

### **Fund Management**

The Quant Outlook: II Paradiso?

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Any authors named on this report are research analysts unless otherwise indicated



#### Introduction

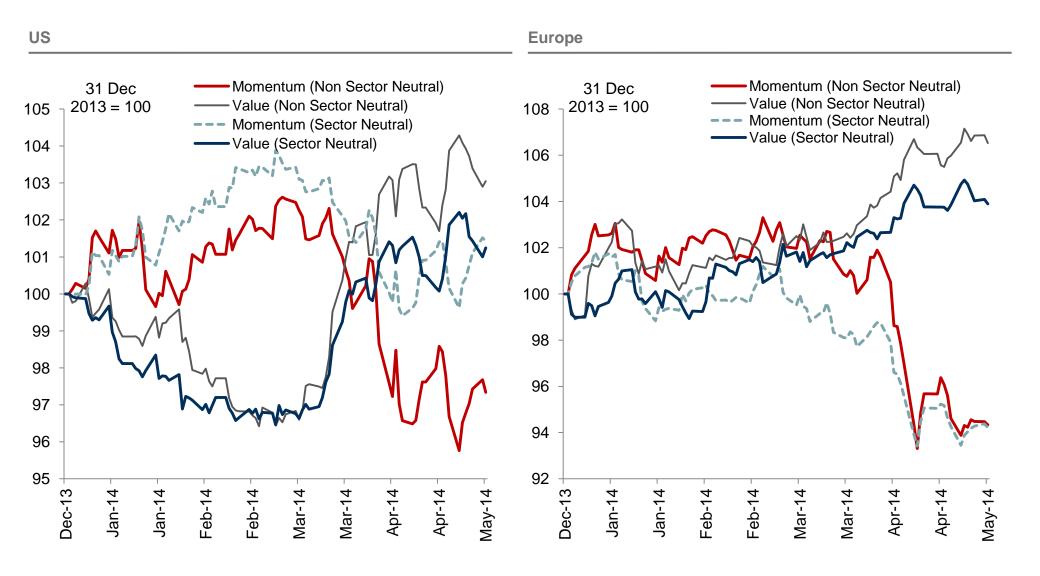
- Momentum's impact on recent fund performance
- No problem with low active share... as long as one is a quant
- The recovery of quant: *II Paradiso*?



# Momentum's impact on recent fund performance

## Daily performance of Composite Value & Composite Momentum

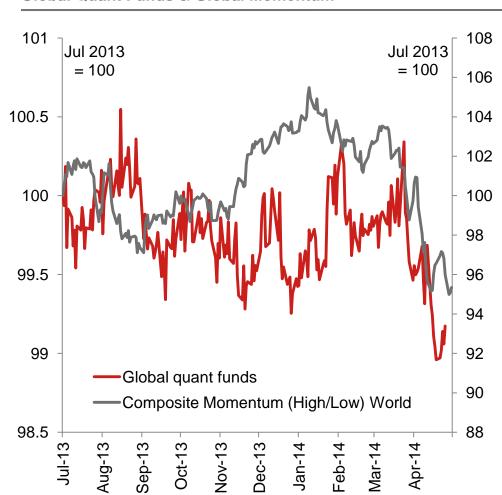




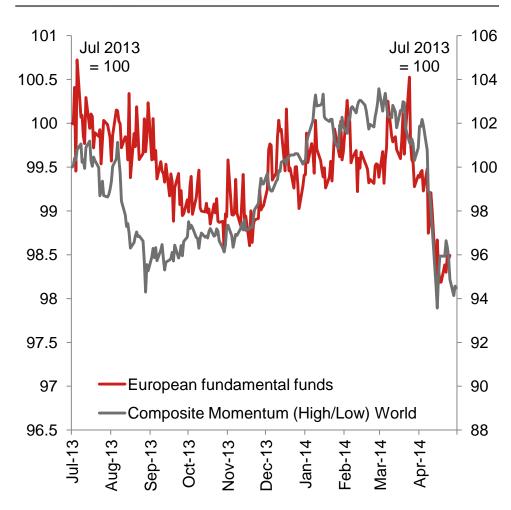
### Both quants and fundamental managers had loaded up on momentum



