CONSILIA CAPITAL



Real Estate Securities Funds Monthly

Period End: January 2015

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Real Estate Securities Funds Monthly

Summary

This month we have divided the report into the following sections:

1) A summary of January performance by fund mandate and size (p3)

Mandate	January return US\$%
European real estate	5.03
Global REIT	4.79
US Real estate	4.57
Global Real Estate	2.66
Asian Real estate	2.15
Japan Real Estate	1.20
Global Infrastructure Fund	-1.03
Real Assets Fund	-1.03
2) A summary of 5 year performance (p4,)
Mandate	5 yr return US\$%
US Real estate	127.02
Japan Real Estate	95.08
Global REIT	86.90
Global Real Estate	77.15
Global Infrastructure Fund	63.98
European real estate	53.44
Asian Real estate	53.20
Real Assets Fund	15.95

3) Focus: Decomposition of Real Estate Returns (ps 5-8)

Given the recent sharp changes in the traditional correlations between global REIT markets and other asset classes (away from global equities and towards global bond returns) this month we examine two papers which deal with the issue of decomposing real estate and REIT returns.

Firstly we look at a recent paper by CBRE (ps.5-6) which examines the returns of global cities to determine the extent to which they are correlated, with obvious implications for the efficiency of international diversification. They found that the cities mostly strongly influenced by global factors were Dublin, Madrid, and Paris, whilst the cities which were least affected were Tokyo, along with resource-driven cities such as Houston and Dallas, and Johannesburg and Cape Town. They also consider the impact of regional correlations.

Secondly, we look at an academic paper recently published by EPRA (ps7-8), which proposes a structural asset pricing model to decompose the return premia of listed real estate, direct real estate and common stocks. This study shows that shows that the expected listed real estate risk premium can be dissected into 36% stock market risk, 40% real estate risk and 24% business cycle risk

4) Detailed performance statistics by region (ps 9-15) for January 2015

For each mandate we show: the dispersion of returns by Fund AUM, popular benchmark returns and volatility, average, maximum and minimum fund returns, the best performing funds by size, for each mandate. For consistency, all returns are rebased in US\$.

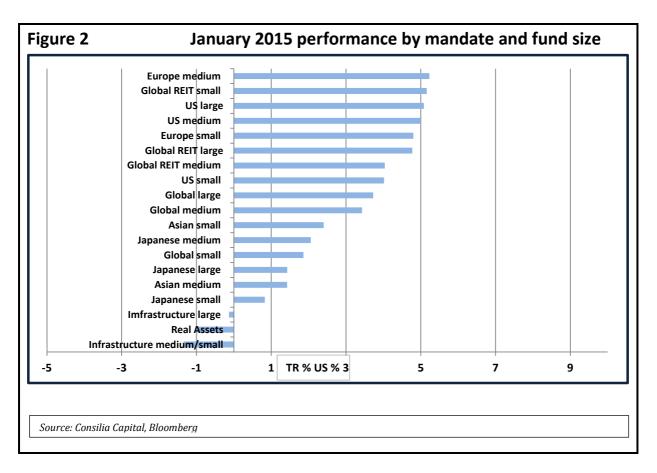
Finally, it is important to note that there are no recommendations or investment advice contained in this publication, and that it is not intended for retail investors. This report represents only a very small summary of the outputs of our database, and the bespoke research and advisory service work we undertake for clients. For further details of our work please contact us.

January 2015 performance summary

Firstly we show how each region and asset class has performed during the month, with the range of maximum and minimum outcomes. (Figure 1). Secondly, we look at the differences in performance of each mandate classified by size of Fund (Figure 2).

Figure 1 Fund performance January 2015					
Funds	Average (%)	Max (%)	Min (%)		
European real estate	5.03	13.21	-7.47		
Global REIT	4.79	11.29	-2.12		
US Real estate	4.57	21.17	-18.99		
Global Real Estate	2.66	13.98	-7.50		
Asian Real estate	2.15	8.75	-3.52		
Japan Real Estate	1.20	4.51	-4.47		
Global Infrastructure Fund	-1.03	5.99	-6.70		
Real Assets Fund	-1.03	1.30	-4.07		
Source: Consilia Capital, Bloomberg					

• European funds were the best performers in the month (Japanese in December and November), and again Global REIT funds outperformed Global Real Estate funds.

