



EPRA RESEARCH

European Public Real Estate Association

Monthly Index Chart Book

March 2016



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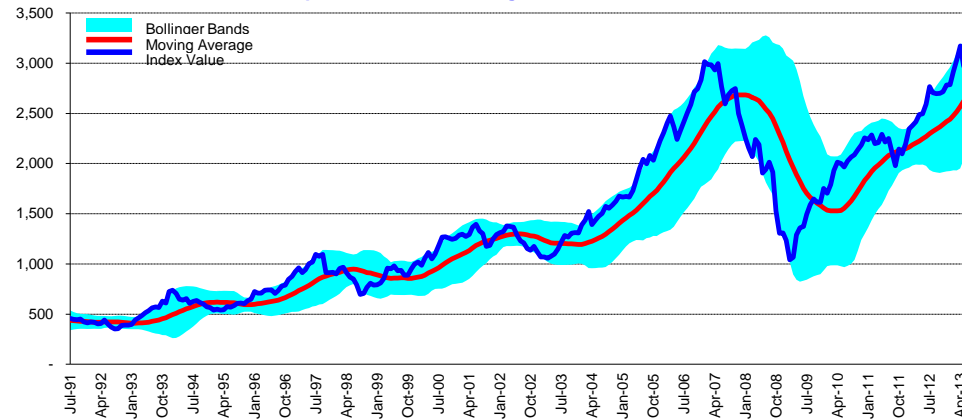
Introduction

This Index Chart Book is intended to run in parallel with the *EPRA Statistical Bulletin* and *Monthly Review*. While the bulletin focuses on performance, this index chart book will use the same data in an effort to identify historical trends and indicators on the index series.

Example

This month's highlighted graph is Graph 6, the Bollinger Bands for the FTSE EPRA/NAREIT Global Developed index, as shown on the right. When we look at the Bollinger Bands, as a measure of market volatility, the picture is quite clear: during the 2003-2006 run, the index continuously traded along the upper band, pushing it higher and higher. The 2007 and 2008 market correction saw the index dropping to near the lower band, and in December the index actually dropped below the lower band. Up to 2003 all three bands were parallel, but since then we see a widening of the bands, which indicates that the market has become increasingly volatile. However, since the market recovery this year-to-date, we see that the index level now almost equals the moving average, and is now more or less in the middle of both borders. As a result, the Bollinger bands are now narrowing indicating a stronger direction towards the market is going (according to the theory/model).

Graph 6: 20 Month Bollinger Bands - Global



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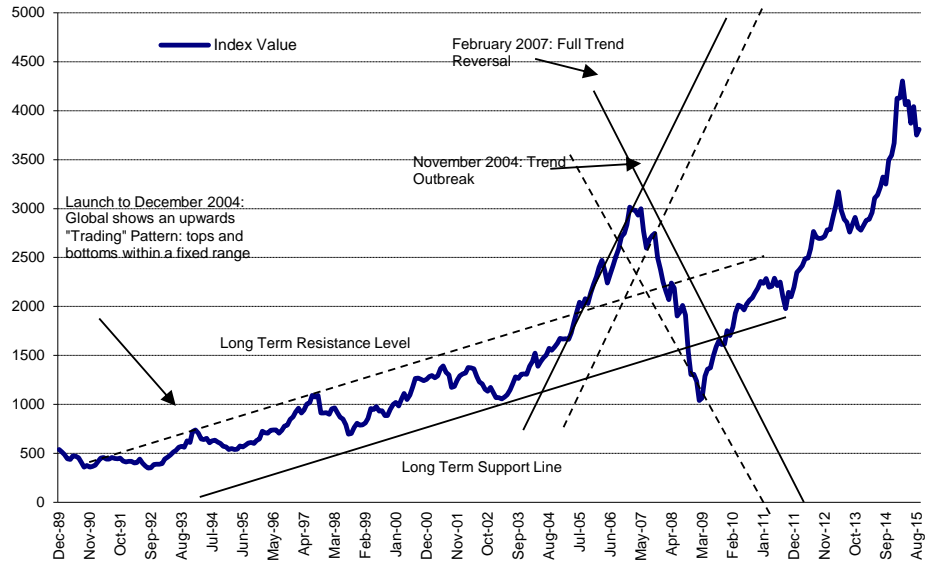
For an explanation of the graphs and details on the calculation, please refer to Section 8.

A disclaimer applies to this document. Please refer to page 126.

Section 1

Global Developed

Graph 1: Long Term Technical Analysis - Global ***

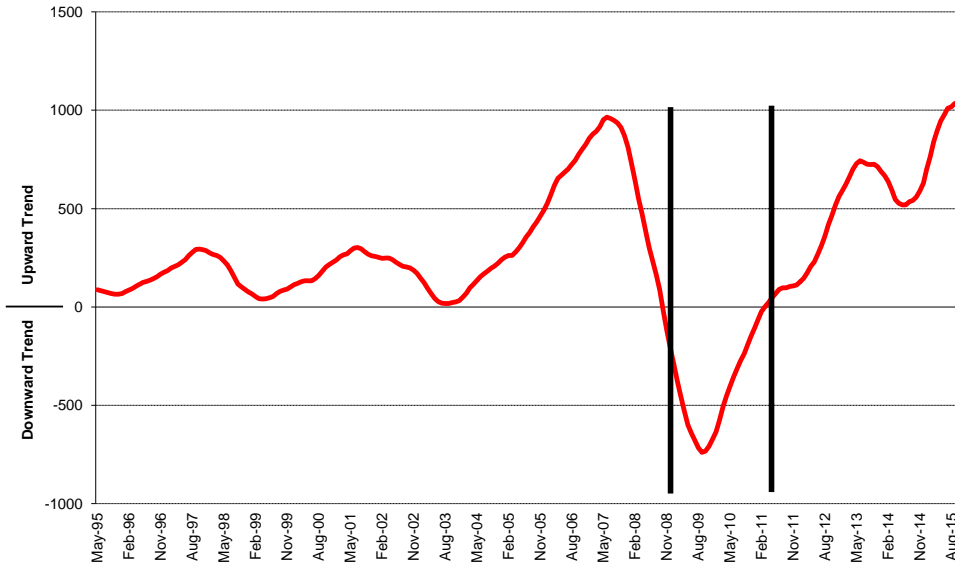


*** A disclaimer applies to this graph. Please refer to page 126.

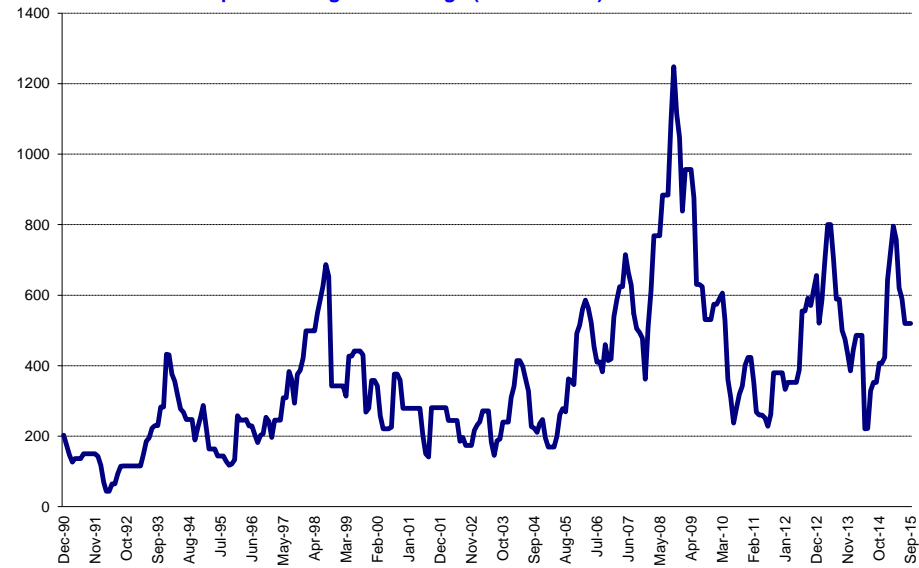
Graph 2: 1Y Retracement Levels - Global



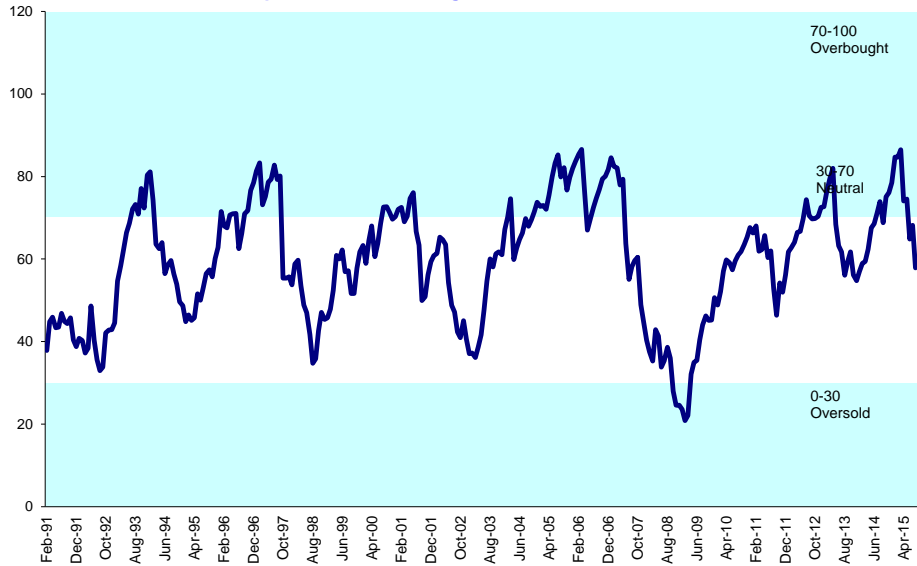
Graph 3: Moving Averages: 5 Year vs 1 Year Oscillator - Global



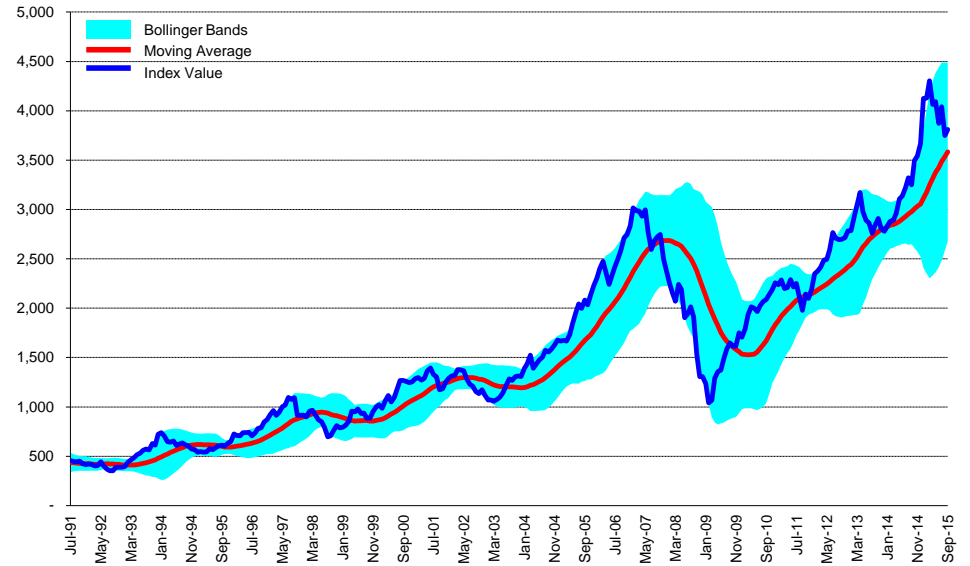
Graph 4: Average True Range (Index Points) - Global



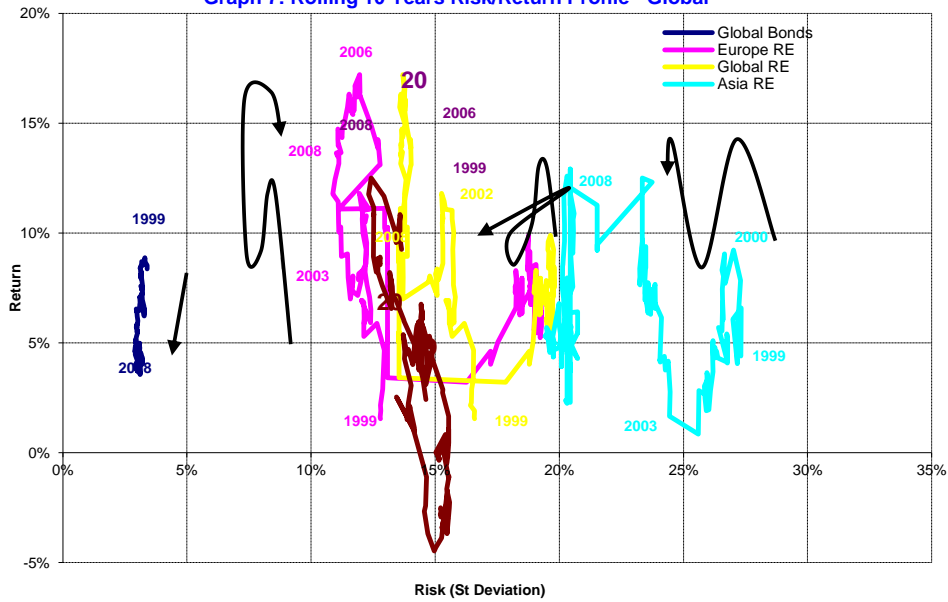
Graph 5: Relative Strength Indicator - Global



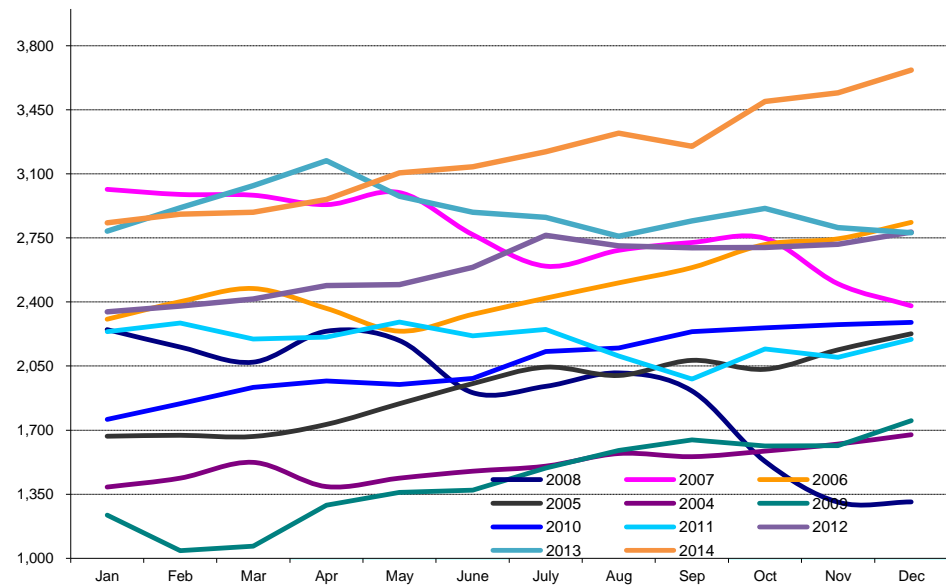
Graph 6: 20 Month Bollinger Bands - Global



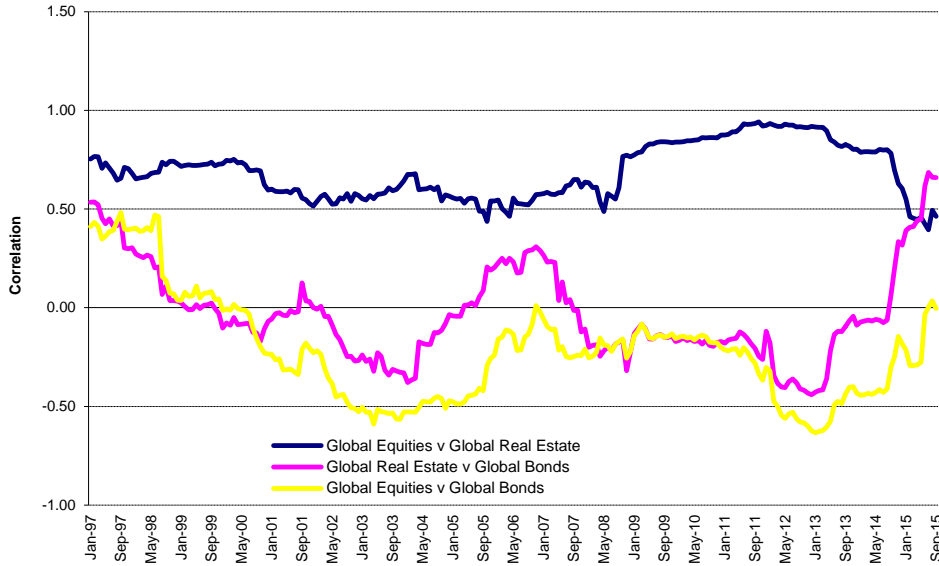
Graph 7: Rolling 10 Years Risk/Return Profile - Global



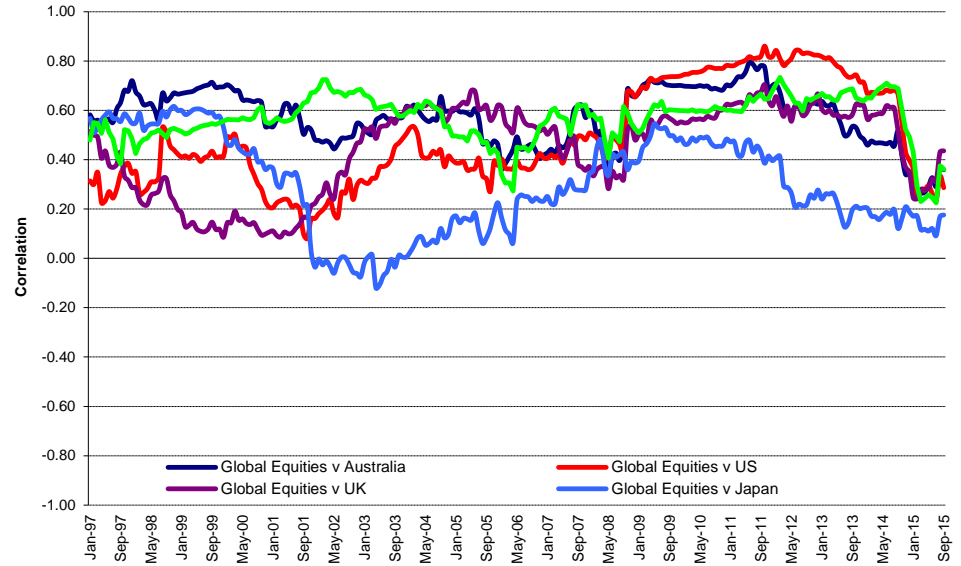
Graph 8: Seasonality Chart - Global



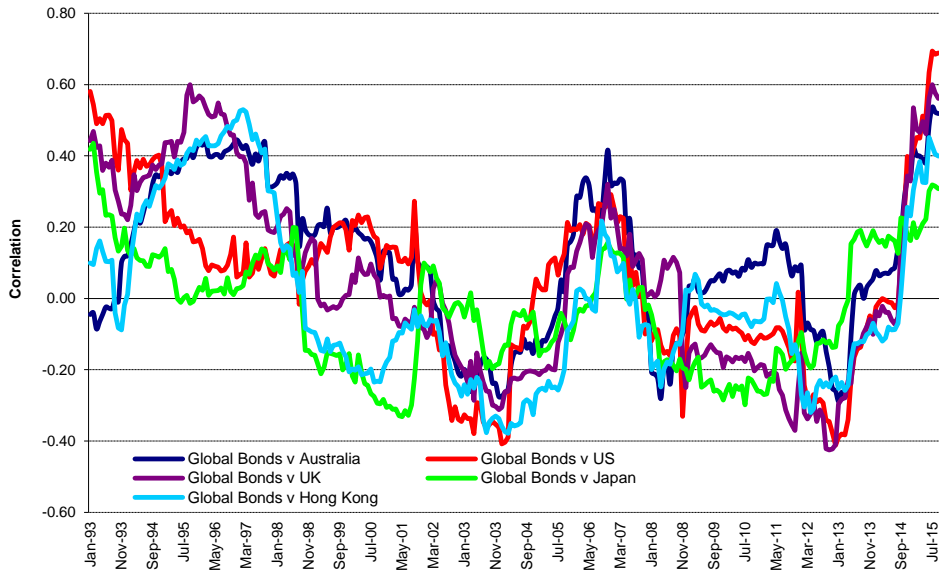
Graph 9: Real Estate, Equities & Bonds: 36 Months Asset Class Correlations - Global



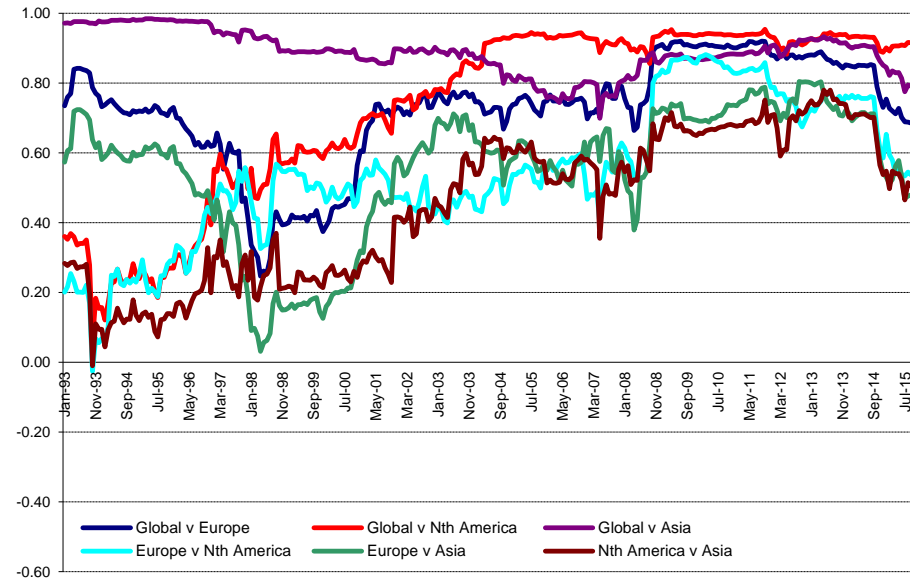
Graph 10: Top 5 Countries vs. Global Equities: 36 Months Correlations - Global