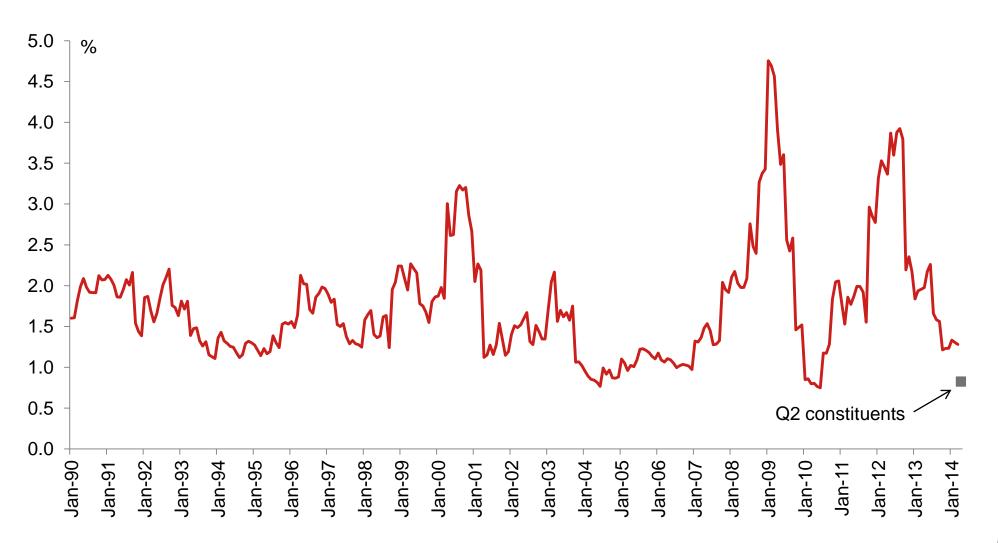
#### **Global Quant Funds & Global Momentum**



#### **European Fundamental Funds & European Momentum**



#### Momentum is cheap





#### Momentum means different things in different regions

	Global	Europe	US	GEM	
Basic Industries	-5%	0%	-2%	-11%	
Capital Goods	5%	-4%	7%	8%	
Consumer Cyclicals	6%	14%	4%	3%	
Consumer Staples	-15%	-23%	-7%	-3%	
Energy	-10%	-16%	-6%	-7%	
Financials	15%	24%	2%	-4%	
Healthcare	7%	0%	8%	5%	
Media	2%	3%	2%	3%	
Technology	7%	3%	7%	14%	
Telecoms	-3%	-3%	-2%	-8%	
Utilities	-10%	1%	-11%	0%	



# No problem with low active share... ... as long as one is a quant

#### **Active Share**

Active share increasingly used as an alternative to tracking error. Measures proportion of holdings that are different to benchmark, Cremers and Petajisto (2009)<sup>1</sup>.

$$Active \, share = \frac{1}{2} \sum_{i=1}^{N} [w_{fund,i} - w_{index,i}]$$

However, Petajisto (2013) <sup>2</sup> goes on to claim that low active share (<60%) is "just" closet indexing and does not add value. This has been picked up in the press and much discussed in meetings.

