holdings of LDM> <LDM Real Money Positioning> < China>

< EXD Issuance/Supply> < EPFR Flows> < Ratings > < 40 Flows & Issuance Charts > **EM ESG not bad in 3Q:** There is a large distinction in 3Q flows toward EM ESG funds, which have been protected from the outflows. The wave toward ESG continues – EM selling either moves to another asset class or moves to EM ESG. We find there is contrast by investor region more than by asset class, based on our client visits in Europe last week where the discussions were more heavily weighted toward ESG funds than we find is present with US investors.

**Low Oct:** gross issuance is at just \$16bn, ~30% of the past 5y avg of \$49bn for the month. 82% IG. 2 sovs issued. 50% EEMEA, 44% Asia and 6% LatAm.

**Bad Sept for local govt bonds overall:** China faced -\$1.8bn outflows, adding 3 consecutive months with outflows, and 17 in the past 20m (YTD at -\$33bn). While EM ex-China is at -\$6.2bn so far, much worse than in Aug (-\$2.3bn).

**LDM Real Money Tracker:** Funds reduced their bond holdings and FX exposure. Cash levels were increased after declining the past 2m, while duration was reduced slightly.

\*\*NEW: EPFR Country Flows: EXD: っTR & UA 」MX & SA. LDM: っMY & IN 」ZA & MX



### **EM Debt Facts at your fingertips**

#### **Crossover sentiment**

- End-July Crossover Credit investor survey indicates IG investors decreased EM, but again zero HY investors said that EM is their largest non-core allocation.
- US pension funds are fully funded, risk reduction may be coming.

#### LDM flows

- YTD LDM ex-China foreign holdings flows into govt bonds are up \$3bn
- Fleeing China: Foreign holdings of China local debt are down \$33bn YTD and China LDM funds AUM tracked by EPFR have fallen from a high of \$57bn to under \$14bn as of Oct 24.
- Indonesia foreign holdings share of local debt down from peak of 40% to 14%

#### **Default statistics**

- 21% (\$151bn face value) total of USD sovereign debt in in default (\$118bn) or is rated CCC or below (\$33bn).
- Of EUR-denominated sovereign bonds, 3.5% (\$15bn is in default (\$8bn) or is rated CCC or below (\$7bn)
- Currently over 9% of outstanding currently paying face value of EM sovereign USD debt is distressed with CCC+ or worse rating
- Since the pandemic started, 2023 has the fewest % downgrades.

#### **Default rates**

- In the last 3 years 5.5% of all EM sovereign bonds defaulted annually, though historically it averaged 2% annually for the last 22 years.
- As a % of high yield sovereign bonds, EM default rates have been 11% annually (32% cumulatively) for the last 3 years, though just 4% annually for 22 years.
- 18% of face value in the EMGB index in Jan 2020 has defaulted at some point in the last 3 years.
- 38% of face value of EM sovereign high yield bonds defaulted in the last 3 yrs.
- 99% of face value of EM sovereign bonds rated CCC+ or below in Jan 2020 defaulted.
- Asia: Last 12m corporate default rate by amount/count = 24.8%/15.6% for Asia HY, 45.6%/32.3% for China HY, and 62%/50% for China HY property (May 24).

#### EXD Issuance / stock

- There is US\$2.7tn face of index eligible debt. \$1.2tn sovs & \$1.5tn corps.
- Our 2023 forecast total sovereign & corporate issuance is \$364bn.
- Sovereign issuance was front loaded in 2023 sovereigns issued half of our annual issuance forecast in 1Q, but Corps only 30%.
- Largest remaining net 2023 sovereign issuance forecast will be from China.
- Negative net issuance since Feb 2022 (corp & sov ) = -\$339bn (-11.1%),
- Negative net in 16 of the last 19months, is money coming back to investors supporting prices.
- China EXD new issuance as % of all issuances dropped significantly from 48% in 2018 to just 14% today.
- 61% of sovereign debt measured market cap is IG, and 74% of corporate debt.
- Sep is a high issuance month (\$59bn vs monthly avg \$46bn).

#### **ESG flows**

 EM ESG fund outflows in 2Q23 were -\$0.6bn vs non-ESG funds -\$5.6bn outflow.

EM TRR YTD is positive for LDM: EXD = 0.0%, LDM = +0.5%



## **Foreign Holdings of Local Debt Markets**

We estimate weekly and monthly flows into local currency debt markets (LDM) by tracking changes in foreign holdings of domestic bonds, adjusted to account for inflation (see Methodology for details). We track data for holdings of 19 countries.

#### **Exhibit 3: Foreign Holdings flows deteriorating lately**

Adjusted FH, new reported #s in green and red bold (changes in current period USD bn - see note on next page for adjustment methodology)

								YTD\$	2022 \$	2021 \$	2020 \$	2019\$
Weekly data	20-Oct	13-Oct	6-Oct	29-Sep	22-Sep	15-Sep	8-Sep	wkly avg				
India	-0.8	-0.3	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.2	0.0
Indonesia	0.0	-0.3	-0.4	-0.9	0.0	-0.6	0.0	0.0	-0.2	-0.1	-0.1	0.2
Hungary	0.0	0.4	2.5	-2.5	-0.7	0.1	0.7	0.1	0.0	0.0	0.0	0.0
Türkiye	0.1	0.1	0.0	0.1	0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.1
Mexico	na	0.0	-0.1	1.2	-0.7	-0.4	-0.4	-0.2	0.0	-0.3	-0.2	-0.1

