Making Sense of Emerging Market Debt

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Agenda

- Emerging Market Debt (EMD) Microstructure
 - Sectors, Trends and Technicals
- 2. EMD as a source of Risk and Return
 - Perception of Risk
 - Defaults and Recovery
 - Return Accrual to domestic vs. foreign investors
 - Active management
- 3. Role of EMD in client portfolios
- 4. Outlook for the asset class



Emerging Market Debt Microstructure Sectors, Trends and Technicals



Emerging market debt – sector composition

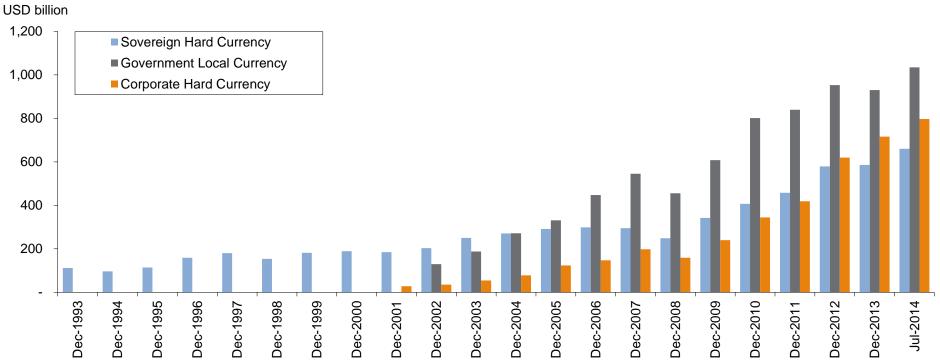
Sector Strategy	Hard Currency Debt	Local Currency Debt	Corporate Debt		
Index	JPMorgan Emerging Markets Bond Index Global (JPM EMBI Global)	JPMorgan Government Bond Index– Emerging Markets Global (JPM GBI–EM Global)	JPMorgan Corporate Emerging Markets Bond Index Broad (JPM CEMBI Broad)		
Currency	USD	Local Currency	USD		
Credit Quality (Moody's/S&P/Fitch)	Baa3/BBB-/BBB-	Baa2/BBB+/BBB+	Baa2/BBB/BBB		
Duration	7.17 years	4.74 years	5.24 years		
Yield	5.97% ¹	6.58% ²	5.60% ¹		
Number of Issues	467	196	1166		
Market Value	USD 673 Billion	USD 953 Billion	USD 802 Billion		
Historical Regional Distribution (%MV) Current values labeled	ME/Africa 9% LatAm 41% Europe 29% Asia 21% 94 97 00 03 06 09 12	ME/Africa 9% LatAm 46% Europe 25% Asia 20% 02 04 06 08 10 12 14	ME/Africa 11% LatAm 34% Asia 42% 02 04 06 08 10 12 14		
Top 5 Countries (%MV)	Mexico 13% Russia 8% Indonesia 8% Turkey 8% Brazil 7%	Brazil 21% Mexico 18% Poland 9% South Africa 8% Turkey 8%	China 17% Brazil 16% Russia 10% Hong Kong 8% Mexico 7%		

Source: J.P. Morgan Asset Management. As at 28/02/2015. Indices do not include fees or operating expenses and are not available for actual investment. Past performance is not an indication of future performance. 1Yield to Worst, 2Yield to Maturity.



Steady growth of AuM across all EMD asset classes

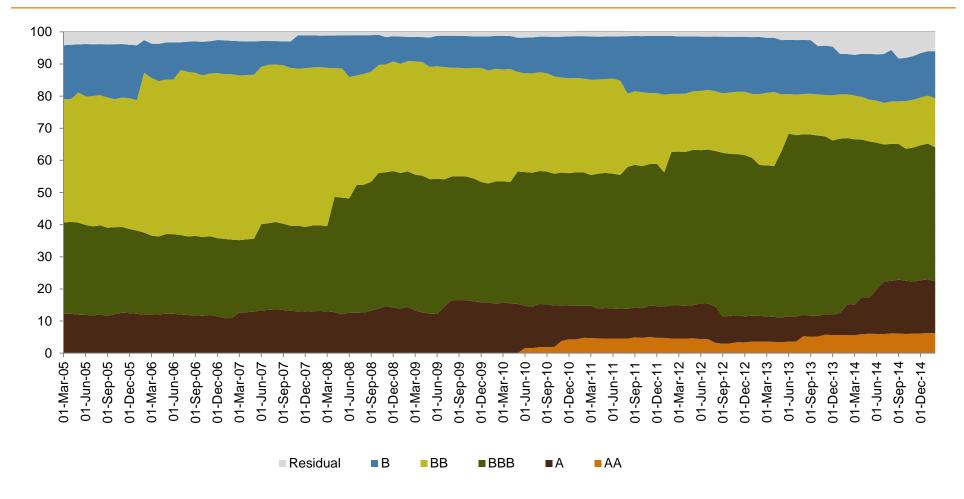
Benchmark AUM



Source: J.P. Morgan Asset Management, August 2014. *Sovereign Hard Currency: JPM EMBI Global Index, Corporate Hard Currency: JPM CEMBI Broad Index and Government Local Currency: JPM GBI-EM Global Diversified Index