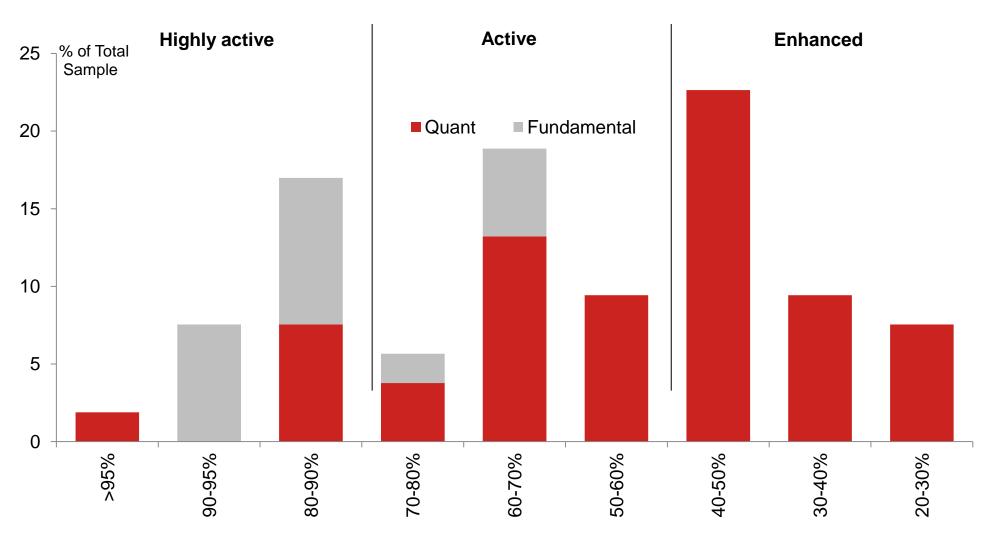
We do not dispute this for fund management at large. However, we think that for quants this is not the case. There is value in enhanced indexation.

<sup>1.</sup> Cremers, M and Petajisto, A (2009): How Active is your Fund Manager? A new measure that predicts performance, Review of Financial Studies 22, 3329-3365.

<sup>2.</sup> Petajisto, A (2013): Active Share and Mutual Fund Performance, available at SSRN









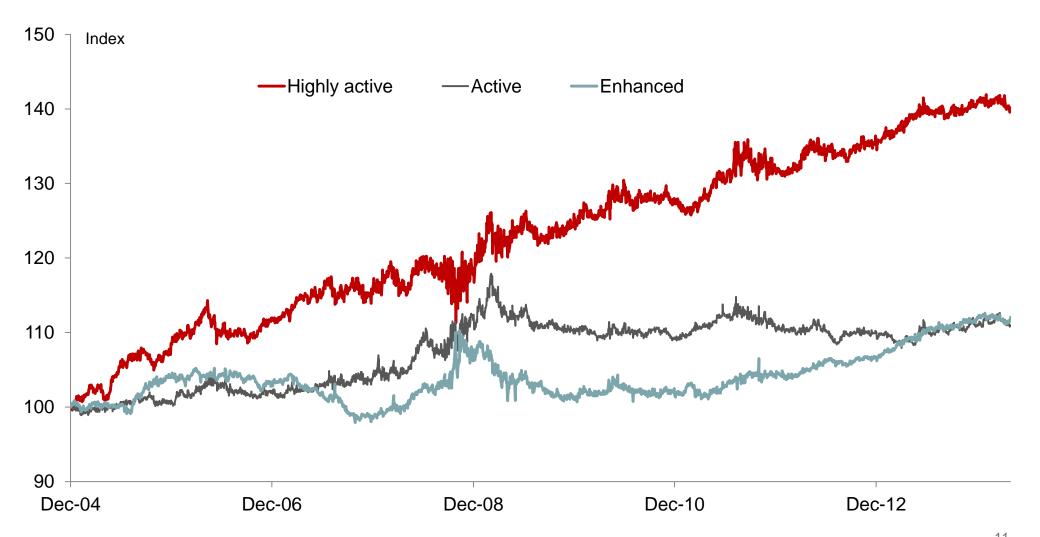
#### Relationship of active share and tracking error



Based on a sample of 52 quant and management funds. Source: Nomura Quantitative research