Mexico	na	0.0	-O. I	1.2	-0./	-0.4	-0.4	-0.2	0.0	-0.3	-0.2	-O. I
												% FH flows
									Current	Foreign	Total	since
Monthly Data	September	August	July	YTD (%)	YTD (\$)	2022 (\$)	2021 (\$)	2020 (\$)	Holdings	Holdings	debt (\$)	2/29/20
China	-1.8	-2.8	-5.8	-12%	-33.4	-30.4	86.7	78.7	281	8%	3,738	-21%
Korea	na	na	1.4	11%	11.9	15.9	34.0	18.8	169	21%	787	15%
India	-0.1	0.0	0.0	-7%	-1.3	-2.9	-2.6	-12.7	8	1%	1,187	-7%
Indonesia	-1.6	-0.7	0.4	4%	2.9	-10.4	-6.8	-6.8	54	15%	358	4%
Malaysia	-0.3	-1.3	1.5	6%	2.5	-1.7	3.5	3.1	42	35%	119	6%
Thailand	-0.3	-0.5	0.3	-6%	-1.5	-0.7	2.7	-0.5	25	11%	219	-8%
Asia	-4.1	-5.3	-2.3	-3%	-18.9	-30.2	117.5	80.6	578	9%	6,409	-6%
Czech Republic	na	-0.3	1.4	13%	3.5	-0.2	-0.2	-1.2	38	29%	130	0%
Hungary	-2.6	0.1	0.8	1%	0.1	1.0	-1.4	0.3	18	17%	101	-9%
Ukraine	0.0	-0.1	0.0	-16%	-0.5	-1.5	-0.1	-1.2	1	3%	37	-19%
Poland	na	-0.5	0.0	-16%	-5.6	0.7	-4.1	-7.0	33	15%	222	-17%
South Africa	-0.4	-0.7	0.8	0%	-0.1	-3.2	0.5	-1.3	44	26%	171	-2%
Romania	na	na	na	18%	2.0	5.2	-2.1	2.4	18	26%	68	84%
Russia	na	-0.5	-1.3	-13%	-5.4	-11.7	-2.6	3.6	13	8%	164	-27%
Israel	na	1.1	-3.0	29%	4.3	-2.7	6.8	5.3	22	10%	218	63%
Türkiye	0.3	0.2	0.0	10%	0.8	-3.1	-0.5	-5.2	3	3%	109	3%
EEMEA	-2.7	-0.6	-1.4	0%	-0.8	-15.4	-3.7	-4.4	189	15%	1,219	-5%
Brazil	na	2.1	-4.5	2%	1.5	-16.2	15.5	0.5	113	9%	1,217	5%
Mexico	0.1	-0.4	-0.1	-6%	-5.9	-2.1	-17.6	-12.5	97	15%	649	0%
Peru	na	-0.5	-0.6	-7%	-1.4	-3.3	-0.8	1.3	17	38%	44	-14%
Colombia	-1.3	-0.6	-0.7	-18%	-4.7	3.1	2.4	2.6	25	22%	114	-21%
LatAm	-1.2	0.6	-5.8	-5%	-10.5	-18.6	-0.5	-8.1	251	12%	2,024	-1%
China	-1.8	-2.8	-5.8	-12%	-33.4	-30.4	86.7	78.7	281	8%	3,738	-21%
Total ex China	-6.2	-2.6	-3.7	0%	3.2	-33.9	26.6	-10.6	737		5,914	0%
Total so far	-8.1	-5.4	-9.5	-3%	-30.2	-64.2	113.4	68.1	1018		9,652	-4%

Source: BofA Global Research, Local government websites. See notes in page 3. Note: % FH face change since 2/29 is in local currency. For this column, a cpn reinvested is counted as an increase in face value

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#### **Ex-China flows**

- Sep ex-China flows are at ≥\$6.2bn, with ≥\$2.6bn out from Hungary, ≥\$1.6bn from Indonesia and ₹\$0.3bn into Türkiye. 10/18 countries reported.
- Aug ex-China flows are at ≥\$2.6bn, with ≥\$1.3bn out from Malaysia, ≥\$0.7bn from Indonesia and ₹\$2.1bn into Brazil. 16/18 countries reported.

#### **Including China**

- Sep flows are at ≥\$8.1bn so far with ≥\$1.8bn out from China.
- Aug flows are at ≥\$4.9bn so far with ≥\$2.9bn out from China.

### Flows winners: Israel, Türkiye and Mexico

Sep: Türkiye (+\$0.3bn) and Mexico (+\$0.1bn). // Aug: Israel (+\$1.1bn).

# Flows Iosers: Hungary, Indonesia, Colombia, Poland, S. Africa, Thailand, Malaysia and India

 Sep: Hungary (-\$2.6bn), Indonesia (-\$1.6bn), Colombia (-\$1.3bn), S. Africa (-\$0.4bn), Thailand (-\$0.3bn), Malaysia (-\$0.3bn) and India (-\$0.3bn). // Aug: Poland (-\$0.5bn).



### Methodology: What makes our FH approach different?

#### Foreign holdings show true local bond flows

Our Foreign Holdings (FH) statistics track investments denominated in local currency. Since countries with higher inflation rates tend to pay higher coupons, we believe that FH flows should be adjusted by inflation levels to avoid overestimating their growth in the long term. We grow the prior month's holdings by annual inflation divided by 12 and compare that to the current holdings in local currency. The net foreign purchase is that difference converted to USD, applying FX rate at the end of the period. Current holdings are converted at current FX at the end of each period; YTD year-to-date growth is the sum of monthly net purchases divided by holdings at the end of last year converted to USD at the year-end FX rate.

## **LDM Real Money Positioning Tracker** (10/05)

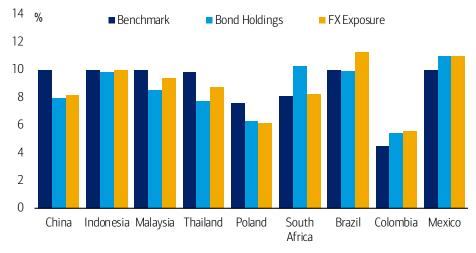
Our tracker compares the holdings of 38 large local currency debt funds (\$33bn AUM) to benchmark weights to estimate overweight and underweight positioning in bonds and FX. The funds are benchmarked to the GBI-EM local market benchmark, not Libor.

In our monthly real money positioning tracker, reporting end August positioning, we found that:

- Cash levels increased in August (at 6.0 from 5.0 in July).
- **Duration** was down in August (at 5.69 from 5.74 in July).
- **Bonds exposure:** South Africa (2.13% overweight) bonds continued to be most favoured by funds we track followed by Mexico and Colombia (0.97% and 0.93% overweight). In August, funds continued to remain underweight in China, Indonesia, Malaysia, Thailand, Poland and turned underweight in Brazil.
- **FX exposure:** In August, BRL (1.24% overweight) was the most favored currency by GBI-EM indexed funds we track followed by COP. Funds continued to be overweight in ZAR and MXN and remained underweight in CNY, IDR, MYR and PLN. Funds turned underweight in THB.

<u>GEMs FI & FX Strategy Watch: Real Money Tracker – Position reduction 06 October</u> 2023

**Exhibit 4: South Africa bonds and COP most favored in EM LDM portfolios** Emerging Markets Bond holdings and FX exposure in Aug-23



Source: BofA Global Research, Fund factsheets



#### Our view of large real money fund limitations to reduce bond exposure

- Their benchmark is long bonds and thus also long FX exposure.
- Liquidity declines when there is increased volatility, making it hard to trade size
  even if managers wanted to lighten up or hedge. There are fewer dealers and with
  smaller balance sheets prepared to provide bond liquidity,
- Large money managers have become even larger, and assets are concentrated so they need more liquidity to move their positions,
- Real money fund managers have more long-term money, which is "sticky" with investors who don't close out when markets decline.
- FX is far more liquid than the bond market and 2013 demonstrated that the FX is a quick, easy and better hedge than selling bonds.
- Cash buildup hurts returns in a rally → investors need to put money to work quickly.