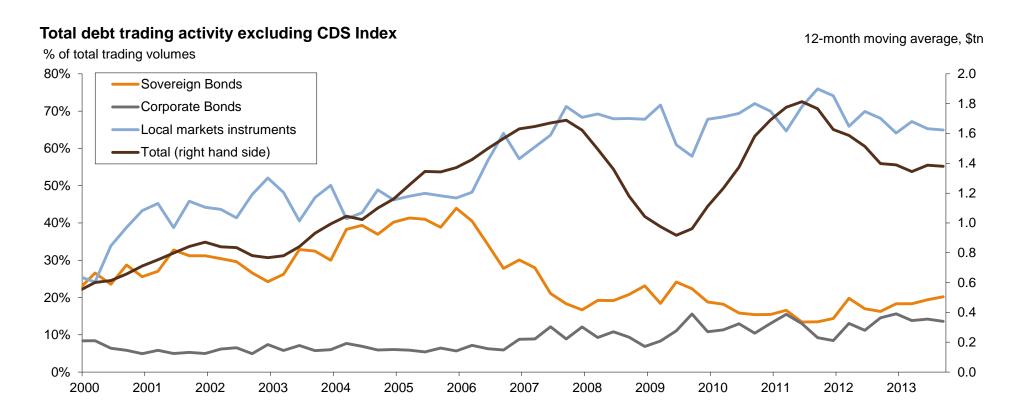


EM sovereign rating improvement: around 65% rated investment grade





Local markets dominate EM trading activity

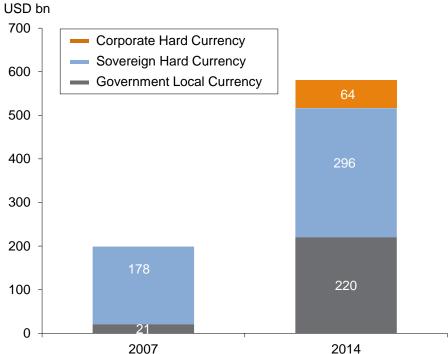


Source: J.P. Morgan Asset Management , EMTA, 3Q 2013; CDS Index denotes to the Credit Default Swap Index



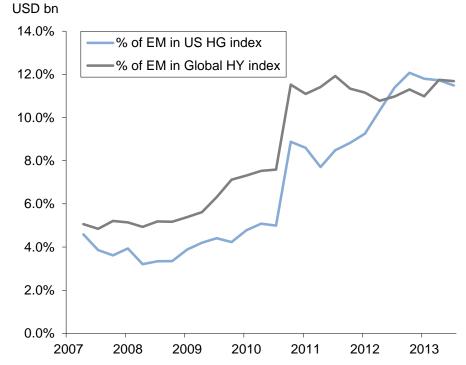
Growing demand for EM debt in global strategies

AUM benchmarked to J.P. Morgan EM fixed income indices



Source: J.P. Morgan Asset Management, June 2014

Share of EMD in global bond indices

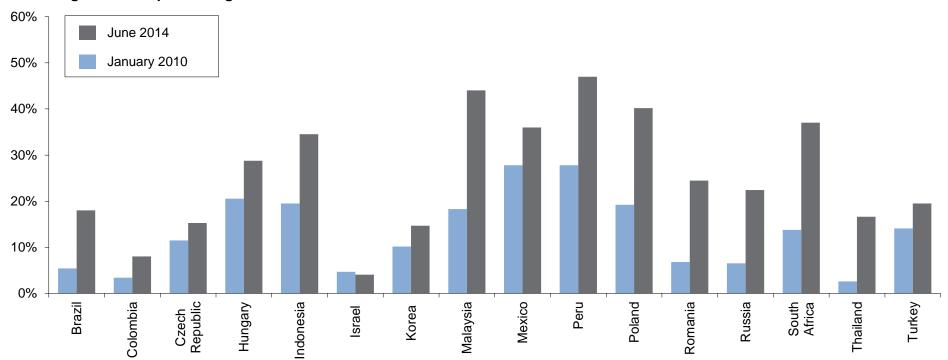


Note: In 2Q2011 index inclusion criteria for EM in indices changed to be more inclusive.