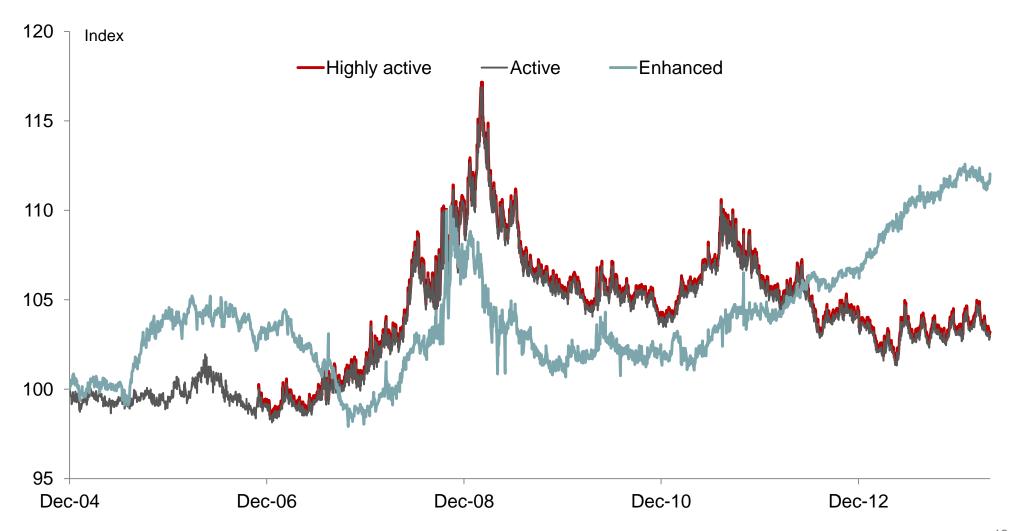
## Relative performance of managers by active share group (quants and fundamental)





## Relative performance of managers by active share group (quant only)







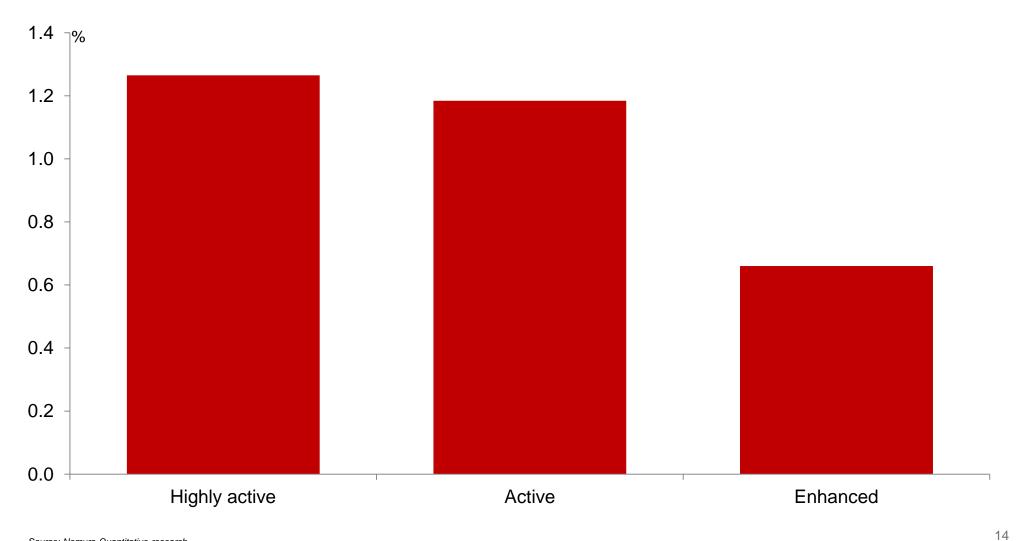
### Return and Risk for fund types by activity level

	Highly active	Active	Enhanced
		3 yr	
Return	3.01	0.10	3.34
Risk	7.51	5.18	4.15
R/R	0.40	0.02	0.80
		5yr	
Return Risk	2.64 7.89	-0.21 5.29	1.58 5.11
R/R	0.33	-0.04	0.31

