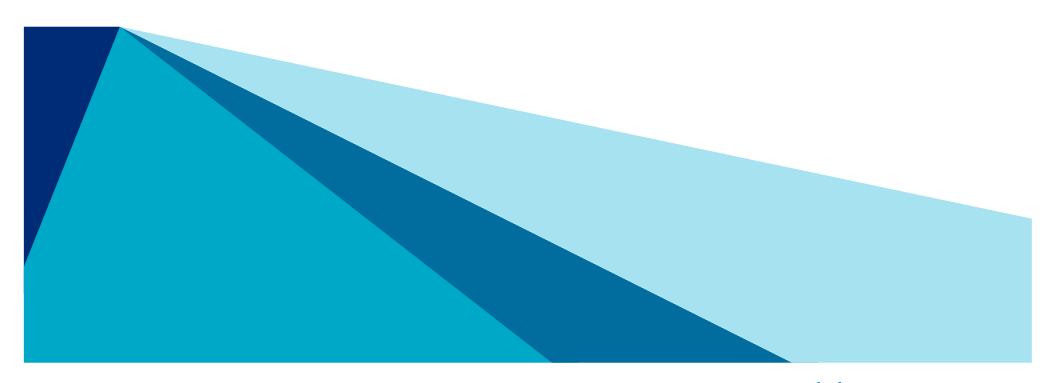
GC SECURITIES

CASACT Conference

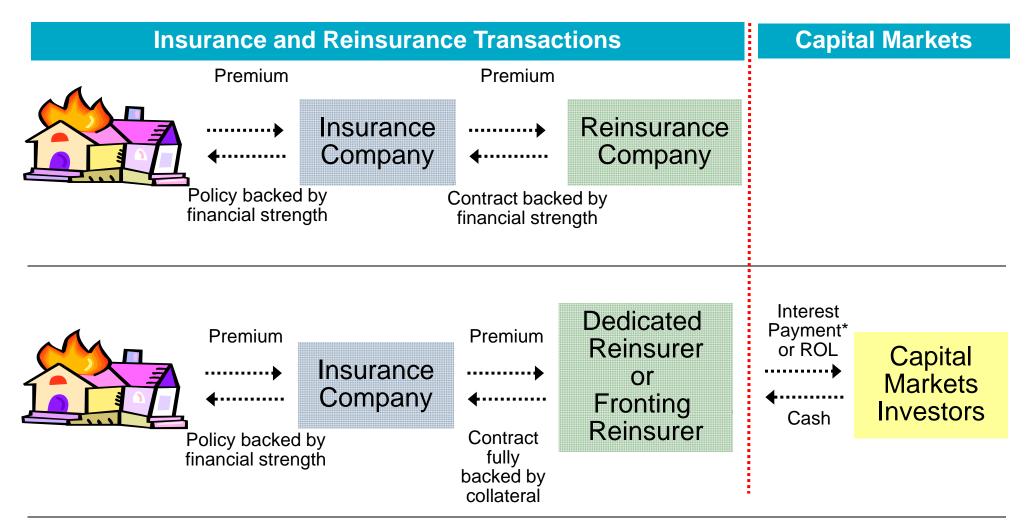
Current Developments in the Catastrophe Bond /
ILS Space

October 4, 2012



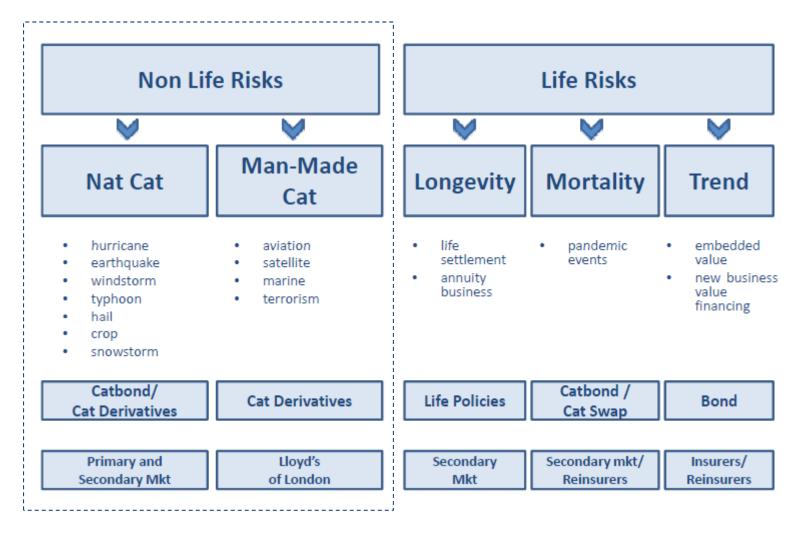


Introduction Capital Markets-Based Risk Transfer Protection vs. (Re)insurance



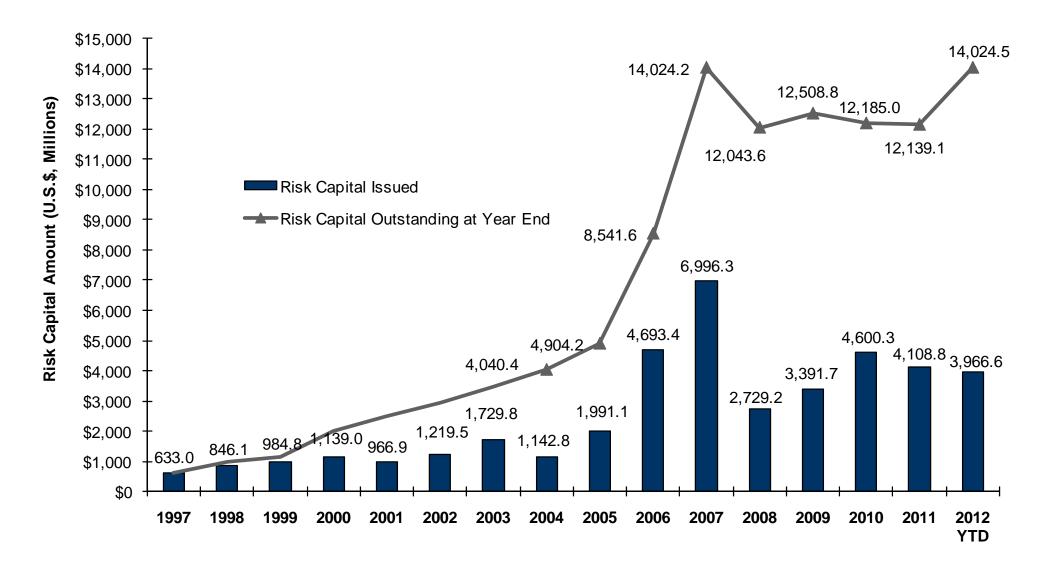
^{*} Based on Premium payment (plus investment earnings on collateral)

