18 October 2007
Fixed Income Research
http://www.credit-suisse.com/researchandanalytics

CREDIT SUISSE

Introducing Credit Suisse's Emerging Market Corporate Bond Index (CS-EMCI)

Contributors

Index Products
Baldwin Smith
+1 212 325 5524
baldwin.smith@credit-suisse.com

Deepak Agnani
+1 212 325 1559
deepak.agnani@credit-suisse.com

Brian Coco
+1 212 538 1906
brian.coco@credit-suisse.com

Louis Lian Liu
+1 212 538 6710
louislian.liu@credit-suisse.com

Eric Isenberg
+1 212 538 9143
eric.isenberg@credit-suisse.com

Asia Credit Research
Damien Wood
Director
+65 6212 3195
damien.wood@credit-suisse.com

Colin Teo
Assistant Vice President
+65 6212 3136
colin.teo@credit-suisse.com

Latin America Credit Research
Jamie Nicholson
Managing Director
+1 212 538 6769
jamie.nicholson@credit-suisse.com

Eduardo Vieira
Director
+1 212 325 5999
eduardo.vieira@credit-suisse.com

A diversified basket of US$ Emerging Market corporate bond issues

Credit Suisse's Emerging Market Corporate Index (CS-EMCI) provides a benchmark for Emerging Market (EM) corporate debt that represents the characteristics, pricing and total return performance of different asset classes within the EM corporate universe. The EM Corporate Index provides an accurate representation of market volatility, industry trends and risk perception. Daily pricing of all instruments in the index is provided by Credit Suisse traders in various regions, based on actual transaction and market-making activities.

The index is composed primarily of liquid, tradable corporate bonds issued by Latin American, Eastern European and Asian (ex-Japan) corporations in USD. By allowing the user to break down the index into various asset classes and categories, the index provides a useful benchmark for both dedicated and crossover investors of EM corporate debt. The structure of the index ensures meaningful risk measures for both performing and non-performing assets.

The CS-EMCI provides an advanced Workbench technology that allows users to construct various sub-indices by ratings, maturities, category, sector and region, making it easy to conduct rigorous comparative analysis across different asset classes, and across different countries and regions. This ability to perform comparative analysis by region offers a unique perspective to EM corporate investors. The CS-EMCI also offers great flexibility in customizing benchmark portfolios to meet specific investment objectives. In addition, all CS-EMCI Index data is available on our LOCuS platform.

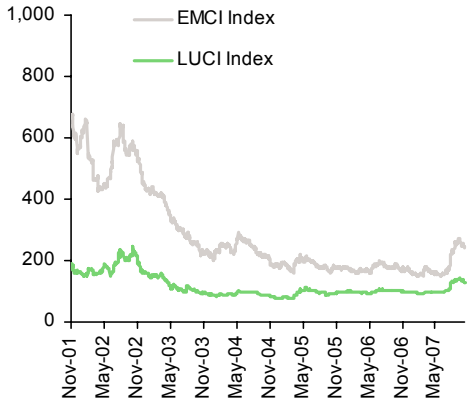
ANALYST CERTIFICATIONS AND IMPORTANT DISCLOSURES ARE IN THE DISCLOSURE APPENDIX. FOR OTHER IMPORTANT DISCLOSURES, PLEASE REFER TO https://firesearchdisclosure.credit-suisse.com.

The EM Corporate Bond Market

EM corporate debt historically has been perceived as a more risky investment than US or Western European high grade corporate debt, since the bondholder must be aware of political risk and sovereign economic risk, in addition to the concerns of inflationary risk and default risk. Additionally, the bankruptcy codes in EM jurisdictions often do not provide the same creditor protections as in more developed markets. For these reasons, investors in EM corporate debt historically have been rewarded with higher spreads to compensate for their increased risk.

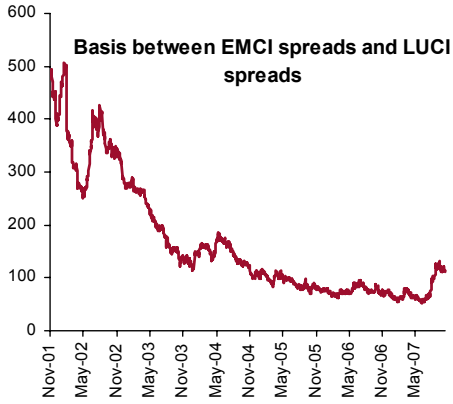
Since November 2001 (when we began tracking the CS-EMCI) EM corporate bonds have tightened to near historical lows. The trend can be seen across all countries in Latin America, Eastern Europe and Asia ex-Japan despite their differing political environments. During this period, the basis between EM corporate spreads and US/Western Europe corporate spreads has also substantially declined.

Exhibit 1: CS-EMCI Benchmark Spreads vs. Liquid US Corporate Index (LUCI) Spreads



Source: Credit Suisse

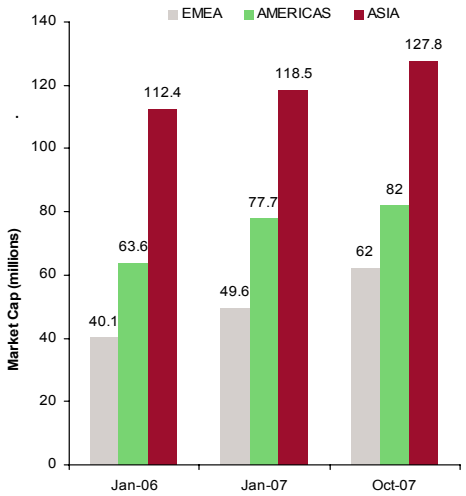
Exhibit 2: Basis Between CS-EMCI Spreads and LUCI Spreads



Source: Credit Suisse

Encouraged by significantly increased investor demand, and a more favorable lending environment, more and more EM corporations are taking advantage of the opportunity to raise money through bond issuance. At the same time, many EM sovereigns have repurchased their foreign currency debt. Consequently, the EM corporate debt market has grown at a much faster rate than the EM sovereign debt market. At index inception, in November 2001, the CS-EMCI consisted of 154 corporate bonds with a total market cap of $48 billion. As of October 2007, the CS-EMCI contained 664 issues with a market cap of approximately $272 billion.

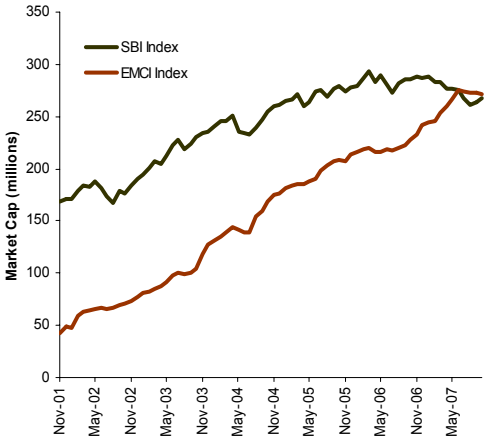
Exhibit 3: Market Cap By Asset Class



Source: Credit Suisse

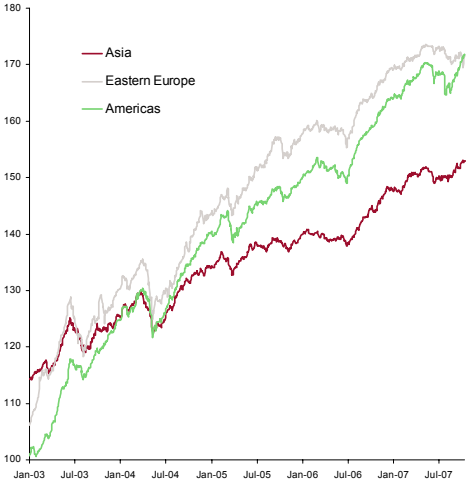
Exhibit 4: Market Cap of CS-EMCI vs. Credit Suisse's Sovereign Index (SBI)