Source: Nomura Quantitative research



#### **Expense ratio by active share category**



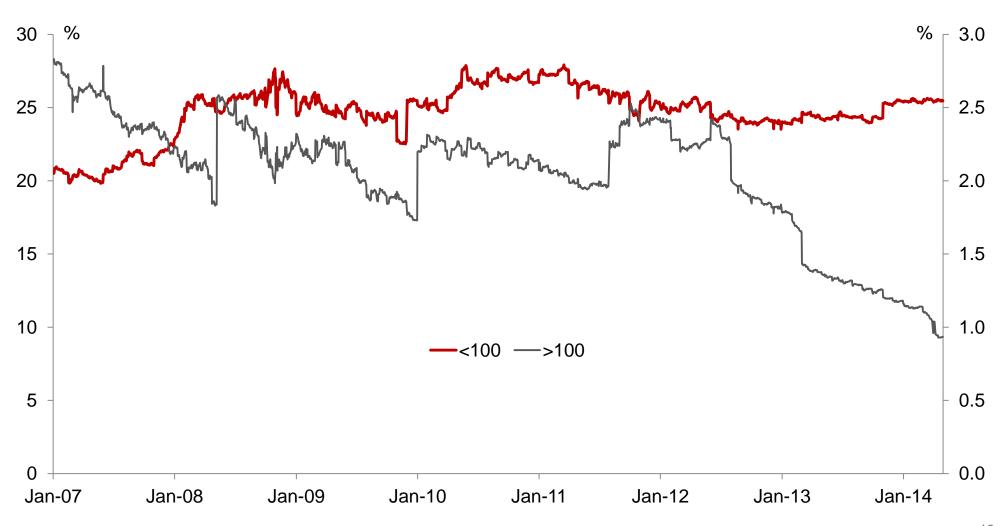


#### Active share and fee structure

	Highly active Active		Enhanced index			
Management fee	1.13	0.98	0.46			
Expense ratio	1.27	1.18	0.66			
Front load	1.41	2.84	2.18			
Back load	0.10	0.20	0.34			
Performance fee	7.83	7.86	0.00			