Foreign participation in EM local markets has increased

% of foreign ownership of local government bonds



Source: J.P. Morgan Asset Management, June 2014, For illustrative purposes only



Emerging market debt as a source of risk and return



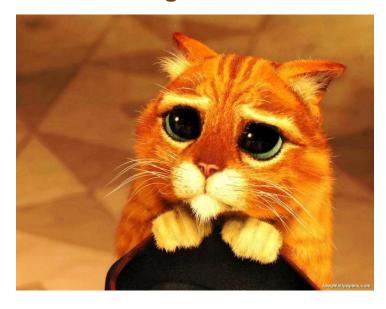
Perception of Risk in Emerging Market Debt

An unmanageable beast



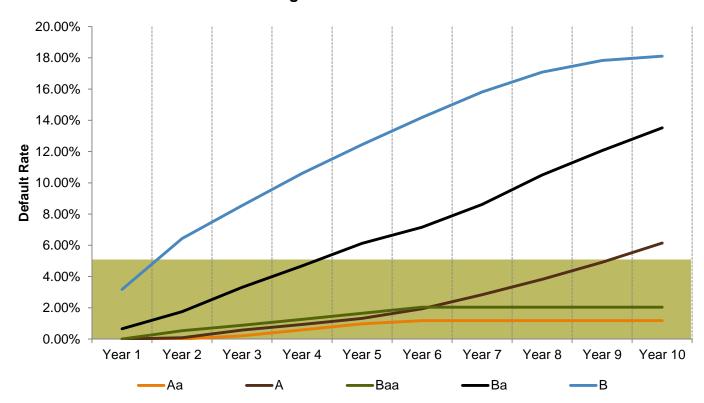
OR

A manageable Pet

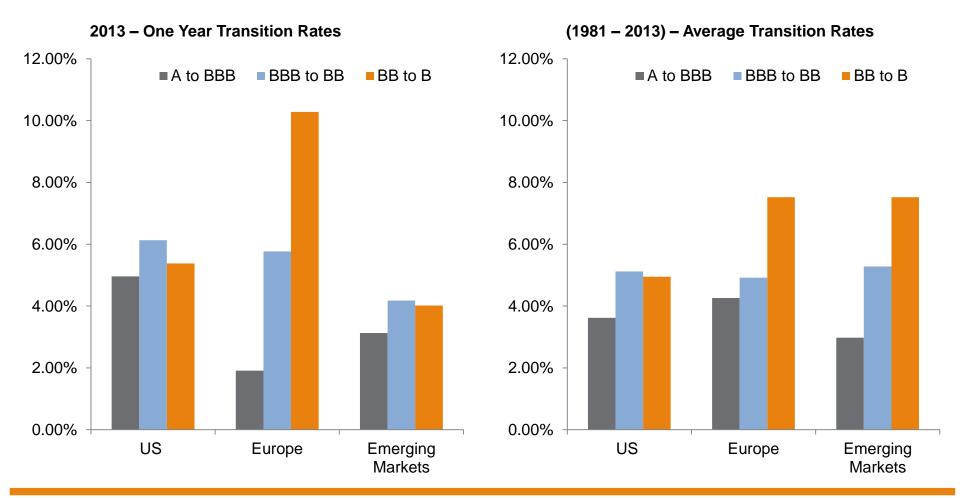


Sovereign ratings are a reasonably good predictor of future defaults

Sovereign Cumulative default rates



Rating migration patterns in EM corporate investment grade sector is similar to US or European investment grade corporate sector



Source: S&P. as of December 2013

An analysis of Sovereign Recovery rates and haircuts

Average Recovery rates are around 49%

Defaulting/Restructuri ng Country	Year Of Default	Average Trading Price (% Of PAR)			
Russia	1998	18			
Pakistan	1999	52			
Ecuador	1999	44			
Ukraine	2000	69			
Ivory Coast	2000	18			
Argentina	2001	27			
Moldova	2002	60			
Uruguay	2003	66			
Grenada*	2004	65			
Dominican Republic	2005	95			
Belize	2006	76			
Seychelles	2008	30			
Ecuador	2008	28			
Jamaica	2010	90			
Greece	2012	24			
Belize	2012	40			

Source: Moody's as of December 2014, * on an issuer weighted basis

Frequently there is difference between haircuts for domestic and foreign investors

Country	Categories	Average haircut in % (conventional definition)		
Russia	GKO/OFZ residents	45.7		
	GKO/OFZ non-residents	61.5		
Ukraine	OVDP Residents	18.2		
	OVDP non residents	59.2		
	International bonds	40.1		
Pakistan	Eurobonds	30.4		
Ecuador	International bonds	60.0		
Argentina	Phase 1 (residents)	58.1		
	2005 International	67.0		
Uruguay	Domestic	36.2		
	External	26.2		

Source: IMF, July 2005, OVDP: Ukrainian local currency debt, OFZ: Russian local currency bonds



Do foreign investors benefit from investing in EM economies?