## Sentiment survey of crossover investors

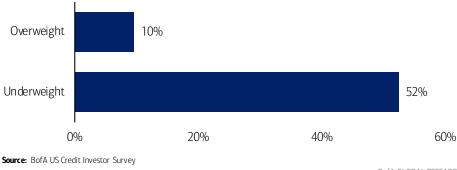
We publish a periodic report consolidating six crossover investor surveys in credit, equities and FX, What do crossover investors think of EM? 25 October 2023

#### From Crossover US credit bi-monthly investor survey (Sept 26-29, 2023)

- New: For US IG investors that invest in EM, 52% are UW and only 10% are OW.
- But US HY investors have returned to EM after 4 months. When asked what was their largest allocation outside of their primary focus, 12% of the HY participants chose EM (from 0% in the previous 4 months).
- The view from US IG investors = 9%, up from 8% in July.
- Recession is #1 concern, followed by inflation #2.

#### Exhibit 5: What is your positioning in EM issuer bonds?

Most investors are either not involved in EM or underweight EM



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<u>Credit Market Strategist: Sep '23 Credit Investor Survey: Living the rate shock 29</u> September 2023



## China vs ex-China

- EM EXD Corp index face ex-China fell in last 12m by \$2bn (0% decline), due to negative net issuance & defaulting bonds removed. China is 22% of EM Corp Index.
- China LDM flows down -\$1.8bn (Sep) vs -\$2.9bn (Aug), posting its 15th outflow in the last 18 months.
- 2023 foreign CGB outflows escalated and are nearly 4 times the rate of 2022, while local commercial banks were significant buyers in both primary and secondary issues and BofA Asian analysts expect commercial bank demand to continue. Since February 2022, appetite for China bonds had disappeared, with net sellers of \$30bn (51% of foreign holdings). As of Oct 6 '23 the LTM default rate of China HY property bonds was 37%/ 28% (by count/ amount). BofA Asian analysts are expecting more outflows.

#### Exhibit 7: China suffered outflows in Sept

Foreign Holdings change Total ex-China and China



Source: BofA Global Research, Local governments' websites. Note: Mar'20 ex-China was -\$45bn

# Exhibit 9: China corp issuance share dropped to 14% in 2023, from 36% of all 2022, down from 48% peak in 2018.

Annual USD & EUR Corporate New Issuance (\$mn) for selected years

Country	2018	2020	2022	2023 YTD
China	165,332	196,978	74,152	27,458
Rest of EM				
corporates	178,063	295,206	129,348	173,299
Total	343,394	492,856	203,500	200,757
% China	48%	40%	36%	14%

Source: BofA Global Research, EMDL on Bloomberg

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## **EXD** issuance = **14%** of all EXD corporate issuance EXD issuance: 2013-23, China share down to the lowest point since ´12



Source: BofA Global Research, EMDL on Bloomberg

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#### Exhibit 6: China suffered outflows in Sept

LDM China foreign holdings (FH) growth as of 30 Sep- in US\$

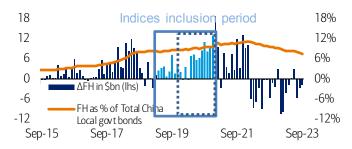
			C	hange	\$	% of YTD		
	FH Sep	Holdings USD (bn)	1m	3m	6m	YTD '23	flows	
China	-1.8	284	-2	-10	-9	-33	111%	
FH ex-CN	-6.2	740	-6	-12	2	3	-11%	
Total FH	-8.1	1023	-8	-23	-7	-30	100%	

**Source:** BofA Global Research, Local government websites; Note: We think some FH may be from Central Banks, not only investors

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 China local debt was added to 3 large benchmark indices starting in mid-2019: 1) the GBI-EM, 2) Blmbg Barclays Global Agg and 3) FTSE Russell WGBI Oct 2021-Oct 2024 (see FTSE Russell China report).

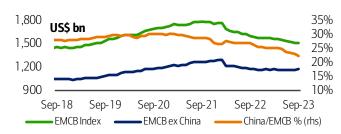
#### Exhibit 8: Sep ΔFH -\$1.8bn, FH down to 7.5% of China GCB bonds China Foreign Holdings. Inclusion in WGBI from Oct 2021 to Oct 2024



**Source:** BofA Global Research, Local governments' websites. Period of light blue bars was entry into the Bloomberg Bardays Agg (solid box) and inclusion of JPM GBI EM (dotted box).

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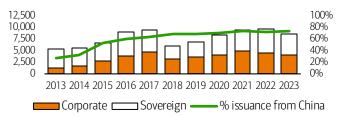
# **Exhibit 10: China represents 22% of corporate index-eligible debt** EM Corp Index (EMCB) market value with & without China (peak 30%), Russia removed at a price of zero on 3-31-2022



Source: BofA Global Research, Bloomberg, ICE Data indices, LLC.

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## **Exhibit 12: China LDM issuance = 74% of all EM LDM issuance YTD** LDM issuance: 2012-22 China grew from 25% of 2012 LDM issuance



Source: BofA Global Research, Bloomberg

#### LDM ex-China posted outflows again

- LDM ex-China funds show small outflows in 2023 vs -\$8bn outflows in 2022. The outflows in 2023 are at -\$0.4bn.
- China funds also show smaller 2023 outflows than those in 2022.
- Foreign holdings data shows foreign investors have been selling China in 2023.
- China ETFs also show receding outflows in 2023 but they have not turned positive yet. Around 30% of the China flows reported by EPFR are via ETFs and the ETFs appear to be representative of the total flows. ETF flows can be observed via various Bloomberg tools.
- **China funds tracked by EPFR lost over half** of their assets due to outflows since the peak in Feb'22. They were added to many benchmarks beginning in 2019.

**Exhibit 13: More outflows from ex-China than from China in Sep** EPFR flows into and out of China and ex-China funds, by month (in \$mn).



Source: BofA Global Research, EPFFR Global.

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# Exhibit 15: Of the China LDM ETFs, small Sept outflows were mostly from iShares ETFs

EPFR flows into China iShares ETFs & non-iShares ETFs, by month (in \$mn).



Source: BofA Global Research, EPFFR Global.

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## **Exhibit 14: The Aug China LDM outflows were mostly via funds** EPFR flows into & out of China ETFs and non-ETFs, by month (in \$mn).

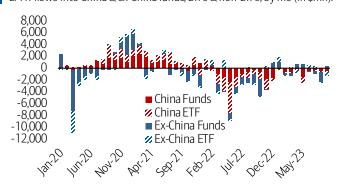


Source: BofA Global Research, EPFFR Global.

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# Exhibit 16: China ETFs had become a large contributor to the EPFR headline LDM flows, although outflows have been quite big for a while

EPFR flows into China & ex-China funds, ETFs & non-ETFs, by mo (in \$mn).



Source: BofA Global Research, EPFFR Global.