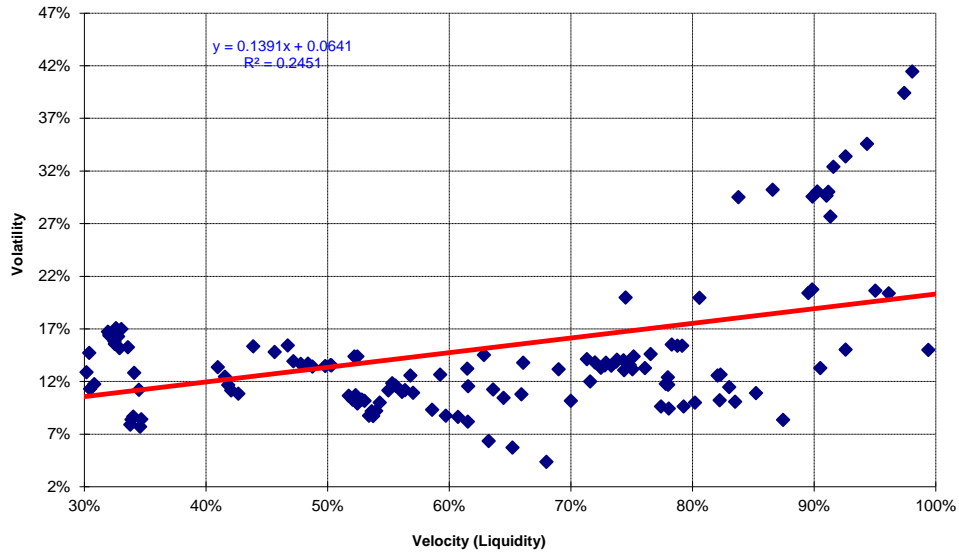
Graph 11: Top 5 Countries vs. Global Bonds: 36 Months Correlations - Global



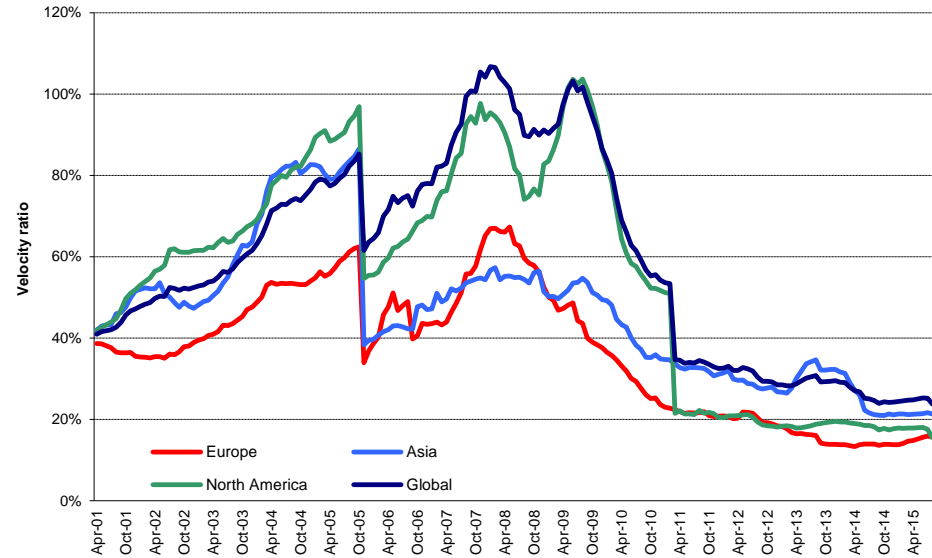
Graph 12: Global & Regional 36 Months Correlations (EUR) - Global



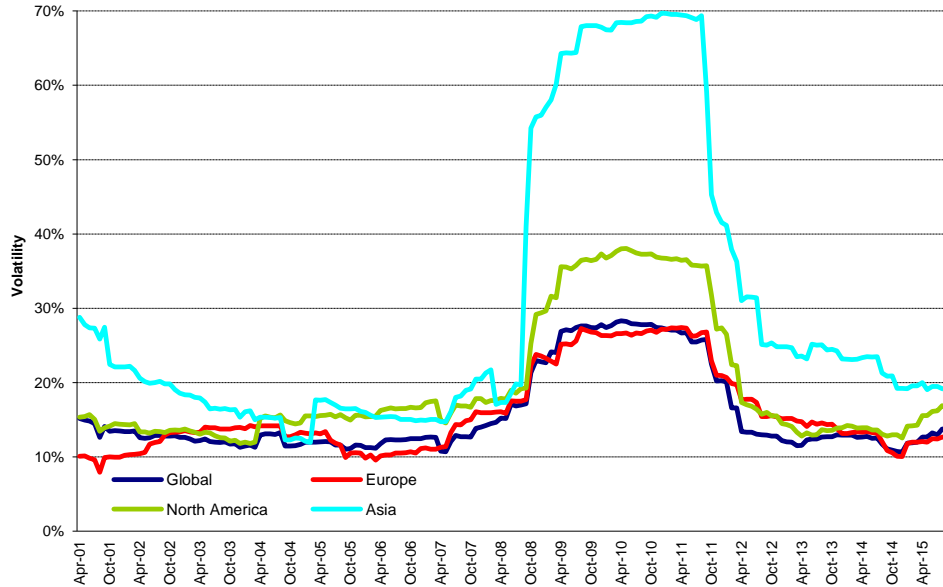
Graph 13: 36 Months Velocity vs. Volatility - Global



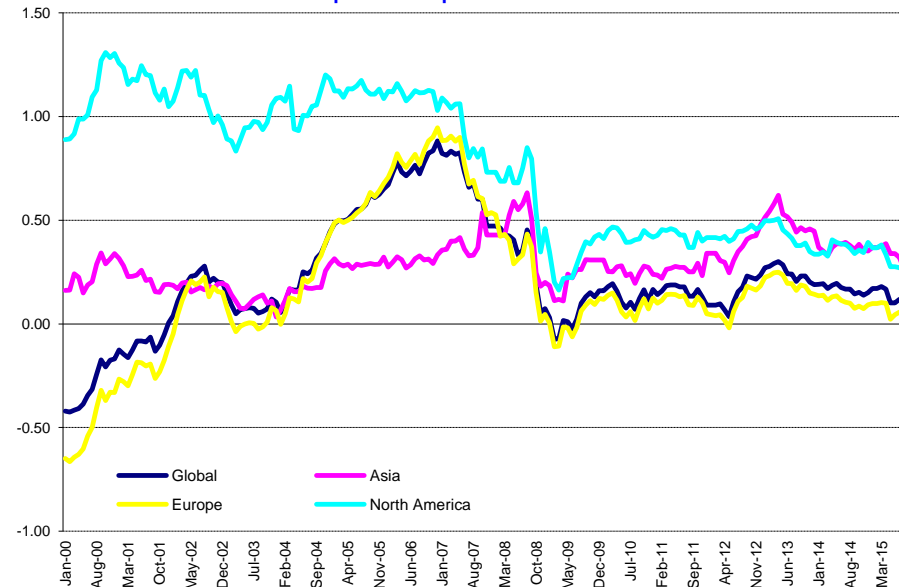
Graph 14: 36 Months Annual Velocity - Global



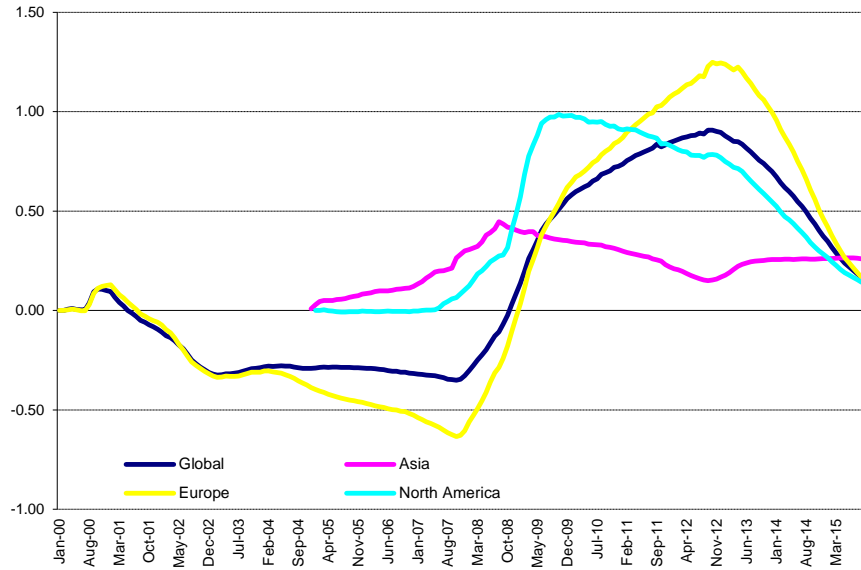
Graph 15: 36 Months Rolling Volatility - Global



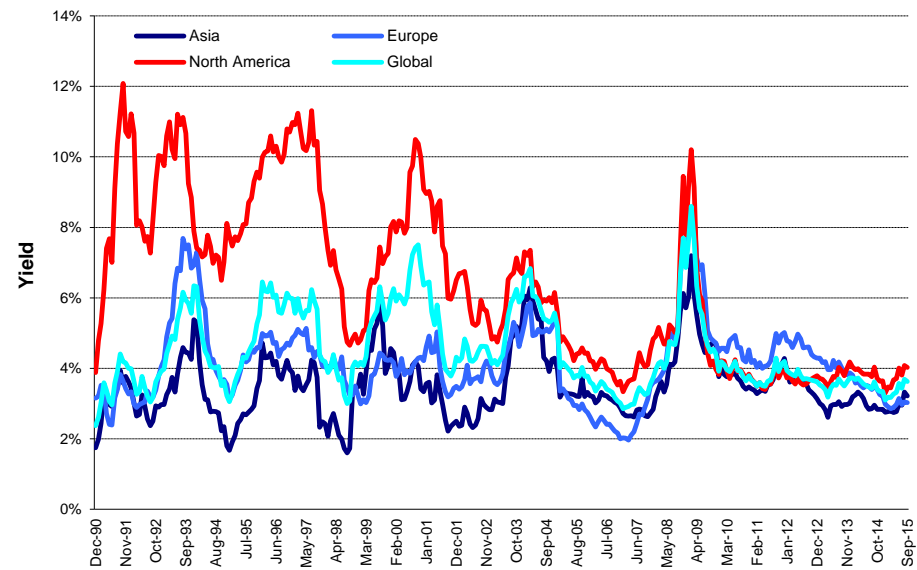
Graph 16: Sharp Ratio - Global



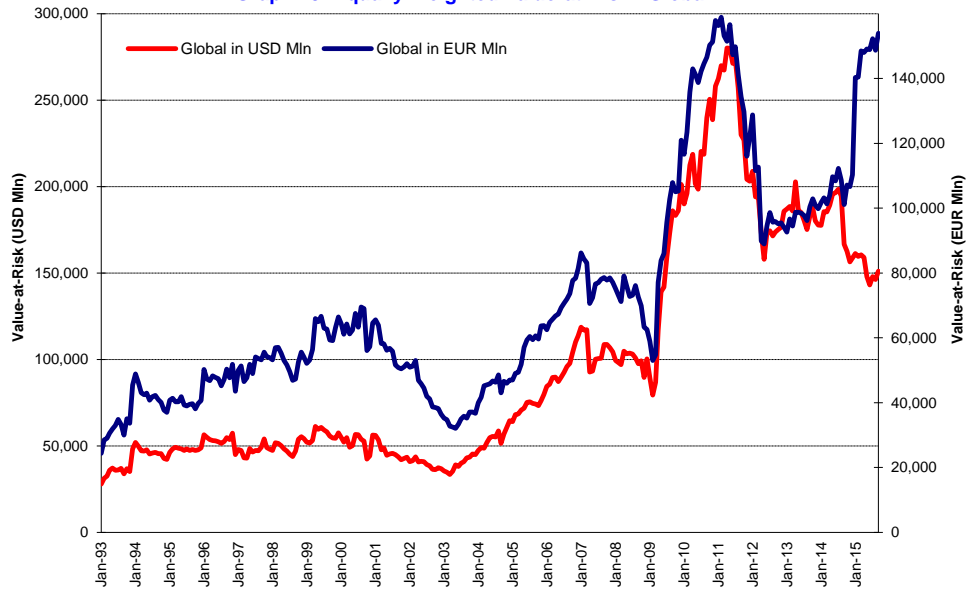
Graph 17: Long Term Beta Coefficient - Global



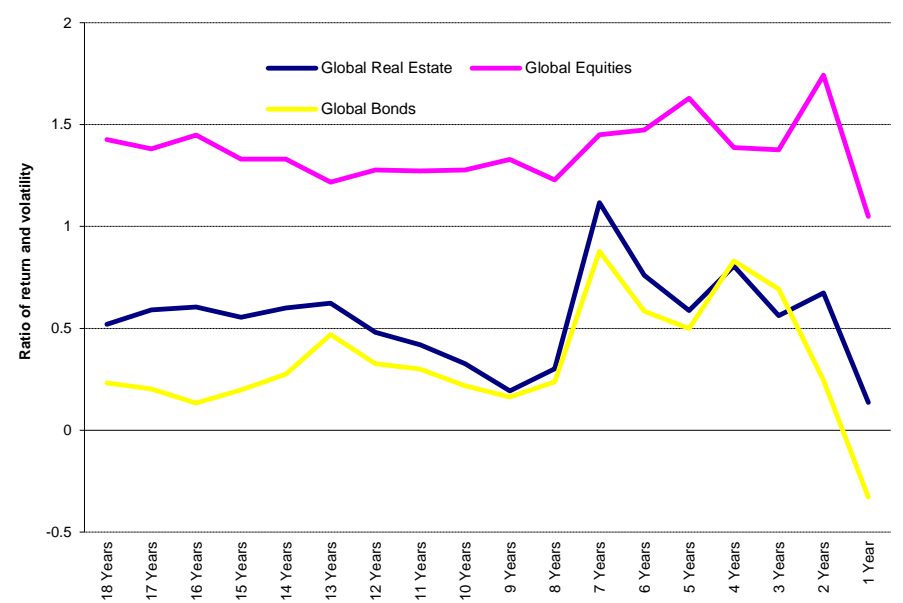
Graph 18: 12 Months Dividend Yields (Local Currency) - Global



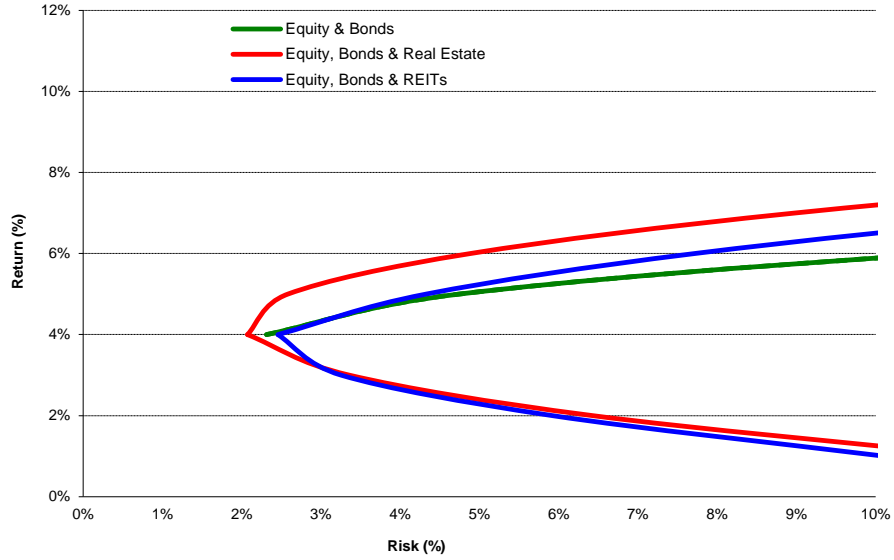
Graph 19: Equally Weighted Value-at-Risk - Global