An el-dorado of modern day



OR

Nearly Zero



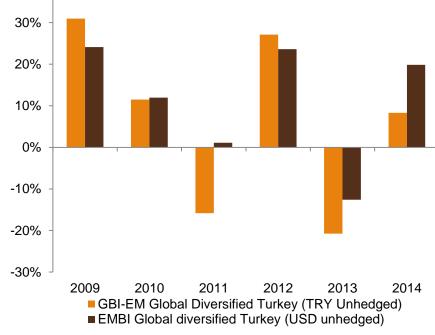
Comparing local investor and foreign investors' experience

- It is challenging to compare local investors' experience vs. foreign investors' experience from similar investments
- > Three main factors which impact the difference in performance
 - Tax
 - Capital Control
 - Currency
- Comparing local currency Brazilian bonds' performance to external Brazilian bonds' performance, after adjusting for the currency performance
- Local investors are often better off in countries with intervention-prone central banks, whereas countries which are a bit more open, the offshore investors tend to have similar experience compared to local investors

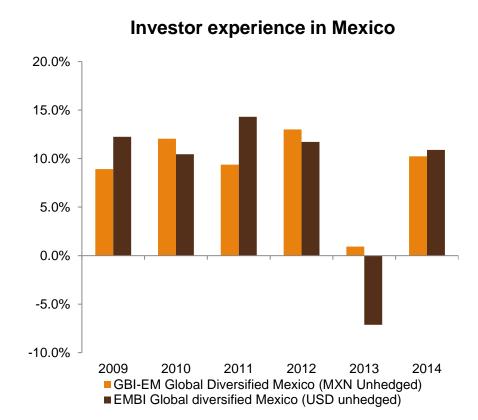
Comparing the experience of domestic and foreign investors (1)



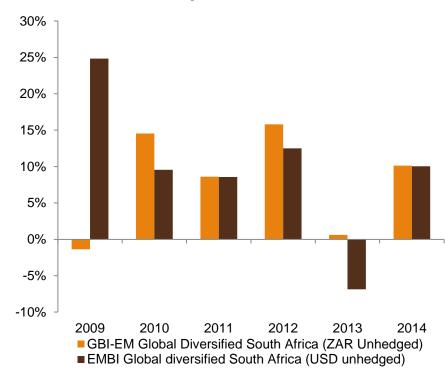
Investor experience in Turkey 40%



Comparing the experience of domestic and foreign investors (2)

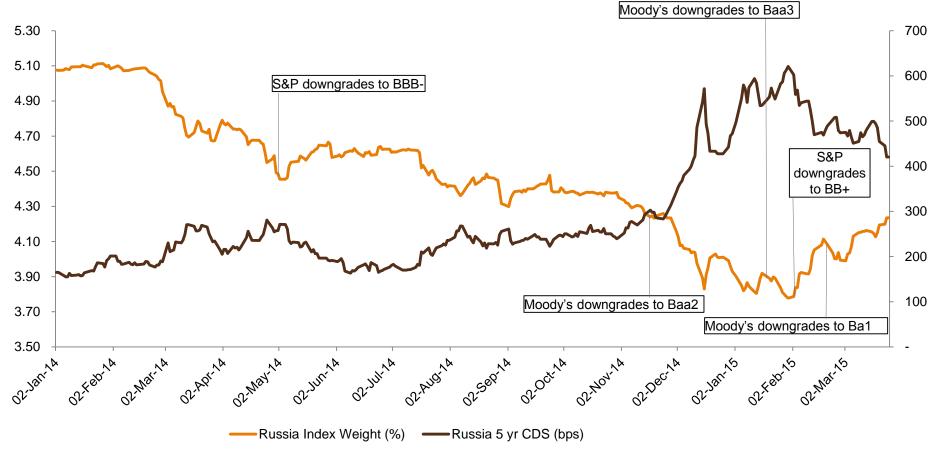


Investor experience in South Africa



Active management in Emerging market debt

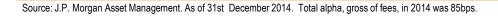
A relatively inefficient asset class – benchmarks tend to reflect the market information with significant lag



Half of the alpha in EM corporate portfolio in 2014 came from being underweight Russia

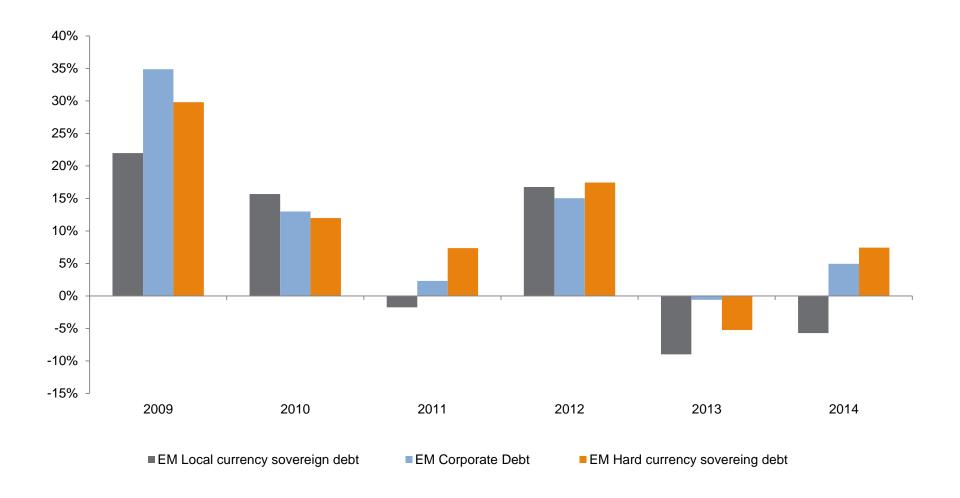
Top/Bottom 10 attribution by Country (bps) in JPMorgan Funds – Emerging Market Corporate Bond Fund during 2014

