# **EDELWEISS VOLATILITY FUND**

OVERVIEW 2013

### **ORGANISATION**

Administrator

**Swiss Financial Services** 

Ireland

Auditor

PricewaterhouseCoopers

Cayman Islands

### organisation

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#### Investor

Investor's Bank

UBS, CS, HSBC, ...

Banks / Custodians

**UBS AG** 

Clearing Broker
UBS AG

#### **Investment Advisor**

Progressive Capital Partners Ltd Baar, Switzerland

#### **Trading Advisor**

ecamos Investment AG Zurich, Switzerland

Service Providers / Advisors

**Investor Assets Custody** 

Fund Assets Custody

### **INVESTMENT ADVISOR – COMPANY FACTS**

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- Progressive Capital Partners Ltd
- based in Baar-Zug, Switzerland
- limited liability company, established in 2001
- entirely owned by its management
- team of 7 people
- advisor to 3 Fund of Hedge Funds and 3 Single Manager Hedge Funds
- AuM USD 640m
- registrations/memberships:
  - VQF Financial Services Standards Association
  - AIMA Alternative Investment Association

### TRADING ADVISOR - COMPANY

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- ecamos Investment AG
- limited liability company, established in 2004
- based in Zurich, Switzerland, regulated by Polyreg
- team of 5 dedicated investment professionals
- focus on building systematic investment models with economic sense
- AuM USD 79m in 2 programs

## **CHALLENGE NOWADAYS?**

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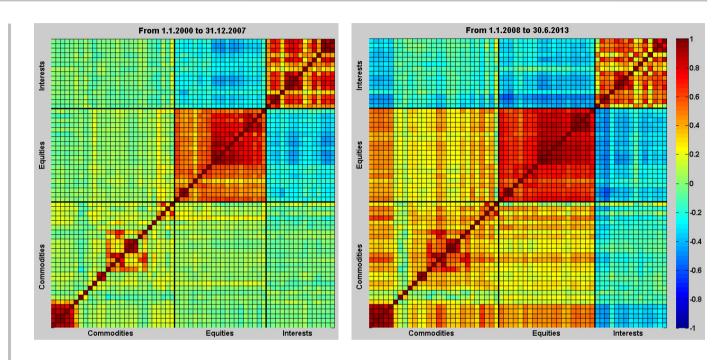
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- correlation between asset classes has increased
- difficult to hide in major draw downs
- will interest rates comply with expectations?!?

data source: ecamos Investment AG

### **DIVERSIFICATION - THE ONLY FREE LUNCH**

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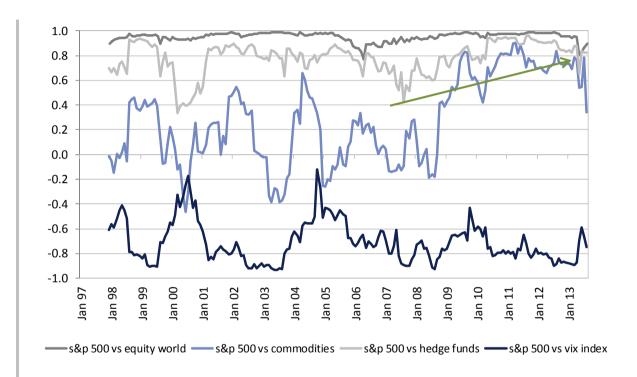
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 volatility can provide low correlation in difficult market environments

data source: bloomberg, indizes used: MSCI World, DJUBSTR Index, HFRI Fund weighted Index (12month rolling correlation)