Index weights by market value as of Oct. 2007



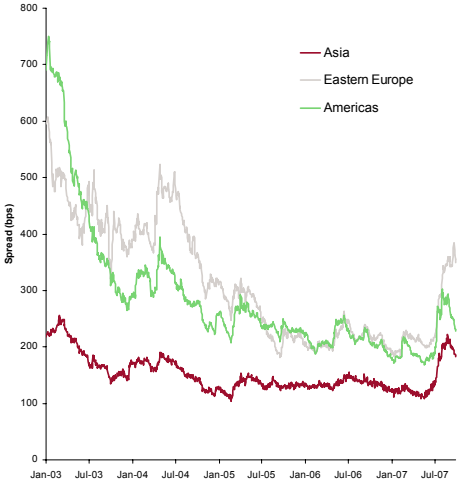
Source: Credit Suisse

Exhibit 5: CS-EMCI Returns By Region



Source: Credit Suisse

Exhibit 6: CS-EMCI Spreads By Region



Source: Credit Suisse

CS-EMCI Bond Selection Process

Issuer Type

- Bonds issued by corporations based in Latin America, Eastern Europe and Asia ex-Japan are included in the index.
- Bonds issued by quasi-sovereign and supranational issuers in Eastern Europe, Latin America, or Asia ex-Japan are eligible for inclusion. An issuer is considered quasi-sovereign if the company is over 50% owned by the federal government. An issuer may also be considered quasi-sovereign if there is implicit government support of its debt.
- No Treasury or sovereign issues are included in the index.

Issuer Selection

The bond selection process in the CS-EMCI is a combination of rule-based inclusion criteria and market-activity-driven decisions.

Bond Inclusion Criteria

- Only US$-denominated bonds are included in the index.
- A minimum of $100 million remaining face amount outstanding is required for a bond to be included in the index.
- All bonds must be issued under the jurisdiction of a country in Latin America, Eastern Europe or Asia ex-Japan.
- Loans are not included in the index.
- All performing securities must have a minimum of one year to maturity. Non-performing securities have no maturity date requirements, but will be removed as soon as they are restructured and a new bond is issued in its place.
- The maturity must be at least two years at the date of issuance.
- If both a bond issued under Reg S and a bond issued under 144A exist, the Reg S version of the bond will be included in the index. If a public bond is issued, the public bond will be included while the private issues will be excluded.
- Only liquid bonds are included in the index. If a bond has less than one year to its next call date and is no longer actively traded, the bond is eligible to be removed from the index.

Rebalancing

The bond list for the CS-EMCI index is updated once a month (at the end of each month) to ensure the index accurately reflects the new issuance in the EM Corporate market. Updates to the bond-level composition are made on the first business day of each month. Credit Suisse data analysts in each region provide updates on changes arising from re-openings, buybacks, new issuance activity, exchanges, exercised options or any rating changes. These characteristics remain constant throughout the month. The new universe of bonds is simply last month's composition, taking into account the new additions and drops triggered by the inclusion criteria for the index.

Transaction Cost

The index does not take into account transaction costs (bid-offer spreads). Bid-side prices are used for the daily bond index calculations as well as for adding bonds to the index.

Coupon or Amortization Reinvestment

For the month during which a coupon or amortization is paid, the cash flow is assumed to be reinvested at a fixed money-market rate until the end of the month. The reinvestment rate is based on the USD 1M LIBOR rate as of the last business day of the previous month. The reinvestment rate is applied to the actual number of days between the coupon or amortization payment date and the last calculated index day. At the end of each month, the total coupon and amortization payments will be reinvested in the index.

Maturity Breakdown

The CS-EMCI index and its sub-indices can be broken down by maturity bucket. The maturity tenors are 0-4 years, 4-7 years, 7-10 years, and 10PLUS years. Bonds that are callable or putable are classified into maturity buckets based on their next option dates. This is true for both non-perpetual and perpetual securities. Defaulted bonds are placed into a Non Performing bucket because they are not trading to their maturity date.

Asset Class Rule

The CS-EMCI index will be broken down into High Grade, High Yield and Distressed asset classes. The subdivision will help users focus on the performance of a particular asset class. While defaulted debt represents a relatively small percentage of the index at the present time, it did represent a significantly larger percentage in the past with the default of companies in Asia in the late 1990s and in Argentina in 2002. Our current environment of increased economic uncertainty and more new issuance from low-rated EM credits may lead to a larger distressed asset class in the future.

If one or more of the three major rating agencies, defined as Moody's, S&P and Fitch, have rated a bond investment grade, then the bond will be placed in the High Grade asset class; otherwise, the average rating of the three agencies will be used to determine the appropriate asset class. If the average rating is below CCC, then the bond is considered to be in distress. If the average rating of the bond is above CCC and below BBB-, then the bond will be considered High Yield. If a company is unrated by the three rating agencies, EM Research Analysts will determine an asset class for the bond.

If a country defaults, then EM Research Analysts will assess the companies' exposure to sovereign risk in order to determine their probability of default. Companies considered to be likely of defaulting will be placed in the distressed asset class, even if the rating agencies have not yet come out with updated ratings.

If a company misses a coupon payment, fails to pay a principal payment or files for Chapter 11 (or equivalent in its own jurisdiction), its bonds will be moved into the distressed asset class starting the following month. EM Research Analysts will assess the structure of all subsidiaries to determine their probability of default and assign an asset class.

Region Breakdown

The region breakdown will enable users to assess the performance of bonds by region, and by country. Issuance by subsidiaries located in the Cayman Islands, Jersey, Mauritius or the Bahamas will be classified based on the location of their parent company. It is common practice for issuers in emerging markets to issue debt under the jurisdiction of another country. In these cases, the country of risk of the issuer will be used.

Category Breakdown

The CS-EMCI Index will be broken down into Quasi-Sovereign, Corporate, and Supranational categories. Quasi-Sovereign and Supranational bonds have historically tighter spreads. The category breakdown was designed to enable users to analyze the CS-EMCI with or without these categories. We define quasi-sovereign bonds as bonds of

companies which are more than 50% owned by the government, or companies which are implicitly supported by the government. Examples would include Pemex, Korea Electric Power and Petrobras, among others. The only supranational in the CS-EMCI index as of October 2007 is CAF, located in Venezuela.

Exhibit 7: CS-EMCI Sector Tree

CS-EMCI Index	Financial	Bank	Global Commercial/Retail Banks European Commercial/Retail Banks Asian Commercial/Retail Banks Latam Commercial/Retail Banks
		Finance	Broker Dealers Commercial Finance Consumer Finance
		Insurance	GIC Life Insurance Multiline Insurance Property & Casualty
	Conglomerates	Conglomerates	Conglomerates
	Industrial	Basic Industries	Building Materials/Home Chemicals Construction Metals & Mining Paper/Forest Steel Products
		Consumer Products	Beverage Food Food & Beverage Household Miscellaneous Texttile & Apparel Tobacco
		Energy	Drilling & Service Independent E&P Integrated Refining & Marketing
		Gaming & Lodging	Casino Hotel Lodging Resorts/Theme Parks
		Healthcare	Hospital Managed Care Medical Products Pharmaceuticals
		Manufacturing	Aerospace & Defense Autoparts Autos Diversified Manufacturing Machinery/Electronics
		Media	Media
		Miscellaneous	Miscellaneous
		Real Estate	Real Estate Development
		Retail	Broadlines Discount Food & Drug Specialty Retailers
		Technology	Computers & Peripherals Electronics Distributor Precision Software & Services Telecom Equipment
		Telecom	Global Telecom European Telecom Asian Telecom Latam Telecom
		Transportation	Airline Highways Land Transport Marine Transport Railroads
	Utility	Electric Utilities	Integrated/Electric Generating Company
		Gas Pipelines	Diversified T&D
		Water	Water
	Public	State Guaranteed	State Gtd (Corp) State Gtd (Fin)
		Supranational	Supranational

Source: Credit Suisse

Index Breakdown

The CS-EMCI can be broken down by rating buckets, maturity buckets, and sectors. These subdivisions will enable users to analyze smaller subsets of the overall market.