Introduction Summary of Solutions Supporting Catastrophe Risk



Source: Eskatos Capital Management

Introduction State of the P&C Catastrophe Bond Market



Source: GC Securities Proprietary Database, as of Oct 4, 2012

⁽¹⁾ Excludes private transactions

^{(2) 4}Q11 includes \$200M of two Mariah tranches that fully paid out as a result of loss events

Introduction Typical Cat Bond Features

Typical Cat Bond Features

- Qualified Institutional Investors (Rule 144A or Private Placements)
- Annual expected losses between 0.2% and 8% (EL around 1-2% is most frequent)
- Notional limits between \$50 million and \$1 billion
- 1- to 5-year tenor
- Quantifiable and observable risk (modeled)
- Most efficient for peak perils
- Separation of roles: Risk analysis and rating completed by third parties

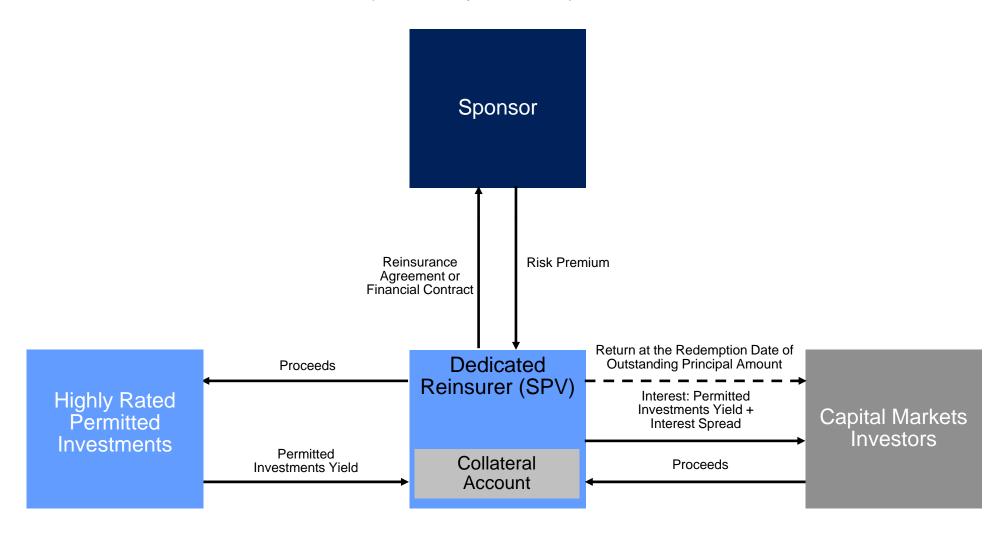
Sponsor Motivations

- Full collateralization
- Multi-year fixed pricing
- Diversification of risk capital source
 - Limit risks of capacity constraints and price volatility in the traditional reinsurance market
- Leverage reinsurance market by demonstrating access to alternative capacity source

Investor Motivations

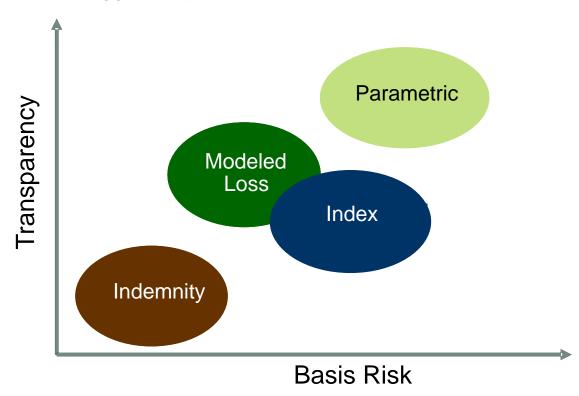
- Source of diversification in an investment portfolio
- Potentially attractive investment returns
- Ability to further diversify within sector
- Depending on type of execution, independent third party risk analysis may available

Introduction General Structural Schematic (Catastrophe Bond)