## **VIX INDEX BEHAVIOUR**

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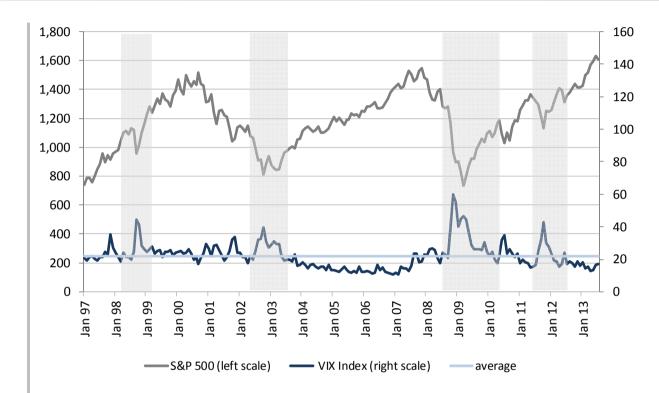
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- market sell-offs typically result in volatility spikes
- volatility spikes: tend to be large in magnitude
  - tend to occur infrequently
  - are strongly mean reverting

data source: bloomberg

### **DAILY TRADING VOLUME**

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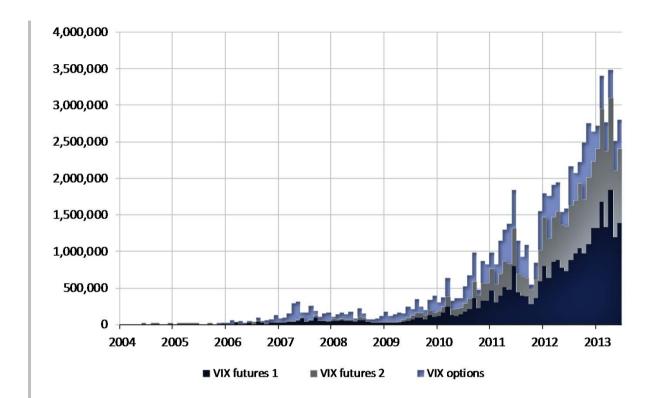
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- trading volume has increased substantially in the past years
- current volume provides sufficient liquidity to take advantage of the broad opportunity set

data source: bloomberg, VIX futures daily volume 1st and 2nd maturities

### **TERM STRUCTURE ANALYSIS - BASICS**

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#### contango:

the longer the time to expiration, the higher the price

normal market situation

roll costs are a kind of risk premium for portfolio protection



#### backwardation:

the longer the time to expiration, the lower the price

stressed market situation

roll returns arise because markets are anticipating normalisation of volatility "mean reverting"

### LONG ONLY RESULTS

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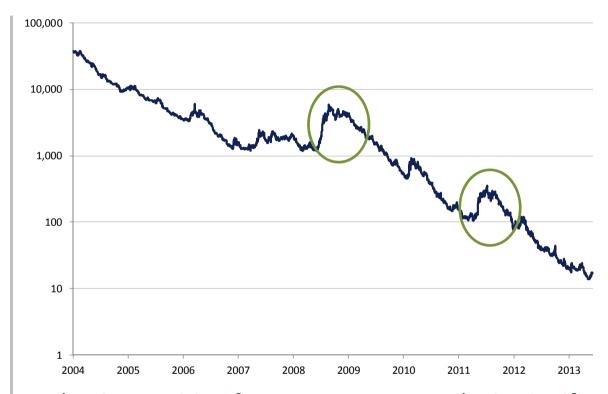
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- buying expiring future contracts results in significant losses due to the roll-costs of futures
- a well-framed trading strategy can capitalize on this effect
- however hedging the substantial gap risk is necessary

data source: bloomberg

### **EDELWEISS STRATEGY - OVERVIEW**

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- systematic trading strategy
- taking advantage of term structures of VIX futures
- diversification over multiple trading models
- long / short exposure
- target volatility of 20% 25% p.a.
- daily risk adjustment