Index Ranking

The Index Ranking (Index Rank on our reports) is used to judge the ratings of the aggregate index as well as its constituent sub-sectors. For an issue rated by Fitch, Moody's and S&P, the average ranking will be used.

Exhibit 8: Index Rating Table

S&P and Fitch Ratings	Moody's Ratings	Ratings Key
1 – AAA	1- AAA	
2 – AA+	2 – Aa1	
3 – AA	3 – Aa2	
4 - AA-	4 – Aa3	
5 – A+	5 – A1	
6 – A	6 – A2	
7 – A-	7 – A3	
9 – BBB+	9 – Baa1	
10 – BBB	10 – Baa2	**1 = AAA**
11 – BBB-	11 – Baa3	**2 through 4 = AA**
12 – BB+	12 – Ba1	**5 through 7 = A**
13 – BB	13 – Ba2	**9 through 11 = BBB**
14 – BB-	14 – Ba3	**12 through 14 = BB**
15 – B+	15 – B1	**15 through 17 = B**
16 – B	16 – B2	**19 through 21 = CCC**
17 – B-	17 – B3	**22 = CC**
19 –CCC+	19 –Caa1	**0=Not Rated/Other**
20 –CCC	20 –Caa2	
21 –CCC-	21 –Caa3	
22 –CC	22 –Ca	
26 –C	26 –C	
31 –D	31 –D	
0 –Not Rated	0 –Not Rated	

Source: Credit Suisse

Index Inception

The CS-EMCI index has historical data available from November 1, 2001, allowing users to view an accurate picture of the market performance. By having a six-year history, users of the CS-EMCI index will be able to analyze emerging market corporate bond performance in different market environments.

Index Measures

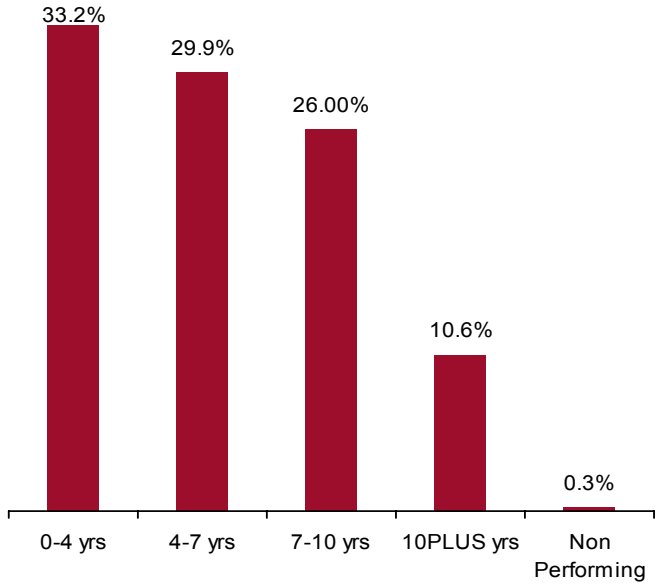
All of the index measures are calculated for all levels of the aggregate index, including the individual bonds that make up the index. Market capitalization weighting is used for all index characteristics, excluding average price and average coupon, where principal outstanding is used. The weightings are fixed as of the last business day of the previous month. The index measures are as follows:

- Number of issues, par amount, adjusted par amount, market value;
- Average life, coupon, remaining term, street yield, yield-to-next-option, yield-to-maturity, current yield, modified duration, and Macaulay duration.

- The street yield is a yield calculation based on the yield convention being used by traders, in nearly all cases this would be a yield-to-worst calculation. In some circumstances the market has knowledge that a call will not be exercised and the next call date will be disregarded in the street yield calculation. If a put option is in the money, then the yield-to-put will be used as the street yield.
- Yield-to-next-option is the yield to the next call or put scheduled for the bond.
- Yield-to-maturity is a standard calculation for most bonds. For perpetual, fixed-to-float and FLIRB bonds, the yield-to-maturity will contain the yield-to-call, since no assumed maturity dates or coupon rates are used.
- Spread to Benchmark, Swap Spread, I-Spread and Z-Spread (daily, month to date and year to date). For consistency purposes, spreads for all regions, including Asia and Eastern Europe, are calculated based on the US Treasury yield curve and US swap curve at the close of the US business day.
- Total returns (daily, month to date and year to date).
- For non-performing bonds only total returns will be calculated. Total returns for non-performing bonds will consist of only price returns since no interest will be accrued for these securities. All other measures on non-performing bonds will be excluded from index aggregations.

Exhibit 9: CS-EMCI By Maturity

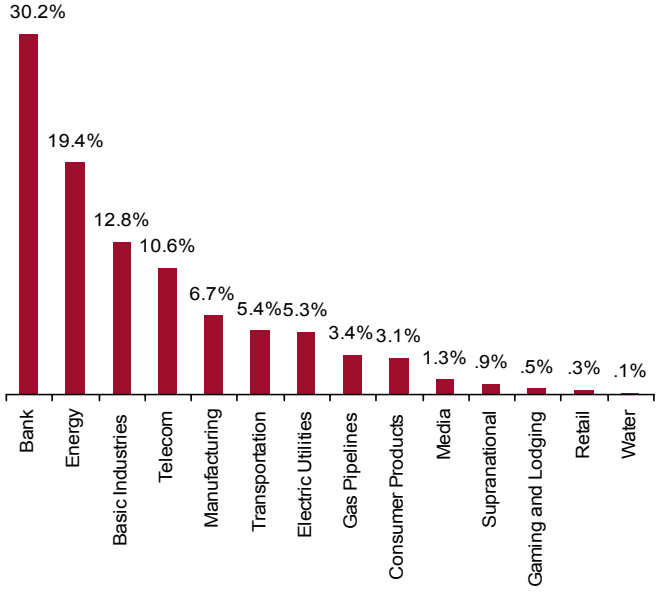
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 10: CS-EMCI By Sector

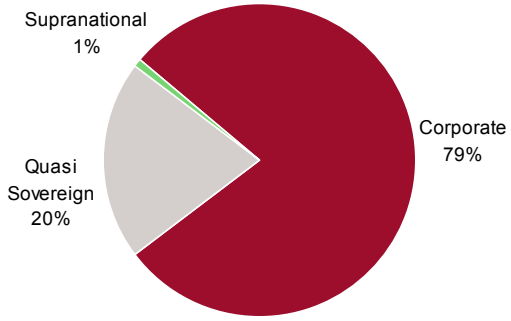
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 11: CS-EMCI by Category

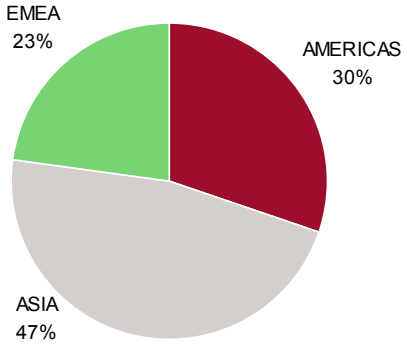
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 12: CS-EMCI by Region