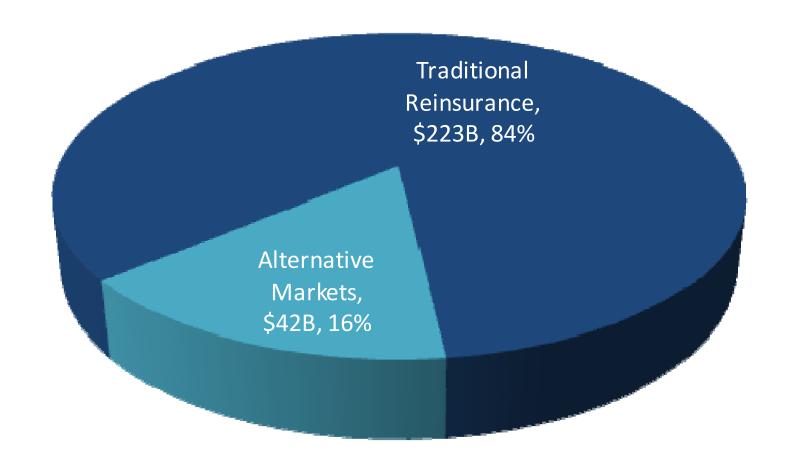


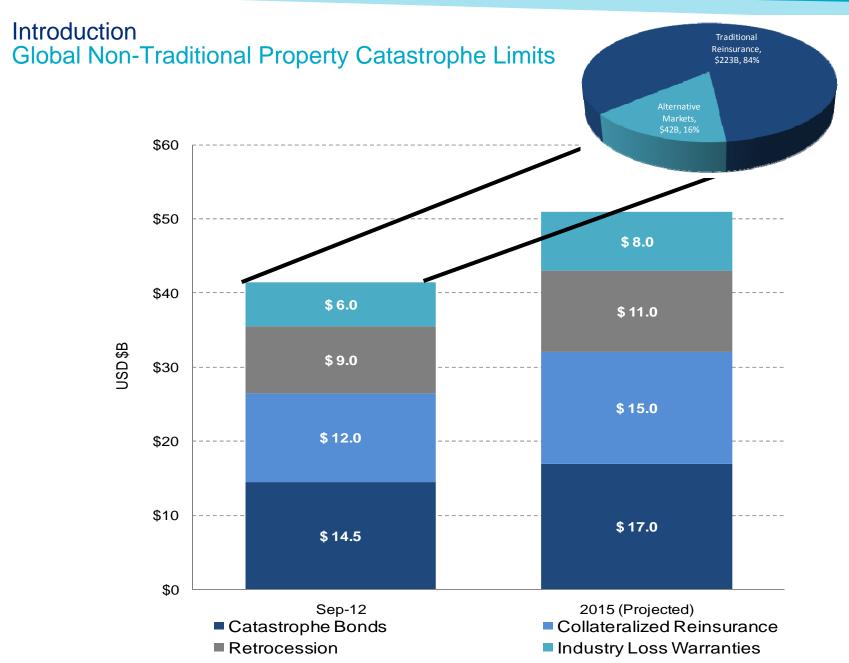
Introduction Major Cat Bond Trigger Types

- Indemnity Triggered by actual loss of sponsor
- Index Triggered by insured damaged for entire industry
- Parametric Triggered by event parameters
- Modeled Loss Triggered by modeled results of sponsor portfolio



Introduction Estimated Composition of Property Catastrophe Limits Outstanding





Introduction

General Structure Schematic (Collateralized Reinsurance)

Collateral Option #1 – Trust Account

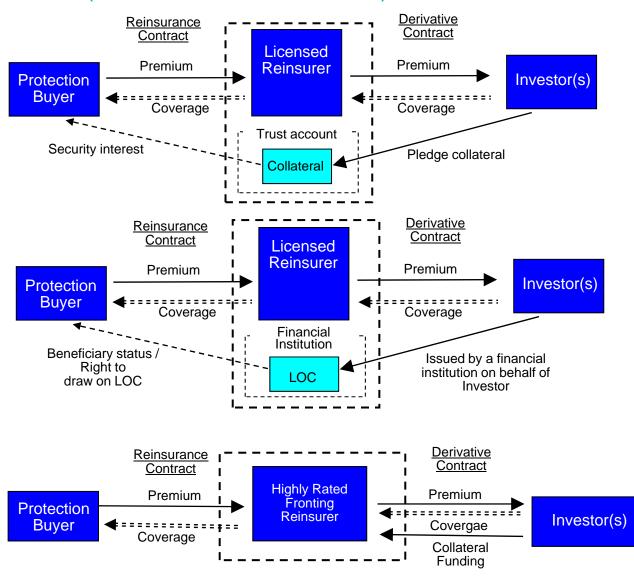
Reinsurer's obligation is secured by permitted assets that are held in a collateral account whose release is governed by a trust agreement

Collateral Option #2 – Letter of Credit

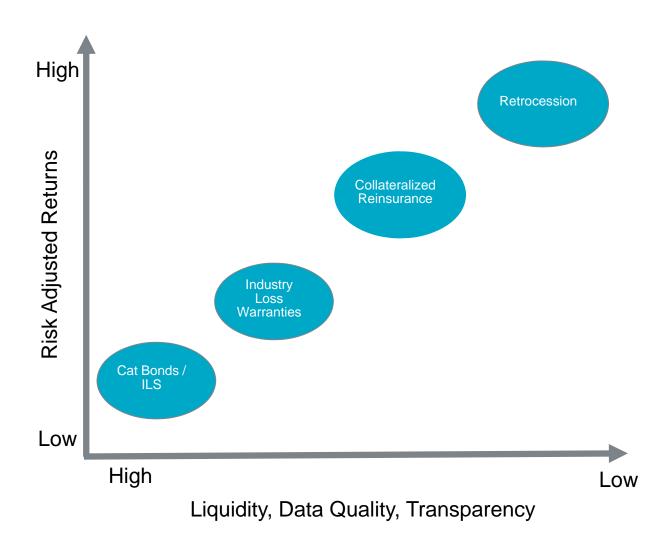
Reinsurer's obligation is secured by a Letter of Credit issued by a financial institution mutually agreed upon by protection buyer and the investor.

Structural Option #3 – Highly Rated Reinsurer

Protection buyer faces a highly rated reinsurer. Reinsurer's obligation is secured by its credit rating, not by an LOC or collateral account.