## TERM STRUCTURE - HEAT MAP

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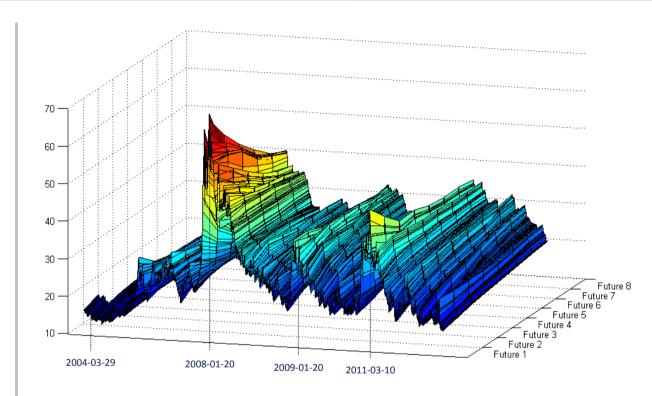
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- most of the time the term structure is in contango
- volatility is strongly mean reverting

data source: ecamos Investment AG

### **EDELWEISS POSITIONING**

(1/2)

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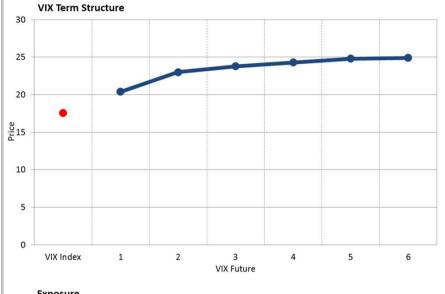
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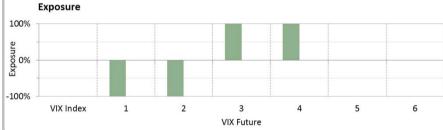


#### contango:

the longer the time to expiration, the higher the price

normal market situation

roll costs are a kind of risk premium for portfolio protection



enter two future contracts on the first two future curve and hedged on the third and forth contract

## **EDELWEISS POSITIONING**

(2/2)

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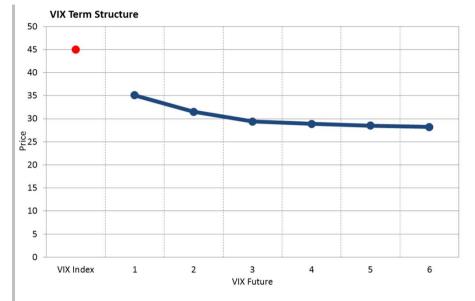
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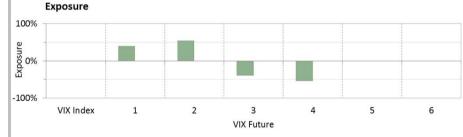


#### backwardation:

the longer the time to expiration, the lower the price

stressed market situation

roll returns arise because markets are anticipating normalisation of volatility "mean reverting"



en the first two future contracts on the term structure curve and hedged on the third and forth contract

## TABLE OF MONTHLY RETURNS (in USD)

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	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2004									18.4%	-7.8%	2.4%	1.0%	13.0%
2005	10.8%	0.8%	-4.8%	2.4%	2.3%	8.3%	2.4%	4.4%	5.0%	-3.0%	0.2%	3.3%	36.0%
2006	3.1%	7.2%	3.4%	-1.0%	3.8%	-0.9%	-2.9%	4.2%	5.8%	13.7%	1.6%	3.2%	48.5%
2007	8.9%	-1.1%	-4.0%	-2.0%	-3.2%	-5.4%	-1.1%	9.5%	-1.8%	-0.9%	-7.2%	5.3%	-4.3%
2008	13.6%	0.4%	1.0%	6.2%	7.7%	6.3%	0.0%	0.0%	0.4%	29.5%	5.2%	2.3%	95.8%
2009	2.4%	-4.9%	4.6%	-0.7%	3.2%	2.3%	-2.3%	-2.3%	6.1%	2.9%	-0.5%	8.4%	20.0%
2010	7.3%	6.6%	5.6%	-5.1%	-13.9%	-1.8%	11.1%	5.0%	2.5%	11.1%	-0.8%	6.5%	35.8%
2011	5.3%	-1.8%	-1.8%	10.9%	3.4%	2.5%	-7.2%	7.3%	1.0%	-2.9%	-0.4%	-2.2%	13.6%
2012	8.8%	6.0%	7.6%	-2.5%	-0.5%	8.3%	2.8%	6.2%	4.1%	-5.4%	12.6%	-7.9%	45.5%
2013	9.6%	-0.3%	3.3%	1.2%	-5.8%	-1.6%	9.8%	-2.2%					13.6%