Top/Bottom 10	Relative Weight (%MV)	Relative Contribution (bps)	Carry effect (bps)	Curve effect (bps)	Credit effect (bps)	Residual (bps)	Currency (bps)
Mexico	3.78	50	27	25	-4	2	0
Russia	-1.75	41	-11	7	47	-3	0
Ukraine	-0.93	35	-13	-1	49	0	0
India	1.60	25	8	12	11	-2	-4
Indonesia	-0.25	25	-8	-1	35	-1	0
Chile	0.38	20	0	12	5	2	0
Brazil	0.67	17	7	8	5	-4	0
Argentina	0.16	11	2	1	9	-1	0
Panama	1.04	11	5	2	3	1	0
Sri Lanka	0.76	10	4	1	5	0	0
Poland	-0.26	-11	-1	-2	-1	0	-7
Philippines	-1.40	-13	-7	-2	-3	0	0
Hong Kong	-1.81	-13	-4	-4	-4	-2	0
Colombia	-1.90	-17	-8	-7	0	-1	0
Qatar	-2.88	-19	-9	-13	3	0	0
Nigeria	1.09	-20	8	1	-27	-2	0
Israel	-2.89	-20	-12	-10	1	1	0
Singapore	-1.94	-21	-5	-5	-13	1	0
Turkey	-1.46	-22	-8	-5	-8	-1	0
Kazakhstan	0.19	-23	-4	3	-11	0	-10





Active asset allocation is important, in addition to active country, sector and security selection



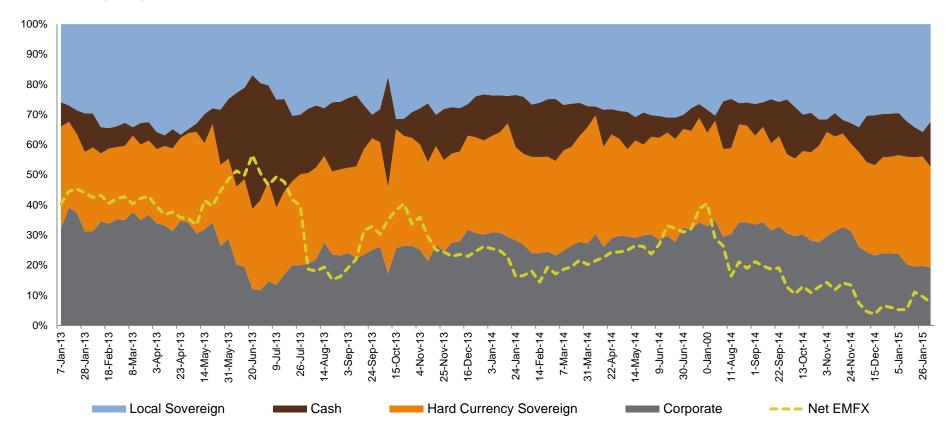


Historical asset allocation: JPMorgan Funds - Emerging Markets Strategic Bond Fund

As at 2nd February 2015

JPMorgan Funds - Emerging Markets Strategic Bond Fund

Sector allocation (% MV)



Source: J.P. Morgan Asset Management.

The Fund is an actively managed portfolio; holdings, sector weights, allocations and leverage as applicable, are subject to change and the Fund is managed to internal guidelines which are not absolute and can change over time. The targets and aims provided are the Investment Manager's targets and aims only.

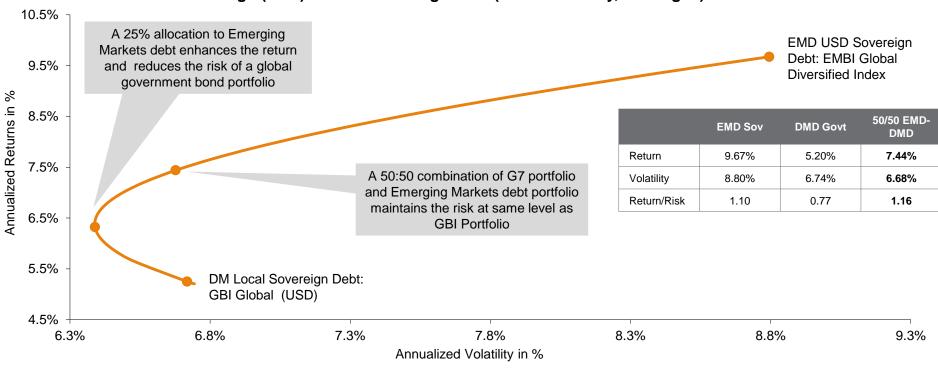


Role of Emerging Market Debt in Client Portfolios



Adding EM Sovereign to Global Govt bonds can enhance the yield and reduces the risk of the portfolio