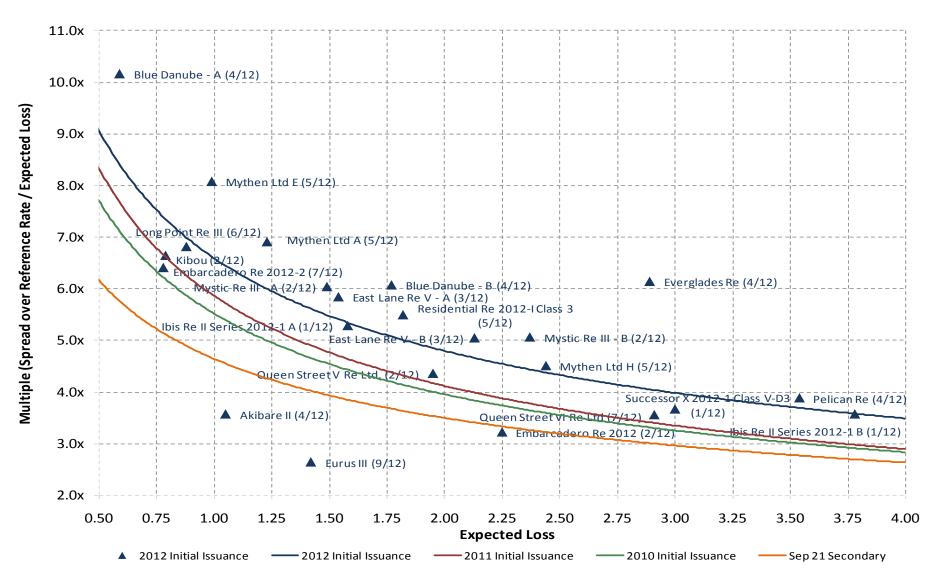
Introduction Risk Adjusted Returns vs. Liquidity and Transparency



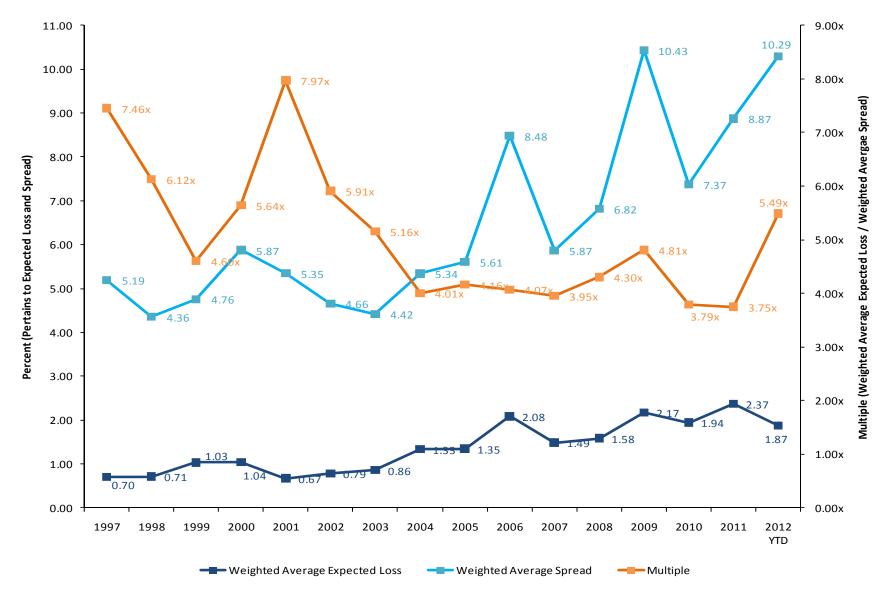
Introduction Growth of Non Traditional Reinsurance

Supported by market trends... **Product Innovation Diversification Regulatory Developments Counterparty Risk Catastrophe Models Balance Sheet Management** What about pricing?

Introduction 2010-2012 YTD Catastrophe Bond Pricing (Multiple vs. EL)

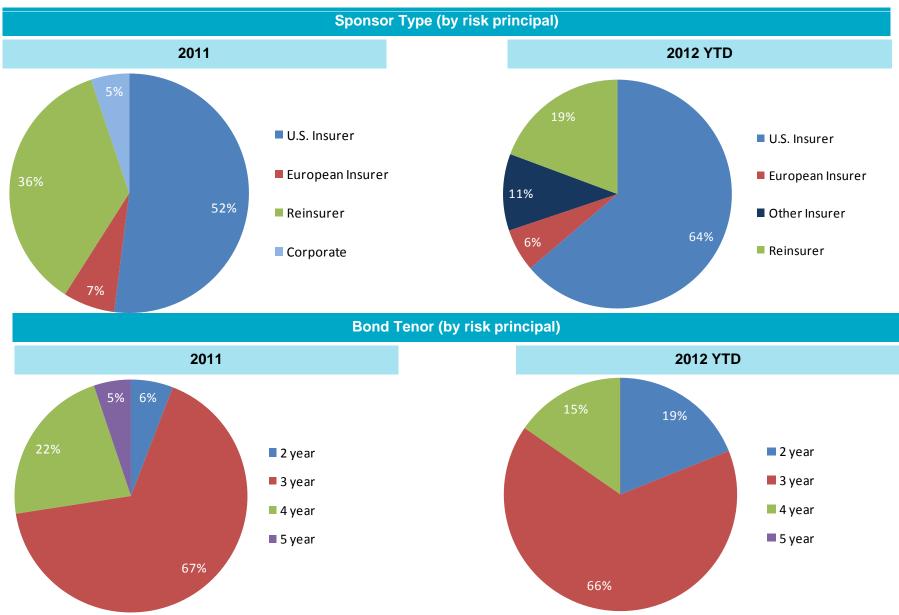


Introduction Market Risk / Return Levels (1997 through 2012 YTD)