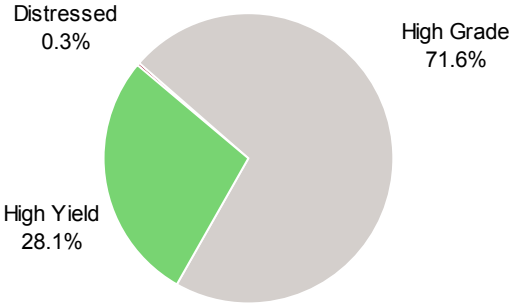
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 13: CS-EMCI by Asset Class

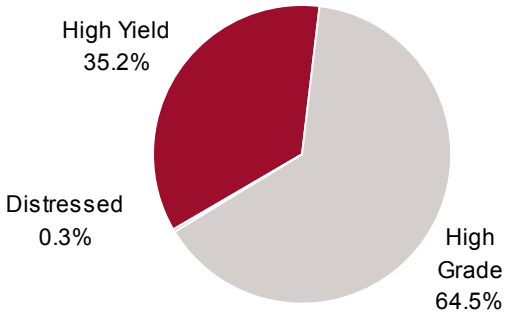
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 14: CS-EMCI Corporates by Asset Class (Excludes Quasi-Sovereigns and Supranationals)

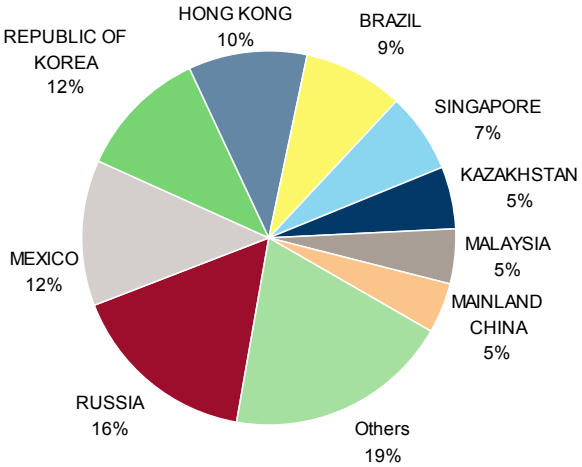
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 15: CS-EMCI by Country

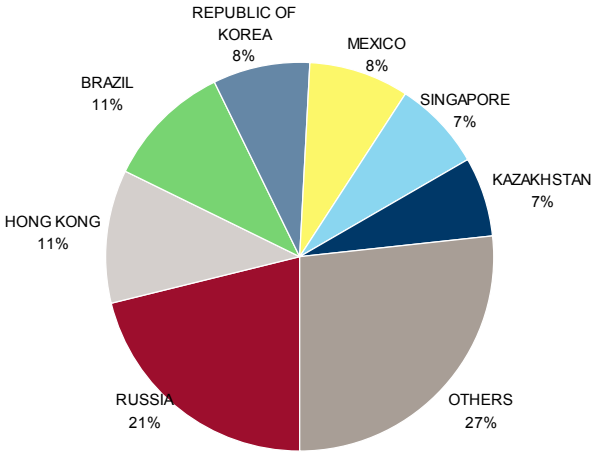
Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Exhibit 16: CS-EMCI Corporates by Country (Excludes Quasi-Sovereigns and Supranationals)

Index weights by market value (%).Index as of Oct. 2007



Source: Credit Suisse

Credit Suisse's CS-EMCI Index Website

Accessing the site through Credit Suisse Research & Analytics:

- Go to http://www.researchandanalytics.com.
- Enter your Credit Suisse Research and Analytics username and password and you will be admitted into the site.
- Select the FIXED INCOME tab on the horizontal menu bar at the top of the screen.
- Choose High Grade Products from the drop-down menu. On the left navigation bar, click on FI Liquid Indices, then click on EMCI. (Alternatively, you can select Emerging Markets from the drop-down menu and, on the left navigation bar, click on Indices).
- You will then have a choice to engage our Analysis or Reports areas.

Accessing the site through Locus:

- Go to http://www.credit-suisse.com/locus.
- On the left navigation bar, under the tools tree menu, select Indices.
- Click on the CS-EMCI Index.
- You will then have a choice to engage our Analysis or Reports areas.

Our Direct link is: https://gcs.csfb.com/emci/home.asp

Credit Suisse's CS-EMCI on Bloomberg

- Type CSLI <GO> to access all of Credit Suisse's Fixed Income Index products. Choose EM Corporate Index to access CS-EMCI index aggregations.
- Alternatively, you may simply enter CEMB <GO> to take you directly to the EM Corporate Bond Index page.

Analysis

The CS-EMCI Workbench, a user-friendly application, provides flexibility for clients to manipulate all index information according to their preferences. Clients can slice and dice the EM Corporate Bond Index into specified sub-categories, such as Industry, Asset Class, Region, Maturity, and Rating, and use the resulting data to generate six types of analysis from the CS-EMCI Report Builder. Available analyses include: Times Series Reports, Cross-Dimensional Reports, Single Date Standard Reports, Custom Dimension Reports and Composition Reports. Users can also drill down to the performance and characteristics of individual bonds that comprise the index. All data retrieved from the CS-EMCI Report Builder can be downloaded to an Excel spreadsheet for further manipulation. Using the Saved Reports option, the user may also save and retrieve custom reports generated using the Report Builder through the website or directly via Excel.

Using the Report Builder

From within the CS-EMCI Workbench, enter the Report Builder area by clicking on Go. Select the type of report you wish to generate using the drop-down menu at the top of the page.

Creating a Time Series Report

Select Time Series from the drop-down menu.

In the Highlight area, you will need to define the following:

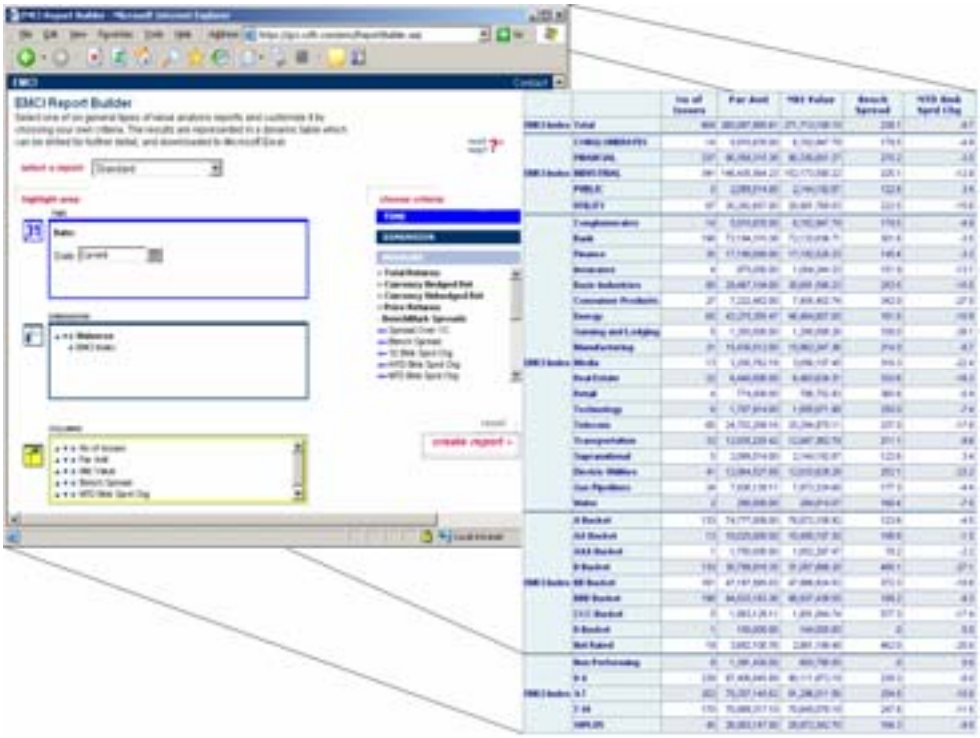
- Under Rows, select the time interval. Click once on the Interval box to highlight it. Then, in the Choose Criteria box to the right, click once on the desired time interval.
- Next, back in the Interval box on the left, you must choose the data parameters for the time series. From the calendar pop-up icons, select a From and To time frame. You may also indicate a Relative Date, which is described in greater detail in the Saved Reports area description.
- After selecting a time interval, highlight the Columns by clicking once, and then select the dimension from the menu on the right. You may choose as many dimensions as you like. To view the CS-EMCI index select the EMCI Index.
- Finally, highlight the Measures box and select from the right-hand side menu the appropriate measures for your report.