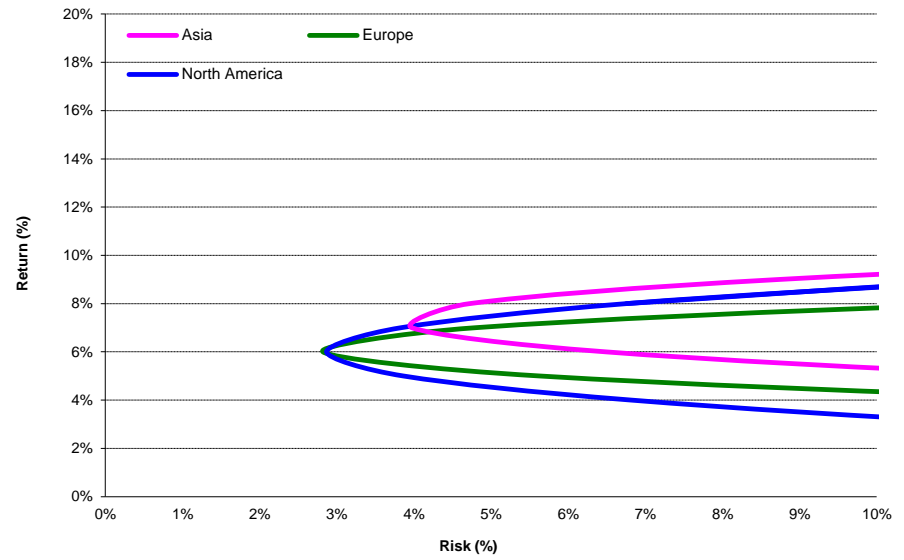
Graph 20: Investment Horizons - Global



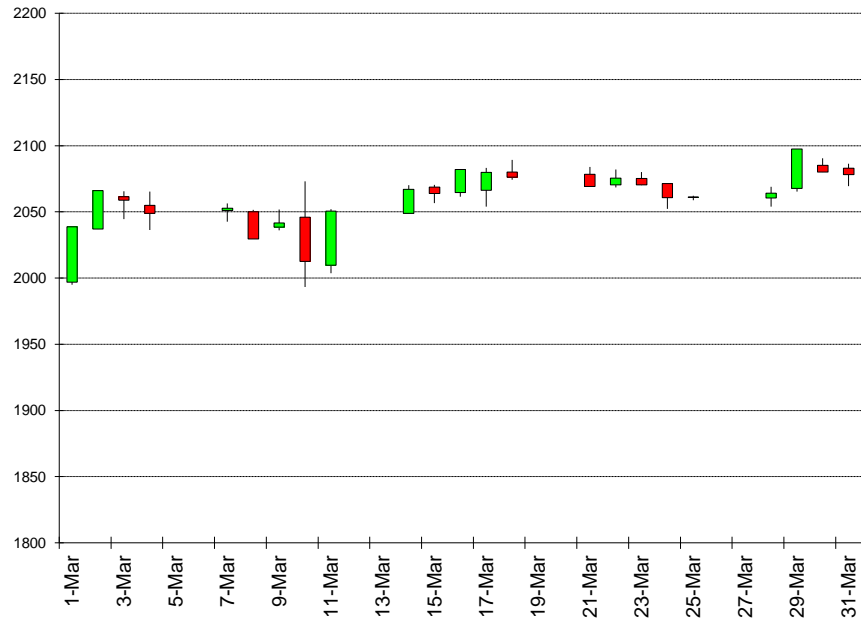
Graph 21: Efficient Frontiers - Global



Graph 22: Efficient Frontiers - Global - Regions



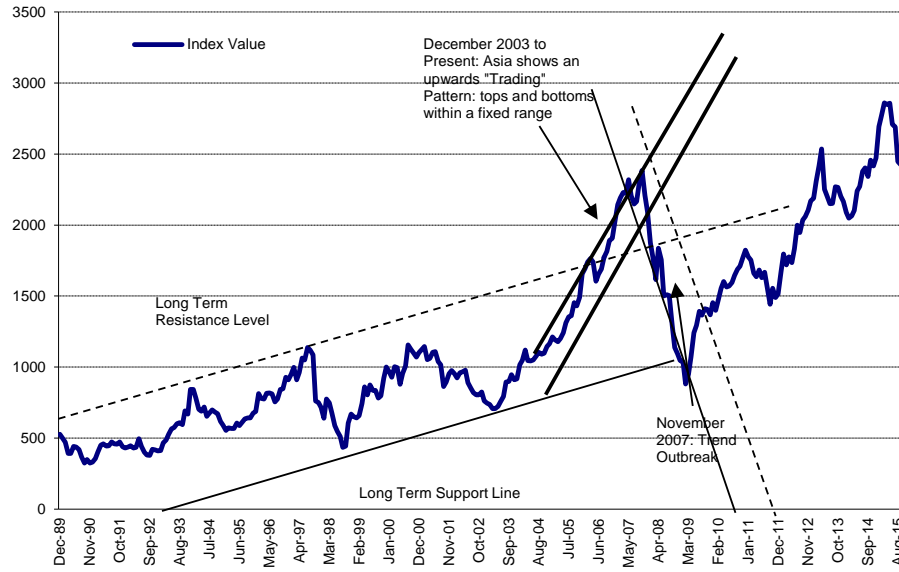
Graph 23: Candlesticks - Global



Section 2

Asia Developed

Graph 24: Long Term Technical Analysis - Asia ***

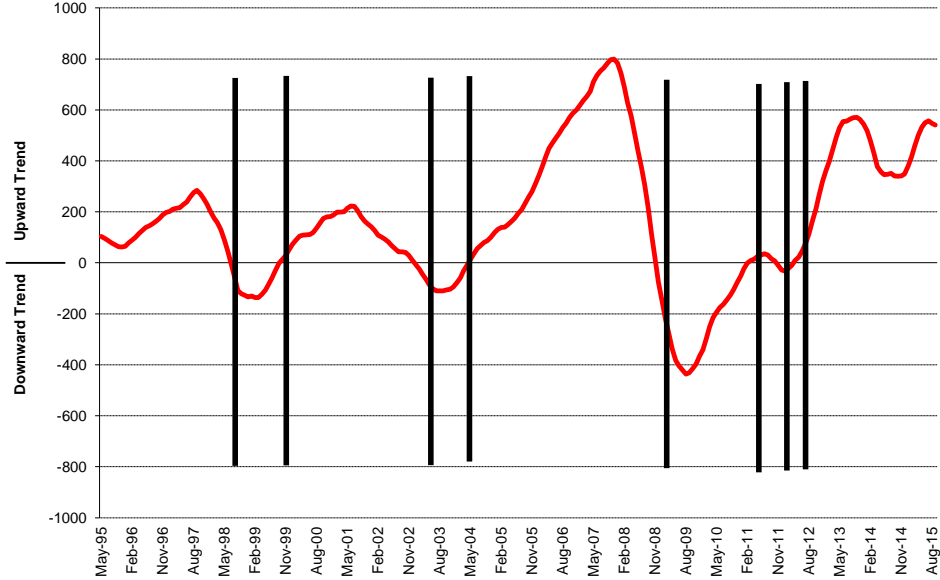


*** A disclaimer applies to this graph. Please refer to page 126.

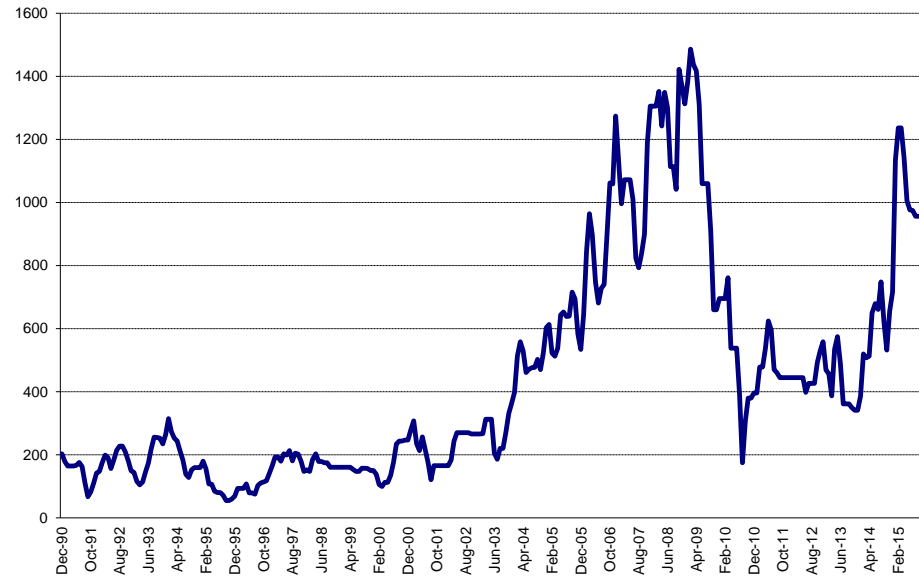
Graph 25: 1Y Retracement Levels - Asia



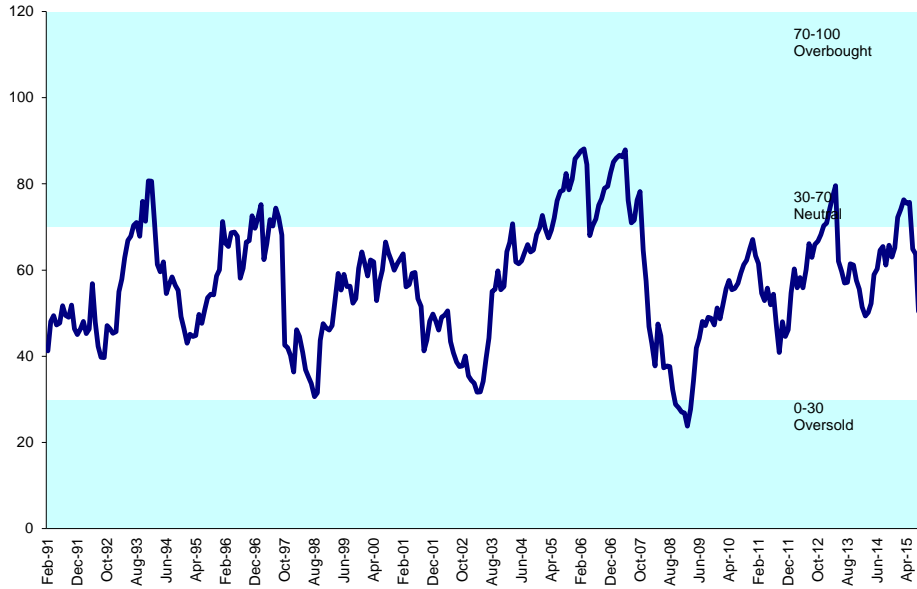
Graph 26: Moving Averages: 5 Year vs 1 Year Oscillator - Asia



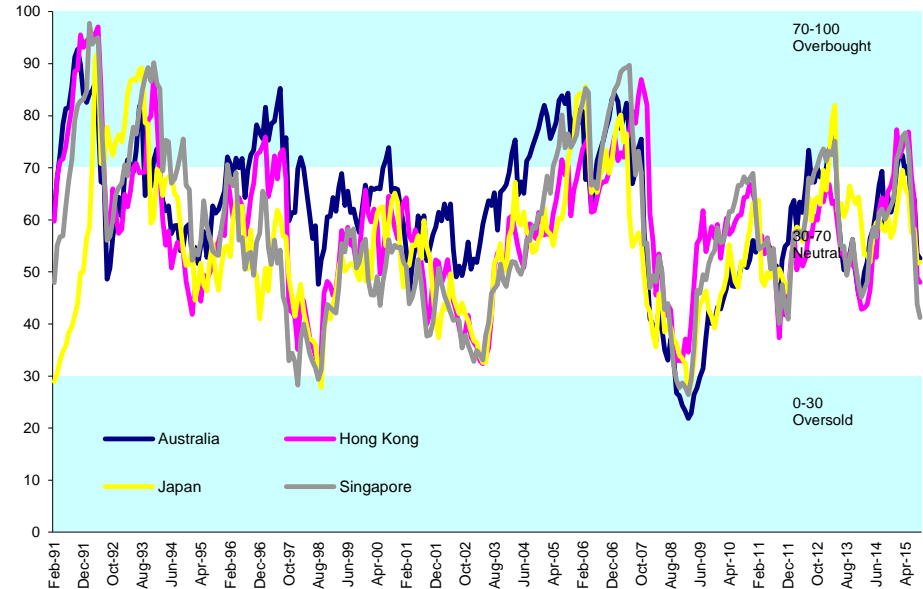
Graph 27: Average True Range (Index Points) - Asia



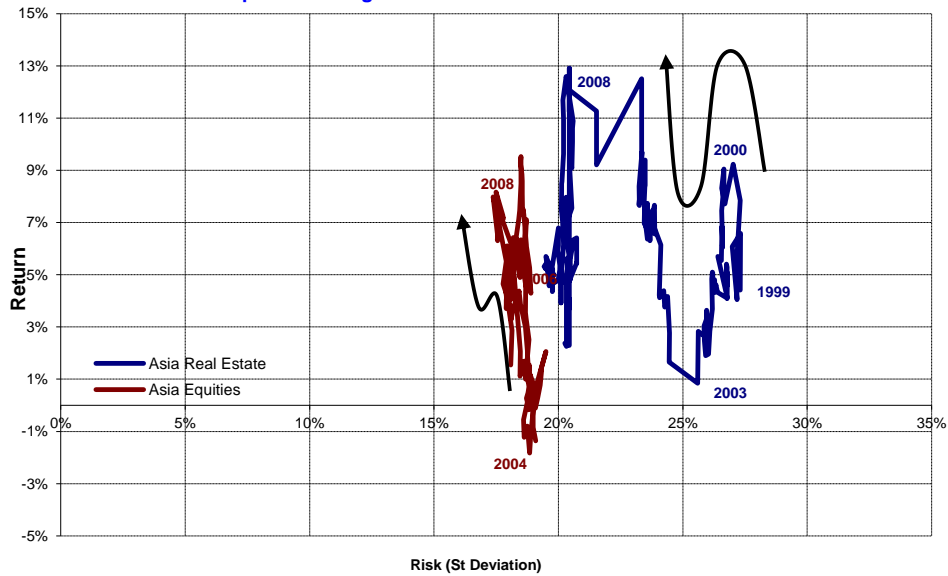
Graph 28: Relative Strength Indicator - Asia



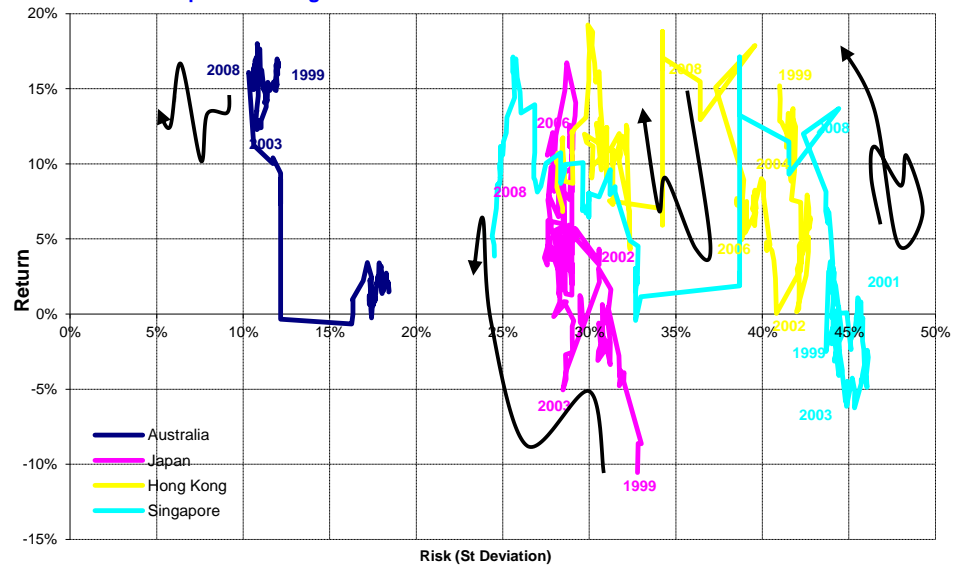
Graph 29: Relative Strength Indicator - Asia Countries



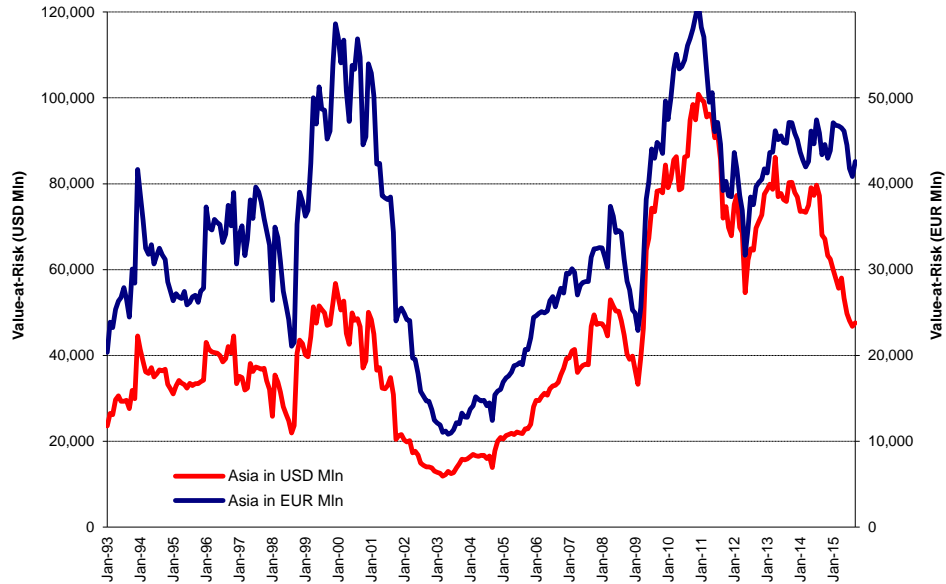
Graph 30: Rolling 10 Years Risk/Return Profile - Asia



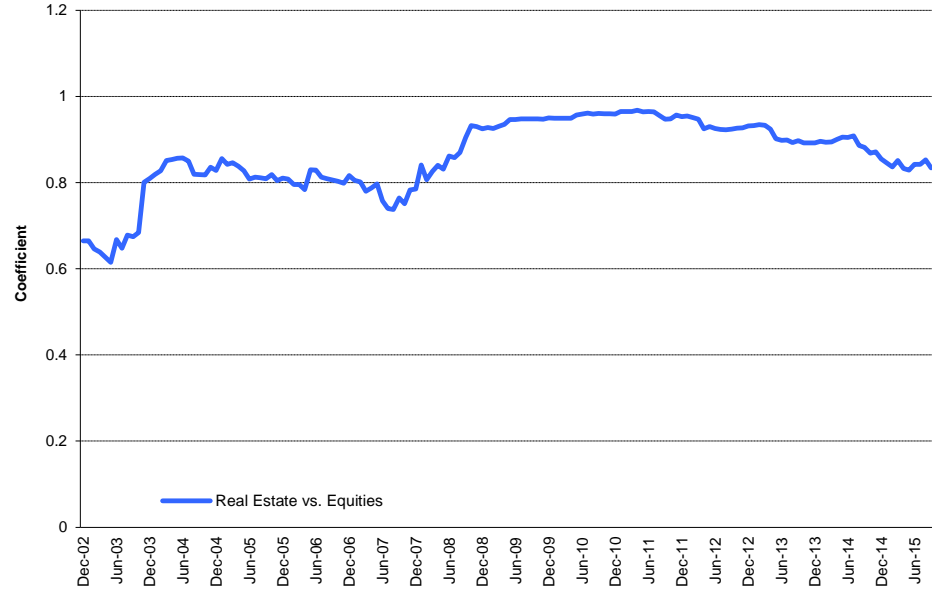
Graph 31: Rolling 10 Years Risk/Return Profile - Asia Countries



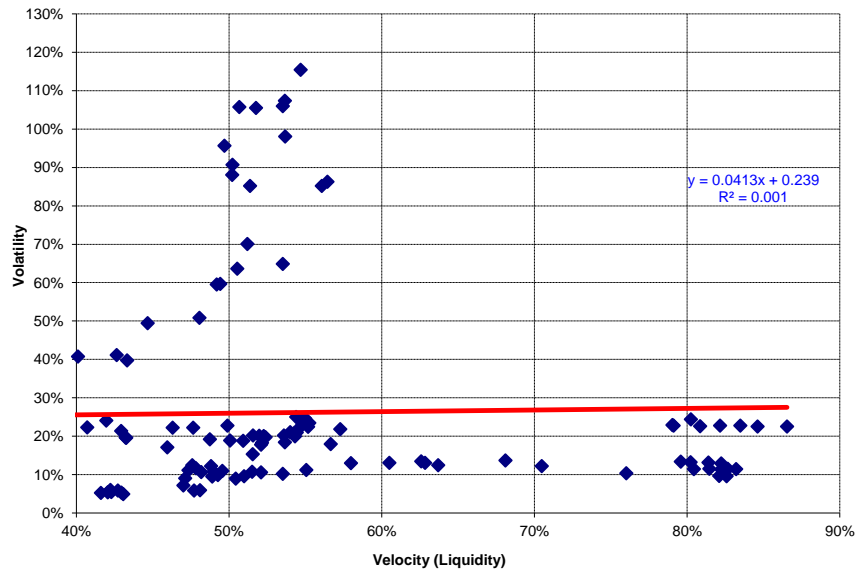
Graph 32: Equally Weighted Value-at-Risk - Asia



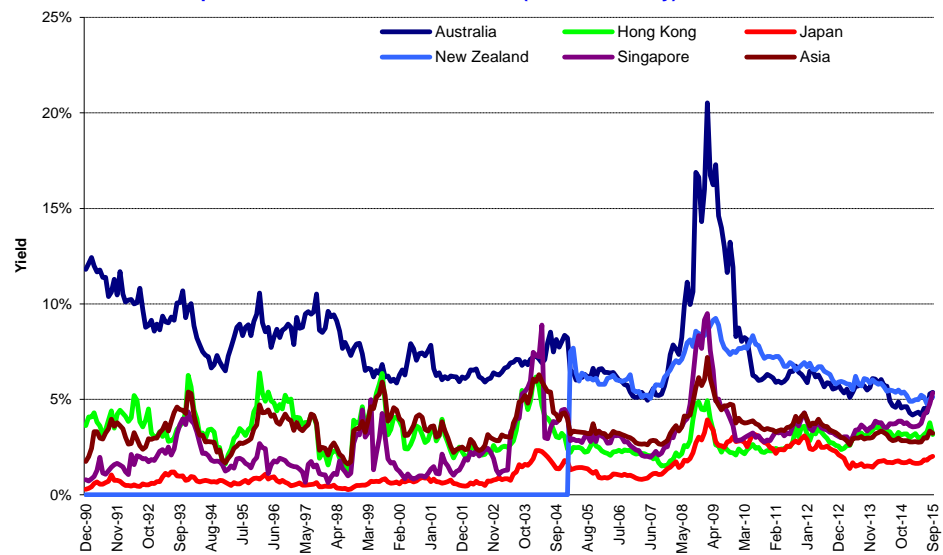
Graph 33: Asset Classes Correlations - Asia



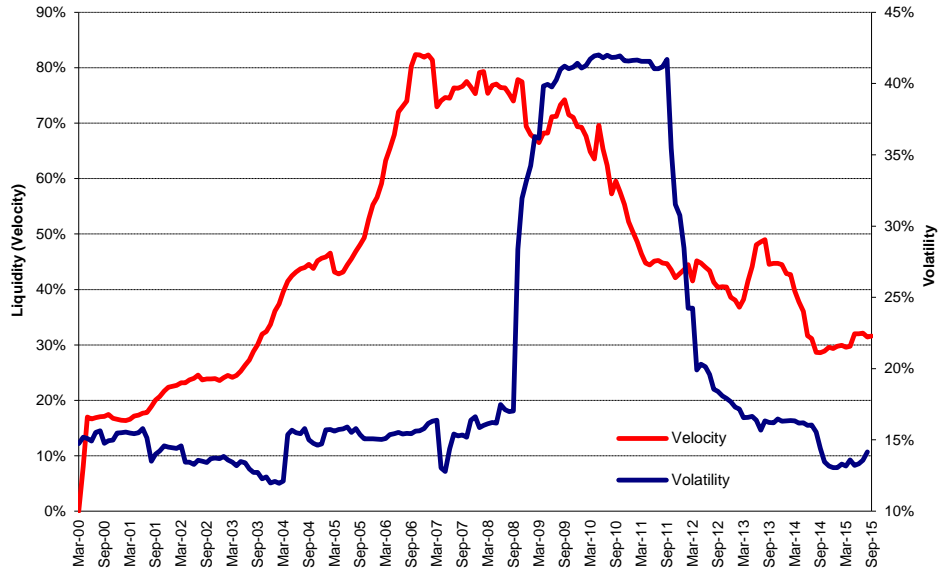
Graph 34: 36 Months Velocity vs. Volatility - Asia



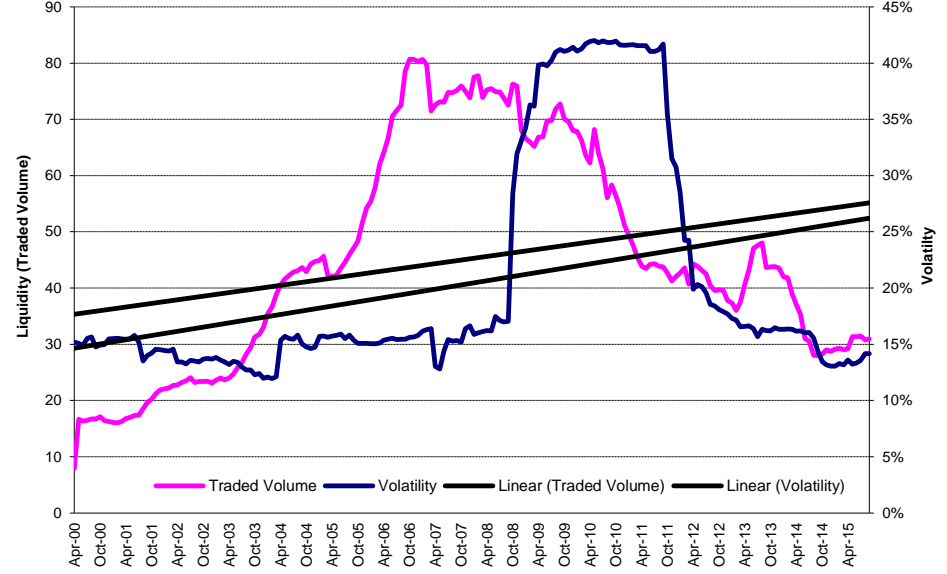
Graph 35: 12 Months Dividend Yields (Local Currency) - Asia



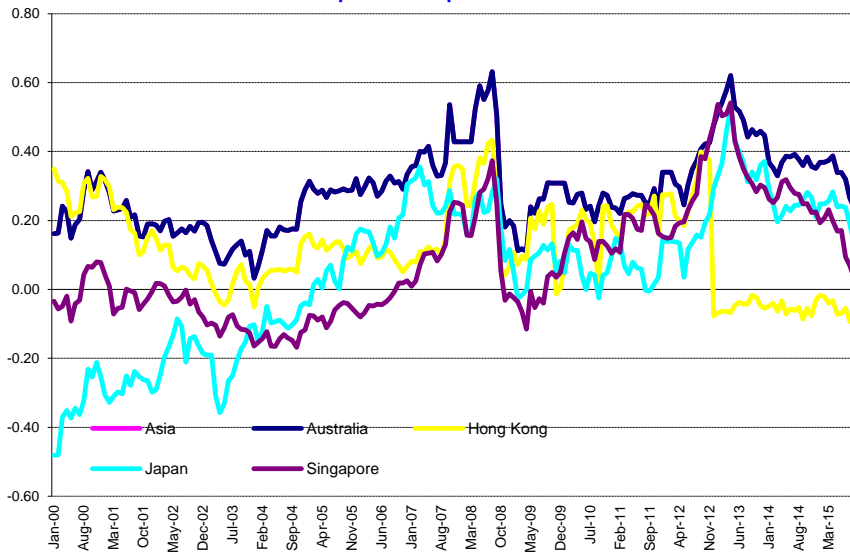
Graph 36: Liquidity (Velocity) vs. Volatility (St. Deviation) - Asia



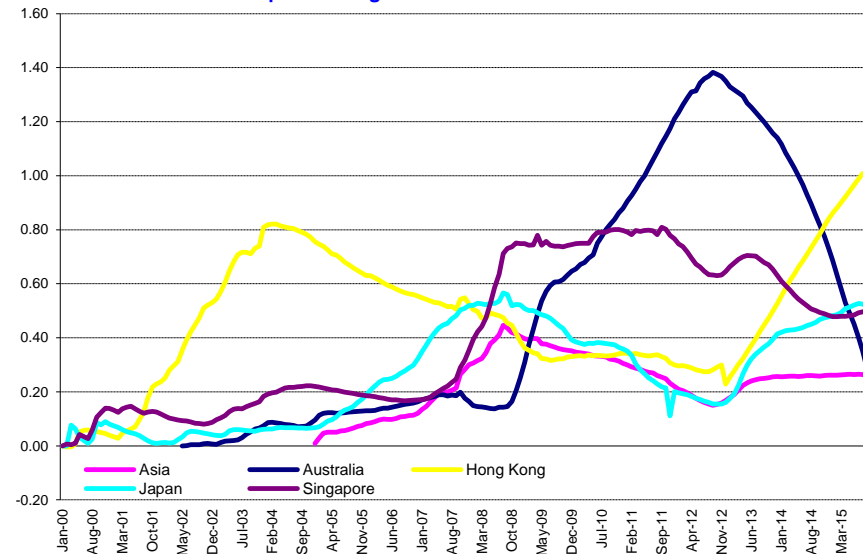
Graph 37: Liquidity (Traded Volume) vs. Volatility (St. Deviation) - Asia