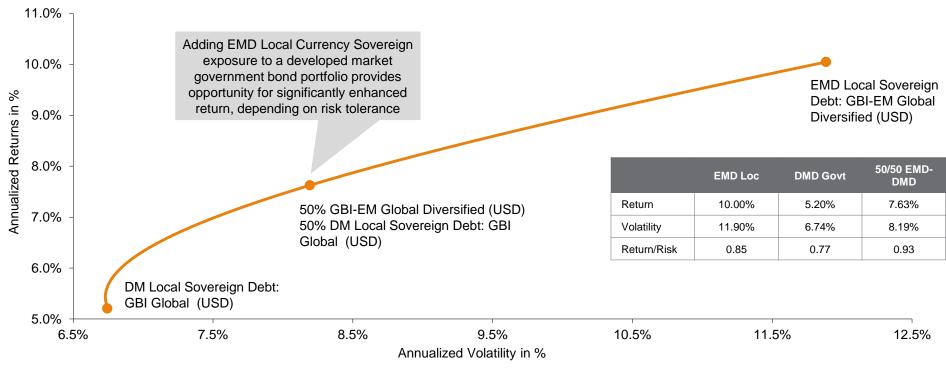
Efficient frontier for EM Sovereign (USD) and DM Sovereign Debt (Local Currency, unhedged)



Source: J.P. Morgan Asset Management, Bloomberg, July 2014, For illustrative purposes only

Adding EM Local Currency Government to Global Govt bonds portfolio has diversification benefits

Efficient frontier for EM Sovereign (Local Currency, unhedged) and DM Sovereign Debt (Local Currency, unhedged)



Source: J.P. Morgan Asset Management, Bloomberg, July 2014, For illustrative purposes only

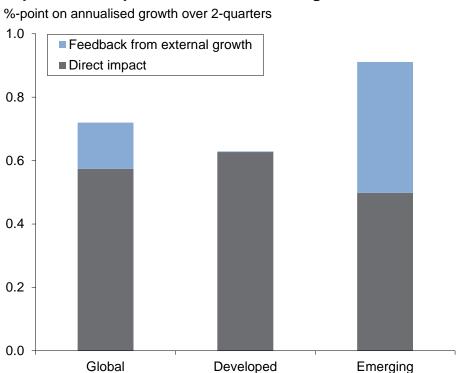


Outlook

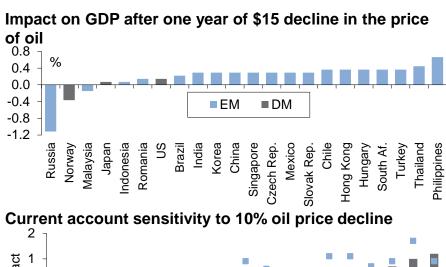


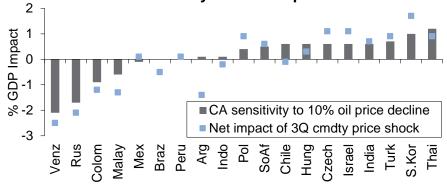
The impact of weaker oil is not uniform across EM

Impact from oil price shock on real GDP growth





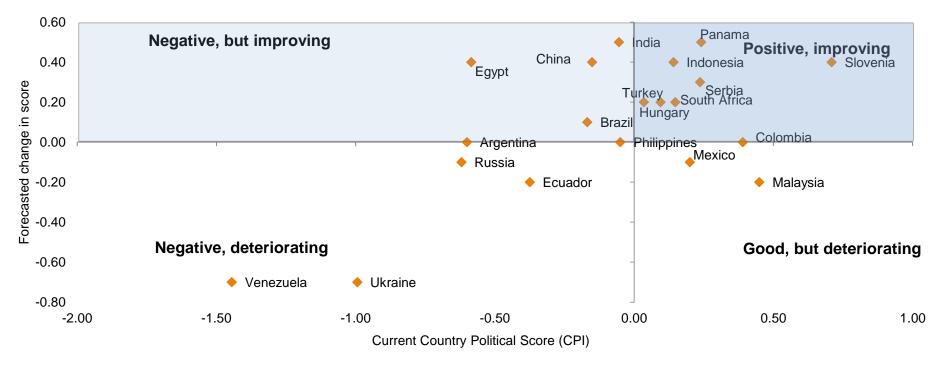






Axes of differentiation: where are the reform stories?