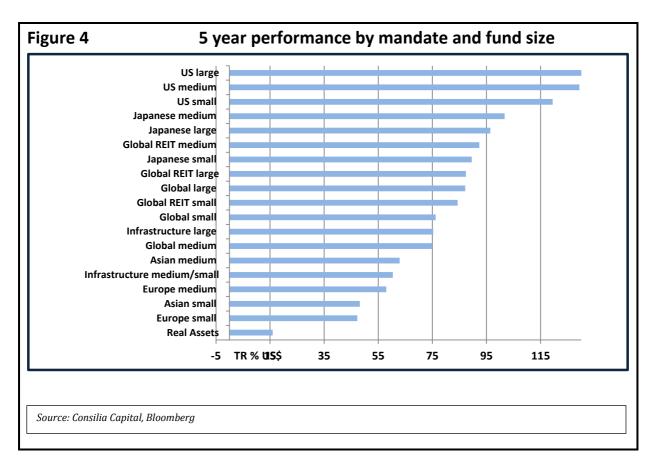


5 year performance summary

Firstly we show how each region and asset class has performed over the 5 years to January 2015, with the range of maximum and minimum outcomes (Figure 3). Secondly, we look at the differences in performance of each mandate classified by size of Fund (Figure 4).

Figure 3 Fund p	performance 5 yea	erformance 5 years				
Funds	Average (%)	Max (%)	Min (%)			
US Real estate	127.02	589.78	-98.57			
Japan Real Estate	95.08	120.54	47.01			
Global REIT	86.90	129.68	39.24			
Global Real Estate	77.15	242.25	-69.51			
Global Infrastructure Fund	63.98	120.22	-4.25			
European real estate	53.44	133.89	-44.16			
Asian Real estate	53.20	107.13	-11.42			
Real Assets Fund	15.95	39.37	-8.52			
Source: Consilia Capital, Bloomberg						

• On average Global Real Estate Funds outperformed Infrastructure and Real assets funds, due to the performance of the US REITs (Funds).



Focus Articles: Decomposition of Real Estate Returns

Given the recent sharp changes in the traditional correlations between global REIT markets and other asset classes (away from global equities and towards global bond returns) this month we examine two papers which deal with the topic of decomposing real estate and REIT returns.

Firstly we look at a recent paper by CBRE which examines the returns of global cities to determine the extent to which they are correlated. Intuitively, given the increasing global nature of capital flows, and, looking at 5 year raw real estate returns of say London and New York, or indeed the returns of listed specialists such as Derwent London and SL Green we would expect to see some correlation between the major global city clusters. This paper provides valuable insight into the exact nature of these city correlations and the variances between different cities and clusters.

Secondly, we look at an academic paper recently published by EPRA, which proposes a structural asset pricing model to decompose the return premia of listed real estate, direct real estate and common stocks.

The Common Factor in Global Real Estate Returns –Implications for Investment Strategy

Authors: Dr Richard Barkham and Kemi David, CBRE Research

Rationale for the study:

The rise in the value of the U.S. dollar relative to other currencies will have many consequences, one of which will be an increase in the international buying power of U.S. institutions. The authors argue that one could expect American investors to begin increasing weightings towards overseas real estate assets. This study of the correlation structure of global real estate returns has some implications for such an investment strategy.

Sample:

Their data is a sample of 26 cities from the MSCI IPD cities database, and they use the MSCI world index of total returns as a proxy for the global property market. They argue that whilst the approach is a bit rough and ready in statistical terms, it is instructive.

Hypothesis:

Their hypothesis is that, due to globalisation, a strong common factor is driving returns across world cities. However, variability in factors such as lease conventions, planning restrictions, natural geography, phase of development and industrial structure means the extent to which individual cities are affected by the global 'common factor' varies quite strongly.

Methodology:

They regressed the annual total return of each city in their sample on the market proxy, over the period 2000-2013. The R-squared values, representing the proportion of variance explained for each city, are displayed in Table 1 overleaf. They have corrected for heteroscedasticity.

Results:

The average R-squared value is 0.48, showing that the global factor is an important driver of returns across the whole sample. The cities for which the proportion of variance explained is less than 0.4 are relatively few.