Now that the report criteria are set, click on Create Report and it will generate a new browser window with the report results. Further drill-down is available by clicking any of the dimensions and data that highlight in red when the mouse is rolled over them.

Follow the same procedure to generate the other three types of reports.

The Standard report requires just one date and one universe. It shows you a one-day snap shot of the entire CS-EMCI index with different sub-sector pre-selected for you.

Exhibit 17: Example of a Standard CS-EMCI Report



Source: Credit Suisse

The Cross Dimensional report also requires just one date, but you will need to specify which dimensions you want in the respective rows and columns. This allows for greater flexibility in customizing a report.

The Custom Dimension report lets you create your own custom aggregation time series by the sector you choose. For example, if you wanted to look at a historical time series performance of the CS-EMCI index excluding the Bank sub-sector, this report would enable you to accomplish this.

The Composition report simply displays all of the index bonds along with all possible measures for the date and universe specified.

Additional Drill-Down Feature

Further drill-down is available by clicking any of the dimensions or data that highlight in red when a mouse is rolled over them. This feature will let you see all the bonds and their chosen measures for that specific index, e.g., clicking on a number in the CS-EMCI Energy sector gives you the following result.

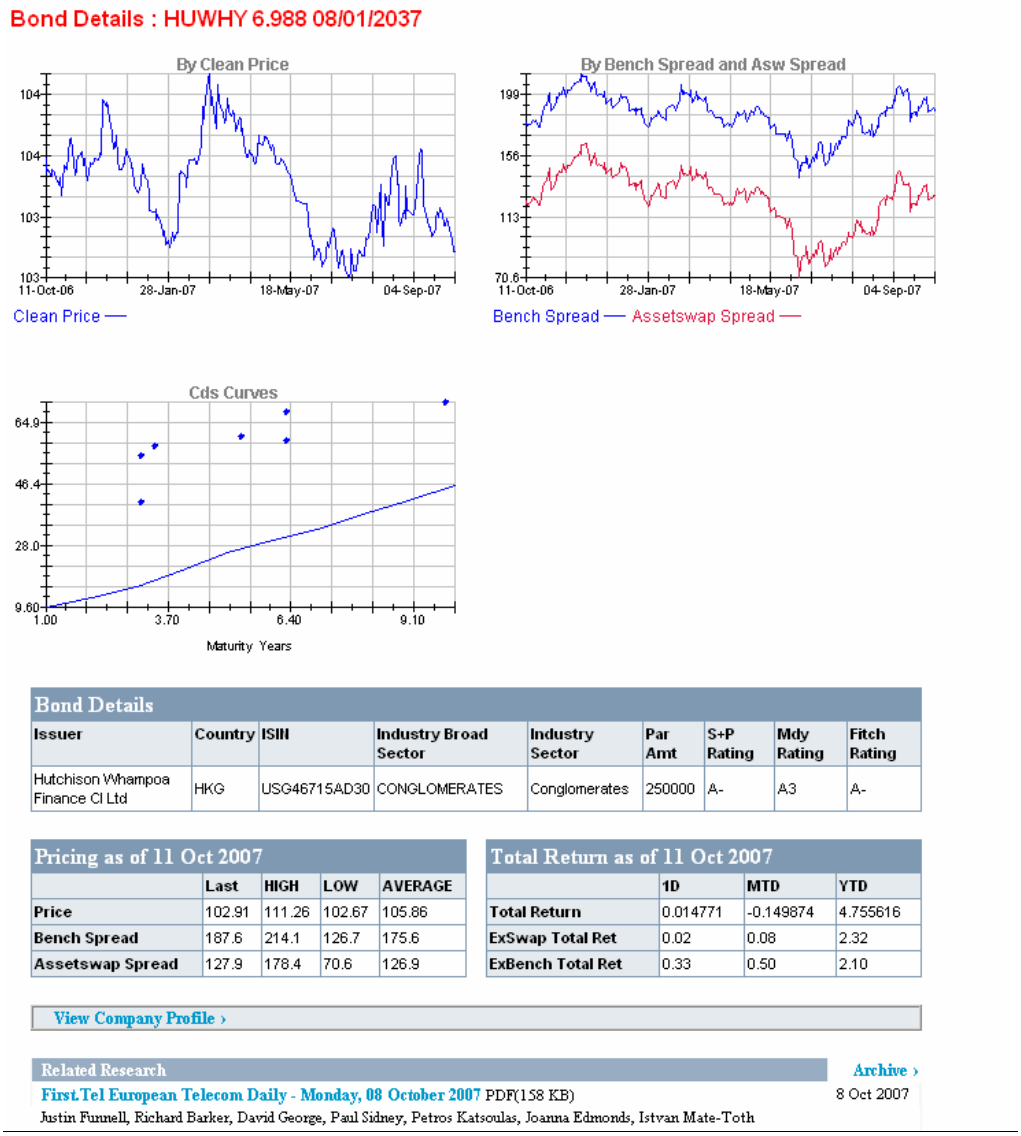
Exhibit 18: Drill-Down of the CS-EMCI Gas Pipelines Sector

			Bond	Coupon	ISIN	No of Issues	Par Amt	Mkt Value	Bench Spread	MTD Bmk Sprd Chg
TS	G	BD	INTERG 6.375 05/14/2017	6.375	USN45748AB15	1	600,000.00	590,579.33	233.1	30.8
TS	G	BD	INTERG-REGS 6.875 11/04/2011	6.875	USN45748AA32	1	250,000.00	256,076.56	203.8	-3.3
TS	G	BD	KOMIPO 4.950 05/06/2011	4.950	US50064NAA54	1	150,000.00	148,704.38	98.1	1.8
TS	G	BD	KOMIPO 5.500 03/14/2016	5.500	USY49352AE00	1	200,000.00	198,689.22	113.9	-0.5
TS	G	BD	KORELE 5.125 04/23/2034	5.125	US500631AS53	1	300,000.00	297,727.83	36.3	-38.1
TS	G	BD	KORELE 6.000 12/01/2026	6.000	US500631AG16	1	100,000.00	101,690.33	100.8	-1.5
TS	G	BD	KORELE 7.000 02/01/2027	7.000	US500631AH98	1	300,000.00	332,063.67	112.8	-1.5
TS	G	BD	KORELE 7.750 04/01/2013	7.750	US500631AB29	1	350,000.00	399,883.36	106.4	32.4
TS	G	BD	KORGAS 4.750 11/26/2010	4.750	USY48861AE14	1	250,000.00	246,240.07	106.7	7.9
TS	G	BD	KOSEPW 4.750 06/26/2013	4.750	XS0171296600	1	150,000.00	144,442.79	101.3	1.9
TS	G	BD	KOSEPW 6.000 05/25/2016	6.000	USY4948QAD44	1	300,000.00	306,091.01	109.1	-0.4
TS	G	BD	KOSPO 5.750 07/21/2014	5.750	XS0196461817	1	150,000.00	150,134.50	99.2	-0.5
TS	G	BD	METROG 8.000 12/31/2014	8.000	USP6558LAH26	1	213,129.11	197,641.73	579.5	29.4
TS	G	BD	PANAME 7.125 10/27/2009	7.125	US69783QAC42	1	100,000.00	98,900.00	358.1	-48.2
TS	G	BD	PANAME 7.750 02/09/2012	7.750	USP74828AA55	1	250,000.00	249,364.58	377.1	-58.8
TS	G	BD	PANVA 8.250 09/23/2011	8.250	XS0200792405	1	200,000.00	213,958.33	184.7	-66.6
TS	G	BD	PGNFIN 7.500 02/24/2014	7.500	USV72685AA42	1	125,000.00	130,390.63	280.5	23.1
TS	G	BD	PGNFIN 7.500 09/10/2013	7.500	XS0176264850	1	150,000.00	154,468.75	297.1	3.4
TS	G	BD	SPOWER 3.800 10/22/2008	3.800	XS0179019822	1	600,000.00	596,220.67	85.7	16.7
TS	G	BD	SPOWER 5.000 10/22/2013	5.000	XS0179020085	1	1,000,000.00	979,417.79	110.4	3.8
TS	G	BD	SPOWER 5.000 11/04/2014	5.000	XS0204903149	1	300,000.00	290,223.33	103.9	4.4
TS	G	BD	TNEFT 5.381 06/27/2012	5.381	XS0306900795	1	700,000.00	690,682.87	131.8	8.9
TS	G	BD	TNEFT 5.670 03/05/2014	5.670	XS0288747669	1	1,300,000.00	1,259,837.27	189.3	-3.5
TS	G	BD	TNEFT 6.103 06/27/2012	6.103	XS0306899765	1	500,000.00	494,657.18	189.9	-0.8
TS	G	BD	TRAGAS 7.875 05/14/2017	7.875	USP9308RAX19	1	500,000.00	448,640.63	268.7	13.6
TS	G	BD	XINAOG 7.375 08/05/2012	7.375	XS0226321247	1	200,000.00	206,293.06	255.4	-34.2