## Issuance: Tracker, debt service, forecasts

We track primary market issuance of external sovereign and corporate EM bonds on a gross and net basis (i.e. gross issuance minus debt service). Newly issued bonds can be purchased with cash from debt service or fund inflows. When net issuance is positive, fund inflows are required into the asset class. When net issuance is negative and fund inflows are positive, there could be higher demand for bonds in the secondary market.

**Our 2023 forecast total issuance is \$366bn** (\$137bn sov, \$229bn corp) vs peak pf \$707bn in 2020. Some issuers have already exceeded our original fcst. Forecasted gross issuance is 11% of the outstanding \$1.2tn EM sovereign external debt, offset with 5% principal coming due and 4% coupons being paid. Then just <u>2% inflows of this will be needed in 2023</u> to cover the new issuance.

**Sep gross & net issuance were** at \$47bn and \$7bn. Net issuance by region: EEMEA \$10bn, LatAm \$0bn & Asia -\$3bn.

**Low Oct:** gross issuance is at just \$16bn, ~30% of the past 5y avg of \$49bn for the month. 82% IG. 2 sovs issued: Chile (\$0.9bn) and Uzbekistan (\$0.7bn). 50% EEMEA, 44% Asia and 6% LatAm.

# **Exhibit 17: Forecast 2023 \$364bn vs \$293bn in 2022,\$688bn in 2021, \$707bn in 2020** 2023 monthly gross issuance (\$bn), YTD and yearly since 2020

													%
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	YTD	2023Fi	ssued
Sovereign	46	7	14	11	11	5	1	1	11	2	107	137	78%
Corporate	27	25	14	16	20	18	12	8	36	15	192	229	84%
Total	73	32	29	27	31	23	13	9	47	16	299	366	82%

Source: BofA Global Research, Bloomberg

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## Exhibit 18: Net issuance positive in Sep, interrupting a neg trend of 16 out of 18m w/ neg net issuance Total negative net issuance since Feb 2022 = -11.1%

Net issuance of USD & EUR debt (gross issuance less debt service paid, including coupons)

	Scheduled					Net		Scheduled				Net		
	Total	Debt	Total	Net	Total	issuance as		Total	Debt	Total	Net	Total	issuance as	
	issued	service	paid	issuance	outstanding	% of total			l service			e outstandin	g % of total	
Date	(\$bn)	(\$bn)	(\$bn)	(\$bn)	(\$bn)	outstanding	Date	(\$bn)	(\$bn)	(\$bn)	(\$bn)	(\$bn)	outstanding	
Jan-22	70	42	51	19	3,044	0.6%	Jan-23	73	50	52	20	2,826	0.7%	
Feb-22	30	24	30	0	3,051	0.0%	Feb-23	32	20	28	3	2,826	0.1%	
Mar-22	33	56	61	-27	2,928	-0.9%	Mar-23	29	44	54	-25	2,815	-0.9%	
Apr-22	29	50	68	-39	2,890	-1.4%	Apr-23	27	47	58	-31	2,826	-1.1%	
May-22	23	30	41	-19	2,886	-0.6%	May-23	31	31	38	-7	2,807	-0.3%	
Jun-22	25	23	36	-11	2,883	-0.4%	Jun-23	23	18	28	-4	2,789	-0.2%	
Jul-22	11	43	49	-37	2,853	-1.3%	Jul-23	13	34	45	-32	2,775	-1.1%	
Aug-22	9	19	27	-17	2,838	-0.6%	Aug-23	9	20	30	-21	2,763	-0.8%	
Sep-22	17	43	44	-27	2,812	-1.0%	Sep-23	47	36	40	7	2,756	0.2%	
Oct-22	23	38	40	-17	2,800	-0.6%	YTD	283	300	373	-90	2,756	-3.3%	
Nov-22	19	36	40	-21	2,801	-0.7%								
Dec-22	3	28	36	-33	2,792	-1.2%								
FY 2022	2 293	433	522	-230	2,792	-8.2%	_							

Note: Total outstanding is in face value of EMCB & EMGB BofA indices. Source: BofA Global Research, Bloomberg, ICE Data indices, LLC

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#### Exhibit 19: Debt service - \$373bn in 2023, Oct will be \$37bn

Scheduled debt service payments expected of USD & EUR debt for next months

Month	Total	Corporates	Sovereigns	Maturities	Coupons	LatAm	EEMEA	Asia
Oct-23	37	25	11	24	12	4	10	23
Nov-23	23	18	5	15	8	3	9	12
Dec-23	14	10	4	8	6	2	5	7

**Source:** BofA Global Research, Bloomberg, ICE Data indices, LLC.



## Exhibit 20: Issuance trends – investors want higher quality. Corp issuance in 2023 has been heavily IG @76%, like 2022, similar to early in the pandemic (Mar-Aug 2020), vs the low 60% in 2021

Issuance by category 2022 and 2021

	IG	HY	Xover/NR	Asia	EEMEA	GCC	LatAm	Total
Sovereign								
2021	62%	33%	5%	22%	32%	17%	29%	100%
2022	68%	27%	5%	14%	45%	10%	31%	100%
2023 YTD	72%	24%	4%	15%	43%	20%	22%	100%
Corporate								
2021	60%	29%	11%	60%	14%	11%	15%	100%
2022	75%	8%	17%	70%	7%	10%	12%	100%
2023 YTD	77%	15%	8%	50%	16%	20%	14%	100%

Source: BofA Global Research, Bloomberg, Bond Radar

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Exhibit 21: Gross issuance forecast for 2023 is \$137bn, net of amortizations is \$79bn, and net of amort & coupons is just \$27bn. 2022 gross issuance was \$91bn and net of amortizations was \$18bn, and also net of coupons was \$22bn.

Largest net issuance left is from China. By region, small for LatAm, MEAF & CEE (5, 5 & 7), large from Asia (14)

External debt issuance forecasts - foreign currency, foreign law (in USD bn)