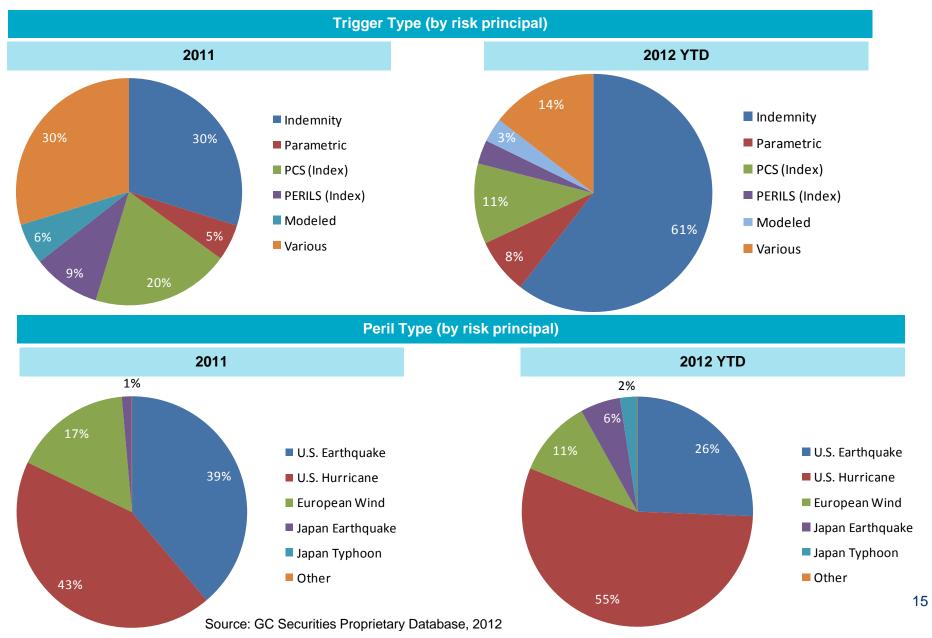
Source: GC Securities Proprietary Database, 2012