Cities R-squared	0.50 or above	Cities R-squared b	elow 0.50
City	R-squared	City	R-squared
Dublin	0.83	Melbourne	0.45
Madrid	0.75	Oslo	0.4
Paris	0.74	Dusseldorf	0.39
Barcelona	0.69	San Francisco	0.39
Stockholm	0.67	Frankfurt	0.38
Wellington	0.61	Dallas	0.36
Rotterdam	0.60	Munich	0.34
Copenhagen	0.58	Berlin	0.32
New York	0.58	Cape Town	0.28
Manchester	0.57	Johannesburg	0.27
Amsterdam	0.56	Houston	0.13
Los Angeles	0.55	Tokyo	0.09
London	0.51		
Lisbon	0.5		
Sydney	0.5		

Table 1 Correlations: Global Cities' total Returns

Analysis and Interpretation:

It is interesting to see that, over the past 14 years, the resource-driven cities of Houston, Dallas, Johannesburg and Cape Town have been amongst the least affected by general economic trends. We can also see that German cities such as Munich and Berlin, alongside Tokyo, have been somewhat independent of the property market movements over the past decade or so. The economies of Japan and Germany are often linked, in economic terms, due to the importance of exports in their respective economics. It may be that some of their contra-cyclical performance over the period is linked to trends in China's economic growth, which was has been somewhat independent of world growth since before the crisis. It might also be due to the stability of their respective banking sectors. Of course, these results, and the time period for which the authors have data, suggest that they might be picking up the rather specific impact of the Great Financial Crisis. Many of the cities that have been most strongly influenced by overall market movements—such as Dublin, Madrid, Barcelona, Rotterdam and New York—were indeed hit very hard by the financial crisis. London, as befits the ultimate world city, is very close to the sample average.

Regional vs Global correlations:

The authors then examine the residuals from each of the equations to identify common factors that are not global, but do affect—or in some senses define—clusters of cities, or 'peer groups'. Not surprisingly, perhaps, they find that after the global factor is removed there is a high degree of regional correlation. U.S. cities are highly associated with other U.S. cities, and the same can be said of European cities. Within region, location does not seem to affect the strength of this secondary correlation. Northern European cities are highly correlated with those in the south, for instance. This suggests a very strong motivation for U.S. institutions to own European real estate and vice versa. Interestingly, there are a number of cities that seem to escape this 'secondary' association. London is very weakly correlated with Europe or the U.S., as is Tokyo. This may go some way toward explaining why these two cities have such large and liquid real estate investment markets. The other set of cities that are correlated with each other but not with European or U.S. cities are the Nordics. The secondary correlation of the South African cities is with Australia.

Conclusions

Echoing the comments we made at the beginning of this piece, the authors re-iterate that investors should be wary of time-varying correlations. However they believe that these results show there are still great gains in portfolio efficiency to be made from international diversification, particularly for the acquisition of European City assets by U.S. investors, armed with the buying power of a strong dollar.

Are REITs real estate or stocks? Dissecting REIT returns in an asset pricing model

Authors:

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Rationale for the study

Investors who are interested in obtaining real estate exposure in their stock- and bond-dominated portfolios often try to achieve this by investing in publicly traded REITs. But it is questionable as to which extent they really invest in the underlying real estate market by using this vehicle. In other words: Are REITs real estate or stocks? The authors think that investors need a deeper understanding of the basic link between the different markets and influencing risk factors in order to know whether they are investing in real estate risk or stock market risk when buying REIT shares. The authors' believe that their asset pricing model is able to quantitatively show to which extent REIT returns can be explained by a combination of the pure stock market risk, pure real estate market risk and business cycle risk. This result helps investors to reallocate their multi-asset portfolios to their actual desired exposure to the different risk factors.

Data

They believe there is surprisingly little work that tries to connect these findings in a theoretically rooted asset pricing framework, which is why they introduce a structural asset pricing model which allows them to study the linkages between common stocks, listed real estate and direct real estate in an innovative way. To calibrate their theoretical asset pricing model, they use the data of price and income returns for all three series: (1) stocks, (2) listed and (3) direct real estate in the US between 1984 and 2011. To describe the properties of the stock market, they rely on the Russell 3000 Index. By using such a broad market index, they consider possible growth or market capitalisation effects in stock returns. Data for the direct real estate market are gathered from the NCREIF NTBI Total Return Index. This index is best qualified to be consistent with the investment universe of the listed real estate market. For the listed real estate market, they use data from the FTSE NAREIT Equity REIT Index.