Total	Main Countries Non-G10	2023 Gross EXD fcst 137	2023 YTD 107	Left to go in 2023 29	Remaining 2023 EXD Prin Due 5	Remaining 2023 net Issuance 22		Main Countries	2023 Gross EXD fcst	2023 YTD	Left to go in 2023	Remaining 2023 EXD Prin Due	Remaining 2023 net Issuance
Asia		29	15	14	0	13	MEAF/GCC		33	29	5	2	3
	China	8.4	0.0	8.4	0.0	8.4		Abu Dhabi	3.0	0.0	3.0	0.0	3.0
	Indonesia	8.0	3.8	4.2	0.3	4.0		Bahrain	2.0	2.0	0.0	0.0	0.0
	Hong Kong	8.2	8.2	0.0	0.0	0.0		Dubai	1.0	0.0	1.0	0.0	1.0
	Philippines	4.0	3.0	1.0	0.0	1.0		Egypt	2.0	1.5	0.5	0.5	0.0
CEE		41	34	7	1	3		Iraq	0.0	0.0	0.0	0.3	-0.3
	Hungary	6.6	6.6	0.0	0.8	-0.8		Israel	2.1	2.1	0.0	0.1	-0.1
	Poland	10.8	8.8	2.0	0.0	2.0		Jordan	1.3	1.3	0.0	0.0	0.0
	Romania	9.7	9.7	0.0	0.0	0.0		Kuwait	0.0	0.0	0.0	0.0	0.0
	Kazakhstan	2.0	0.0	2.0	0.6	1.4		Lebanon	0.0	0.0	0.0	0.0	0.0
	Serbia	1.8	1.8	0.0	0.0	0.0		Morocco	2.5	2.5	0.0	0.0	0.0
	Türkiye	10.0	7.5	2.5	3.3	-0.8		Nigeria	0.0	0.0	0.0	0.0	0.0
LatA		26	21	5	1	4							
m		20	21	3	•	7		Oman	0.0	0.0	0.0	0.0	0.0
	Brazil	4.0	2.3	1.8	0.0	1.8		Qatar	0.0	0.0	0.0	0.0	0.0
	Chile	4.0	4.0	0.0	0.0	0.0		Saudi Arabia	16.0	16.0	0.0	0.0	0.0
	Colombia	3.3	1.8	1.5	0.0	1.5		South Africa	0.0	0.0	0.0	0.0	0.0
	Costa Rica	3.0	1.5	1.5	0.0	1.5		Tunisia	0.0	0.0	0.0	0.7	-0.7
	Dominican Republic	0.7	0.7	0.0	0.7	-0.7		Kenya	0.0	0.0	0.0	0.0	0.0
	Panama	3.9	3.9	0.0	0.0	0.0		UAE	1.5	1.5	0.0	0.0	0.0
	Mexico	6.9	6.9	0.0	0.0	0.0		Sharjah	1.8	1.8	0.0	0.0	0.0
	Peru	0.0	0.0	0.0	0.0	0.0							
							All Frontiers		8	8	0	1	-1

Note: Frontier Markets include: Other LatAm: Argentina, Aruba, Bahamas, Bolivia, El Salvador, Guatemala, Honduras, Jamaica, Ecuador, Paraguay, Suriname, Trinidad, Uruguay, Venezuela.

Other EE: Bulgaria, Croatia, Czech Republic, Georgia, Macedonia, Armenia, Albania, Azerbaijan, Tajikistan, Uzbekistan, Srpska, Ukraine, Montenegro.

Other MEAF/GCC: Angola, Benin, Cameroon, Gabon, Ghana, Rwanda, Ethiopia, Senegal, Namibia, Tanzania, Zambia, Ivory Coast.

Other Asia: Fiji, Malaysia, India, Korea, Pakistan, Mongolia, Singapore, Sri Lanka, Thailand, Maldives, Vietnam.

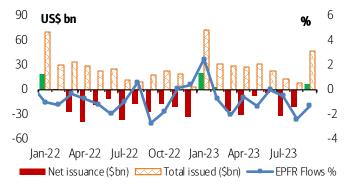
Note: Net issuance is only net of scheduled principal payments, not buybacks/tenders nor coupons, as of 6 Dec 22.

Source: BofA Global Research



#### Exhibit 22: Net issuance was positive in September

Gross and net monthly issuance (Sbn) and EPFR flows into EXD (%, blue), as of Sep 30th. Positive net issuance in green, negative in red.

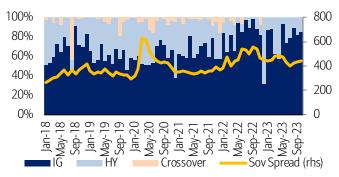


**Source:** BofA Global Research, Bloomberg, ICE Data indices, LLC., EPFR Global

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## Exhibit 24: HY issuance had nearly disappeared by Sep'22, but has been recovering some since. Large Türkiye HY issuance dominated Dec

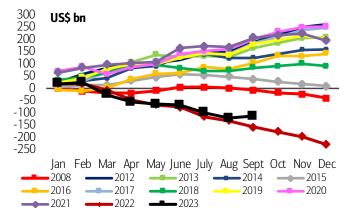
Monthly % of gross issuance by rating bucket and general sovereign spreads (without concessions, rhs) since Jan´18 – Sep´23 MTD



Source: BofA Global Research, Bloomberg Bond Radar, JPEIDISP Index (Sovereign spreads).

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## **Exhibit 26: 2023 remains negative following the worst year ever** Cumulative sov & corp net issuance in USD & EUR



Note: Net issuance is total issuance less principal, interest and buybacks paid. **Source:** BofA Global Research, Bloomberg.

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#### Exhibit 23: Oct debt service payment will be \$37bn.

Debt service payment (EM Corporate, EMCB, and Sovereign, EMGB)

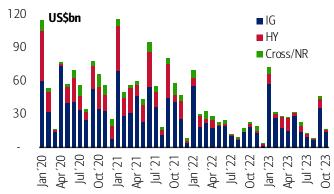


Source: BofA Global Research, Bloomberg, ICE Data indices, LLC.

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### Exhibit 25: Low Oct with large IG component

Monthly gross issuance by rating since Jan 20 – Oct 23 MTD

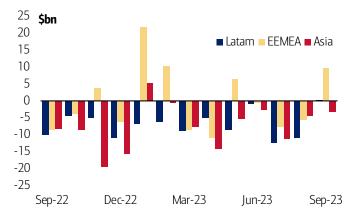


Source: BofA Global Research, Bloomberg Bond Radar.

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## Exhibit 27: Net issuance negative for the 18th consecutive month for LatAm

Monthly net issuance by region



Note: Net issuance is total issuance less principal, interest and buybacks paid. **Source:** BofA Global Research, Bloomberg,



## Fund Flows: EPFR data - focus on ex-China

EPFR (Emerging Portfolio Fund Research) tracks fund flows from a sample of funds that invest in external debt (EXD) and local debt markets (LDM). EPFR data is monitored by investors because it is a proxy for flows to the overall asset class. However, EPFR data requires careful interpretation due to its small sample (around 11% of the asset class, concentrated among European funds). We make our own adjustments to the data to improve its relevance (see Methodology for details).