Introduction 2011 – 2012 YTD Issuance Statistics

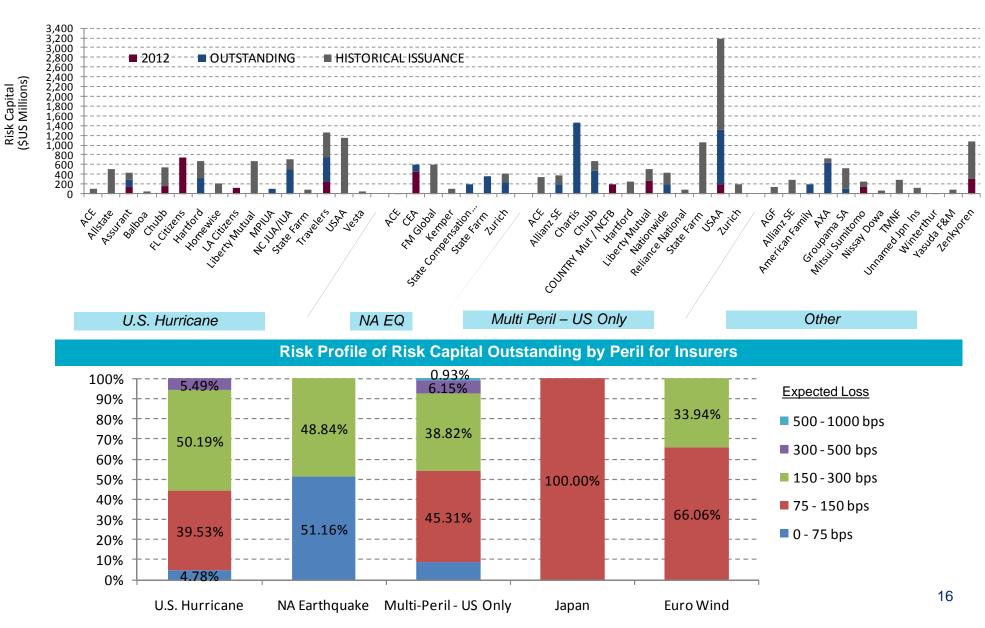


Source: GC Securities Proprietary Database, 2012

Introduction 2011 – 2012 YTD Issuance Statistics

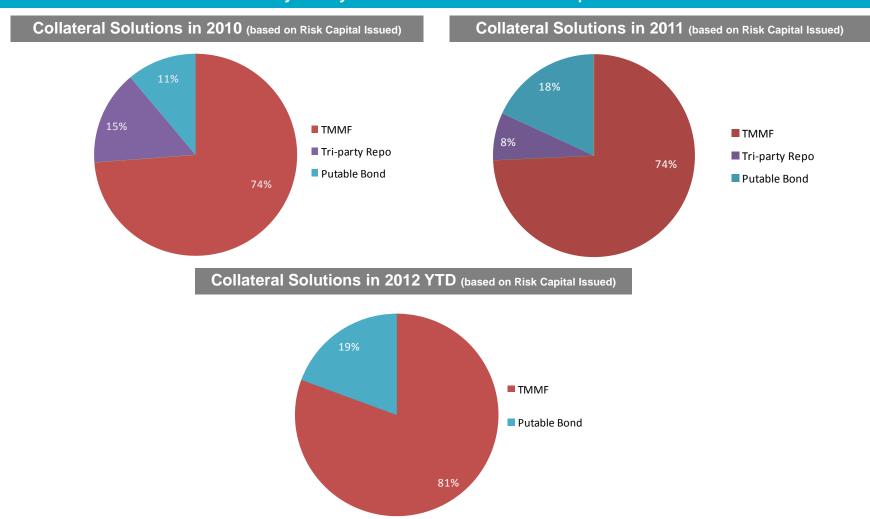


Introduction Representative Primary Insurers Using the Catastrophe Bond Market

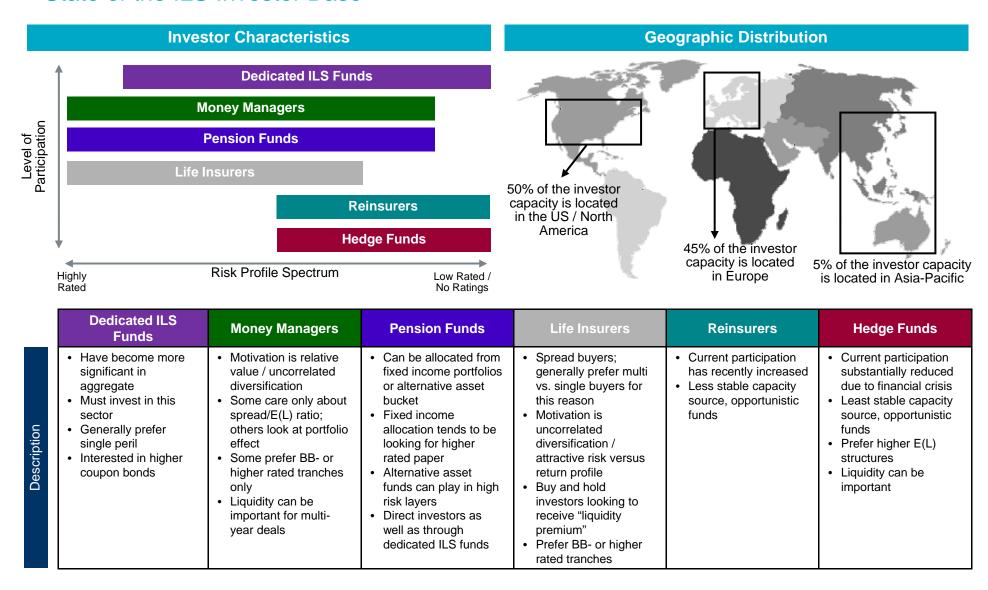


Introduction Summary of Solutions Supporting Cat Bond Limit

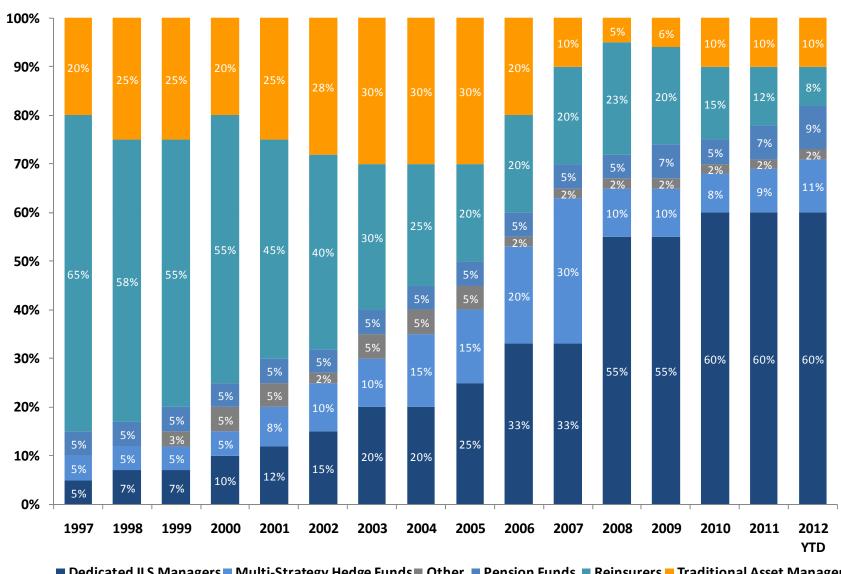
Investors prefer a wider selection of collateral solutions / providers to avoid concentrations; Use of U.S. Treasury Money Market Funds has been most prevalent since 2009



Introduction State of the ILS Investor Base



Introduction Investor Base Composition – Historical View



■ Dedicated ILS Managers ■ Multi-Strategy Hedge Funds ■ Other ■ Pension Funds ■ Reinsurers ■ Traditional Asset Managers

Introduction Characterization of Activity / Risk Appetite by Region : Stable Money Inflows



Current Activity Level

Becoming more active, Hedge Funds,

Traditional Managers,

Life Insurers

Primarily allocations

from alternative

strategies of traditional

managers, seeking

relative value, yield

and diversification

North America

Composition of Inflows

Risk Appetite

Varied; conservative from Life Insurers, can be aggressive from Hedge Funds Europe

Active

M.E.

Becoming more active

"Stable"
"Three to
Five Year"
Money,
Primarily
Pensions

Sovereign Wealth, Opportunistic

Middle to High Single Digit Return Targets

Aggressive 20 percent and higher,

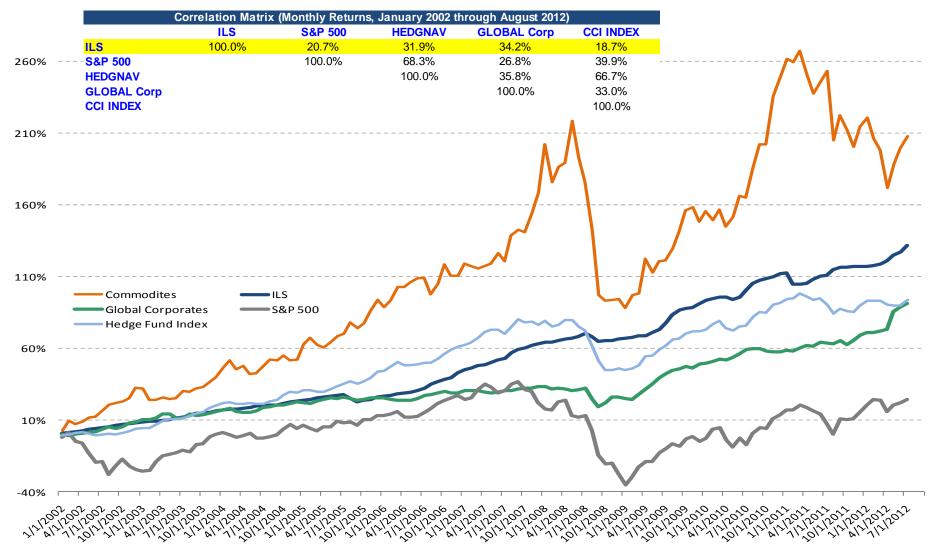
Asia Pacific

Highly active

Very stable, conservative inflows, yield and fee conscious institutional investors, strong distribution networks