Methodology

With a principal component analysis they can show that there are three major different sources of priced risk in both real estate assets and common stocks: (1) business cycle risk (or market-wide risk), (2) stock market specific risk and (3) real estate market specific risk. The return dynamics of all three asset classes are explained by combinations of these three risk factors. By means of their model, they quantitatively account for the stochastic properties of the three assets and they are able to investigate economic linkages between the stock market and the real estate market. Their asset pricing model allows them to solve for the return generating process of all three assets and to compare the stochastic properties of simulated data with those of empirical data. For a better understanding of the potential linkages between the stock market and the real estate market on the listed real estate market. The first model specification allows for stock market spillovers to listed real estate whereas the second model specification does not include such spillovers.

Real Estate Securities Funds Monthly

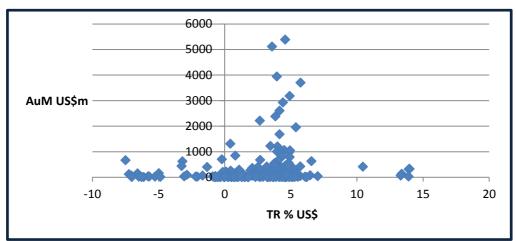
Results

First, they calibrate the model to match the empirical data of common stocks, listed real estate and direct real estate. They find that the model with stock market spillovers is closer to observed empirical characteristics of listed real estate than the model without spillovers is. In more detail, the former matches the empirical average returns of all three assets very well, and the standard deviations and first-order autocorrelation reasonably well. The correlation between common stocks and listed real estate is similar to the empirical data. However, the correlation between stocks and direct real estate is lower, and the correlation between listed and direct real estate is larger than in the empirical data. Second, they analyse the dissection of the expected risk premia of all three asset classes. In the model specification with spillovers, the expected listed real estate premium can be dissected into 36% stock market risk, 40% real estate risk and 24% business cycle risk. Simply put, stock market spillovers cause about one third of the listed real estate premium and consequently induce a correlation between common stocks and listed real estate which is twice as high as that for direct real estate. Despite this substantial stock market spillover, the correlation between listed and direct real estate remains high in the model and illustrates the surrogate potential of listed real estate vehicles for the direct real estate market.

Conclusion

With their straightforward and intuitive asset pricing model, they can mimic several important empirical properties of common stocks, listed real estate and direct real estate. A specification which includes a medium-sized spillover channel from common stocks to listed real estate shows that the expected listed real estate risk premium can be dissected into 36% stock market risk, 40% real estate risk and 24% business cycle risk. Using these quantitative results, their model can help to allocate multi-asset portfolios with publicly traded REITs in order to replicate the exact exposure of the underlying direct real estate market.

Global Funds Performance January 2015



By Fund size

Fund	Average	Maximum	Minimum
Global large	3.73	5.74	-0.21
Global medium	3.43	13.98	-7.50
Global small	1.86	13.90	-7.05
All Funds	2.66	13.98	-7.50

Best Performing Funds

Global Large Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
DFA Global Real Estate Securities	5.74	2.04	10.33	3 <i>,</i> 697	Fund of Funds
SPDR Dow Jones Global Real Estate ETF	5.38	1.92	10.43	1,947	ETF
iShares Developed Markets Property Yiel	4.91	2.78	9.65	3,177	ETF
Deutsche Global Real Estate Securities	4.88	1.83	9.77	978	Open-End
Voya Global Real Estate Fund	4.58	1.67	9.93	5,378	Open-End

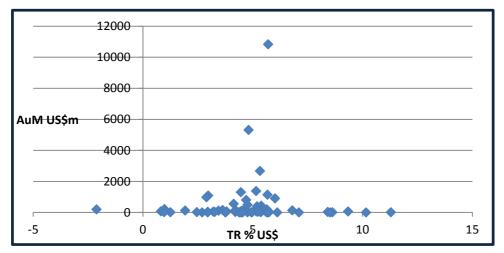
Global Medium Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
UBS CH Global Real Estate Securities Pas	13.98	2.40	9.71	322	Open-End
IAM-Immo Securities Fund	10.45	4.46	8.34	404	FCP
ING Global Real Estate Fund	5.71	2.90	11.94	420	Open-End
Dimensional Funds - Global Real Estate	5.53	2.28	10.58	11	Open-End
Investors Global Real Estate Fund	5.48	2.09	10.45	136	Open-End