#### The demise of diversified fundamental managers?

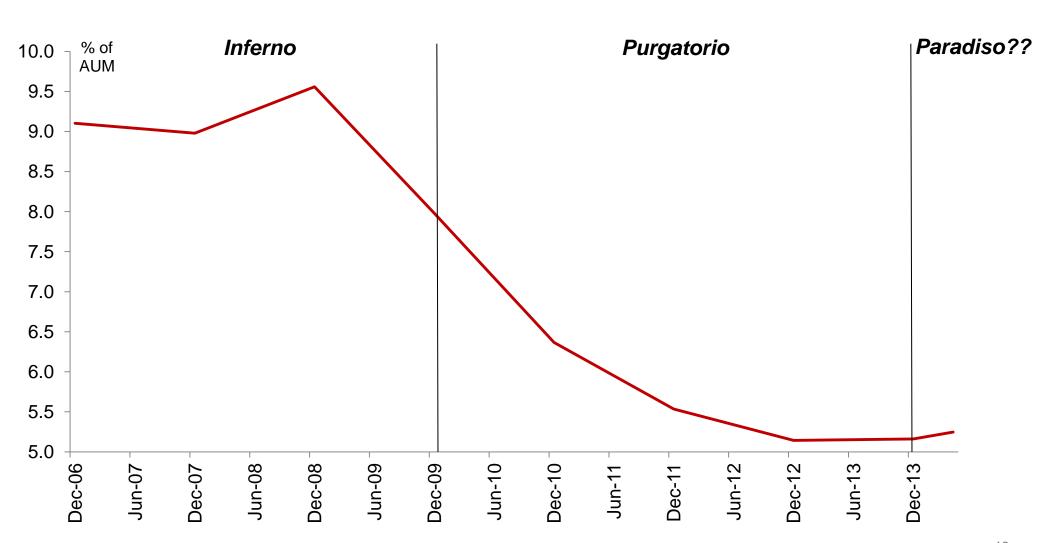




### The recovery of quant: *Il Paradiso?*



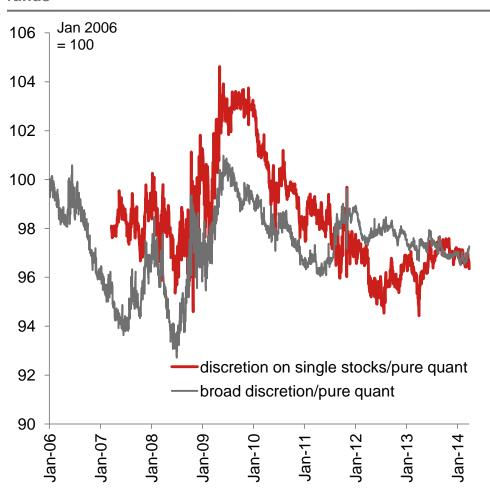




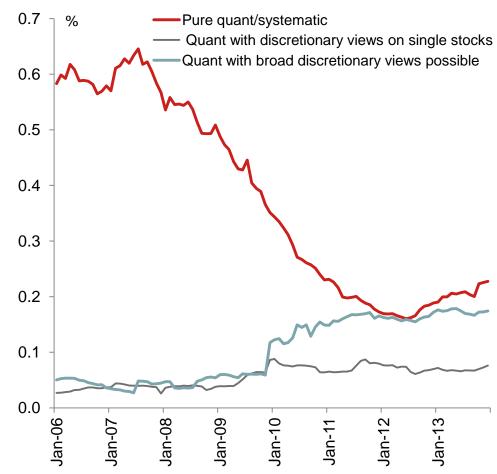


#### **Pure Systemic Funds gaining back share**

### Relative performance of pure quant and quant + discretionary funds

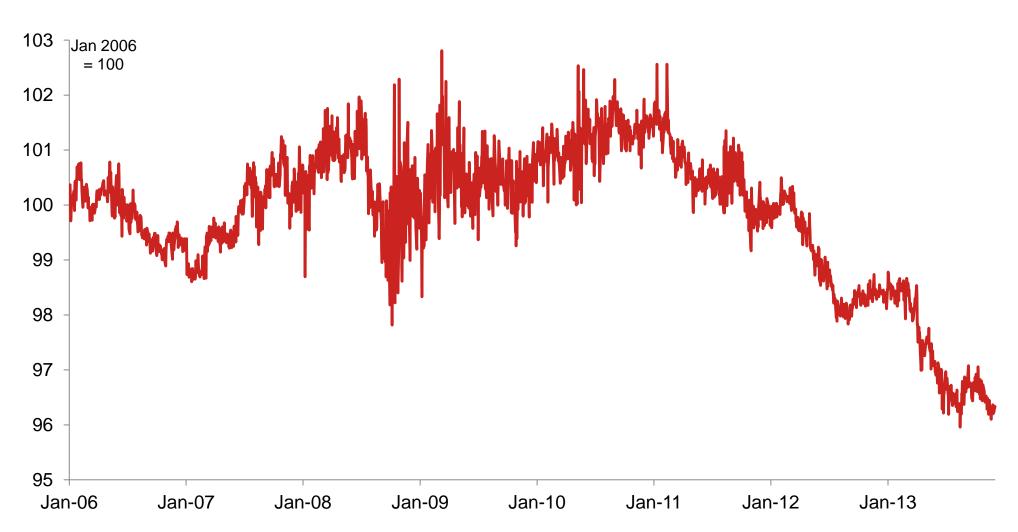


### Relative asset share of pure quant and quant + discretionary funds





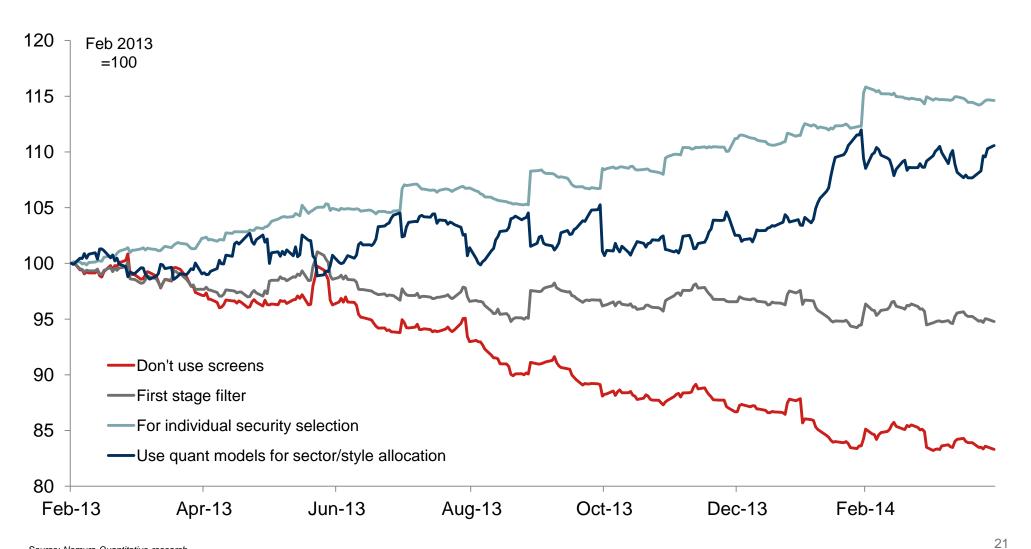