Yield focus is increasing in current investment environment, but consistent focus on low volatility levels remains

Introduction Correlation Analysis – ILS vs. Traditional and Non-Traditional Assets



Notes

Source: Bloomberg. Tickers: ILS: SRCATTRR; S&P 500 = SPX; Hedge Fund Index = HEDGNAV; Global Corporates = G0BC; Commodities = CCI. Returns are calculated on a monthly basis and do not reflect fees

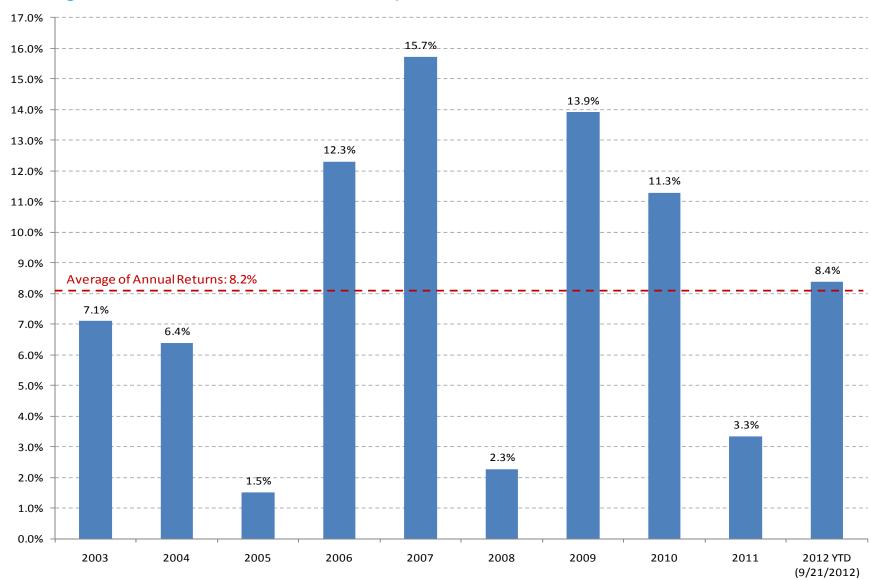
Introduction Monthly Return / Variance Analysis (January 2002 – August 2012)

	ALL	ВВ		Hedge Fund	ВВ	Global	
	ILS	ILS	S&P 500	Index	Corporates	Corporates	Commodites
Mean Return	0.67%	0.59%	0.28%	0.54%	0.64%	0.52%	1.00%
Median Return	0.61%	0.60%	1.00%	0.74%	1.00%	0.56%	1.51%
Max Return	3.08%	2.90%	10.77%	4.06%	7.31%	7.04%	12.39%
Min Return	-3.92%	-4.89%	-16.94%	-6.55%	-15.04%	-5.54%	-18.31%
Volatility	0.85%	0.98%	4.55%	1.67%	2.51%	1.41%	4.63%
Mean / Volatility	78.48%	60.06%	6.09%	32.19%	25.60%	37.11%	21.56%
95th percentile	2.04%	1.79%	7.25%	2.71%	3.85%	2.52%	6.94%
5th percentile	-0.14%	-0.29%	-8.11%	-2.24%	-2.72%	-1.13%	-6.05%
1st percentile	-2.16%	-3.96%	-11.00%	-5.74%	-7.48%	-3.95%	-13.35%

Notes

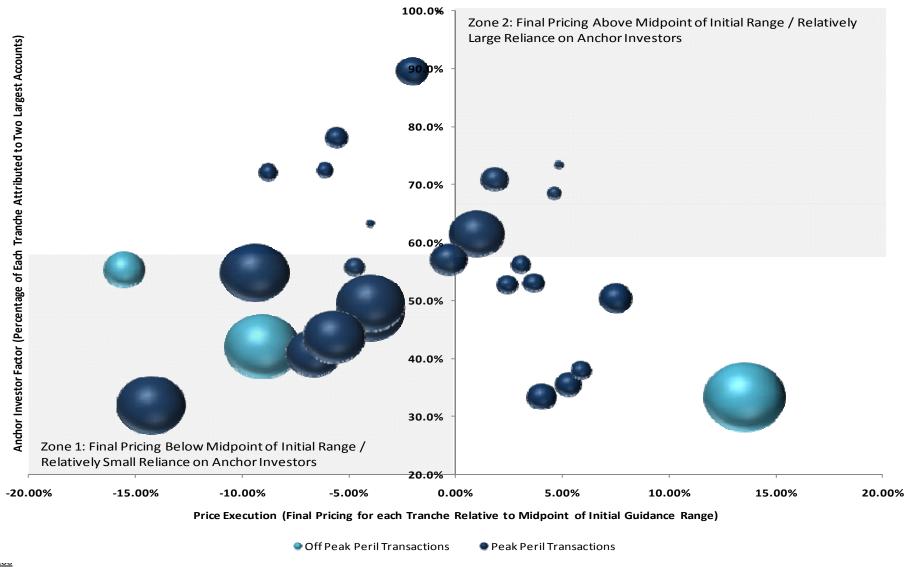
Source: Bloomberg. Tickers: ILS: SRCATRR; BBILS = SRBBTRR; S&P 500 = SPX; Hedge Fund Index = HEDGNAV; BB Corporates = H5A1; Global Corporates = G0BC; Commodities = CCI. Returns are calculated on a monthly basis and do not reflect fees.