Global Small

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
UBS AST Immobilien Global Indexiert hed	13.90	2.29	9.63	22	SICAV
JPM Global Property Income Fund	7.04	2.21	9.23	21	Open-End
PruLink Global Property Securities Fund	6.47	2.66	10.10	33	Open-End
Aston/Harrison Street Real Estate Fund	6.07	1.84	10.44	75	Open-End
Meiji Yasuda Strategic REIT Fund Forecas	5.72	3.31	5.66	14	Open-End

Global REIT Funds Performance January 2015



By Fund size

Fund	Average Maximum		Minimum
Global REIT large	4.77	6.02	2.90
Global REIT medium	4.04	6.80	-2.12
Global REIT small	5.16	11.29	0.97
All Funds	4.79	11.29	-2.12

Best Performing Funds

Global REIT Large Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Okasan World REIT Selection	6.02	4.22	13.25	900	Fund of Funds
Nikko LaSalle Global REIT Fund	5.70	4.13	12.10	10,828	Fund of Funds
Nikko AMP Global REIT Fund	5.68	4.04	12.12	1,137	Fund of Funds
DIAM World REIT Index Fund	5.33	4.02	12.00	2,670	Fund of Funds
Daiwa Global REIT Open Fund	5.15	3.72	12.91	1,373	Fund of Funds

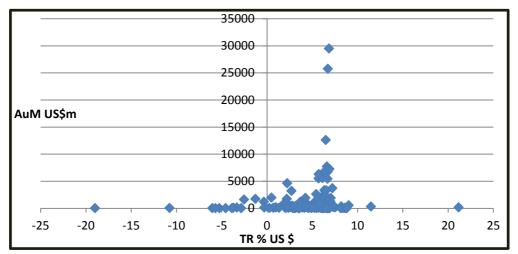
Global REIT Medium Funds

Fund	Jan 2015	TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
PowerShares KBW Premium Yield Equity		6.80	1.72	10.68	133	ETF
SMTAM SMT Global REIT Index Open		5.66	4.02	12.82	112	Fund of Funds
Daiwa Fund Wrap International REIT Sele		5.45	4.01	12.96	321	Open-End
Sompo Japan Global REIT Fund		5.39	4.16	11.52	430	Open-End
Nomura World REIT Fund		5.20	3.87	10.68	385	Fund of Funds

Global REIT Small Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
IFM - Prefimmo REIT Fund	11.29	n/a	n/a	13	Open-End
BNY Mellon Global REIT	10.16	3.10	18.91	1	Open-End
Nomura World REIT	9.35	3.55	18.03	59	Open-End
Nikko AMP Global REIT Fund	8.63	2.70	8.80	9	Fund of Funds
Nomura World REIT Fund	8.53	3.07	8.87	3	Fund of Funds

US Funds Performance January 2015



By Fund size

Fund	Average	Maximum	Minimum
US large	5.08	7.22	-2.52
US medium	5.00	11.48	-3.71
US small	4.02	21.17	-18.99
All Funds	4.58	21.17	-18.99

Best Performing Funds

US Large Funds

Fund	Jan 2015 TR %	Sharpe Ratio	Volatility%	AUM US\$	Туре
iShares Cohen & Steers REIT ETF	7.22	2.34	11.11	3,680	ETF
American Century Real Estate Fund	7.04	2.37	10.67	1,887	Open-End
Goldman Sachs US REIT Fund B Course	7.01	3.91	13.40	1,257	Fund of Funds
DFA Real Estate Securities Portfolio	6.89	2.23	10.86	7,232	Open-End
Vanguard REIT ETF	6.85	2.23	10.67	29,487	ETF

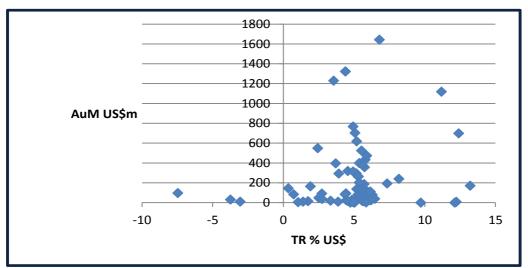
US Medium Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
ProShares Ultra Real Estate	11.48	2.15	19.42	306	ETF
Goldman Sachs US REIT Fund	9.02	2.26	10.41	542	Fund of Funds
iShares Residential Real Estate Capped E	8.19	2.10	11.63	341	ETF
RMR Real Estate Income Fund	7.54	2.55	9.84	144	Closed-End
LMP Real Estate Income Fund Inc	7.34	2.98	10.57	170	Closed-End