#### Inductive models underperforming deductive strategies



Source: Nomura Quantitative research



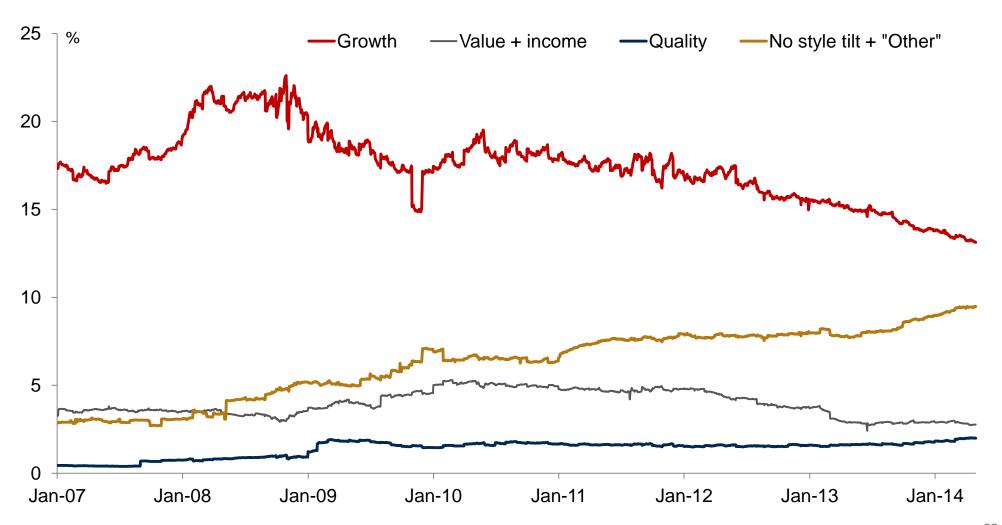
#### Non-quants who do not use quant are in decline



Source: Nomura Quantitative research

## Where have the growth managers gone?: Asset share of fundamental managers by style tilt







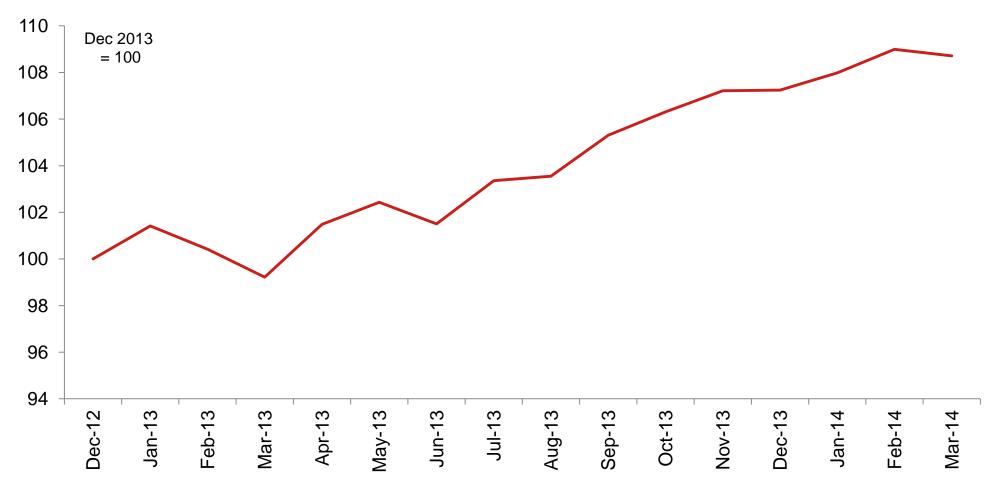
#### The Nomura Global Equity Quant Recommended Portfolio