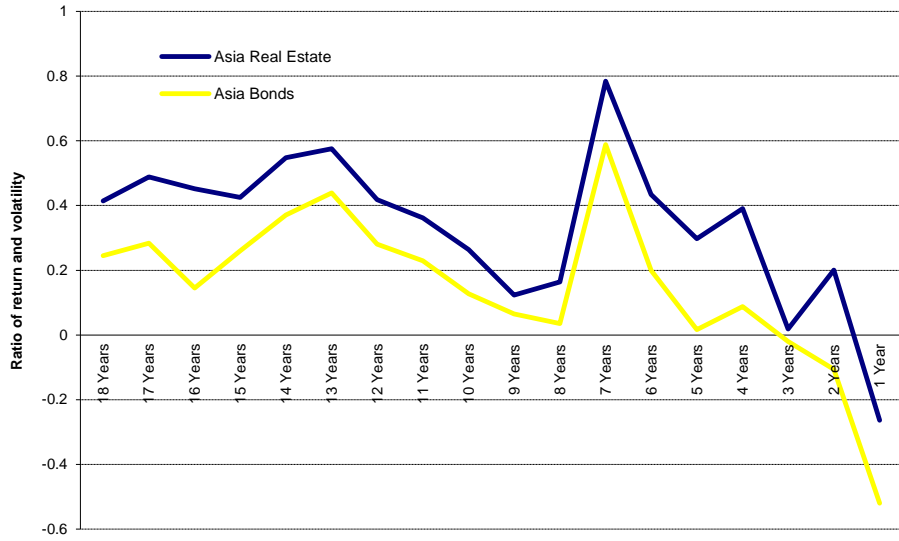
Graph 38: Sharp Ratio - Asia



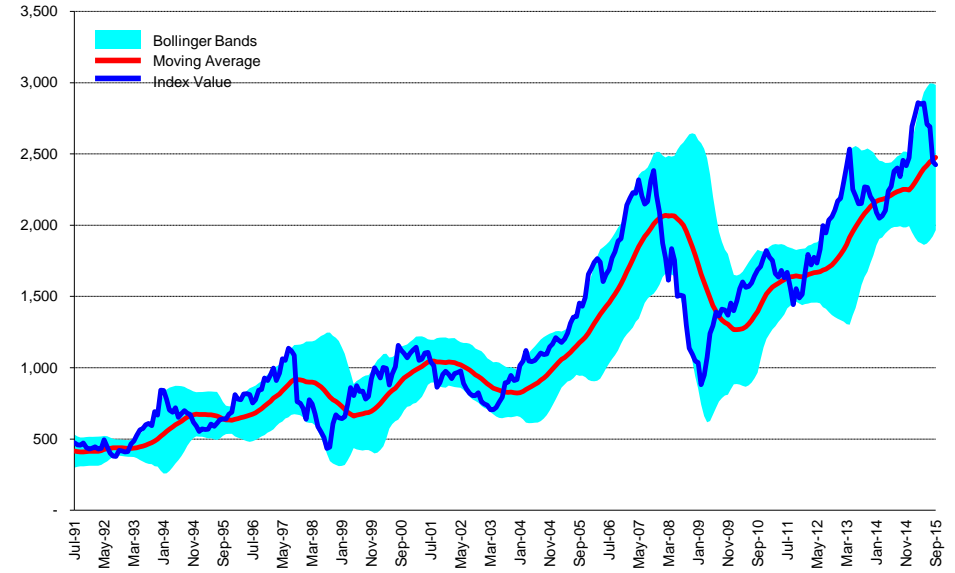
Graph 39: Long Term Beta Coefficient - Asia



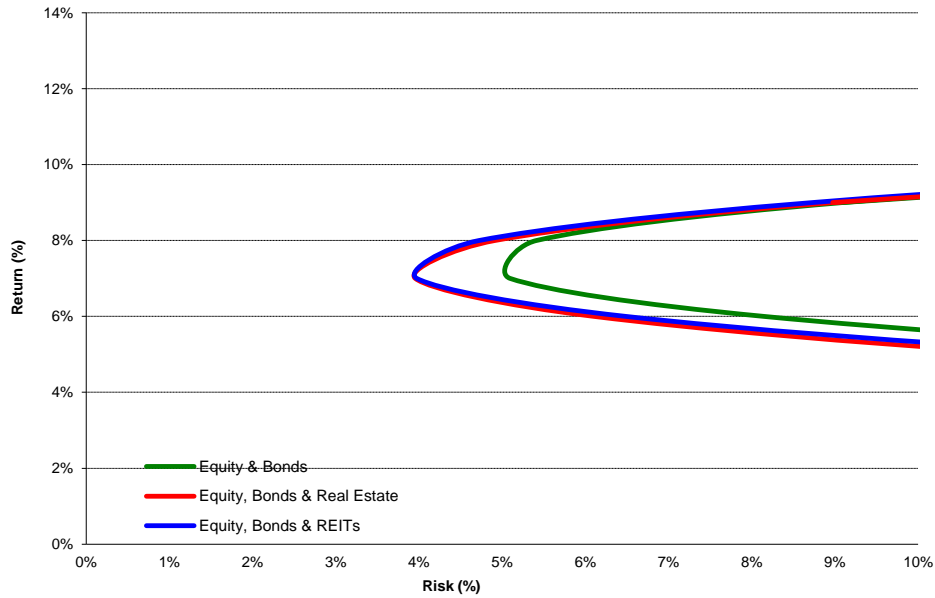
Graph 40: Investment Horizons - Asia



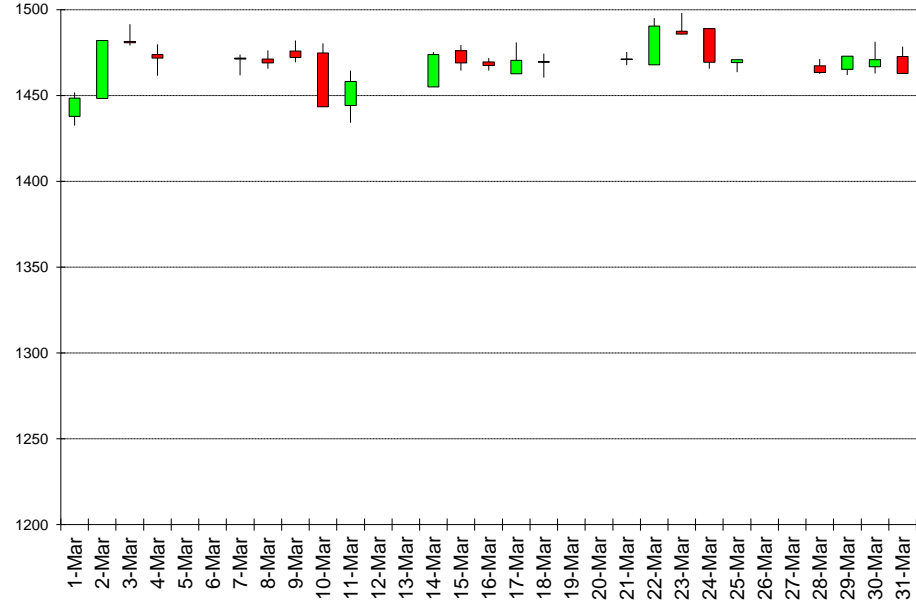
Graph 41: 20 Month Bollinger Bands - Asia



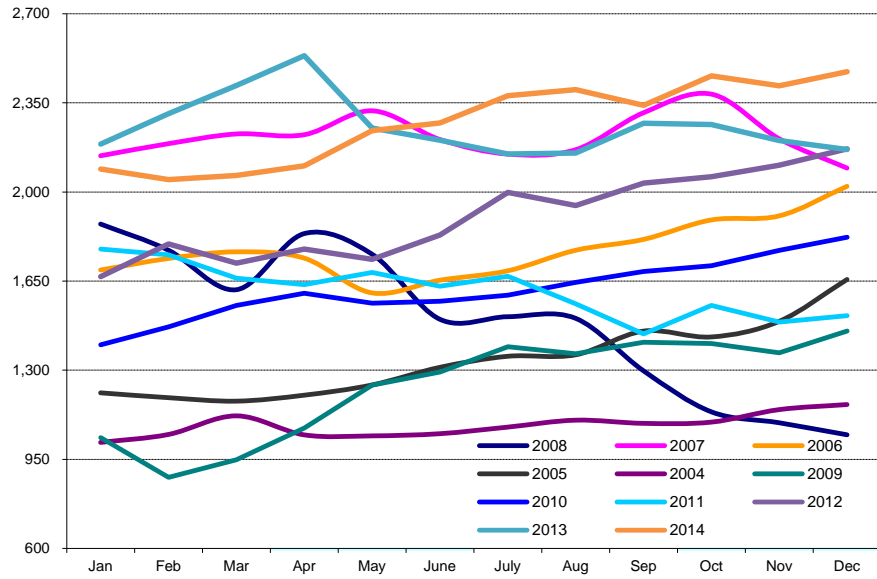
Graph 42: Efficient Frontiers - Asia



Graph 43: Candlesticks - Asia



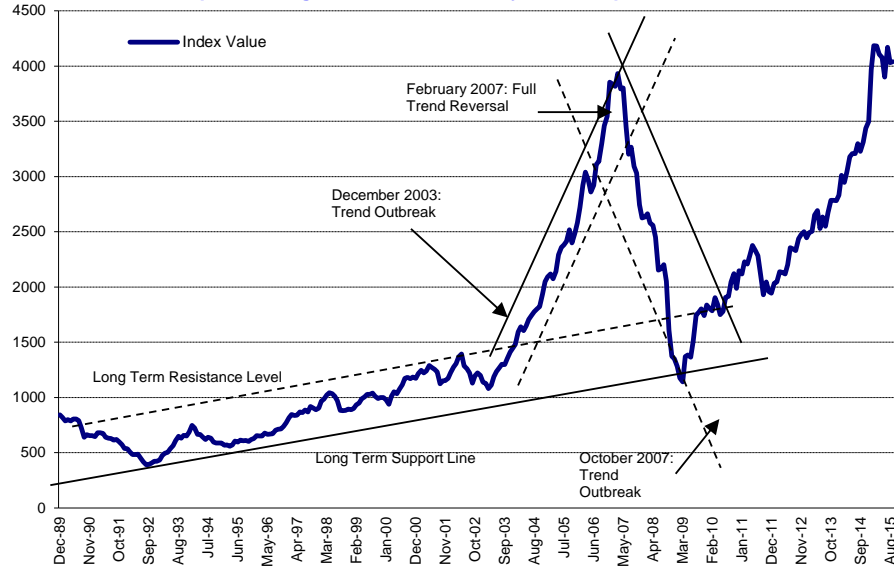
Graph 44: Seasonality Chart - Asia



Section 3

Europe Developed

Graph 45: Long Term Technical Analysis - Europe ***

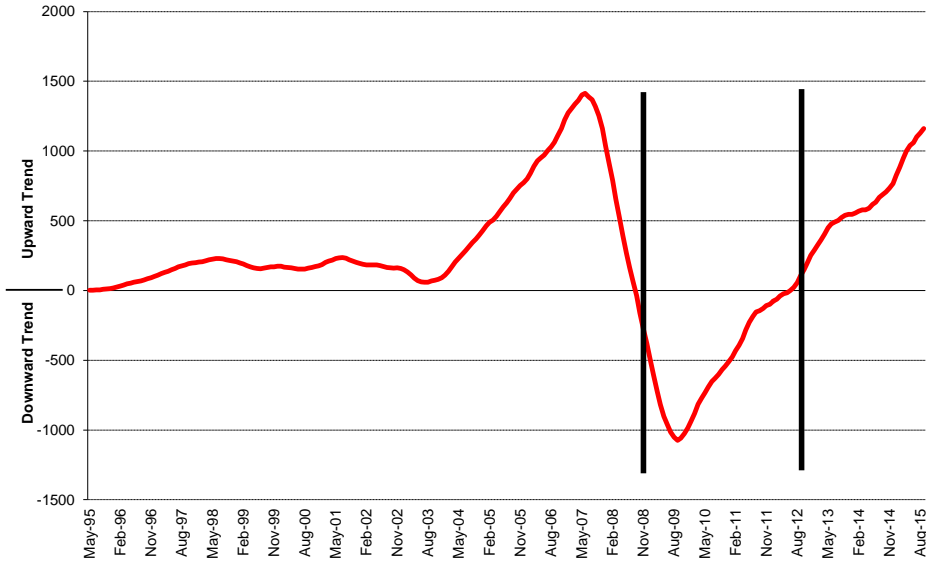


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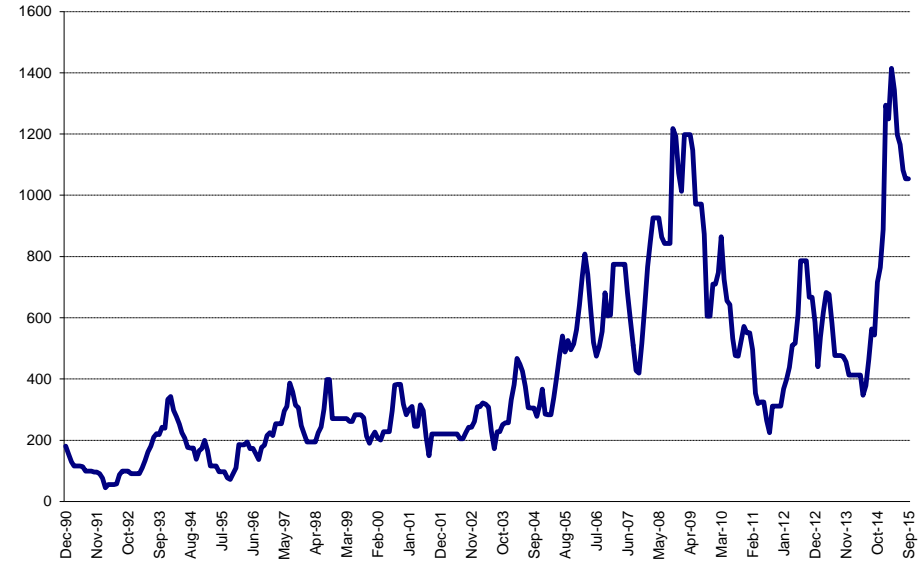
Graph 46: 1Y Retracement Levels - Europe



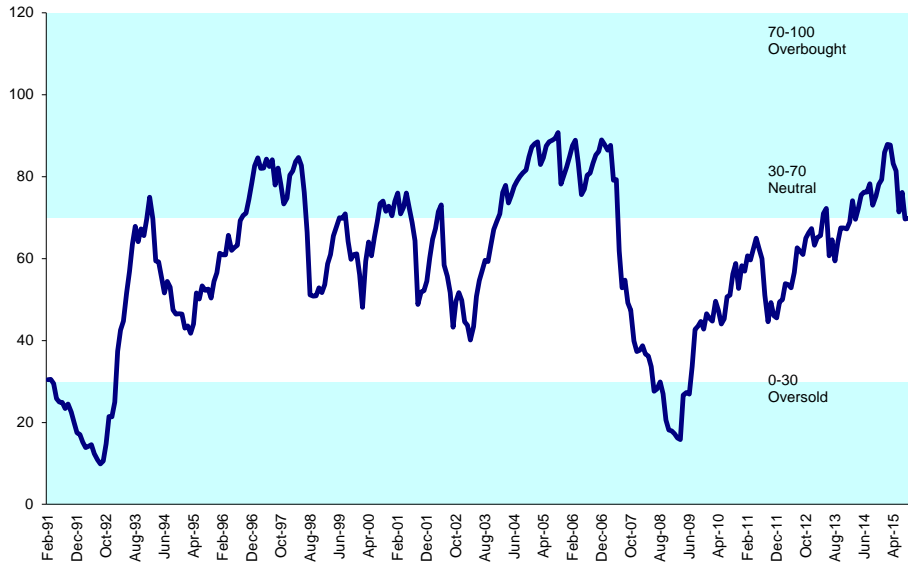
Graph 47: Moving Averages: 5 Year vs 1 Year Oscillator - Europe



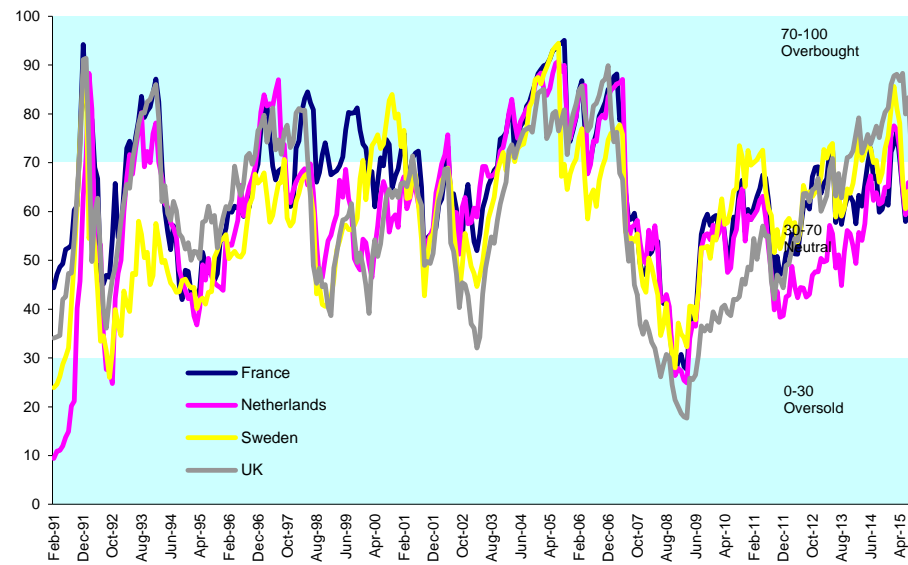
Graph 48: Average True Range (Index Points) - Europe



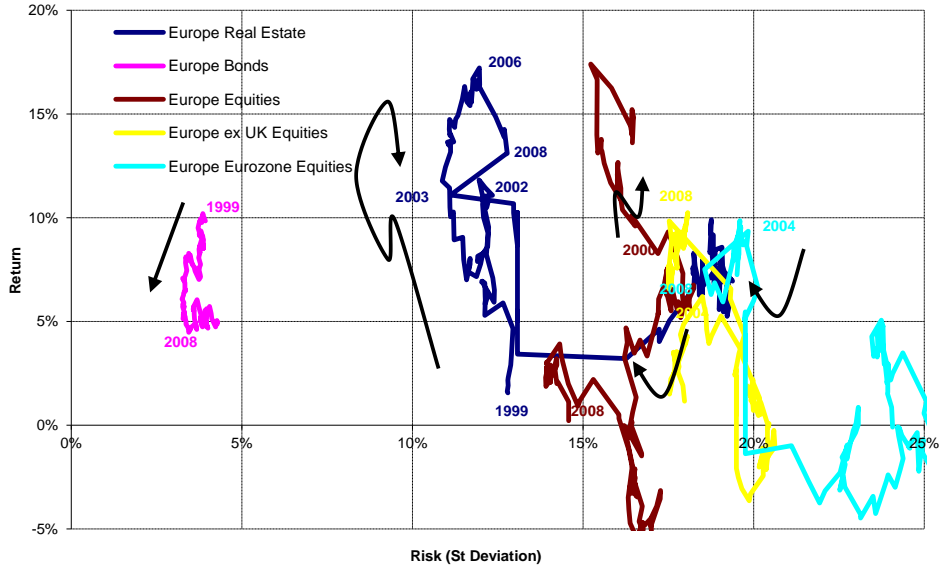
Graph 49: Relative Strength Indicator - Europe



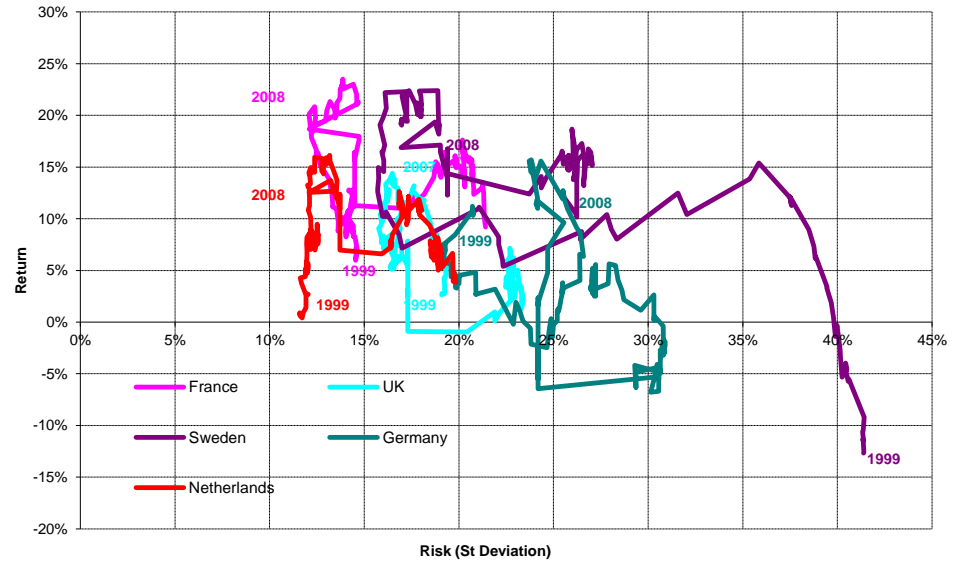
Graph 50: Relative Strength Indicator - Europe Countries



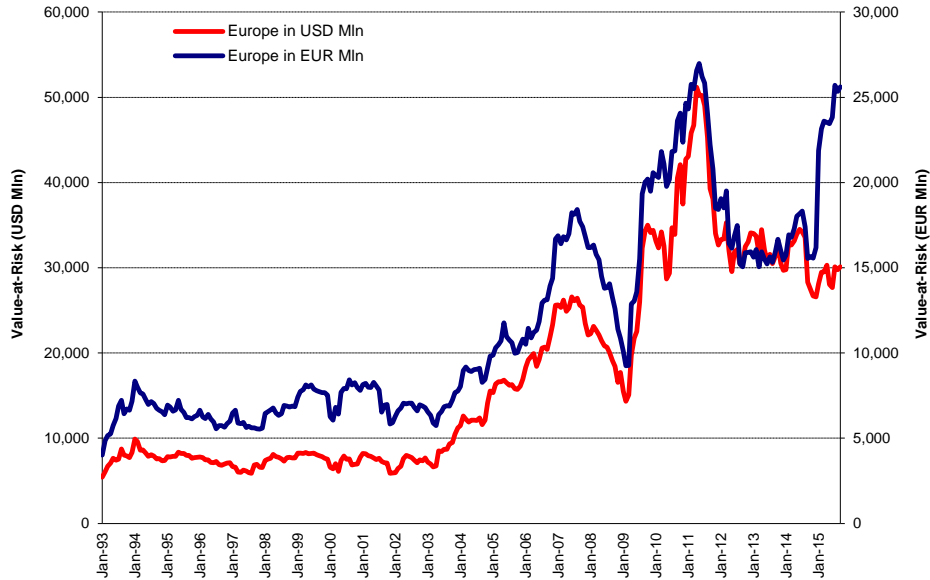
Graph 51: Rolling 10 Years Risk/Return Profile - Europe