Source: Credit Suisse

Once you have drilled down to the bond level, you can choose either graph or view the entire time series history of the data (from the inclusion date of the bond) or click on the Bond Details button (BD), which will give you a tear sheet on bond description, price and spread history, a CDS curve and a country's cash bond curve as well as related research. Select the measure with a check mark on the top of the data column as shown below. Then select the particular bond you want to analyze. The bond-level time-series data can be downloaded to Excel for further manipulation or stored as a Saved report.

Exhibit 19: Snapshot of the Bond Details Page



Bond Details

Issuer	Country	ISIN	Industry Broad Sector	Industry Sector	Par Amt	S+P Rating	Mdy Rating	Fitch Rating
Hutchison Whampoa Finance Cl Ltd	HKG	USG46715AD30	CONGLOMERATES	Conglomerates	250000	A-	A3	A-

Pricing as of 11 Oct 2007

	Last	HIGH	LOW	AVERAGE
Price	102.91	111.26	102.67	105.86
Bench Spread	187.6	214.1	126.7	175.6
Assetswap Spread	127.9	178.4	70.6	126.9

Total Return as of 11 Oct 2007

	1D	MTD	YTD
Total Return	0.014771	-0.149874	4.755616
ExSwap Total Ret	0.02	0.08	2.32
ExBench Total Ret	0.33	0.50	2.10

Source: Credit Suisse

Graphic Analysis

Graphic Analysis enables users to graph one or many Indices/issuers/issues. This allows for flexible comparison analysis on all possible data in the CS-EMCI and LUCI (Liquid U.S. Corporate Index). For example, the user can compare the spread to benchmark of the CS-EMCI to the LUCI on the same graph. The underlying data for this graph is also available by clicking on the Excel button. Users can compare bench spreads or any of the various measures available on the Graphic Analysis tool. The directions on how to use this tool are below:

First, determine what date range is needed. A default has been set to All Data; however, the range using the date fields can be changed. A calendar pop-up will display all available dates. Select an index, an issuer, or an issue under Primary Selection to build a graphic analysis. Refine your selection using the available options.

Graph Single Series:

To graph a single series, you need to define an index, an issuer, or an issue under Primary Selection. Then choose the measure you desire and generate a chart by clicking "create graph."

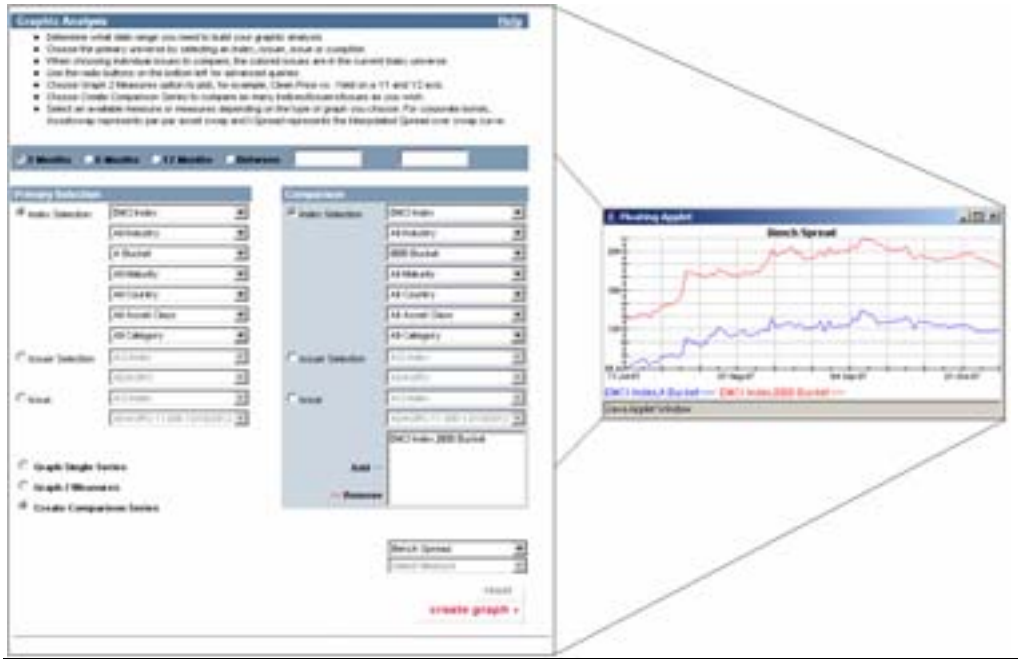
Graph Two Measures:

You are only able to graph two measures in a Graph Single Series Report. This will allow you to choose two measures on a single graph based on the choice of your index/issuer/issue selection.

Create Comparison Series:

To create a Comparison Series, you first need to define an Index/Issuer/Issue selection under Primary Selection and then click on the "Create Comparison Series" button. This will activate the "Comparison " section. First choose from Index, Issuer, or Issue. Then use the drop-down menus to refine those selections. Click on "Add" to build a list of comparison data. You may add as many Index/Issuer/Issue selections as desired. To remove any selection, highlight that selection in the "Add/Remove" box and then click on "Remove". Finally, choose one measure for the graph before clicking on "create graph" to generate the result set.

Exhibit 20: Graphic Analysis: Comparison of CS-EMCI A to CS-EMCI BBB



Source: Credit Suisse

Saved Reports

Saved Reports allows the user to save and retrieve customized reports and Graphs. When creating a report/graph, the calendar pop-up menu has a Relative Dates option. Selecting this option and defining a time period will generate a report based on that interval. For example, selecting Current will produce a report with the most current index data. By saving and naming the report/graph, you will be able to access the most current data. Click on the disk icon after creating the report. You will be prompted for your name and a description. Once this report/graph is saved, clicking on the Saved Report area in the CS-EMCI Workbench can retrieve it.