US Small Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Direxion Daily Real Estate Bull 3x Shares	21.17	2.18	32.14	157	ETF
Nissay/AEW US REIT Open A Hedged	8.81	2.70	10.33	7	Fund of Funds
PineBridge US REIT Income Fund A Course	8.75	2.63	10.67	3	Fund of Funds
Fidelity US REIT Fund A - Hedged	8.62	2.65	10.27	61	Fund of Funds
Daiwa US REIT Open - Monthly Settlement	8.53	2.81	10.34	18	Fund of Funds

European Funds Performance January 2015



By Fund size

Fund	Average	Maximum	Minimum
Europe medium	5.23	13.21	-7.47
Europe small	4.80	12.23	-3.74
All Funds	5.03	13.21	-7.47

Best Performing Funds

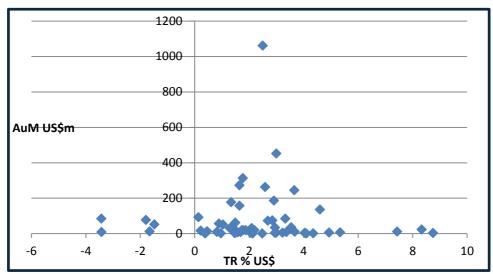
European Medium Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Mi-Fonds CH - SwissImmo	13.21	2.65	6.69	170	Open-End
UBS CH Institutional Fund - Swiss Real Es	12.41	2.86	7.92	698	Open-End
Credit Suisse Real Estate Fund Property P	11.19	1.28	12.20	1,117	Closed-End
Kempen European Property Fundamental	8.18	2.03	12.93	240	Open-End
SSgA Europe Ex UK Index Real Estate Fund	7.34	2.19	13.36	193	SICAV

European Small Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
UBS ETF CH-SXI Real Estate CHF	12.23	3.50	7.59	8	ETF
Deutsche Europe REIT Fund	12.13	n/a	n/a	1	Open-End
Amundi Europe REIT Fund High Interest C	9.72	n/a	n/a	1	Open-End
SSgA Europe Index Real Estate Fund	6.48	2.32	14.86	39	SICAV
Europe Real Estate Strategy Fund Annuall	6.16	n/a	n/a	111	Open-End

Asian Funds Performance January 2015



By Fund size

Fund	Average	Maximum	Minimum
Asian medium	1.43	4.60	-3.43
Asian small	2.40	8.75	-3.52
All Funds	2.15	8.75	-3.52

Best Performing Funds

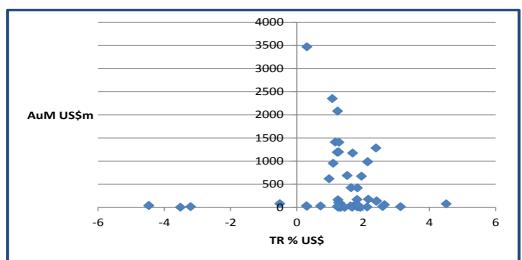
Asian Medium funds

Fund	Jan 2015	TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
B&I Pan-Asian Total Return Real Estate Se		4.60	4.61	6.41	135	Open-End
iShares Asia Property Yield UCITS ETF		3.66	2.40	11.08	244	ETF
SPDR Listed Property Fund		3.00	2.33	12.51	452	ETF
Schroder Asia Pacific Property Securities		2.91	0.89	11.89	186	SICAV
SMTAM Asia REIT Research Open		2.85	3.38	10.15	74	Open-End

Asian Small funds

Fund	Jan 2015	TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Sumitomo Mitsui Asia High Yield REIT Fu		8.75	2.80	16.49	2	Open-End
Kotak India Equity Fund		8.33	3.42	17.48	22	Open-End
Lippo Select HK & Mainland Property ETF		7.43	0.61	21.08	10	ETF
Kokusai Asia Real Estate Related Stock O		5.34	2.37	17.31	6	Open-End
RHB-OSK Asian Real Estate Fund		4.93	1.51	15.63	5	Unit Trust