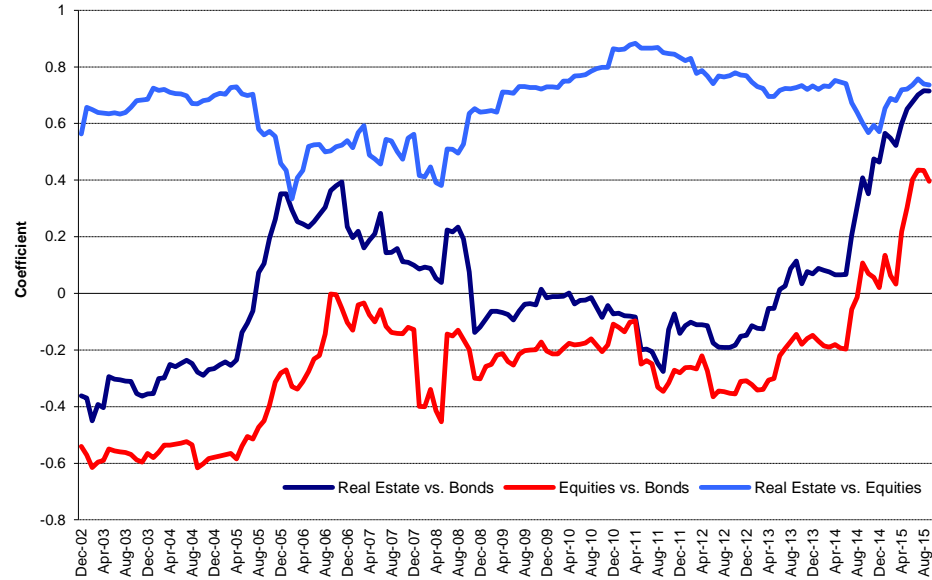
Graph 52: Rolling 10 Years Risk/Return Profile - Europe Countries



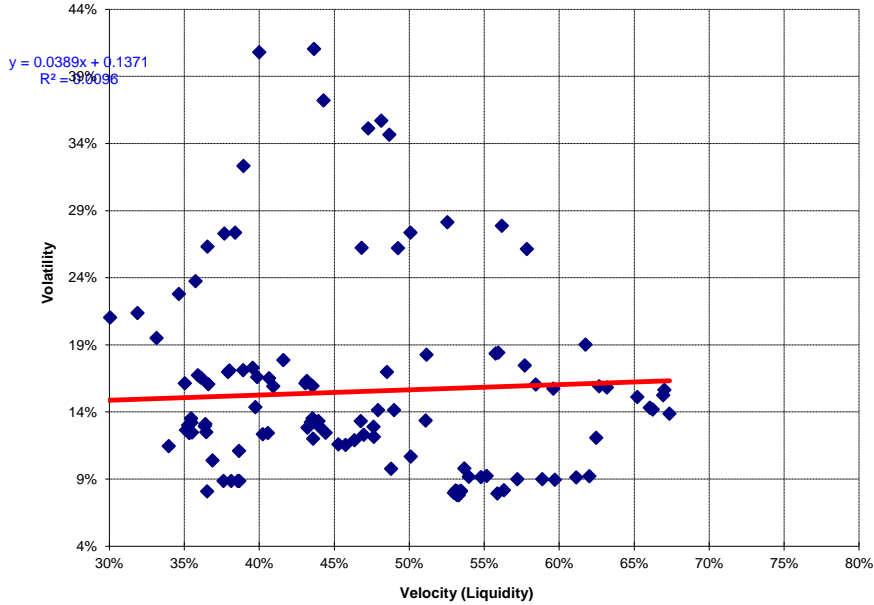
Graph 53: Equally Weighted Value-at-Risk - Europe



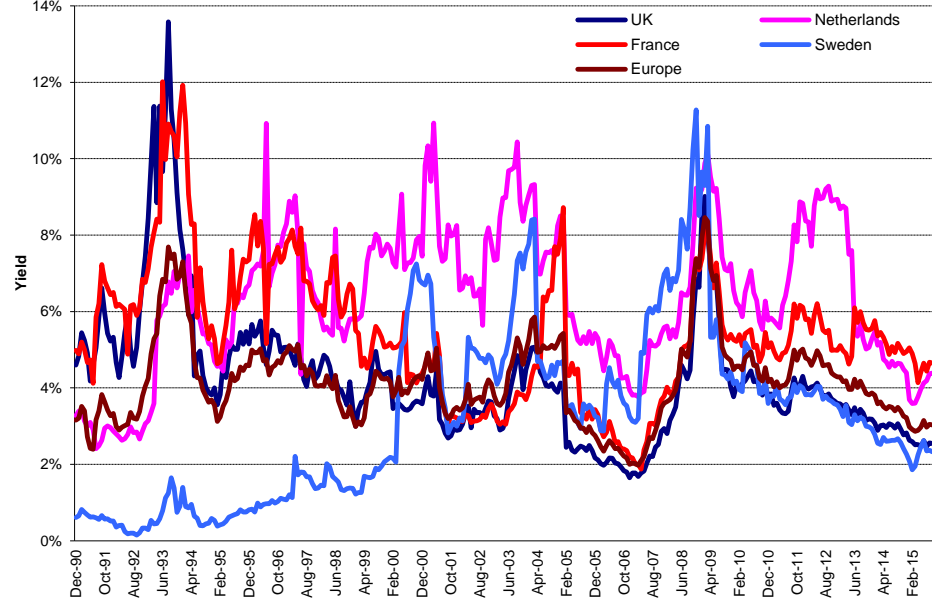
Graph 54: Asset Classes Correlations - Europe



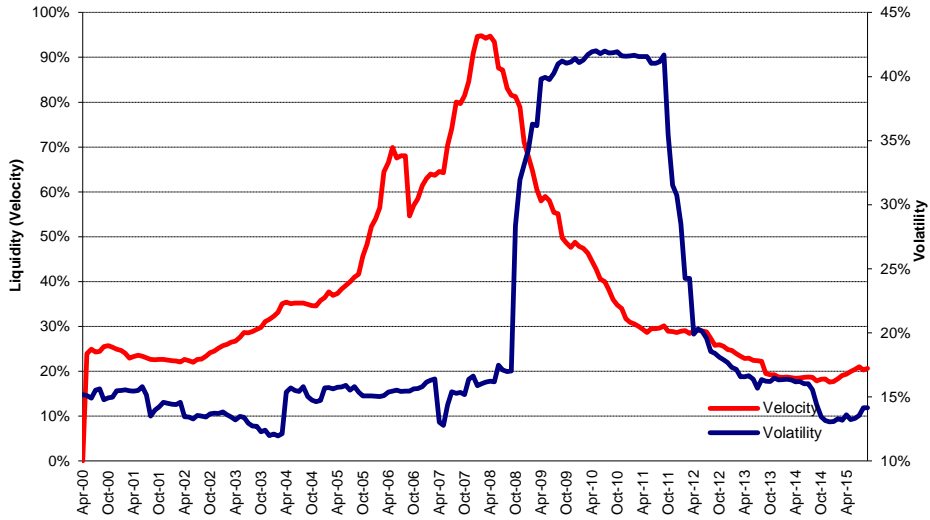
Graph 55: 36 Months Velocity vs. Volatility - Europe



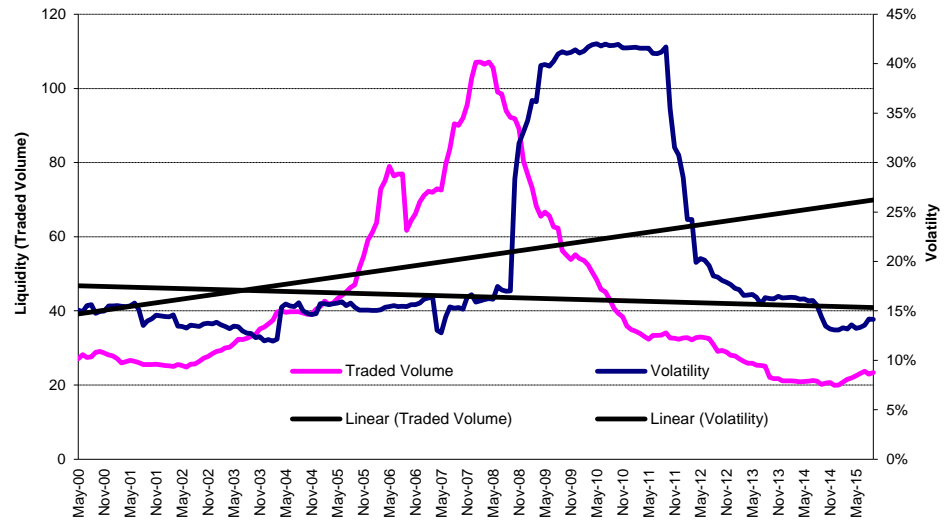
Graph 56: 12 Months Dividend Yields (Local Currency) - Europe



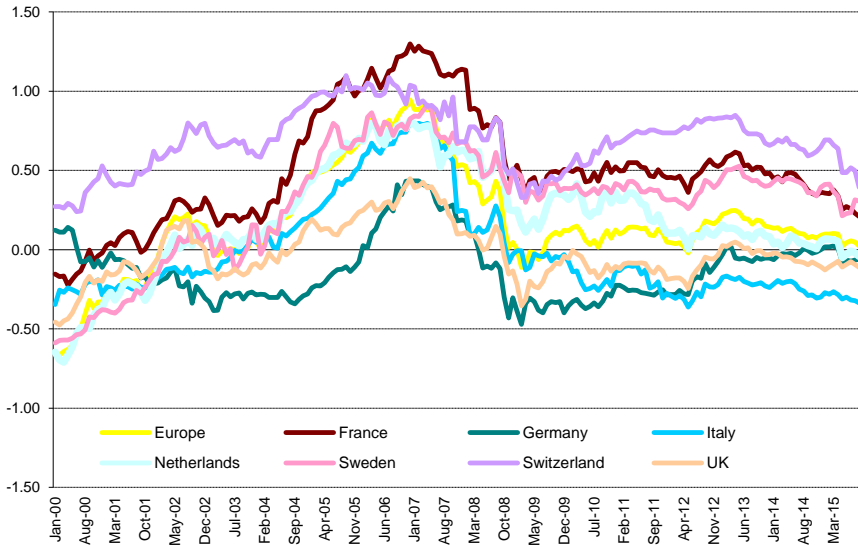
Graph 57: Liquidity (Velocity) vs. Volatility (St. Deviation) - Europe



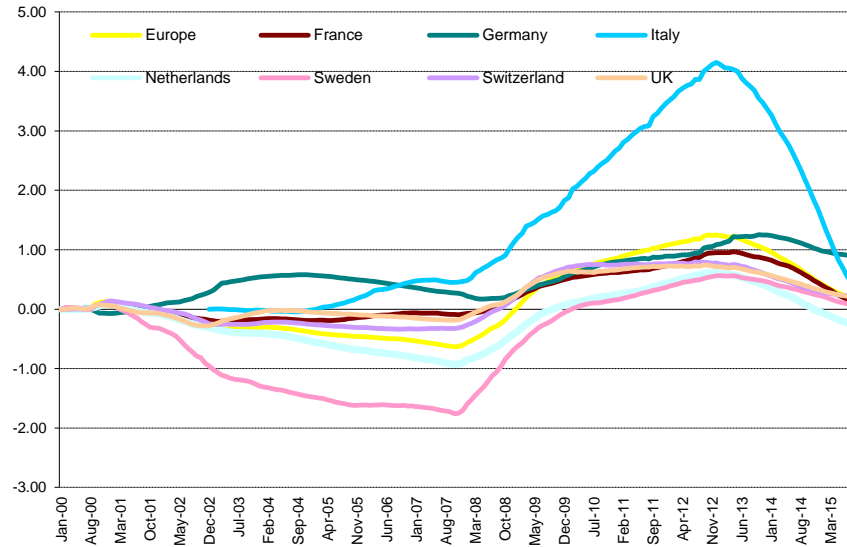
Graph 58: Liquidity (Traded Volume) vs. Volatility (St. Deviation) - Europe



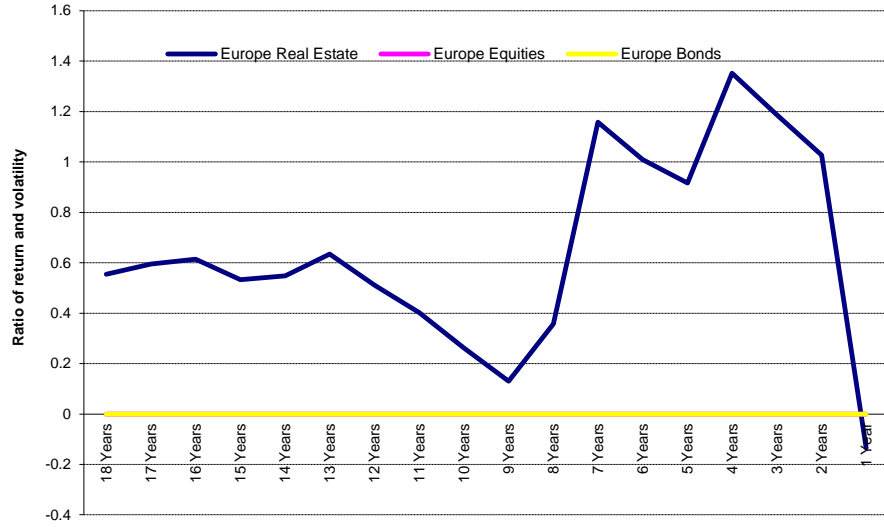
Graph 59: Sharp Ratio - Europe



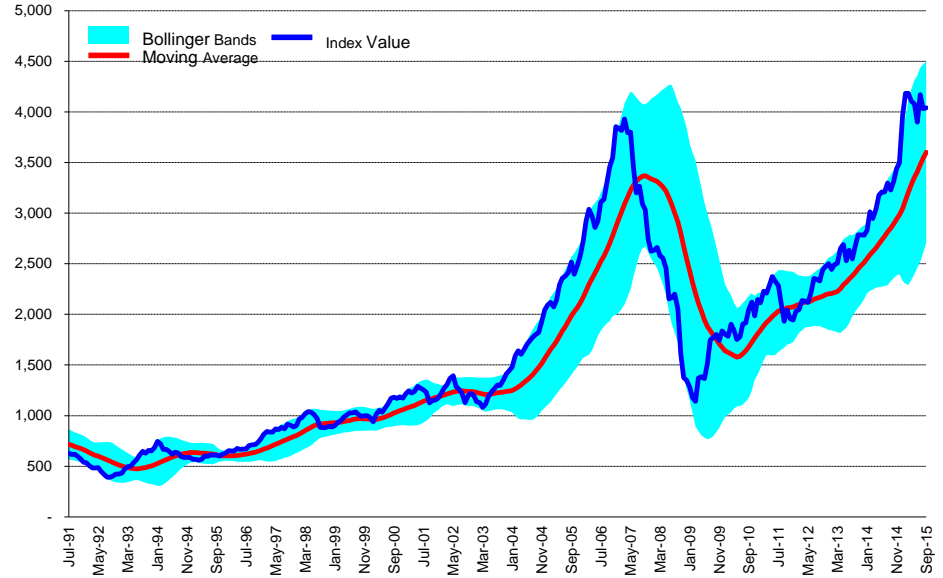
Graph 60: Long Term Beta Coefficient - Europe



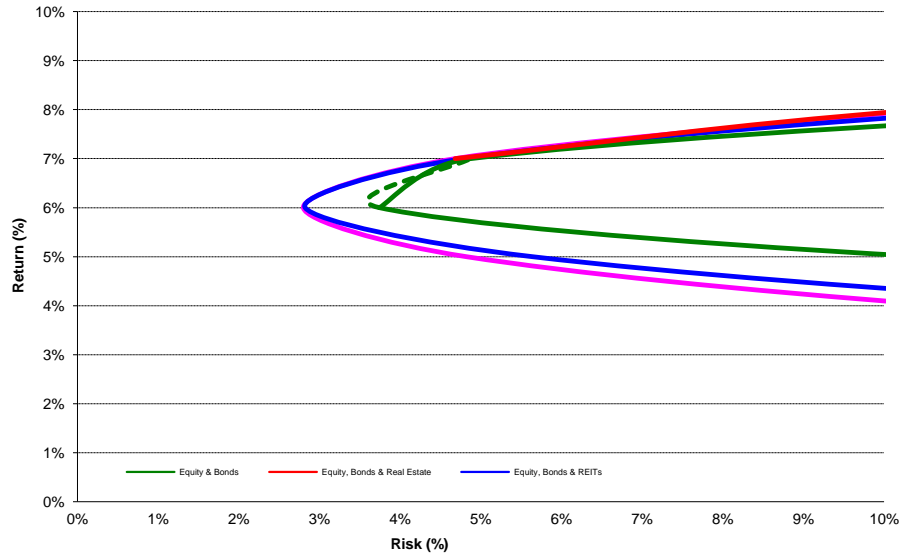
Graph 61: Investment Horizons - Europe



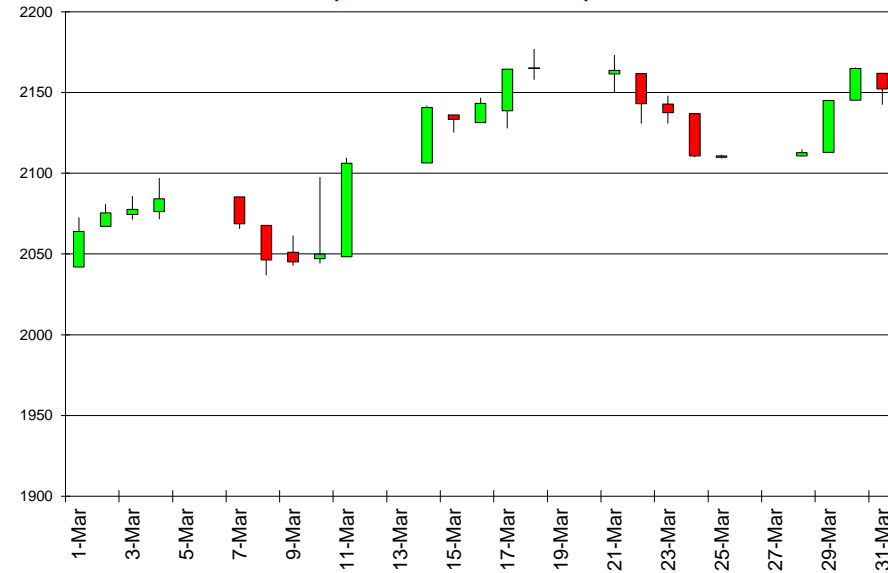
Graph 62: 20 Month Bollinger Bands - Europe



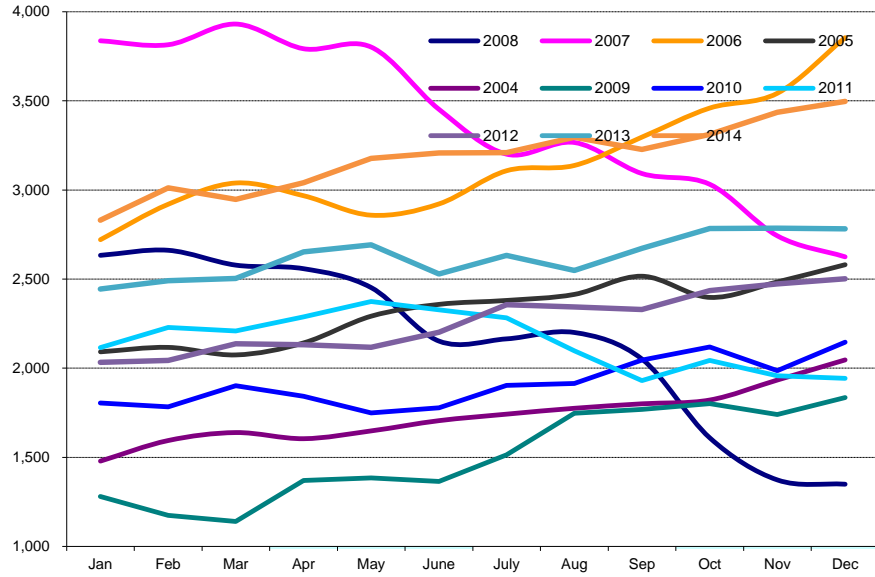
Graph 63: Efficient Frontiers - Europe



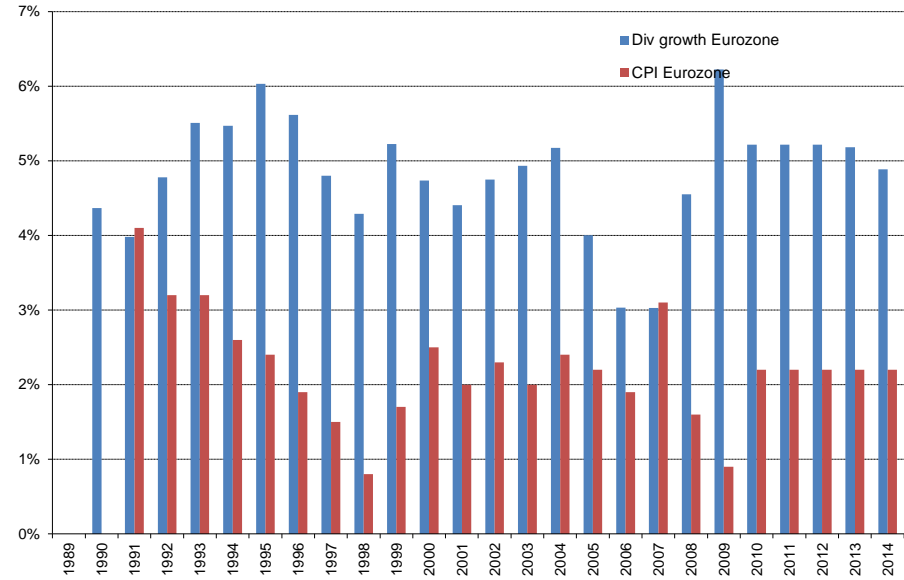
Graph 64: Candlesticks - Europe



Graph 65: Seasonality Chart - Europe



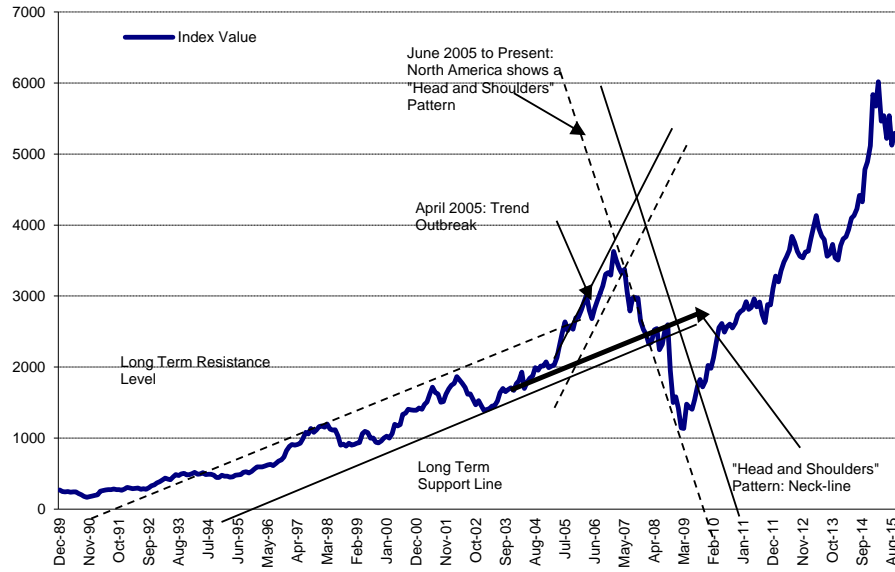
Graph 66: Dividend Growth vs. Inflation - Eurozone