Dynamic Link Reports to Excel

Users can also have the reports they saved automatically link and update to Excel. In order to create a dynamic link from a report user must first save the report (see above). Note: make sure the date you selected in your report is **Current.** By saving a report with the relative date as current you will now be able retrieve this report on a daily basis with the updated data in Excel.

Note: Users need to have Microsoft Excel 2000 or better in order to use this dynamic linking feature.

To create the dynamic link:

- Open the Saved Reports folder
- Right click on run for the report you wish to import into Excel
- After right clicking, select from the right-click menu Copy Shortcut
- Open a new Excel worksheet. Select the Data menu, then Get External Data, New Web Query
- In the New Web Query window, beneath Item 1, click to place your cursor in the text box, then press CTRL + V to paste the URL into that field
- Beneath Item 2, select the entire page
- Click on the Advanced button, and check the Disable date recognition checkbox
- There is no need to make any selection for Item 3
- Click on OK
- In the pop-up window that results, first select the Properties button. Select the Refresh data on file open checkbox if you wish to have the data refresh every time you open your spreadsheet
- Click on OK
- To complete the process, click OK again
- You may have to enter your Research and Analytics Username and Password to create the spreadsheet
- If data does not appear, click the Refresh Data button on the External Data toolbar

CREDIT SUISSE

FIXED INCOME INDEX PRODUCTS

Bunt Ghosh, Managing Director
Global Head of Fixed Income Research
+44 20 7888 3042

NORTH AMERICA

Baldwin Smith, Director
Global Group Head
1 212 325 5524
baldwin.smith@credit-suisse.com

Deepak Agnani
Vice President
1 212 325 1559
deepak.agnani@credit-suisse.com

Brian Coco
Vice President
1 212 538 1906
brian.coco@credit-suisse.com

Louis Lian Liu
Vice President
1 212 538 6710
louislian.liu@credit-suisse.com

Eric Isenberg
Associate
1 212 538 9143
eric.isenberg@credit-suisse.com

Disclosure Appendix

Analyst Certification

The analysts identified in this report each certify, with respect to the companies or securities that the individual analyzes, that (1) the views expressed in this report accurately reflect his or her personal views about all of the subject companies and securities and (2) no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this report.

Important Disclosures

Credit Suisse's policy is only to publish investment research that is impartial, independent, clear, fair and not misleading. For more detail, please refer to Credit Suisse's Policies for Managing Conflicts of Interest in connection with Investment Research: http://www.csfb.com/research-and-analytics/disclaimer/managing_conflicts_disclaimer.html

Credit Suisse's policy is to publish research reports as it deems appropriate, based on developments with the subject issuer, the sector or the market that may have a material impact on the research views or opinions stated herein.

The analyst(s) involved in the preparation of this research report received compensation that is based upon various factors, including Credit Suisse's total revenues, a portion of which are generated by Credit Suisse's Investment Banking and Fixed Income Divisions.

Credit Suisse may trade as principal in the securities or derivatives of the issuers that are the subject of this report.

At any point in time, Credit Suisse is likely to have significant holdings in the securities mentioned in this report.

As at the date of this report, Credit Suisse acts as a market maker or liquidity provider in the debt securities of the subject issuer(s) mentioned in this report.

For important disclosure information on securities recommended in this report, please visit the website at https://firesearchdisclosure.credit-suisse.com or call +1-212-538-7625.

For the history of any relative value trade ideas suggested by the Fixed Income research department as well as fundamental recommendations provided by the Emerging Markets Sovereign Strategy Group over the previous 12 months, please view the document at http://research-and-analytics.csfb.com/docpopup.asp?docid=35321113&type=pdf. Credit Suisse clients with access to the Locus website may refer to http://www.credit-suisse.com/locus.

For the history of recommendations provided by Technical Analysis, please visit the website at http://www.credit-suisse.com/techanalysis.

Credit Suisse does not provide any tax advice. Any statement herein regarding any US federal tax is not intended or written to be used, and cannot be used, by any taxpayer for the purposes of avoiding any penalties.

Emerging Markets Bond Recommendation Definitions

Buy: Indicates a recommended buy on our expectation that the issue will deliver a return higher than the risk-free rate.

Sell: Indicates a recommended sell on our expectation that the issue will deliver a return lower than the risk-free rate.

Corporate Bond Fundamental Recommendation Definitions

Buy: Indicates a recommended buy on our expectation that the issue will be a top performer in its sector.

Outperform: Indicates an above-average total return performer within its sector. Bonds in this category have stable or improving credit profiles and are undervalued, or they may be weaker credits that, we believe, are cheap relative to the sector and are expected to outperform on a total-return basis. These bonds may possess price risk in a volatile environment.

Market Perform: Indicates a bond that is expected to return average performance in its sector.

Underperform: Indicates a below-average total-return performer within its sector. Bonds in this category have weak or worsening credit trends, or they may be stable credits that, we believe, are overvalued or rich relative to the sector.

Sell: Indicates a recommended sell on the expectation that the issue will be among the poor performers in its sector.

Restricted: In certain circumstances, Credit Suisse policy and/or applicable law and regulations preclude certain types of communications, including an investment recommendation, during the course of Credit Suisse's engagement in an investment banking transaction and in certain other circumstances.

Not Rated: Credit Suisse Global Credit Research or Global Leveraged Finance Research covers the issuer but currently does not offer an investment view on the subject issue.

Not Covered: Neither Credit Suisse Global Credit Research nor Global Leveraged Finance Research covers the issuer or offers an investment view on the issuer or any securities related to it. Any communication from Research on securities or companies that Credit Suisse does not cover is a reasonable, non-material deduction based on an analysis of publicly available information.

Corporate Bond Risk Category Definitions

In addition to the recommendation, each issue may have a risk category indicating that it is an appropriate holding for an "average" high yield investor, designated as **Market**, or that it has a higher or lower risk profile, designated as **Speculative** and **Conservative**, respectively.

Credit Suisse Credit Rating Definitions

Credit Suisse may assign rating opinions to investment-grade and crossover issuers. Ratings are based on our assessment of a company's creditworthiness and are not recommendations to buy or sell a security. The ratings scale (AAA, AA, A, BBB, BB, B) is dependent on our assessment of an issuer's ability to meet its financial commitments in a timely manner. Within each category, creditworthiness is further detailed with a scale of High, Mid, or Low – with High being the strongest sub-category rating: **High AAA, Mid AAA, Low AAA** – obligor's capacity to meet its financial commitments is extremely strong; **High AA, Mid AA, Low AA** – obligor's capacity to meet its financial commitments is very strong; **High A, Mid A, Low A** – obligor's capacity to meet its financial commitments is strong; **High BBB, Mid BBB, Low BBB** – obligor's capacity to meet its financial commitments is adequate, but adverse economic/operating/financial circumstances are more likely to lead to a weakened capacity to meet its obligations; **High BB, Mid BB, Low BB** – obligations have speculative characteristics and are subject to substantial credit risk; **High B, Mid B, Low B** – obligor's capacity to meet its financial commitments is very weak and highly vulnerable to adverse economic, operating, and financial circumstances; **High CCC, Mid CCC, Low CCC** – obligor's capacity to meet its financial commitments is extremely weak and is dependent on favorable economic, operating, and financial circumstances. Credit Suisse's rating opinions do not necessarily correlate with those of the rating agencies.

Credit Suisse's Distribution of Global Credit Research Recommendations* (and Banking Clients)

	Global Recommendation Distribution**	
Buy	5%	(of which 96% are banking clients)
Outperform	9%	(of which 89% are banking clients)
Market Perform	28%	(of which 90% are banking clients)
Underperform	9%	(of which 92% are banking clients)
Sell	1%	(of which 100% are banking clients)

*Data are as at the end of the previous calendar quarter.
**Percentages do not include securities on the firm's Restricted List.