**Exhibit 28: Total EM Debt flows in 2022 were twice that of US HY flows in \$bn. Total EM flows = LDM ex-China + China LDM + EXD + Blend** EPFR fund flows (% of AUM or USD mn), omitting the 34% of the local funds that invest in the same country they were domiciled in

	1w (%)	1 w (USD mn)	YTD (%)	YTD (USD mn)	2022 (%)	2022 (USD mn)	2021 (%)
LDM Funds ex China	-0.6	-518	-2.1	-1,974	-9.3	-7,626	-5.8
- LDM ETF	-0.7	-292	16.1	5,746	3.3	1,076	-1.6
- LDM non-ETF	-0.5	-227	-14.4	-7,720	-11.3	-8,702	0.0
China LDM	-1.2	-168	-28.1	-5,566	-58.0	-28,520	77.8
- China ETF	-0.3	-19	-21.6	-1,626	-68.0	-16,523	76.8
- China non-ETF	-1.8	-148	-31.9	-3,940	-44.0	-11,997	0.0
EXD Funds	-0.3	-704	-8.6	-19,934	-10.5	-27,818	4.5
- Corp flows	-0.9	-385	-12.5	-6,607	-16.8	-10,866	10.9
- EXD ETF	0.1	45	-4.5	-2,375	-0.8	-321	9.5
- EXD non-ETF	-0.5	-749	-9.6	-17,559	-10.8	-27,498	0.0
Blended Funds	-0.4	-180	-0.5	-217	-18.5	-10,807	7.1
All EM debt	-0.4	-1,570	-7.1	-27,690	-16.4	-74,770	6.6
All EM debt ex China	-0.4	-1,402	-6.0	-22,124	-11.5	-46,250	2.7
EM Equity	-0.2	-1,946	2.4	29,238	1.1	17,981	6.3
US HÝ Corp	-0.3	-899	-5.7	-17,051	-10.5	-38,118	-0.5
US IG Corp	-0.7	-2,442	1.2	4,767	5.6	19,277	2.4

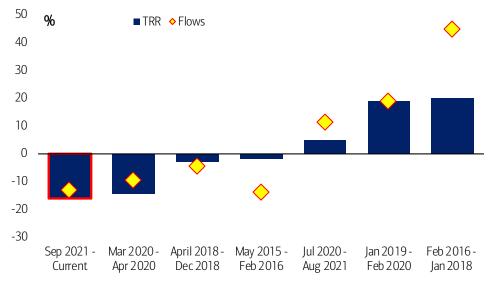
Note: We remove ~ \$61bn of the local funds that were domiciled in BG, CN, CO, IN, KR, MY, RO, RU, TH, TR and VN and of ETFs registered locally that invest in local debt (-\$6bn).

Source: BofA Global Research, Bloomberg, ICE Data indices, LLC, EPFR

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Exhibit 29: Current period is most extreme case of large price correction (red box) with modest outflows (diamond).

EXD inflows and outflows periods when the flow does not always match the performance



Source: BofA Global Research, EPFR Global, Bloomberg



# Exhibit 30: Most of EPFR-tracked funds are European domiciled; about 65% are EXD; fund AUM is just 9% of outstanding external debt and even less of local debt, but reflects fairly well the percentage inflows

AUM in EPFR flows for three classes: Small retail, high net worth ex-ETF, ETF (\$bn), including China

AUM (USDbn)	EXD	LDM	Total EM	EM Equity	US HY Corp	US IG Corp
Small retail	54	19	74	-		-
High net worth ex. ETF	109	61	170	-	-	-
ETF	44	23	67	-	-	-
Total	207	103	311	1,131	277	370
Europe domiciled	156	85	242	567	-	-
US domiciled	37	7	44	436	277	370
Asia & Others domiciled	13	11	25	128	-	-
Blend	-	-	48	-	-	-
Market Value of Benchmark (in \$bn)	2,315	5,178	7,493	6,304	1,186	7,511
Percent of EPFR that is US-domiciled	18%	6%	14%	39%		
Percent of market cap covered by EPFR	9%	2%	4%	18%		
Percent of EPFR that is ETF	21%	22%	22%			

Note: Market Cap of Benchmark is (EMGB + EMCB) for EXD no caps, LDMP for LDM (is capped), H0A0 for USHY, C0A0 for USIG and MXEF for equity; omitting the 34% of the local funds that invest in the same country they were domiciled in (mostly large Thai funds, and around 8% from China funds).

US IG Corp and US HY Corp are funds that invest strictly in Corporates, and do not include govts, agencies, mortgages, etc. LDM AUM Includes China focused funds

Source: BofA Global Research, EPFR Global

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## **Exhibit 31: Asia focused funds represent over 12% of EPFR EXD AUM and 15% for LDM ex China** AUM by asset class by Geo Focus (in \$bn)

Fund Focus	EXD	LDM ex CN*	Total EM
ETFs - Global Emerging Markets	42	13	54
Non-ETFs - Global Emerging Markets	136	56	191
Asia ex-Japan Regional	25	14	38
Other	5	7	13
Total	207	89	297

**Source:** BofA Global Research, EPFR Global. Note: Based on daily data that may differ slightly from weekly or monthly data, omitting the 34% of the local funds that invest in the same country they were domiciled in (mostly large Thai funds). 20% of the GEMs LDM funds are ETFs; 30% of the GEMs LDM ETFs are iShares; 40% of the LDM ETFs are China ETFs and 80% of the

20% of the GEMS LUM funds are EIFS; 30% of the GEMS LMD EIFS are Isnares; 40% of the LUM EIFS are China EIFS and 80% of the

China ETFs are iShares. China LDM funds AUM have fallen from a high of \$57bn to near \$14bn as of 10/24/23.

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### Methodology: What makes our EPFR approach different?

#### EPFR data requires special care and cautious interpretations

Although EPFR covers a small percentage of outstanding debt, investors persist in watching them, perhaps because of the larger proportionate representation in equities. It is an unreliable measure, and the flows appear small. EPFR's AUM includes a larger and larger percent of ETFs because they are growing fast, report daily and are thus accessible. EFPR base is mainly high net worth and smaller institutions. EPFR EM debt AUM is heavily weighted toward Europe, rather than US.

#### We clean LDM flows

We remove funds representing 34% of EPFR AUM. These are locally registered mutual funds or ETFs investing in same local debt, almost all local money market funds because they do not reflect global flows (32% are domestic local Thai mutual funds, 2% are other EM country domestic mutual funds investing in local debt).



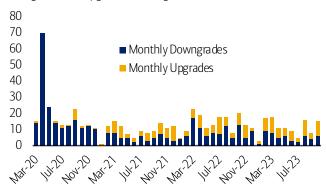
## Ratings actions, 2022 61% downgrades

- Negative week: 3 down & 1 up this week, vs 0 down & 4 up last week.
- 2023 downgrades running at neutral. About 50% of EM ratings or outlooks have been downgrades
- 2020 downgrades were exceptionally high at 93%

See our Default Primer, Sept 2022.

Exhibit 33: After balanced upgrades and downgrades in 2021, downgrades have exceeded upgrades in 2022

Downgrades and upgrades in rating or outlook since Covid



Source: BofA Global Research, Bloomberg Note: Suriname, Belize, Ecuador and Argentina were upgraded after restructurings of debt.