Section 4

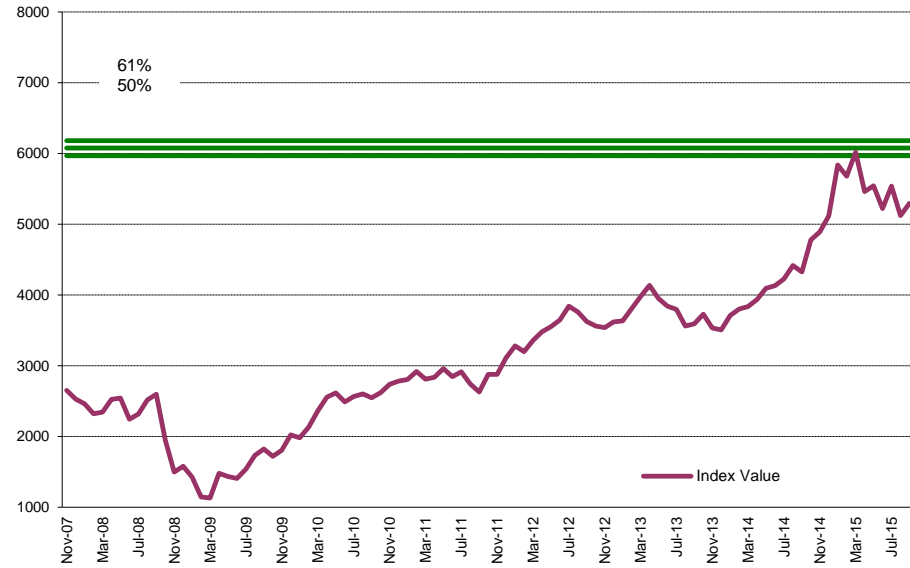
North America Developed

Graph 67: Long Term Technical Analysis - North America ***

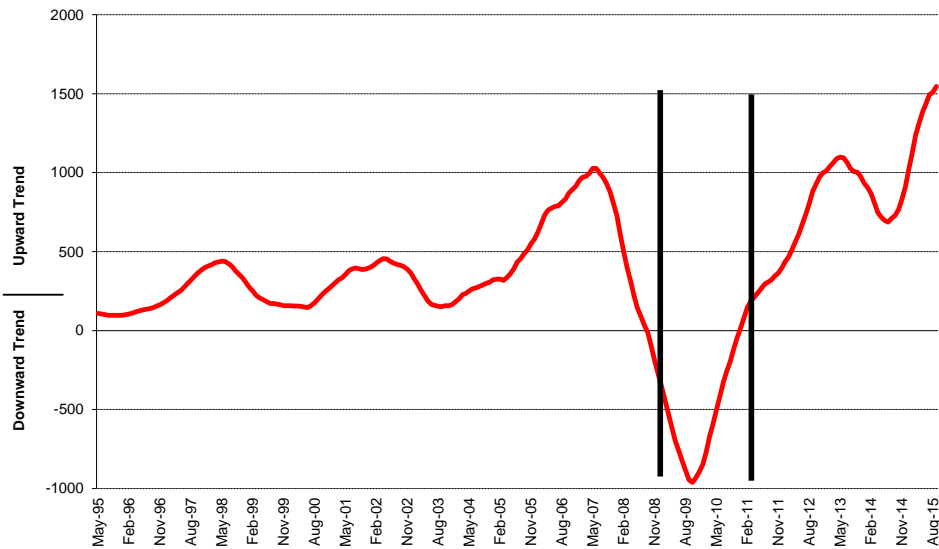


*** A disclaimer applies to this graph. Please refer to page 126.

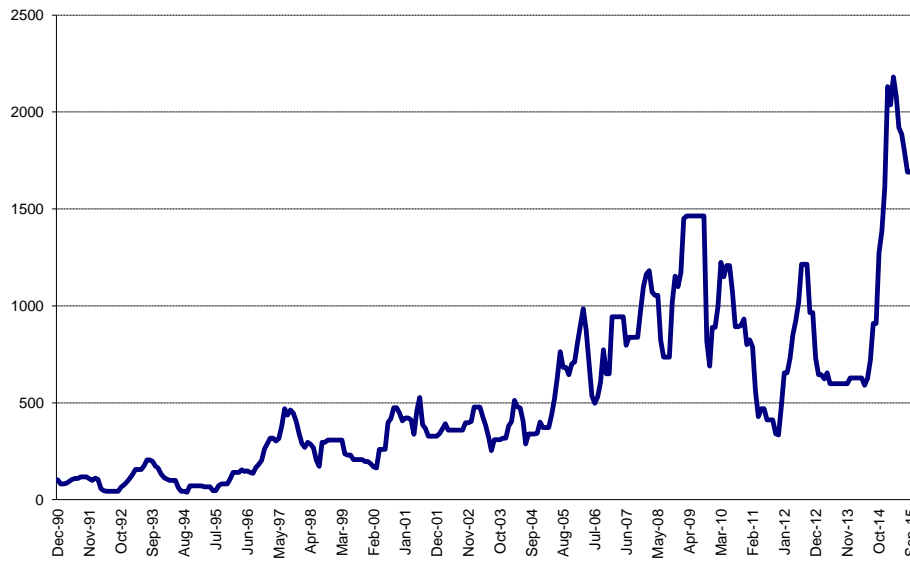
Graph 68: 1Y Retracement Levels - North America



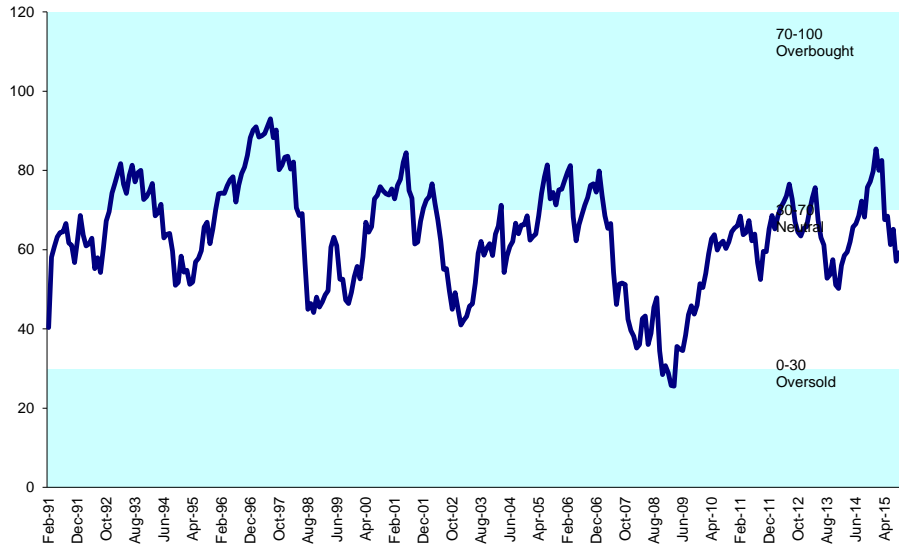
Graph 69: Moving Averages: 5 Year vs 1 Year Oscillator - North America



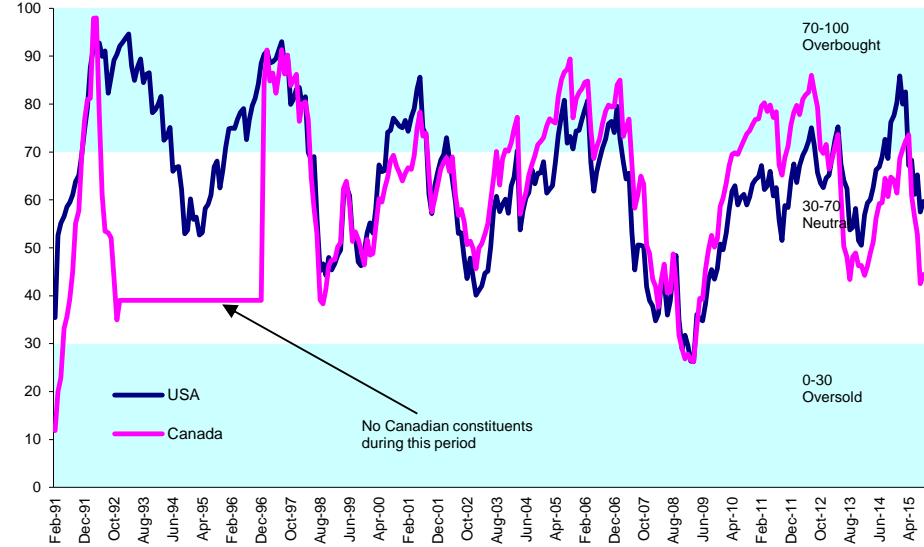
Graph 70: Average True Range (Index Points) - North America



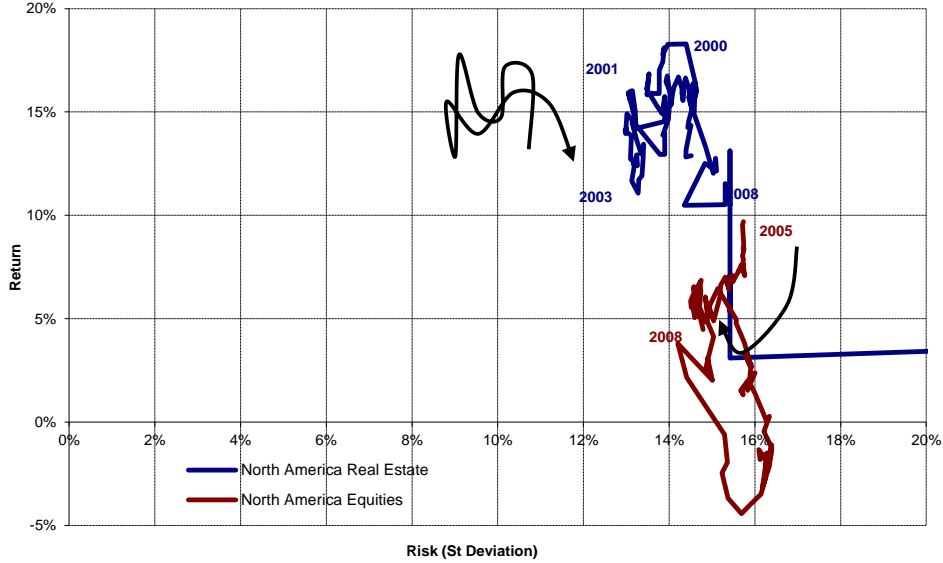
Graph 71: Relative Strength Indicator - North America



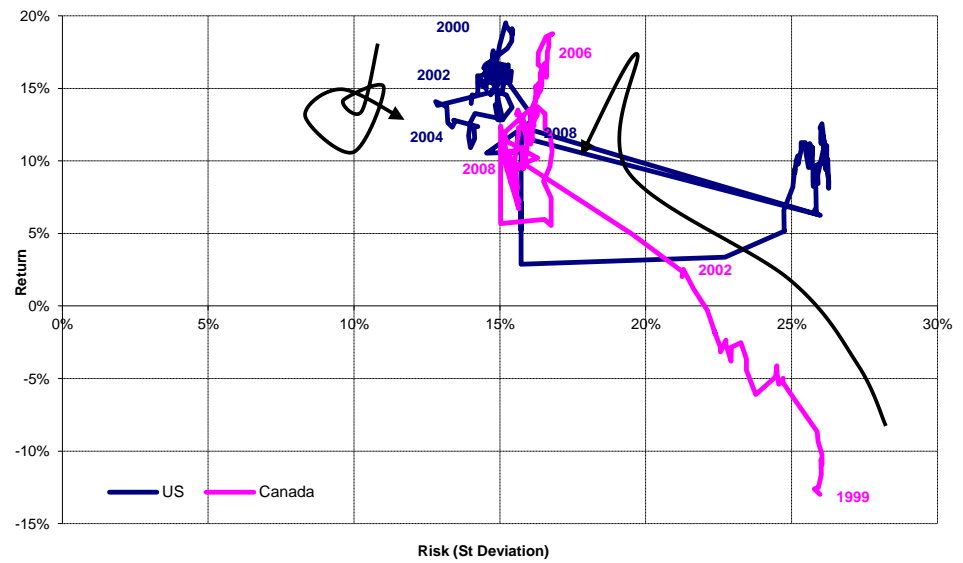
Graph 72: Relative Strength Indicator - North America Countries

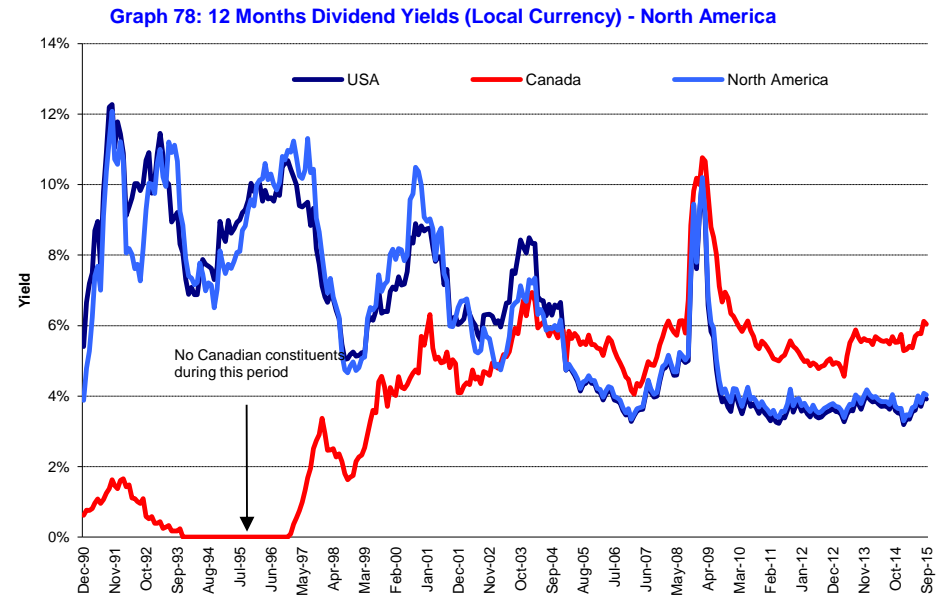
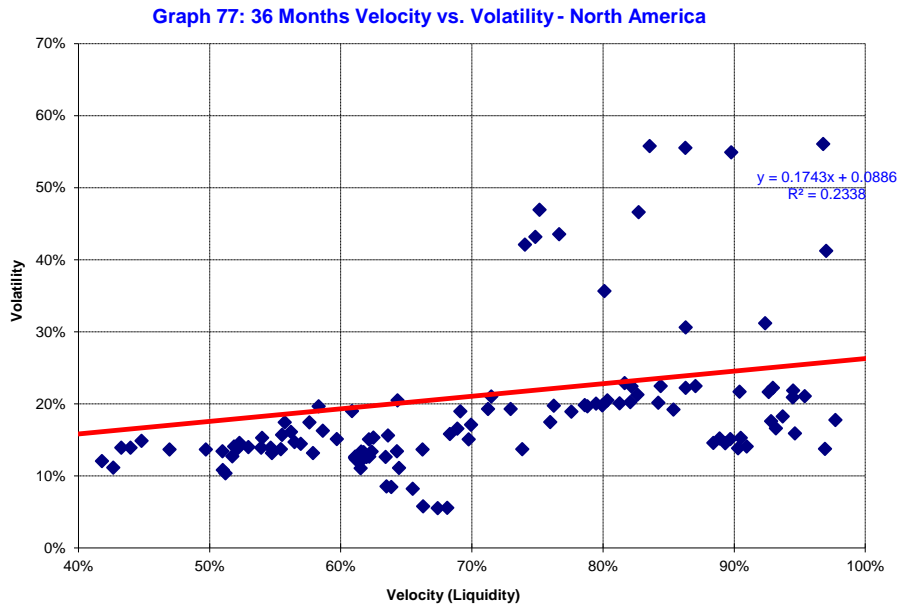
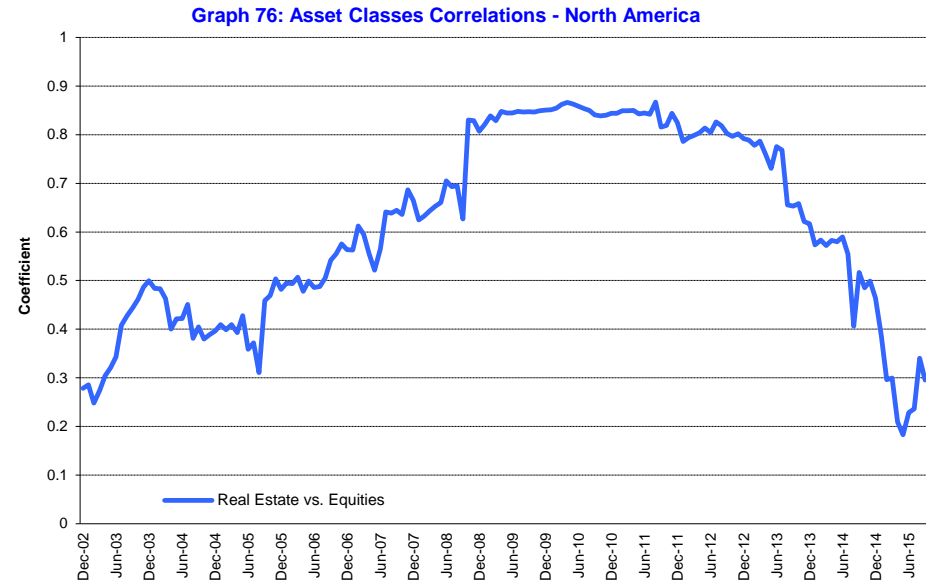
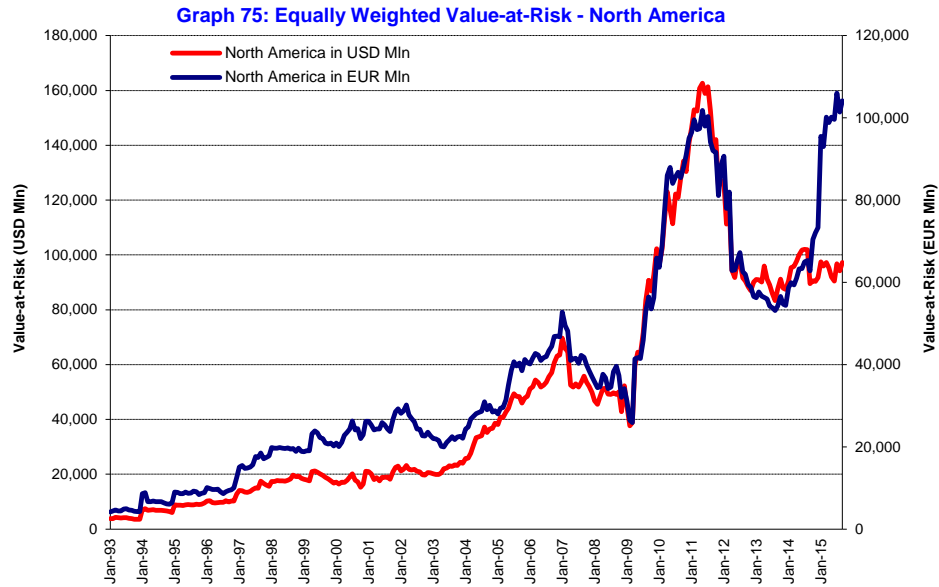