Japanese Funds Performance January 2015



By Fund size

Fund	Average	Maximum	Minimum
Japanese large	1.43	2.39	0.31
Japanese medium	2.06	4.51	1.25
Japanese small	0.83	3.13	-4.47
All Funds	1.20	4.51	-4.47

Best Performing Funds

Japanese Large funds

Fund	Jan 2015	TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
DLIBJ DIAM J-REIT Open - Owners Income		2.39	3.78	11.29	1,281	Fund of Funds
NEXT FUNDS REIT Index ETF		2.14	3.30	10.86	984	ETF
Listed Index Fund J-REIT Tokyo Stock Exch		1.95	3.26	10.72	672	ETF
Mitsubishi UFJ J REIT Open - Quarterly Di		1.69	3.18	11.99	1,172	Fund of Funds
MHAM Mizuho J-REIT Fund		1.52	3.22	12.19	686	Fund of Funds

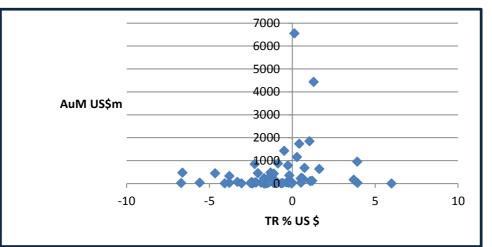
Japanese Medium funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Mizuho JREIT Fund BRL Course	4.51	3.51	18.09	75	Open-End
DLIBJ DIAM J-REIT Open - 2 Month Course	2.41	3.77	11.32	140	Fund of Funds
DIAM Strategic J-REIT Fund	2.16	4.00	11.50	174	Open-End
Daiwa Fund Wrap J-REIT Select	1.83	3.45	12.07	419	Open-End
Nomura J-REIT Open	1.82	3.42	11.90	168	Fund of Funds

Japanese Small funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
T&D J-REIT Fund Limited Open Type	3.13	n/a	n/a	14	Open-End
Tokio Marine J-REIT Fund	2.65	2.73	10.03	56	Open-End
Mizuho JREIT Fund JPY Course	2.59	2.65	10.26	19	Open-End
SMAM JReit Active Fund Wrap	2.19	n/a	n/a	n/a	Open-End
Daiwa J-REIT Fund	2.12	3.50	12.05	9	Fund of Funds

Infrastructure/Real Asset Funds January 2015



By Fund size

Fund	Average	verage Maximum	
Infrastructure large	-0.13	3.92	-4.65
Infrastructure medium/small	-1.34	5.99	-6.70
Real Assets	-1.03	1.30	-4.07
All Funds	-1.03	5.99	-6.70

Best Performing Funds

Global Infrastructure Large

Fund	Jan 2015	TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Nomura Deutsche High Dividend Infrastr		3.92	2.63	20.09	957	Open-End
Partners Group Invest - Listed Infrastruct		1.63	3.47	11.22	638	SICAV
First State Investments ICVC - Global Liste		1.04	3.02	10.00	1,848	OEIC
Nuveen Global Infrastructure Fund		0.74	1.81	10.06	686	Open-End
Russell Global Infrastructure Fund		0.42	1.34	10.24	1,735	Open-End

Global Infrastructure Medium/ Small

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
Tata Growing Economies Infrastructure F	5.99	1.74	12.49	3	Open-End
Nomura Deutsche High Dividend Infrastr	3.93	2.63	20.13	29	Open-End
Shinko Global Infrastructure Equity Fund	3.71	2.44	12.44	167	Open-End
Credit Suisse Lux Infrastructure Equity Fu	1.09	1.13	10.44	105	Open-End
RARE Investment Funds PLC - RARE Infrast	0.56	3.47	11.56	254	Open-End

Real Assets Funds

Fund	Jan 2015 TR %	Sharpe ratio	Volatility %	AUM US\$m	Туре
T Rowe Price Real Assets Fund Inc	1.30	0.37	12.46	4,435	Open-End
Prudential Real Assets Fund	1.20	0.73	7.83	117	Open-End
Cohen & Steers Real Assets Funds Inc	0.63	0.14	7.67	217	Open-End
Ofi MultiSelect - Lynx Real Assets	0.00	-0.83	7.65	33	SICAV
MKB Real Estate Fund of Funds	-0.03	n/a	n/a	2	Fund of Funds

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