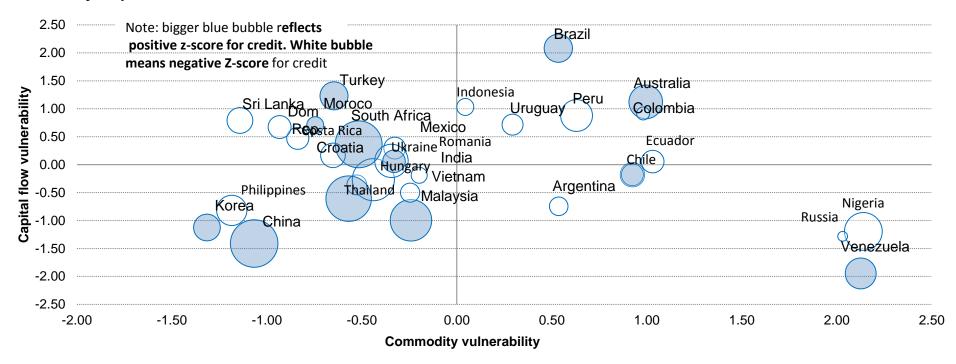
Country political score



Source: J.P. Morgan Asset Management, December 2014

Axes of Differentiation: commodities, credit, and capital flows

Commodity, capital flow and credit vulnerabilities



Source: J.P. Morgan Asset Management. Data Sources: UNCTAD, World Bank and S&P. Commodity vulnerability: normalised score which includes both share of commodity exports and terms of trade gains. Capital flow vulnerability: normalised score which includes current account position and net external liabilities, expressed in terms of current account revenues. Credit vulnerabilities: normalised score which includes both total domestic credit (including credit to government) and domestic credit growth.



Disinflation spreading throughout EM

JPMAM EM inflation pressure gauge regional summary 8 -EMEA LatAm -Asia Total 6 4 -2 -4 -6 -8

2007

2008

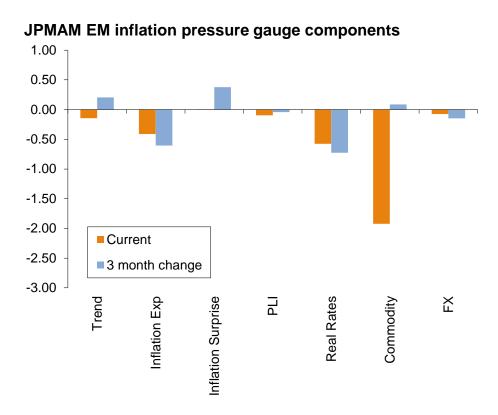
2009

2010

2011

2012

2013



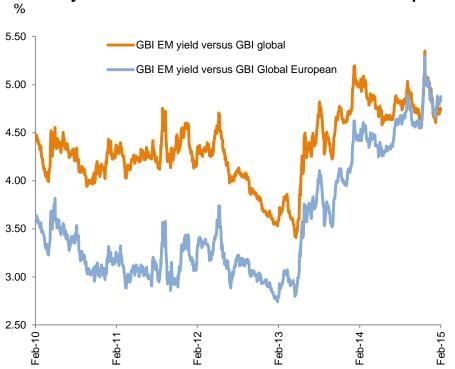
Source: J.P. Morgan Asset Management, December 2014. Our proprietary EM inflation pressure gauge systematically tracks inflationary pressures in EM countries. PLI: proprietary leading indicators.

2014

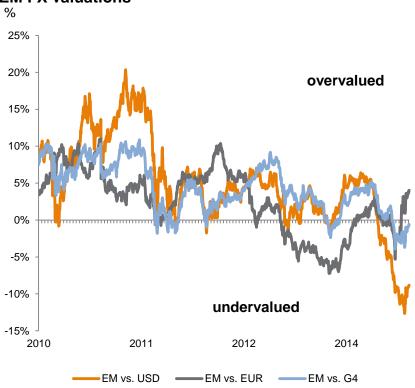


EM Local Currency Debt valuations look attractive

GBI-EM yield versus **GBI** Global and **GBI** Global European



EM FX valuations

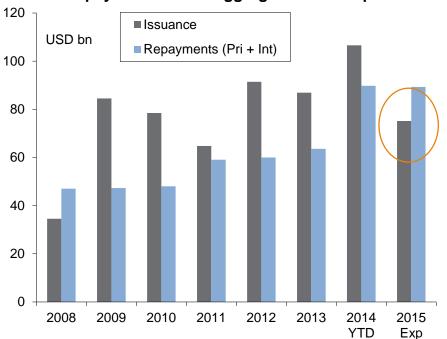


Source: J.P. Morgan Asset Management. Data as of February 26, 2015.



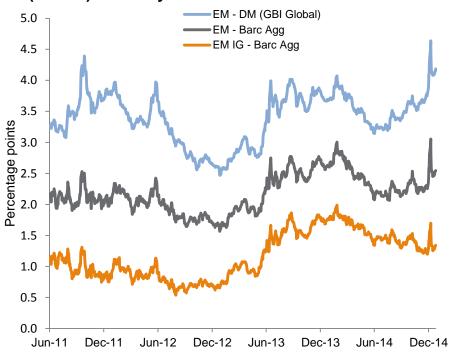
EM Sovereign: favourable supply pipeline, attractive valuations

Negative net sovereign supply expected in 2015, with heaviest repayments in Q1. Aggregate EM debt profile.



