

Dynamic Global Rotation Investment Strategy

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Investment Philosophy

Strategies based on Macroeconomic / company fundamental or a « *contrarian* » approach both have many limitations and lead to inconsistent performance

The underperformance of many investment managers is explained by entering a position too early or exiting a stock that remains in its accumulation phase

A reactive « *trend following* » approach renders a much more consistent long-term performance...

...insofar as the strategy exploits statistical biases in the prices and rapidly detects inflection points



Robust Strategy

Our strategy is the fruit of a long experience of trading combined with several years of intense research and optimization testing

The concept is simple and robust and is applied to highly liquid, listed securities

The statistical bias exploited by this methodology appears very stable throughout time

A *«trend-following»* approach implies less trading over shorter horizons



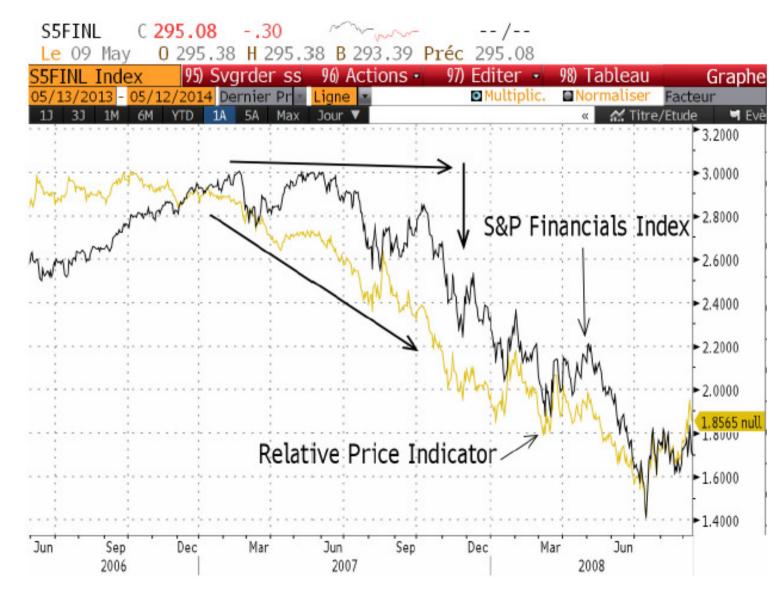
The elements in our analysis process:

- 1. absolute price data
- 2. relative price data
- 3. market risk indicator



The key element in our model is the use of a relative price indicator, complementing an analysis of absolute price levels

Our relative strength indicator allows both the anticipation of buy/sell signals and adds additional information in the evaluation of market prices...









Investment Process

A universe of over 200 investable indexes throughout the world is analyzed in real time in order to detect opportunities

The algorithm contains a limited number of parameters and uses the same criteria for all markets in which we operate with statistically comparable results



Investment Process

Determining the state of the markets: « Risk-On » or « Risk-Off »

Sort the universe of investable indexes and create a short-list of candidate indexes

Analyze the candidate indexes in the model and select those which have a high composite score