Introduction Average Annual Returns for Catastrophe Bond Market



Source: Bloomberg. Ticker: SRCATTRR

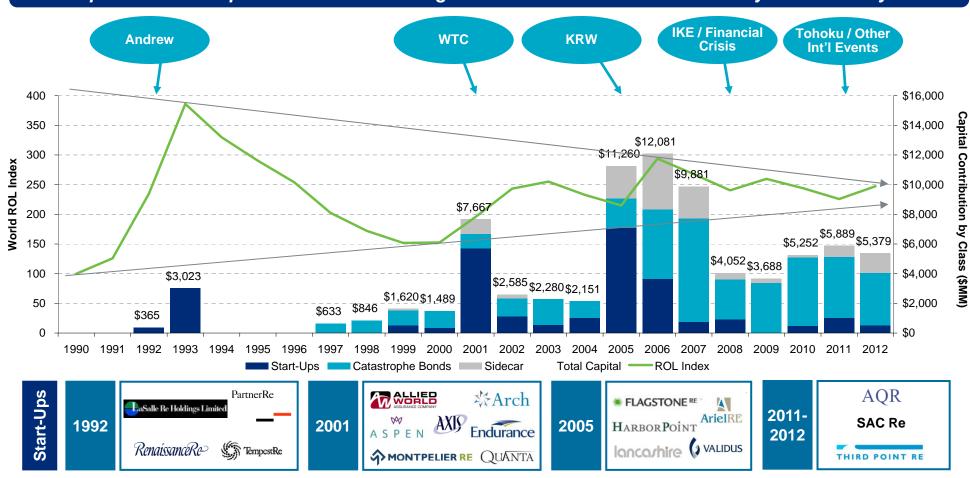
Introduction Catastrophe Bond Market – Study of "Anchor Investor Effect"



Name
Na

Introduction Overview of Alternative Capital Activity and Composition

The evolving capital markets and continual growth of alternative risk transfer markets has changed the competitive landscape and has had a muting effect on the reinsurance market cycle in recent years



Note: Source, GC Securities Proprietary Database, 2012; SNL Financial, Company filings and Insurance insider.

Disclosure

Securities or investments, as applicable are offered in the US through GC Securities, a division of MMC Securities Corp. ("MMCSC"), a US registered broker-dealer and member FINRA/SIPC. Main office: 1166 Avenue of the Americas, New York, NY 10036. Phone: 212.345.5000. Securities or investments, as applicable are offered in the European Union by GC Securities, a division of MMC Securities (Europe) Ltd., which is authorized and regulated by the Financial Services Authority. Reinsurance products are placed through qualified affiliates of Guy Carpenter & Company, LLC. MMC Securities (Europe) Ltd., and Guy Carpenter, LLC are affiliates owned by Marsh & McLennan Companies ("MMC"). Reinsurance intermediary services are offered through Guy Carpenter & Company, LLC.

This information was prepared by MMCSC and/or Guy Carpenter & Company, LLC. ("Guy Carpenter" or "GC"), the reinsurance brokerage arm of MMC. All statistical tables, charts, graphs or other illustrations contained herein were prepared by MMCSC or GC unless otherwise noted. Results from simulations and projections are for illustrative purposes only and are based on certain assumptions. Therefore the recipient should not place undue reliance on these results. Past performance does not guarantee future results.

Neither MMCSC nor GC is a legal, tax or accounting adviser and makes no representation as to the accuracy or completeness of any data or information gathered or prepared by MMCSC or GC hereunder. Your company should therefore consult with its own tax, accounting, legal or other advisers and make its own independent analysis and investigation of the proposed transaction, as well as the financial and tax consequences thereof, the creditworthiness of the parties involved and all other matters relating to the transaction, prior to its own independent decision whether or not to enter into any agreements in connection with any transaction.

This document contains indicative terms for discussion purposes only. MMCSC and GC give no assurance that any transaction will be consummated on the basis of these indicative terms and no specific issuer is obligated to issue any security or instrument on such indicative terms. This presentation does not constitute an offer to sell or any solicitation of any offer to buy or sell any security or instrument or to enter into any transaction on such indicative terms. An investment in insurance linked securities is speculative, involves a high degree of risk and should be considered only by institutional investors who can bear the economic risks of their investments and who can afford to sustain the loss of their investments. Noteholders may lose all or a portion of their investment. Institutional investors should thoroughly consider the information contained herein.

This document is not intended to provide the sole basis for any evaluation by you of any transaction, security or instrument described herein and you agree that the merits or suitability of any such transaction, security or instrument to your particular situation will be independently determined by you including consideration of the legal, tax, accounting, regulatory financial and other related aspects thereof. Opinions and estimates constitute MMCSC's and/or GC's judgment and are subject to change without notice. In particular, neither MMCSC nor GC owes duty to you (except as required by the rules of the Securities and Exchange Commission, Financial Industry Regulatory Authority, Financial Services Authority, and/or any other regulatory body having proper jurisdiction) to exercise any judgment on your behalf as to the merits or suitability of any transaction, security or instrument. The information contained herein is provided to you on a strictly confidential basis and you agree that it may not be copied, reproduced or otherwise distributed by you (other than to your professional advisers) without our prior written consent.

This material provides general and conceptual information about certain financial strategies, and does not discuss or refer to any specific securities or other financial product. This presentation is not intended as marketing, solicitation or offering any security or other financial product in Japan. This material is intended only for sponsors, financial intuitions and qualified investors.

MMCSC and/or GC may have an independent business relationship with any companies described herein.

Trademarks and service marks are the property of their respective owners.

The source of information for any charts, graphs, or illustrations in this document is GC Securities Proprietary Database 2012, unless otherwise indicated.

Cory Anger, Chi Hum, Hong Guo, Jay Green, Ryan Clarke and Brad Livingston are registered representatives of MMCSC.

GC SECURITIES