Graph 73: Rolling 10 Years Risk/Return Profile - North America

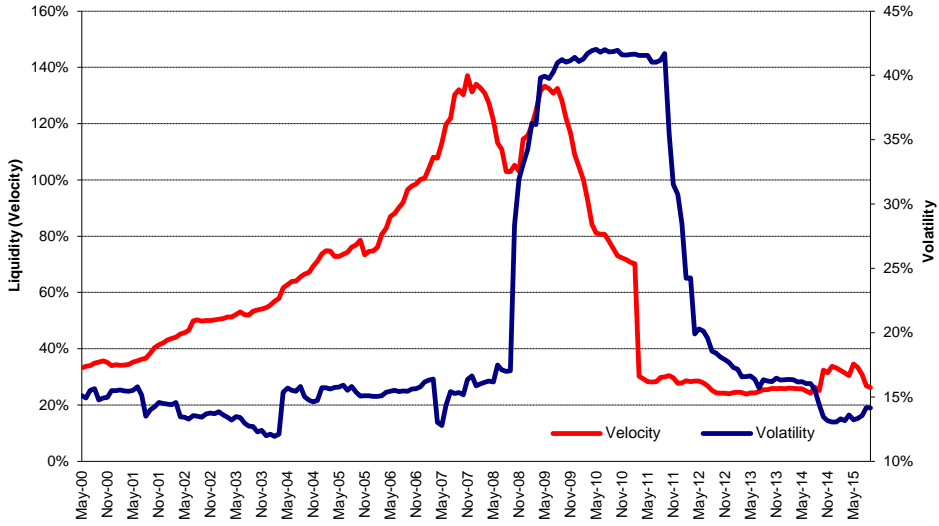


Graph 74: Rolling 10 Years Risk/Return Profile - North America Countries

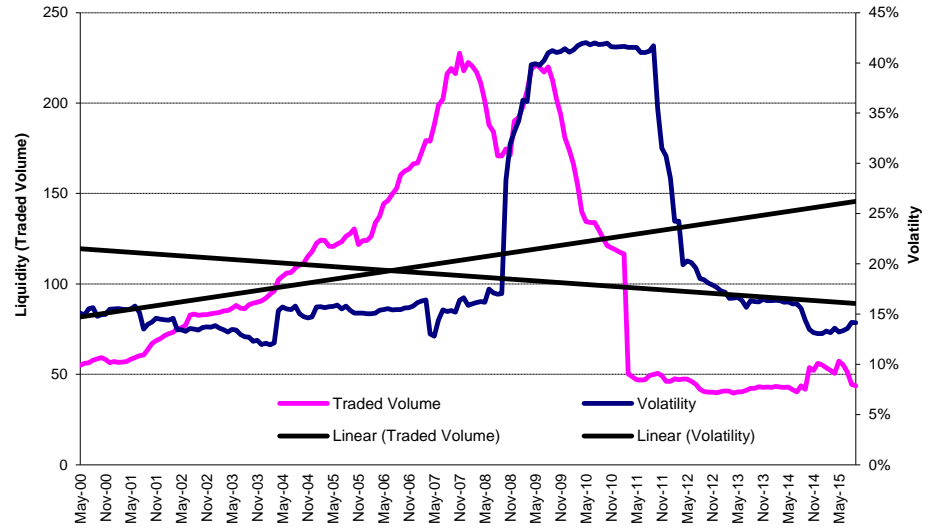




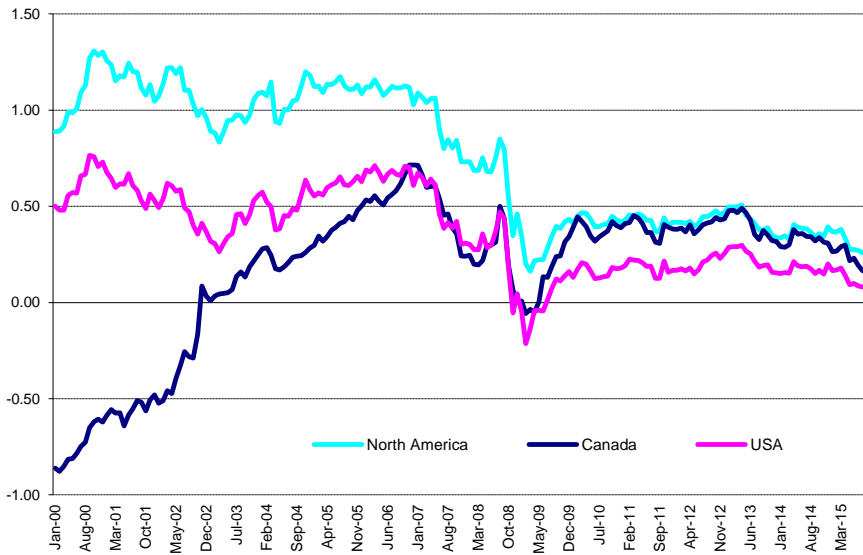
Graph 79: Liquidity (Velocity) vs. Volatility (St. Deviation) - North America



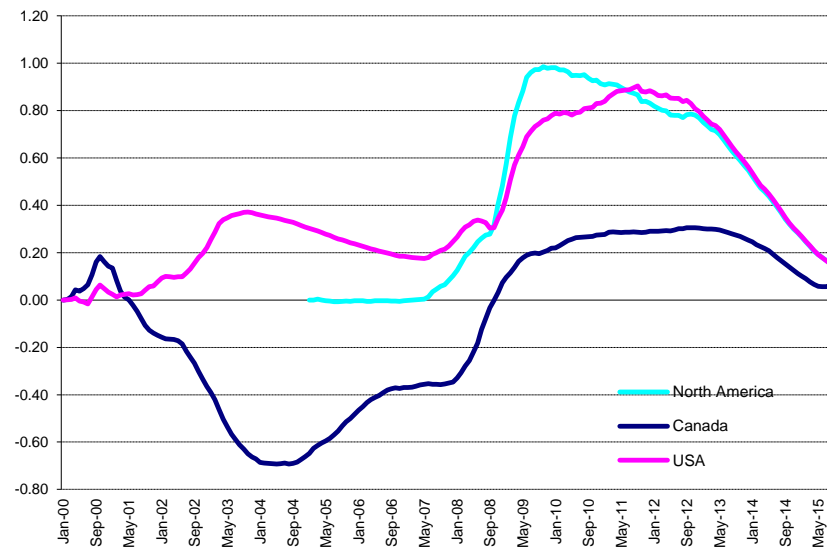
Graph 80: Liquidity (Traded Volume) vs. Volatility (St. Deviation) - North America



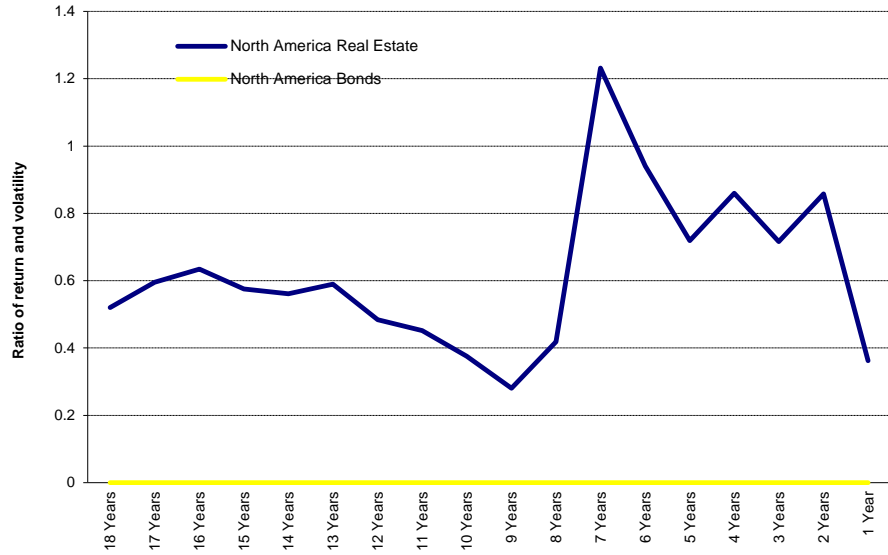
Graph 81: Sharp Ratio - North America



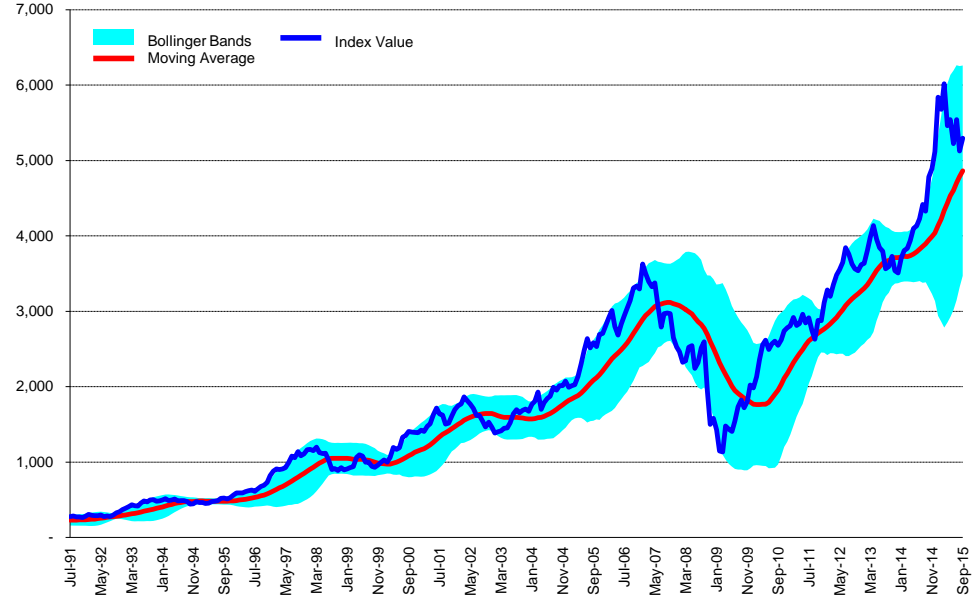
Graph 82: Long Term Beta Coefficient - North America



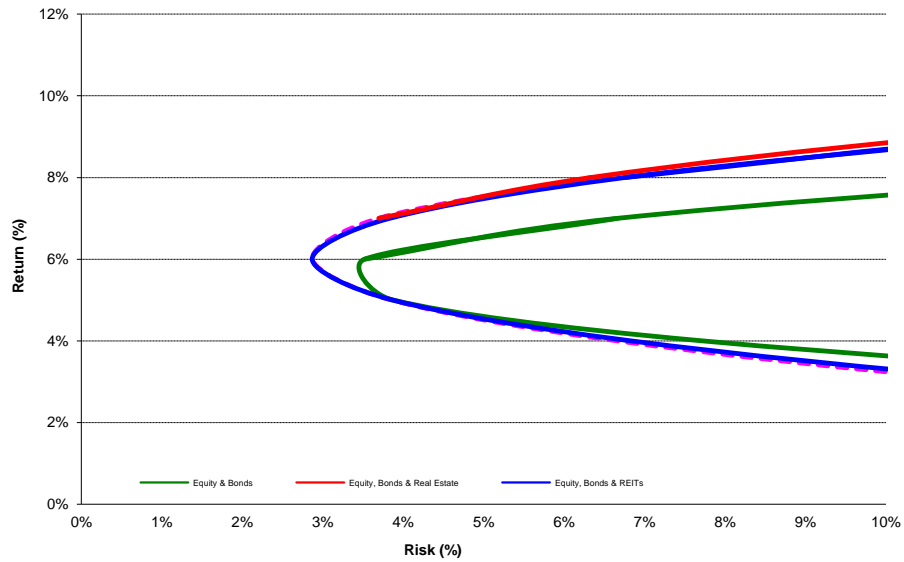
Graph 83: Investment Horizons - North America



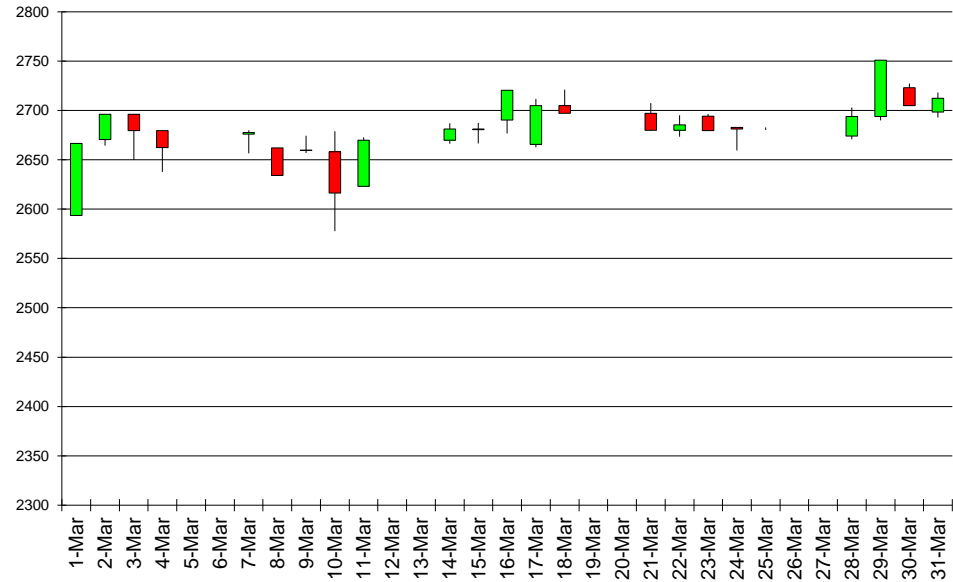
Graph 84: 20 Month Bollinger Bands - North America



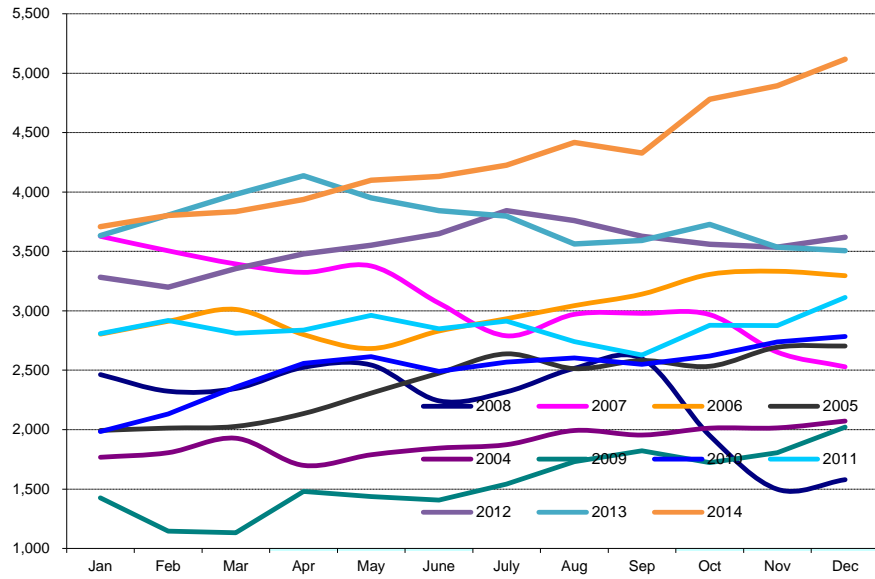
Graph 85: Efficient Frontiers - North America



Graph 86: Candlesticks - North America

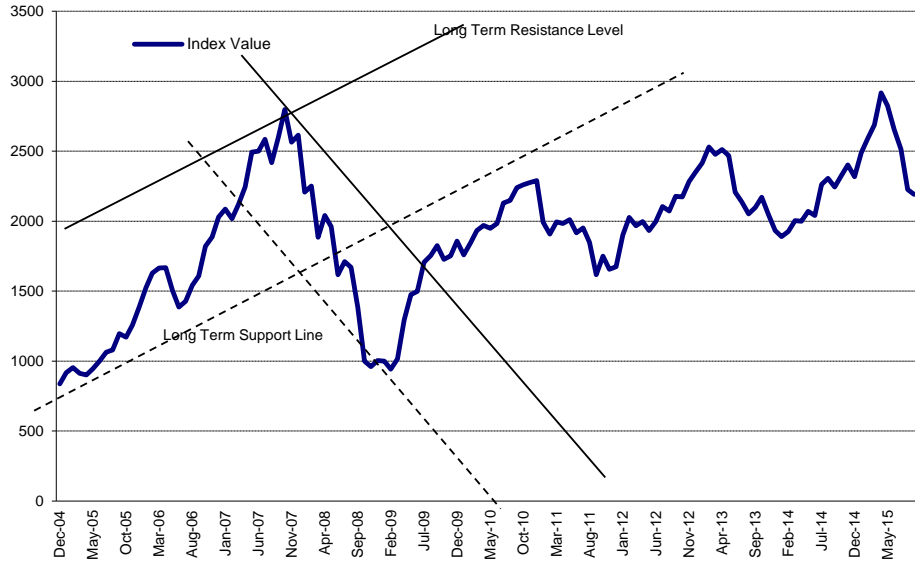


Graph 87: Seasonality Chart - North America



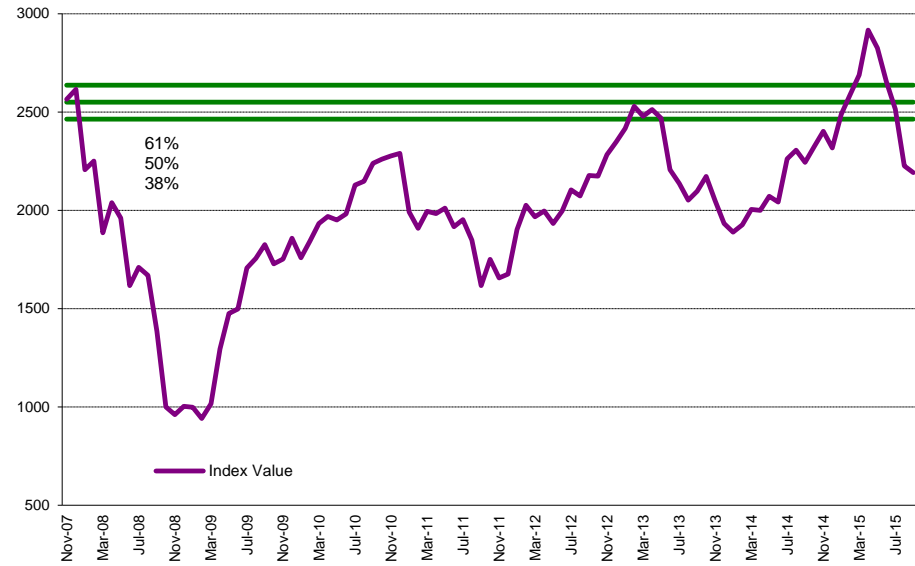
Section 5
Emerging Markets

Graph 87: Long Term Technical Analysis - Emerging Markets ***

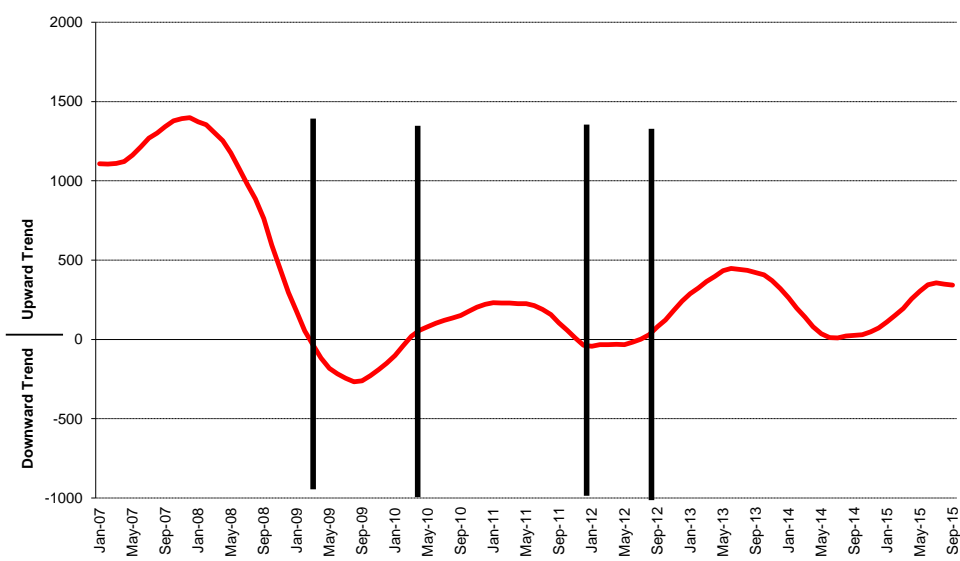


*** A disclaimer applies to this graph. Please refer to page 126.

Graph 88: 1Y Retracement Levels - Emerging Markets



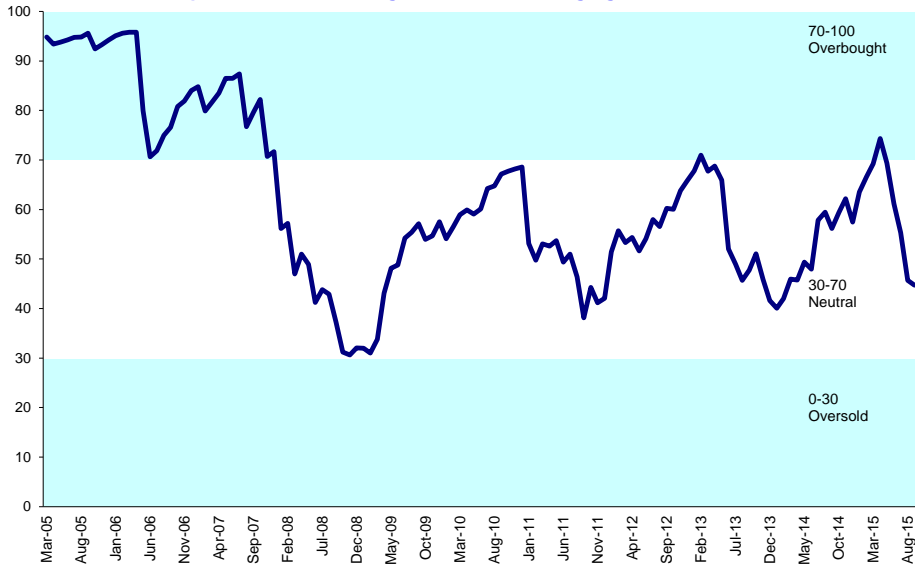
Graph 89: Moving Averages: 5 Year vs 1 Year Oscillator - Emerging Markets



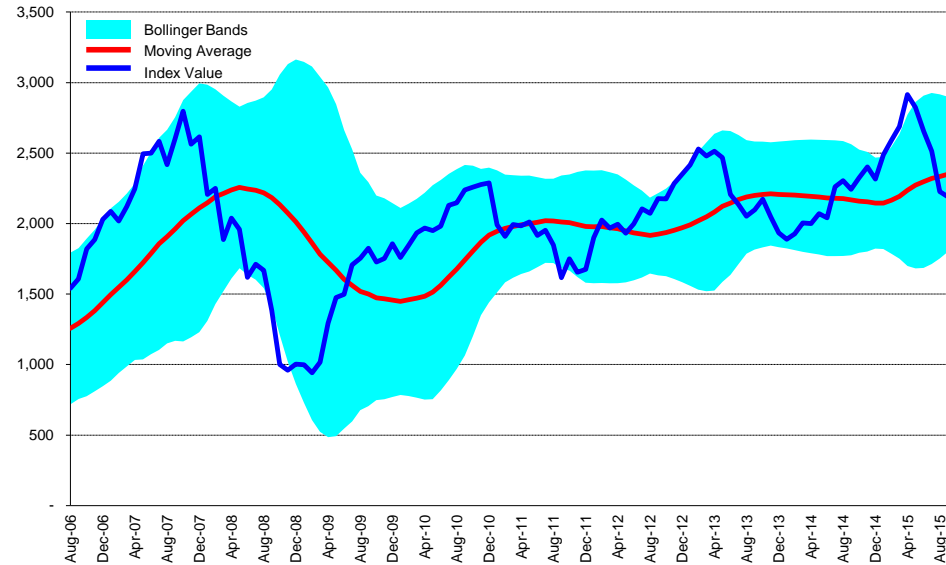
Graph 90: Average True Range (Index Points) - Emerging Markets