								1 year
	Trade	Bloomberg	1 month	YTD	1 year	2 year	3 year	R/R
Strategic trades	Global Multifactor Model	na	+0.7%	+3.3%	+13.3%	+7.6%	+5.3%	2.7
	Equity Alternative Beta	na	+0.6%	+0.5%	+4.7%	+4.3%	+3.8%	2.3
	Volatility Risk Premium	NMEDSVP1 & NMEDSVP2	+0.8%	+1.2%	+4.8%	+7.0%	+4.9%	2.0
	Natural Index	na	+0.4%	+2.0%	+22.1%	+18.0%	+12.8%	2.0
	Stable Dividends	NMRASDVD	+1.3%	+2.5%	+20.5%	+19.1%	+15.3%	1.9
	Long Composite Risk	NMGLRISK	-3.0%	-0.5%	+7.7%	-2.3%	-8.3%	1.2
Tactical trades	Short Composite Quality	NMGQUAL	-0.9%	+0.5%	+0.2%	-0.6%	-4.4%	0.1
	Long European cheap domestic	NMRDOMS	+1.6%	+11.3%	+30.4%	+15.7%	-3.2%	2.8
	Long European Expected Growth	NMRAEGRW	-1.3%	+2.1%	-2.3%	+2.8%	-1.5%	0.5
	Short European Dividend Yield	NMRADVDL/NMRADVDS	-2.2%	-1.6%	-8.4%	+0.2%	+1.3%	1.2
	Short European internal Growth	NMRAINTR	+0.7%	+0.4%	+10.5%	+4.8%	-2.4%	1.8
	Long Composite Momentum		-2.8%	-3.1%	+20.6%	+14.6%	+6.3%	1.1
	Long EM quant country selector Model		-0.8%	-0.7%	+0.6%	-0.2%	-0.3%	0.6
			1 month	YTD				
	Recommended Quant Portfolio		-0.3%	+1.4%				
	HFR Market Neutral Index		+0.6%	+2.1%				

Note: As of end March 2014

## Performance of The Nomura Global Equity Quant Recommended Portfolio





Note: As of March 2014

We established our Recommended Global Quant portfolio in August 2013 (see A portfolio of Quant Ideas August 27 2013). It uses a combination of strategic strategies that are long-term core quant holdings and tactical ones that are a function of the cycle. The strategic and tactical components receive equal weighting and among the strategic quant trades we use equal risk contribution weighting. This is an absolute return strategy, so the benchmark is cash or market neutral hedge fund strategies. Source: Bloomberg, Nomura Quantitative strategy

#### **Conclusions**

- Active share is a useful counterpart to tracking error.
- Low active share <u>can</u> be value-added if one's process works on average rather than through high conviction, ie, if one is a quant.
- There is evidence that non-quants are leaving this space.
- Quant asset share rising (stabilisation of traditional quant + growth in alt beta).
- Alt beta is not a panacea for investors as single factor unlikely to perform, so need something else. Nor a panacea for managers as fees falling to 10-12bp range.
- But can be highly disruptive to non-quants. No point in paying for closet factorhugging.
- Is this the revenge of the quants?



#### **Appendix A-1**

#### Any Authors named on this report are Research Analysts unless otherwise indicated

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