DGR Macro Trading Model

	Rec. Asset Classs Weights				WMA Asset Allocation Targets:			U.S. Equities		Developed Market Equities 8%		Emerging Market Equities 11%		Bonds 42%					
3,98					WMA U.S. Sector			Consume r	Staples	Finance	Real Estate	Health Care	Industrial s	Utilities	Tech	Telco	Energy	Material s	
-					Recommendations		Equal	Equal	Under	Under	Over	Under	Under	Over	Under	Under	Under		
	Recommended Sector Weights							Consume r	Staples	Finance	Real Estate	Health Care	Industrial s	Utilities	Tech	Telco	Energy	Material s	
					Recommendations		Equal	Equal	Under	Under	Over	Under	Equal	Over	Over	Under	Over		
	Sells: 1				Top two lines per security are Relative / Bottom two lines are Absolute														
	May 3, 2020 Buys: 2				Upper lines (1 & 3): short-term / Lower lines (2 & 4): medium-term														
9	North American Indexes	Ticker	Pos	Reversal Alerts Oversid Bounce	1-May	30-Apr	2 9-Apr	28-Apr	27-Apr	24 -Apr	23-Apr	22-Apr	21-Apr	20-Apr	Weekly	RSI	Break Outs	CLV's: 1-day 5-day 21-day 63-day	Risk Score
	DOW JONES INDUSTRIAL AVG	DIA	0.0%		Accum	Over	Over	Over	Over	Equal	Equal	Equal	Equal	Accum	Falling			-67%	
Г					Reduce BUY	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce				-86%	4
L						BUY	BUY	BUY	BUY	HOLD	HOLD	HOLD	SELL	BUY				48%	-
П	200+ investable	FTFs	to ch	10056	ose from	n 💾	SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL		55	6 10	-3%	
ΔL	2001 IIIVestable			10030			Accum	Accum	Accum	Accum	Accum	Accum	Accum	Over				-65%	
YI	S&P 100 INDEX	OEF	0.0%	_	Over	Over	Over	Over	Over	Over	Over	Over	Over	Over	Neutral			-85%	4
N					BUY	BUY	BUY	BUY	BUY	BUY	BUY	BUY	SELL SELL	BUY				56%	
4		+	-	- 50	Accum	Over	Over	Accum	Over	Accum	Accum	Accum	Equal	Over				13% -62%	
4	S&P 500 INDEX	SPY	0.0%		Reduce	Accum	Accum	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce	Reduce				-86%	196
					BUY	BUY	BUY	BUY	BUY	BUY	HOLD	HOLD	SELL	BUY	Falling			50%	4
					SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL				6%	
	S&P 500 Equal Weight	RSP	0.0%		Over	Over	Over	Over	Over	Reduce	Reduce	Reduce	Equal	Accum	Falling			-53%	
					Reduce BUY	Reduce	Reduce	Reduce	Reduce	Under	Under	Under	Under	Reduce			0 9	-81%	5
						BUY	BUY	BUY	BUY	HOLD	HOLD	HOLD	SELL	BUY				36%	3
					SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL	SELL				-6%	
	NASDAQ 100 STOCK INDX	QQQ	0.0%		Over	Over	Over	Over	Over	Over	Over	Over	Over	Over	Rising			-70%	
					Over	Over	Over	Over	Over	Over	Over	Over	Over	Over				-72%	4



Risk Management

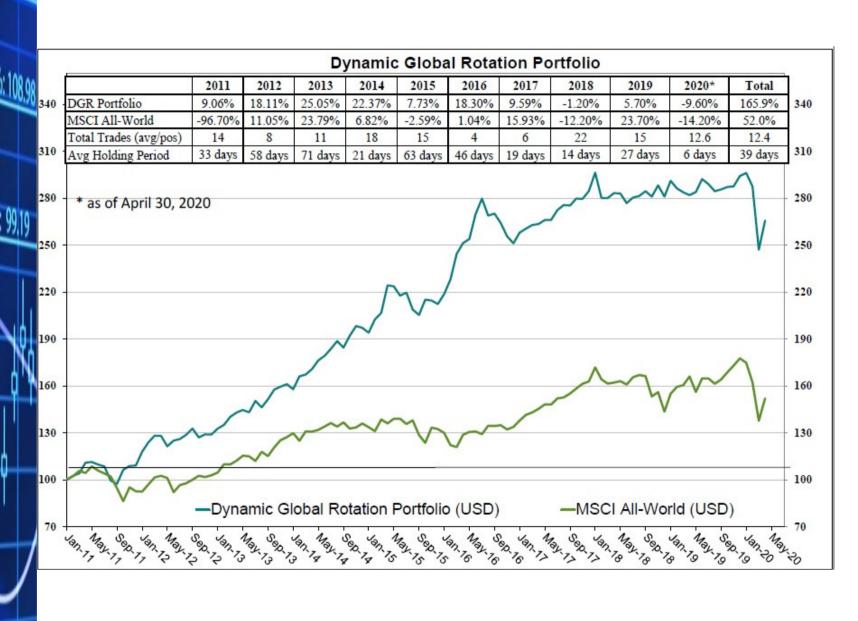
Single position allocations are limited to 10% of portfolio value