Source: J.P.Morgan Asset Management. Barclays. Deutsche Bank. Forecasts, projections and other forward looking statements are based upon current beliefs and expectations. They are for illustrative purposes only and serve as an indication of what may occur. Given the inherent uncertainties and risks associated with forecasts, projections and other forward statements, actual events, results or performance may differ materially from those reflected or contemplated. December 2014

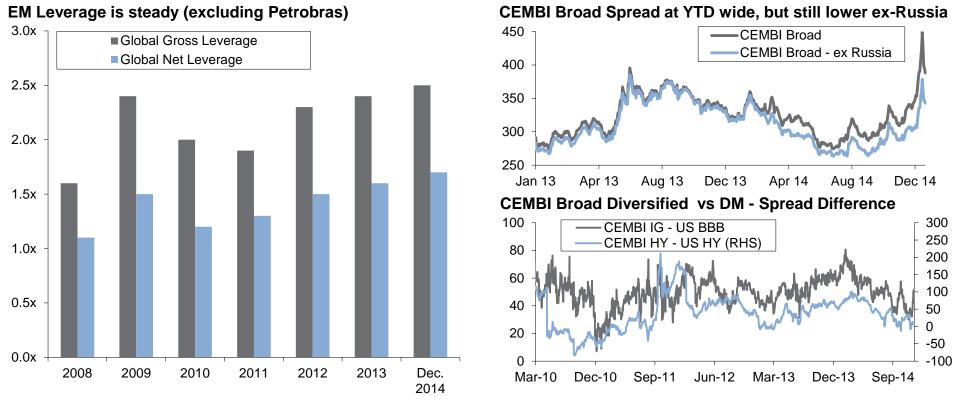
EM (EMBIG) vs DM - yield difference



Source: JPMorgan, Barclays. *EMBIG: JPMorgan EMBI Global Index. Barc Agg: Barclays Aggregate. January 2015



EM Corporates: fundamentals decline on the margin, solvency not an issue



Source: J.P.Morgan Asset Management, December 2014. CEMBIBD: JPMorgan Corporate Emerging Market Bond Index Broad Diversified. Indices do not include fees or operating expenses and are not available for actual investment. Past performance is not an indication of future performance.



Investment Objectives and key risks

JPMorgan Funds - Emerging Markets Corporate Bond Fund

Investment Objective

To achieve a return in excess of corporate bond markets of emerging market countries by investing primarily in emerging market corporate debt securities, using financial derivative instruments where appropriate.

Risks

The value of your investment may fall as well as rise and you may get back less than you originally invested.

The value of debt securities may change significantly depending on economic and interest rate conditions as well as the credit worthiness of the issuer. Issuers of debt securities may fail to meet payment obligations or the credit rating of debt securities may be downgraded. These risks are typically increased for emerging market and below investment grade debt securities.

In addition, emerging markets may be subject to increased political, regulatory and economic instability, less developed custody and settlement practices, poor transparency and greater financial risks. Emerging market currencies may be subject to volatile price movements. Emerging market and below investment grade debt securities may also be subject to higher volatility and lower liquidity than non emerging market and investment grade debt securities respectively.

The credit worthiness of unrated debt securities is not measured by reference to an independent credit rating agency.

The Sub-Fund may be concentrated in a limited number of emerging market corporate issuers and as a result, may be more volatile than more broadly diversified funds.

The value of financial derivative instruments can be volatile. This is because a small movement in the value of the underlying asset can cause a large movement in the value of the financial derivative instrument and therefore, investment in such instruments may result in losses in excess of the amount invested by the Sub-Fund.

Movements in currency exchange rates can adversely affect the return of your investment. The currency hedging that may be used to minimise the effect of currency fluctuations may not always be successful.

JPMorgan Funds - Emerging Markets Strategic Bond Fund

Investment Objective

To achieve a return in excess of the benchmark by exploiting investment opportunities in emerging market debt and emerging market currency markets, using financial derivative instruments where appropriate.

Risks

The value of your investment may fall as well as rise and you may get back less than you originally invested.

The value of debt securities may change significantly depending on economic and interest rate conditions as well as the credit worthiness of the issuer. Issuers of debt securities may fail to meet payment obligations or the credit rating of debt securities may be downgraded. These risks are typically increased for emerging market and below investment grade debt securities.

In addition, emerging markets may be subject to increased political, regulatory and economic instability, less developed custody and settlement practices, poor transparency and greater financial risks. Emerging market currencies may be subject to volatile price movements. Emerging market and below investment grade debt securities may also be subject to higher volatility and lower liquidity than non emerging market and investment grade debt securities respectively.

The credit worthiness of unrated debt securities is not measured by reference to an independent credit rating agency.

Asset-backed securities may be highly illiquid, subject to adverse changes to interest rates and to the risk that the payment obligations relating to the underlying asset are not met.

The Sub-Fund may be concentrated in a limited number of countries, sectors or issuers and as a result, may be more volatile than more broadly diversified funds.

The value of financial derivative instruments can be volatile. This is because a small movement in the value of the underlying asset can cause a large movement in the value of the financial derivative instrument and therefore, investment in such instruments may result in losses in excess of the amount invested by the Sub-Fund.

The possible loss from taking a short position on a security may be unlimited as there is no restriction on the price to which a security may rise. The short selling of investments may be subject to changes in regulations, which could adversely impact returns to investors.

Movements in currency exchange rates can adversely affect the return of your investment. The currency hedging that may be used to minimise the effect of currency fluctuations may not always be successful.



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