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Exhibit 35: Defaulted debt cumulated \$195bn since 2020, zero in 2023 Defaulted sovereign debt by country and year since 2020 (\$bn)

Year	Country	Amt Defaulted (\$bn)
2020	Argentina	61.5
2020	Ecuador	17.4
2020	Lebanon	24.1
2020	Suriname	0.7
2020	Zambia	2.3
2021	Belize	0.6
2022	Sri Lanka	12.6
2022	Russia	36.6
2022	Belarus	3.3
2022	Ukraine	22.8
2022	Ghana	13.2

Source: BofA Global Research, Bloomberg.

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- In 2020, 6% of the 78 countries defaulted or restructured, 9% of the EMGB index face value (\$107bn/\$1.2tn).
- In 2021, only one defaulted and restructured, 1% of issuers.
- In 2022, 6% of the 78 countries defaulted or restructured, 7% of the EMGB index face value (\$89bn/\$1.2tn).

Exhibit 32: Downgrades were 93% of all ratings actions from March 2020 - YE 2020, but around 50% in 2021 and 60% in 2022

Number of sovereign ratings actions, including outlooks

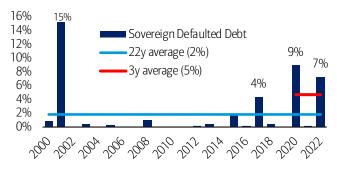
	Down	Up	% Downgrades
1/1/20-3/4/20	10	7	59%
3/4/00-YE2020	194	15	93%
2021	57	58	50%
2022	103	65	61%
2023 YTD	50	63	44%

Source: BofA Global Research, Bloomberg. Note: Suriname, Belize, Ecuador and Argentina were upgraded after restructurings of debt

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Exhibit 34: Sovereign defaults in 2020 hit 9% of face value of all sov bonds, (out of \$1.2tn face value). Avg 2% in 22yrs, 5.5% in last 3y. As a % of only EM sovereign high yield bonds avg 4% in 22y & 11% in 3y.

EM sovereign default rates as % of EM sov debt (USD & EUR)



Source: BofA Global Research, Bloomberg, ICE Data indices, LLC.

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Comps: 2001 Argentina \$95bn of sovereign debt, but only \$45bn of that was in the index and the index was just \$294bn back then, so Argentina was 15% of the face. **2017 Venezuela** sovereign default was less than 4% of the EM sovereign index at the time, but if we include PDVSA which was a quasi, it was more. We do not include quasis in our sovereign index. In both the Argentina and Venezuela cases, they were the main defaulters in their respective years. 2020 had 3 big defaults. That is key here.

In this environment, watch those low BBBs.

2 BBB- and 1 lower	Croatia, Cyprus, and Trinidad.
3 BBB-	Romania and India
2 BBB- and 1 higher	Russia, Kazakhstan, Colombia and Italy.

1 BBB- and rest higher Mexico, Uruguay, Hungary and Portugal.

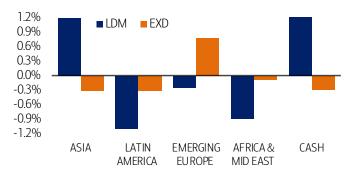
See Default Primer Sept 2022 and How sovereign fallen angels lost their wings: Mx, Col, Uru

The default rate was 7% for sovereign debt in 2022, after the prior 22y average of 2%. But there are not many low rated issuers in EM anymore. For 2023, there are just 4 issuers that are CCC and have a price <\$50. That is not really a default price, per se, but if they all defaulted, the face value of default would be \$85bn (7%). The loss upon would not be that high because the prices are already so low. The mkt value of those bonds is just \$27bn.



## **EM debt fund flows charts**

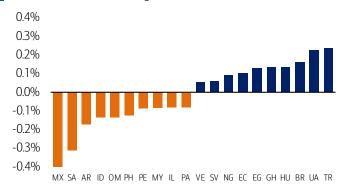
**Exhibit 36: Regional allocations – LDM into Asia, EXD into EE** LDM and EXD 3m change in EPFR regional allocation 3m change 6/30/23-9/30/2023



Note: Reported on 10/23 for fund positions on 9/30. **Source:** BofA Global Research, EPFR Global BofA GLOBAL RESEARCH

# Exhibit 38: EXD country allocations - Large loses in market value from MX & SA assets, relative growth in TR & UA

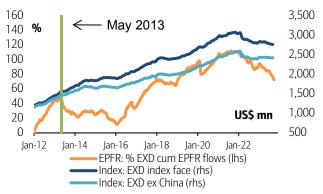
EXD EPFR 3m allocation change 6/30/23-9/30/2023



Note: Reported on 10/23 for fund positions on 9/30. **Source:** BofA Global Research, EPFR Global

# Exhibit 40: Size of EXD market vs. inflows - Total EM corp and sov debt both rise at a faster pace faster with inflows, sharp drop. Close to \$100bn Russia bonds removed at a price of 0 on 3-31-2022

EXD total index eligible face value for EM corp and sov (face = new issues - bonds aging out of 1y maturity & retirements)

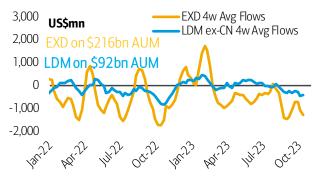


Note: EM Corp and Sov indices are EMCB and EMGB. **Source:** BofA Global Research, EPFR Global

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# Exhibit 37: Fund flow trends - EXD flows are more volatile than LDM. EXD flows are very volatile and turning positive while LDM ex-CN flows are negative though small

EXD and LDM ex-CN 4-week average flows (\$mn)

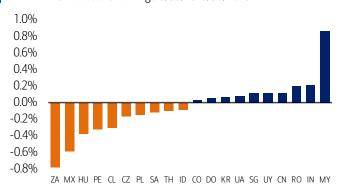


Source: BofA Global Research, EPFR Global

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# Exhibit 39: LDM country allocations – Large loses in market value from ZA & MX assets, relative growth into MY & IN

LDM EPFR 3m allocation change 6/30/23-9/30/2023



Note: Reported on 10/23 for fund positions on 9/30. **Source:** BofA Global Research, EPFR Global

## Exhibit 41: Two measures of inflows, EPFR funds vs foreign holdings (FH). FH ex-China growing faster than EPFR rate

LDM Foreign holdings, with EPFR reported flows (% change in foreign holdings and EPFR cum flows)



Source: BofA Global Research, local governments websites, EPFR Global



#### Exhibit 42: Equity and LDM gained inflows YTD until July

Cumulative EM debt and equity fund flows since Jan 23

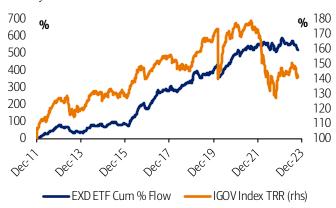


Source: BofA Global Research, EPFR Global

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## Exhibit 44: ETF-only EXD flows had moved strongly with performance until 2021, but not any more

ETF-only EXD flows vs IGOV Index returns since Dec'11



Source: BofA Global Research, Bloomberg, ICE Data indices, LLC, EPFR Global.