References in this report to Credit Suisse include all of the subsidiaries and affiliates of Credit Suisse operating under its investment banking division. For more information on our structure, please use the following link: http://www.credit-suisse.com/en/who_we_are/ourstructure.html.

This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject Credit Suisse or its affiliates ("CS") to any registration or licensing requirement within such jurisdiction. All material presented in this report, unless specifically indicated otherwise, is under copyright to CS. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied or distributed to any other party, without the prior express written permission of CS. All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service marks of CS or its affiliates.

The information, tools and material presented in this report are provided to you for information purposes only and are not to be used or considered as an offer or the solicitation of an offer to sell or to buy or subscribe for securities or other financial instruments. CS may not have taken any steps to ensure that the securities referred to in this report are suitable for any particular investor. CS will not treat recipients of this report as its customers by virtue of their receiving this report. The investments and services contained or referred to in this report may not be suitable for you and it is recommended that you consult an independent investment advisor if you are in doubt about such investments or investment services. Nothing in this report constitutes investment, legal, accounting or tax advice, or a representation that any investment or strategy is suitable or appropriate to your individual circumstances, or otherwise constitutes a personal recommendation to you. CS does not advise on the tax consequences of investments and you are advised to contact an independent tax adviser. Please note in particular that the bases and levels of taxation may change.

Information and opinions presented in this report have been obtained or derived from sources believed by CS to be reliable, but CS makes no representation as to their accuracy or completeness. CS accepts no liability for loss arising from the use of the material presented in this report, except that this exclusion of liability does not apply to the extent that such liability arises under specific statutes or regulations applicable to CS. This report is not to be relied upon in substitution for the exercise of independent judgment. CS may have issued, and may in the future issue, other reports that are inconsistent with, and reach different conclusions from, the information presented in this report. Those reports reflect the different assumptions, views and analytical methods of the analysts who prepared them and CS is under no obligation to ensure that such other reports are brought to the attention of any recipient of this report.

CS may, to the extent permitted by law, participate or invest in financing transactions with the issuer(s) of the securities referred to in this report, perform services for or solicit business from such issuers, and/or have a position or holding, or other material interest, or effect transactions, in such securities or options thereon, or other investments related thereto. In addition, it may make markets in the securities mentioned in the material presented in this report. CS may have, within the last three years, served as manager or co-manager of a public offering of securities for, or currently may make a primary market in issues of, any or all of the entities mentioned in this report or may be providing, or have provided within the previous 12 months, significant advice or investment services in relation to the investment concerned or a related investment. Additional information is, subject to duties of confidentiality, available on request. Some investments referred to in this report will be offered solely by a single entity and in the case of some investments solely by CS, or an associate of CS or CS may be the only market maker in such investments.

Past performance should not be taken as an indication or guarantee of future performance, and no representation or warranty, express or implied, is made regarding future performance. Information, opinions and estimates contained in this report reflect a judgement at its original date of publication by CS and are subject to change without notice. The price, value of and income from any of the securities or financial instruments mentioned in this report can fall as well as rise. The value of securities and financial instruments is subject to exchange rate fluctuation that may have a positive or adverse effect on the price or income of such securities or financial instruments. Investors in securities such as ADR's, the values of which are influenced by currency volatility, effectively assume this risk.

Structured securities are complex instruments, typically involve a high degree of risk and are intended for sale only to sophisticated investors who are capable of understanding and assuming the risks involved. The market value of any structured security may be affected by changes in economic, financial and political factors (including, but not limited to, spot and forward interest and exchange rates), time to maturity, market conditions and volatility, and the credit quality of any issuer or reference issuer. Any investor interested in purchasing a structured product should conduct their own investigation and analysis of the product and consult with their own professional advisers as to the risks involved in making such a purchase.

Some investments discussed in this report may have a high level of volatility. High volatility investments may experience sudden and large falls in their value causing losses when that investment is realised. Those losses may equal your original investment. Indeed, in the case of some investments the potential losses may exceed the amount of initial investment and, in such circumstances, you may be required to pay more money to support those losses. Income yields from investments may fluctuate and, in consequence, initial capital paid to make the investment may be used as part of that income yield. Some investments may not be readily realisable and it may be difficult to sell or realise those investments, similarly it may prove difficult for you to obtain reliable information about the value, or risks, to which such an investment is exposed.

This report may provide the addresses of, or contain hyperlinks to, websites. Except to the extent to which the report refers to website material of CS, CS has not reviewed any such site and takes no responsibility for the content contained therein. Such address or hyperlink (including addresses or hyperlinks to CS's own website material) is provided solely for your convenience and information and the content of any such website does not in any way form part of this document. Accessing such website or following such link through this report or CS's website shall be at your own risk.

This report is issued and distributed in Europe (except Switzerland) by Credit Suisse Securities (Europe) Limited, One Cabot Square, London E14 4QJ, England, which is regulated in the United Kingdom by The Financial Services Authority ("FSA"). This report is being distributed in Germany by Credit Suisse Securities (Europe) Limited Niederlassung Frankfurt am Main regulated by the Bundesanstalt fuer Finanzdienstleistungsaufsicht ("BaFin"). This report is being distributed in the United States and Canada by Credit Suisse Securities (USA) LLC; in Switzerland by Credit Suisse; in Brazil by Banco de Investimentos Credit Suisse (Brasil) S.A; in Japan by Credit Suisse Securities (Japan) Limited; elsewhere in Asia/ Pacific by whichever of the following is the appropriately authorised entity in the relevant jurisdiction: Credit Suisse (Hong Kong) Limited, Credit Suisse Equities (Australia) Limited, Credit Suisse Securities (Thailand) Limited, Credit Suisse Securities (Malaysia) Sdn Bhd, Credit Suisse Singapore Branch, and elsewhere in the world by the relevant authorised affiliate of the above. Research on Taiwanese securities produced by Credit Suisse, Taipei Branch has been prepared by a registered Senior Business Person. Research provided to residents of Malaysia is authorised by the Head of Research for Credit Suisse Securities (Malaysia) Sdn Bhd, to whom they should direct any queries on +603 2723 2020. This research may not conform to Canadian disclosure requirements.

In jurisdictions where CS is not already registered or licensed to trade in securities, transactions will only be effected in accordance with applicable securities legislation, which will vary from jurisdiction to jurisdiction and may require that the trade be made in accordance with applicable exemptions from registration or licensing requirements. Non-U.S. customers wishing to effect a transaction should contact a CS entity in their local jurisdiction unless governing law permits otherwise. U.S. customers wishing to effect a transaction should do so only by contacting a representative at Credit Suisse Securities (USA) LLC in the U.S.

Please note that this research was originally prepared and issued by CS for distribution to their market professional and institutional investor customers. Recipients who are not market professional or institutional investor customers of CS should seek the advice of their independent financial advisor prior to taking any investment decision based on this report or for any necessary explanation of its contents. This research may relate to investments or services of a person outside of the UK or to other matters which are not regulated by the FSA or in respect of which the protections of the FSA for private customers and/or the UK compensation scheme may not be available, and further details as to where this may be the case are available upon request in respect of this report.

Copyright © 2007 CREDIT SUISSE GROUP and/or its affiliates. All rights reserved.

Investment principal on bonds can be eroded depending on sale price or market price. In addition, there are bonds on which investment principal can be eroded due to changes in redemption amounts. Care is required when investing in such instruments.

When you purchase non-listed Japanese fixed income securities (Japanese government bonds, Japanese regional bonds, Japanese government guaranteed bonds, Japanese corporate bonds) from CS as a seller, you will be requested to pay purchase price only.

CREDIT SUISSE SECURITIES (JAPAN) LIMITED

A member of Japan Securities Dealers Association, The Financial Futures Association of Japan