The principles of diversification are respected in the selection of sector or country index ETFs

The model instills a strict sell discipline: as soon as the score of an index deteriorates, the position is closed before the close of the same trading day

The ability to close all positions in less than 24 hours aids in controlling risk

Historical Performance



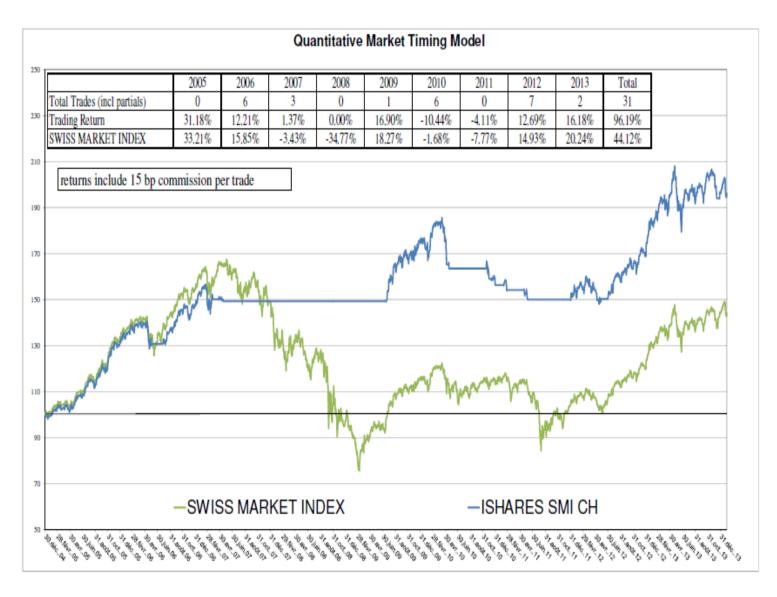


Historical Performance

example: 2013 Performance Attribution

Holding	2013 Performance	Days in Position	Contribution
Guggenheim Solar Energy	124.9%	185	96.5%
iShares US Broker-Dealers	63.5%	252	63.5%
iShares Nasdaq Biotechnology	65.4%	191	57.4%
iShares U.S. Aerospace & Defense	54.8%	252	54.8%
First Trust Dow Jones Internet	53.6%	252	53.6%
First Trust Global Wind Energy	63.5%	185	48.7%
Health Care Select Sector SPDR	39.0%	221	36.5%

Back-testing on Swiss Market Index (SMI)





Manager

Owen Williams, CFA, DBA

Owen has more than 20 years experience in the markets. After serving five years as the international economist and bond strategist at Ned Davis Research, he has, since 2004, actively managed multi-strategy portfolios within Swiss private banks. Beginning in 2010, Dr. Williams began employing his dynamic global rotation strategy in client accounts and one-year later launched Williams Market Analytics, LLC as independent financial advisory.

Owen holds an International MBA in finance from the Moore School of Business at the University of South Carolina, as well as a Doctorate in finance from the Grenoble Ecole de Management. He is also a CFA charter holder.



Investment Vehicles

Two investment alternatives are possible:

- 1. The strategy is available on the Folio*fn* platform. Professional investors can find all our strategy portfolios in the Manager Exchange.
- 2. A master account on Interactive Brokers (IB) contains model portfolios for all our strategies, including the DGR. Investors may hold individual, segregated accounts at IB and freely link/de-link from our strategies.

For further information on account set-up for new investors, contact us at info@williamsmarketanalytics.com