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# Exhibit 43: US IG Corp asset class is 5x larger than US HY corp and IG has steady inflows, even while EM EXD and LDM ex China got soft. US HY outflows have been striking YTD

Cumulative flows by asset class since Jan 23 (in \$bn)



Source: BofA Global Research, EPFR Global, US Corp mkt is COAO, US HY mkt is HOAO

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# Exhibit 45: ETFs in \$: EM equity (rhs) inflows increasing steadily as is trend for US IG, but EXD drifting lower, but US HY doing worse Cumulative flows of ETF by asset class since Jan'23 (in \$bn)

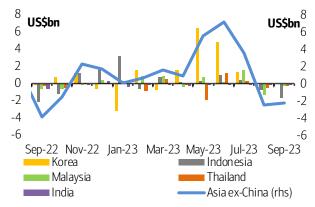


Note: This chart shows aggregate EPFR data, it names no specific ETF.

Source: BofA Global Research, EPFR Global

#### Exhibit 46: Asia ex-China LDM flows peaked in May 2023

Asia ex-China foreign purchases of LDM by country in current period USDbn  $\,$ 



Source: BofA Global Research, local governments websites, Haver.

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**Exhibit 48: China has been suffering severe foreign outflows in 2023** China and Asia ex-China foreign purchases of LDM in current period USDbn

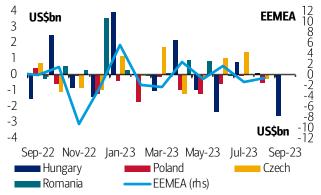


**Source:** BofA Global Research, local governments websites, Haver.

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#### Exhibit 50: EEMEA LDM flows – Weak flows overall

EEMEA foreign purchases by country in current period USDbn



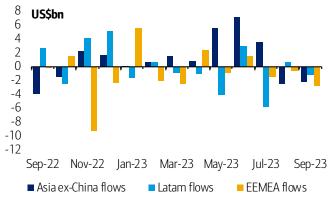
Note: EEMEA is the sum of all 8 EEMEA countries

Source: BofA Global Research, local governments websites, Haver.

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### Exhibit 47: Foreign holdings of LDM – Flows turning negative

By region EM foreign purchases in current period USDbn

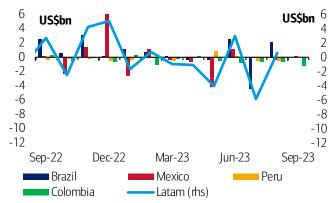


Source: BofA Global Research, local governments websites, Haver.

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#### Exhibit 49: LatAm LDM flows – Low flows in 2023

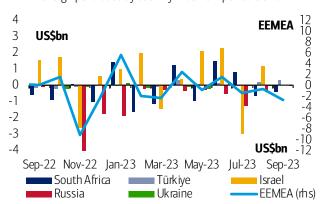
LatAm foreign purchases of LDM by country in current period USDbn



**Source:** BofA Global Research, local governments websites, Haver.

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## **Exhibit 51: EEMEA LDM flows – Weak flows overall, except TR & IL** EEMEA foreign purchases by country in current period USDbn

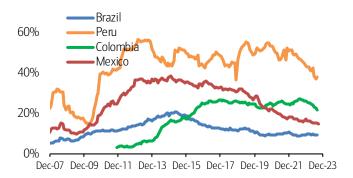


Note: EEMEA is the sum of all 8 EEMEA countries

Source: BofA Global Research, local governments websites, Haver.

## Exhibit 52: Foreign holdings share in LatAm-steepest decline is in Mex (outflows + big issuance). Peru now the largest (almost 40%)

LatAm foreign bond holdings share (% of foreign holdings)



Source: BofA Global Research, local governments websites, Haver.

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## Exhibit 54: Foreign holdings shares in EEMEA – All declining since mid-2020, except Romania

EEMEA foreign bond holdings share (% of foreign holdings)

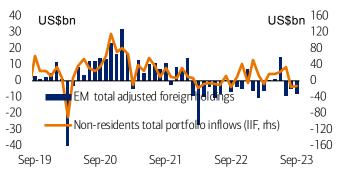


Source: BofA Global Research, local governments websites, Haver.

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#### Exhibit 56: IIF portfolio flows have been recovering lately

Total EM foreign purchases of local debt (including China) versus IIF portfolio flows



Note: Total portfolio inflows (IIF) are net non-resident purchases of EM stocks and bonds. Recent IIF points are estimates. BofA points are from countries that have already reported. **Source:** BofA Global Research, IIF.

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## Exhibit 53: Foreign holdings share in Asia – sharp decline in Indon (due to outflows + big issuance), declined from 40% to 16%

Asia foreign bond holdings share (% of foreign holdings)

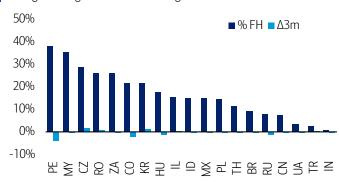


Source: BofA Global Research, local governments websites, Haver.

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## Exhibit 55: Foreign holdings share and 3m change - Declined the most in Peru and Colombia

Foreign holdings share and 3m change



Note: Countries are ranked from highest to lowest % of foreign holding.

**Source:** BofA Global Research, local governments websites, Haver.

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## Exhibit 57: IIF debt flows also indicate EM local debt flows have been doing better in the last few months

Total EM foreign purchases of local debt (including China) versus IIF DEBT flows



Note: Recent IIF points are estimates. BofA points are from countries that have already reported. **Source:** BofA Global Research. IIF.



## Exhibit 58: Ex-China flows have been positive in the last few months

 $\hbox{Ex-China Total EM foreign purchases of local debt versus IIF portfoliof lows ex-China}$ 



Note: Total portfolio inflows (IIF) are net non-resident purchases of EM stocks and bonds. Recent IIF points are estimates. BofA points are from countries that have already reported. **Source:** BofA Global Research. IIF.

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# **Exhibit 59: Ex-China outflows have been challenging since Oct '21** Ex-China Total EM foreign purchases of local debt versus IIF DEBT flows ex-China



Note: Recent IIF points are estimates. BofA points are from countries that have already reported. **Source:** BofA Global Research, IIF.

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#### Acronyms

**EM:** Emerging Markets // **DM:** Developed Markets // **EXD:** External debt // **LDM:** Local debt markets **ESG:** Environmental, Social & Governance // **AUM:** Assets under management // **Sov:** Sovereign // **Corp:** Corporate // **GCC:** Gulf Cooperation Council (political and economic alliance of countries: Saudi Arabia, Kuwait, United Arab Emirates, Qatar, Bahrain and Oman // **MEAF:** Middle East & Africa // **EEMEA:** Eastern Europe, Middle East & Africa // **EMTA:** Emerging Markets Trader Association // **FH:** Foreign Holdings //

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