returns from September 2004 to October 2011 (grey) are simulated results based on the systematic trading model with pro forma adjustments made for the Fund's fees. Returns since November 2011 are real traded figures of a managed account adjusted for the fund's target volatility of 20-25%, management and performance fees. As such, such returns do not represent actual returns of the Fund during such time periods prio to May 16, 2013 (inception date). Hypothetical performance results have many inherent limitations, some of which are described below. No representation is being made that the Fund will or is likely to achieve profits or losses similar to those shown. In fact, there are frequently sharp differences between hypothetical performance results and the actual results subsequently achieved by any particular trading program. One of the risks of hypothetical performance results is that they are generally prepared with the benefit of hindsight. In addition, hypothetical trading does not involve financial risk, and no hypothetical trading record can completely account for the impact of financial risk in actual trading.

## **SCENARIO ANALYSIS**

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## Stress in S&P 500 vs. VIX Index and VIX futures with different maturities

	2007-02-27	2011-08-08	
S&P 500	-3.5%	-6.7%	
VIX Index	64.2%	50.0%	
VIX futures 1	29.0%	25.4%	
VIX futures 2	16.0%	15.3%	
VIX futures 3	9.0%	13.0%	
VIX futures 4	5.0%	9.9%	

#### Flash crash 6<sup>th</sup> of May 2010

	intra day low / high	close
S&P 500	-8.6%	-3.2%
VIX Index	63.4%	31.7%
VIX futures 1	68.8%	20.9%
VIX futures 2	87.6%	14.3%
VIX futures 3	22.0%	11.0%
VIX futures 4	30.4%	9.1%

data source: ecamos Investment AG

### **GAP ANALYSIS**

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#### strategy results during the biggest moves of the S&P 500 in 2008

best	Edelweiss Volatility Fund	S&P 500		
2008-10-20	2.9%	6.1%		
2008-11-13	1.1%	6.4%		
2008-11-24	4.0%	7.1%		
2008-10-28	8.0%	12.5%		
2008-10-13	12.3%	14.1%		

worst	Edelweiss Volatility Fund	S&P 500		
2008-10-15	-2.5%	-9.9%		
2008-12-01	-1.6%	-8.9%		
2008-11-20	-4.2%	-7.9%		
2008-09-29	-2.9%	-7.9%		
2008-10-09	-2.0%	-7.0%		

#### worst days of the strategy ever

worst	Edelweiss Volatility Fund
2010-05-06	-6.7%
2007-02-27	-5.3%
2010-05-07	-4.4%
2008-11-20	-4.2%
2012-06-11	-4.1%
2011-02-22	-4.0%

data source: ecamos Investment AG

returns from September 2004 to October 2011 are simulated results based on the systematic trading model with pro forma adjustments made for the Fund's fees. Returns from November 2011 till now are real traded figures of a managed account. As such, such returns do not represent actual returns of the Fund during such time periods.

## **FACTS AND FIGURES**

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	Edelweiss Volatility Fund
strategy	Systematic Volatility Strategy
product	Single Strategy
target volatility	20% - 25%
domicile	Cayman Islands
subscription	1 <sup>st</sup> and 16 <sup>th</sup>
redemption	1 <sup>st</sup> and 16 <sup>th</sup>
currencies	USD, EUR, CHF, JPY, GBP, AUD, CNH
min. investment	institutional: USD 1m private: USD 25,000
reporting	monthly/weekly
management fee (p.a.)	institutional: 1% on TL private: 1.5% on TL
performance fee (high watermark)	institutional: 20% private: 20%
fund assets	USD 29m

### **DISCLAIMER & CONTACT INFORMATION**

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