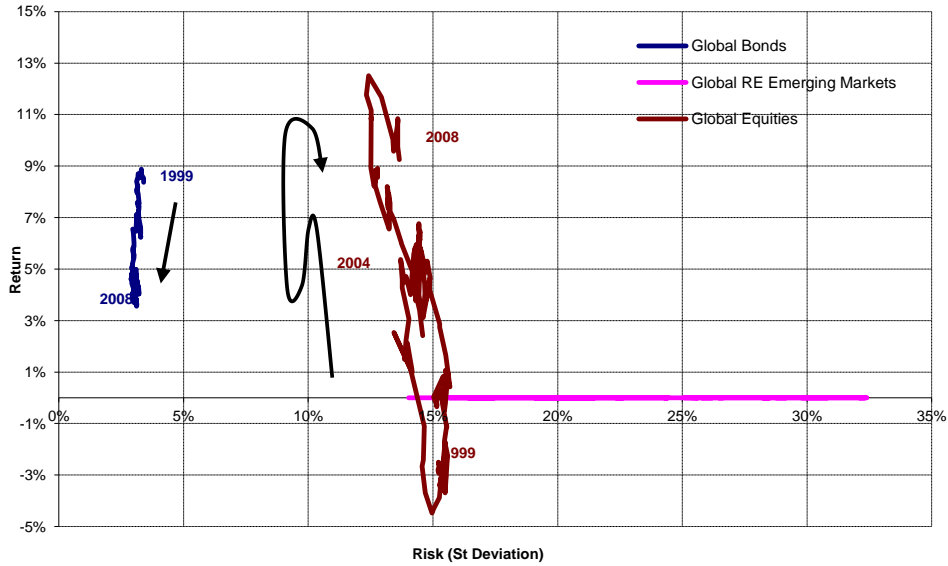
Graph 91: Relative Strength Indicator - Emerging Markets



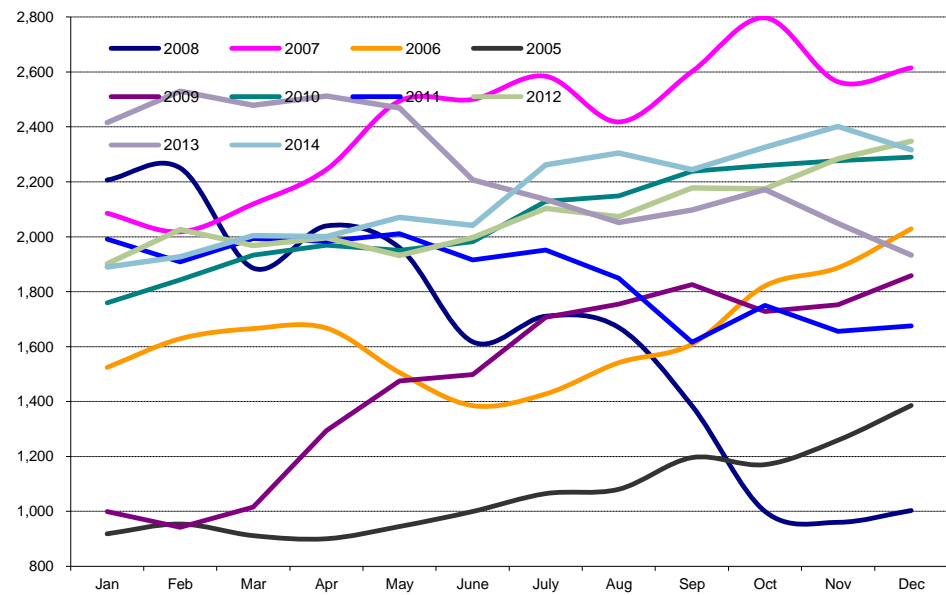
Graph 92: 20 Month Bollinger Bands - Emerging Markets



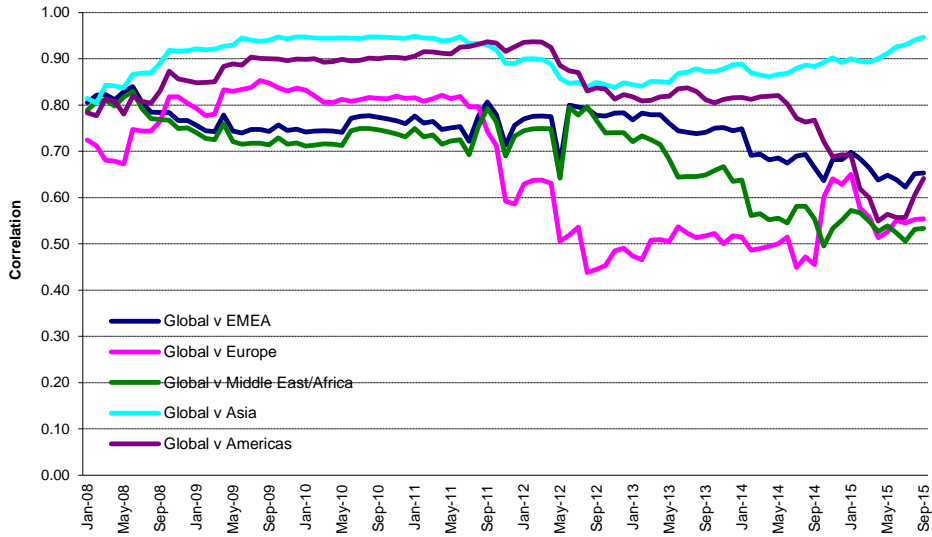
Graph 93: Rolling 3 Years Risk/Return Profiles Local Currencies - Emerging Markets



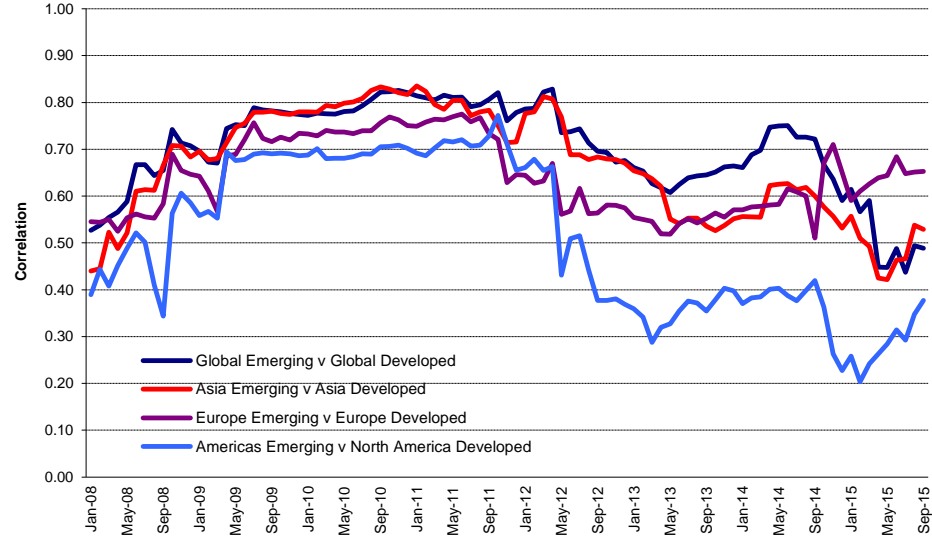
Graph 94: Seasonality Chart - Emerging Markets



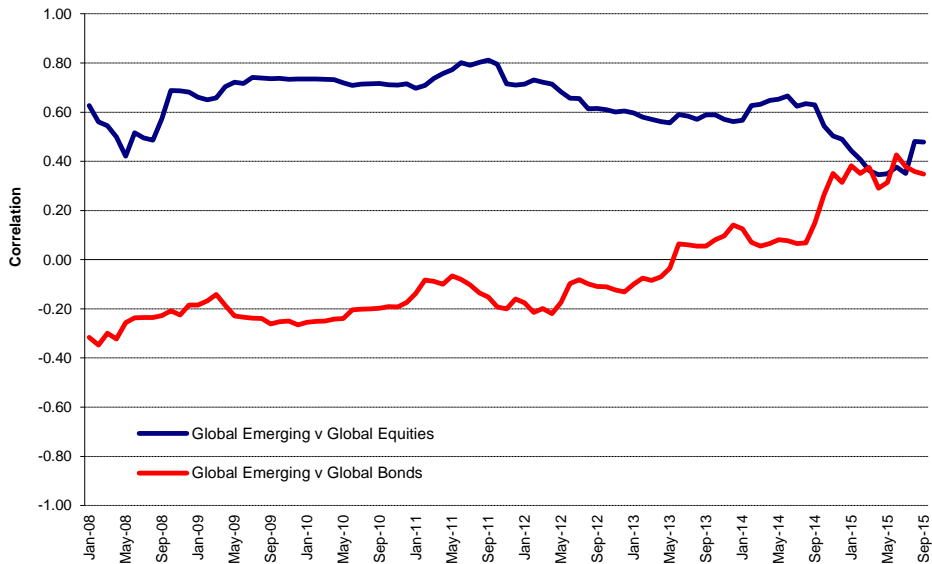
Graph 95: Global Emerging v Regions 36 Months Asset Class Correlations - Emerging Markets



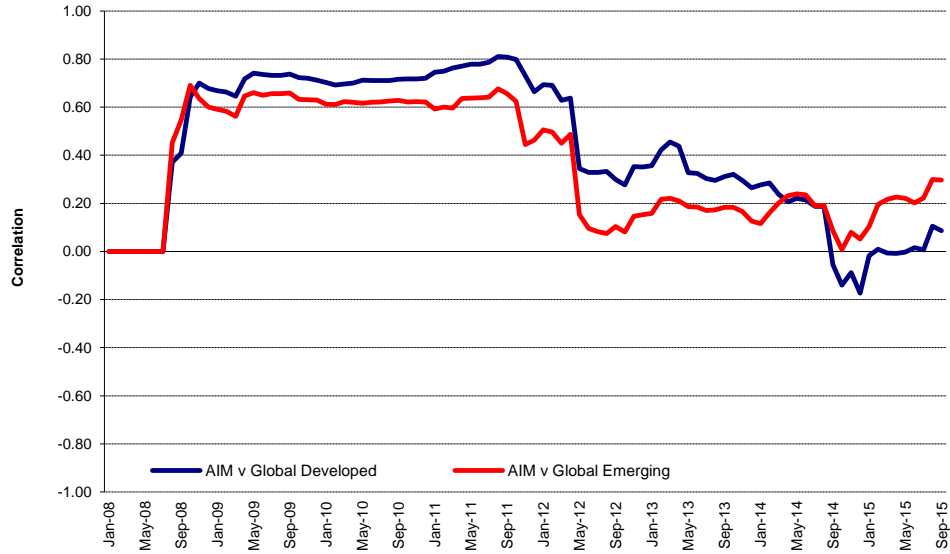
Graph 96: Global Emerging v Global Developed 36 Months Asset Class Correlations - Emerging Markets



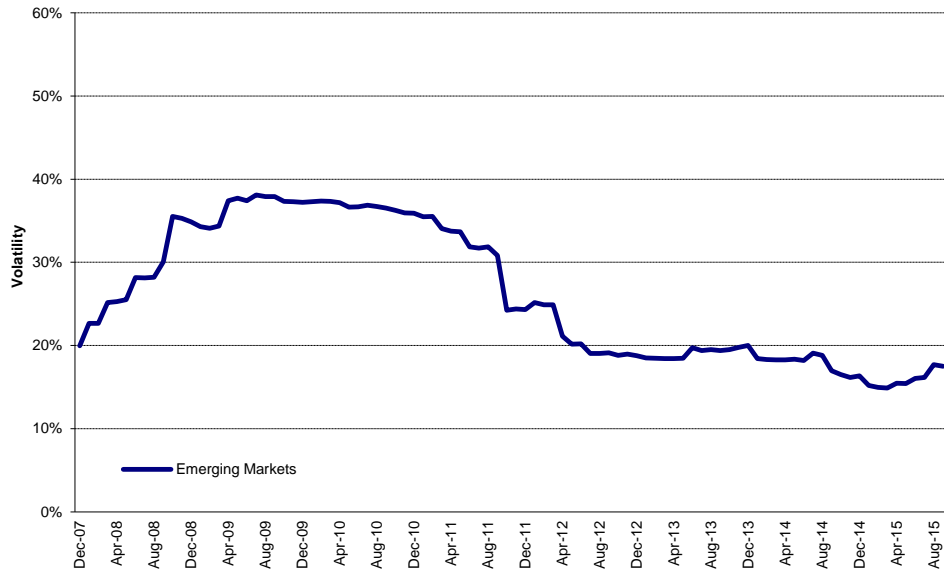
Graph 97: Global Emerging v Asset Classes 36 Months Asset Class Correlations - Emerging Markets



Graph 98: Global AIM v Global 36 Months Asset Class Correlations - Emerging Markets



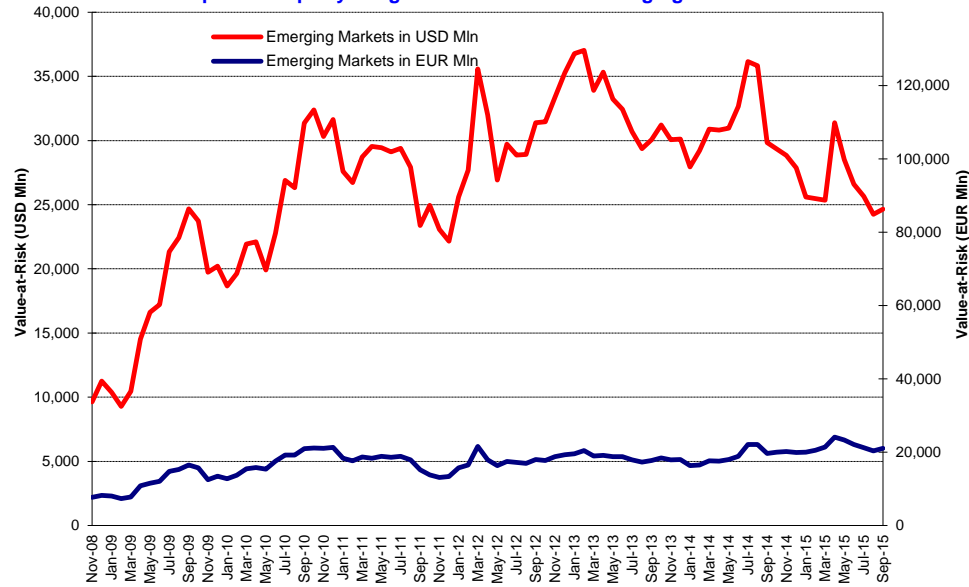
Graph 99: 36 Months Rolling Volatility - Emerging Markets



Graph 100: 12 Months Dividend Yields (Local Currency) - Emerging Markets



Graph 101: Equally Weighted Value-at-Risk - Emerging Markets



Graph 102: Candlesticks - Emerging Markets



Section 6

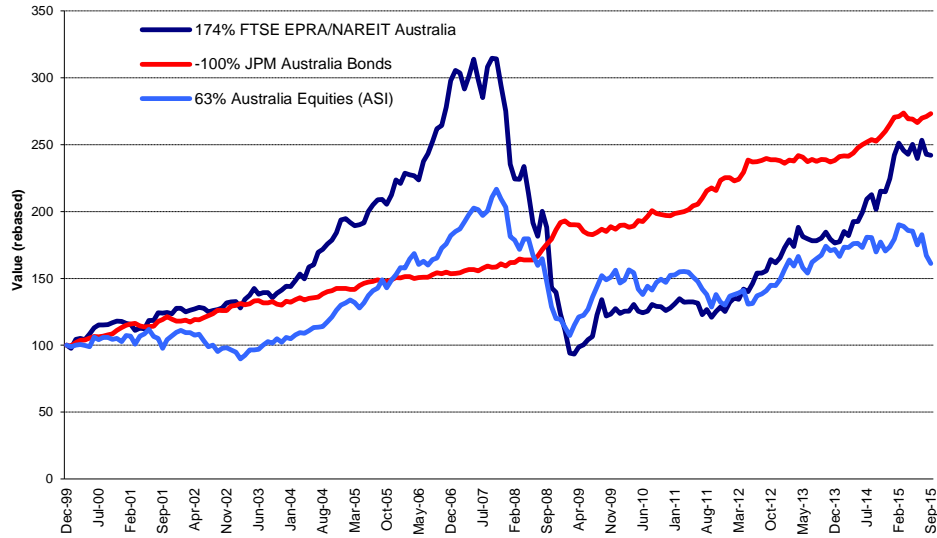
Individual Countries *

* This section contains selected country graphs. Other graphs and graphs for other countries are available upon request.

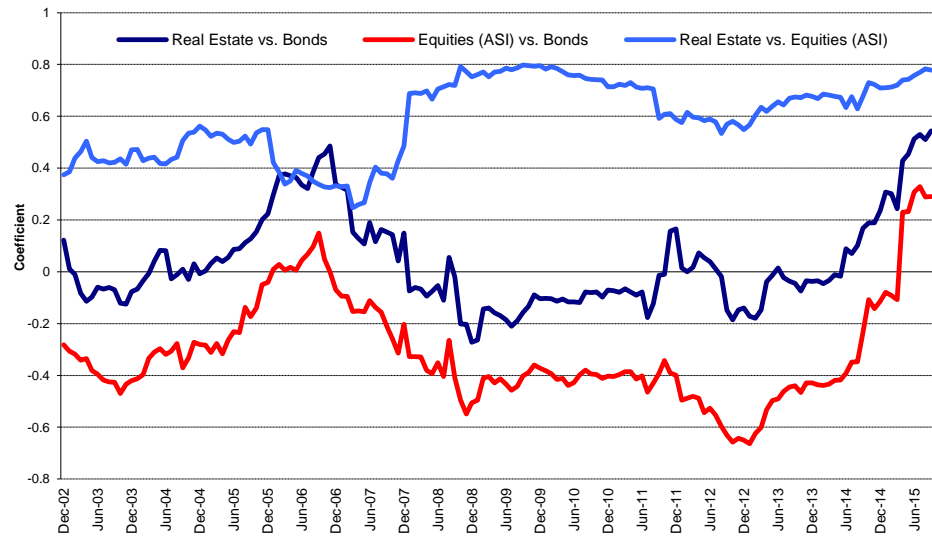
Section 6.1

Australia

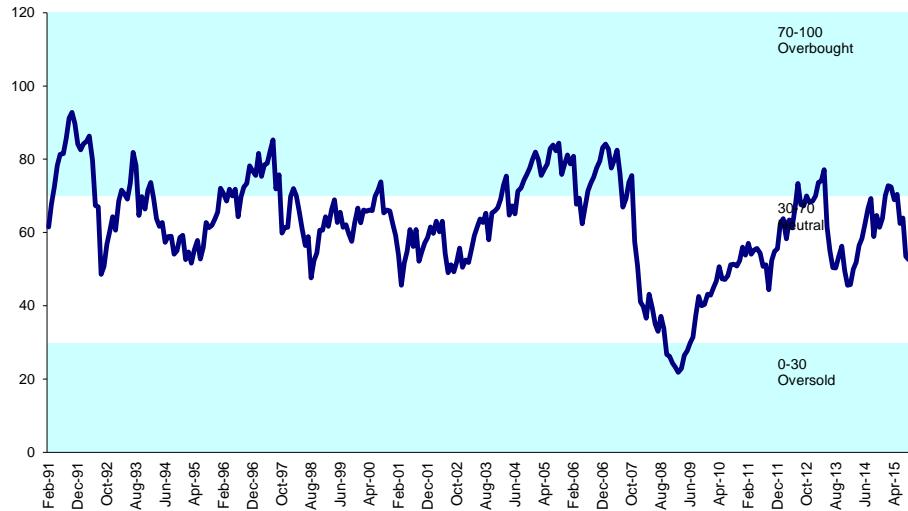
Graph 103: Bonds, Equities & Real Estate - Australia



Graph 104: Asset Classes Correlations - Australia



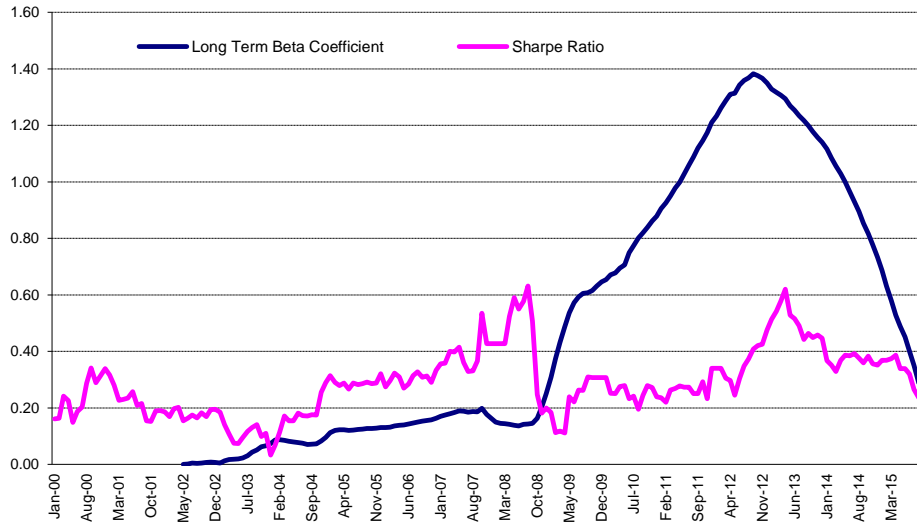
Graph 105: Relative Strength Indicator - Australia



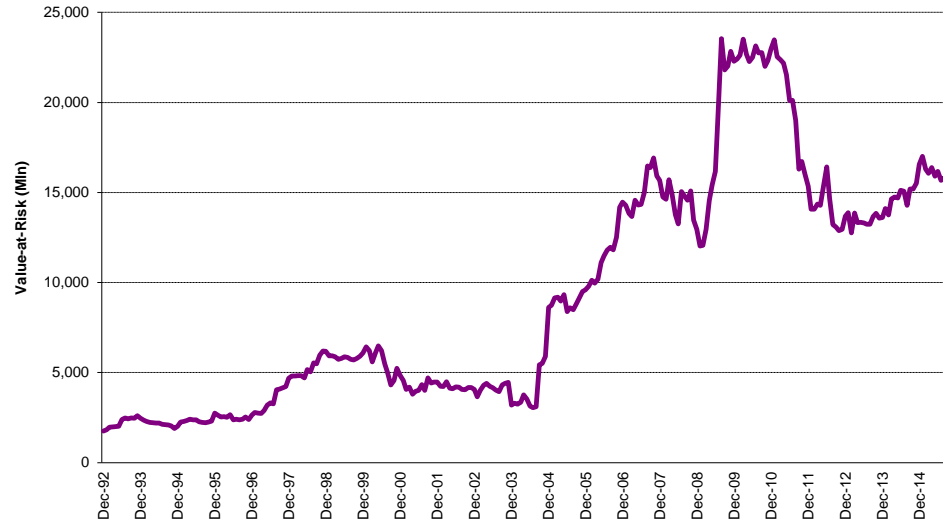
Graph 106: 12 Months Dividend Yields - Australia



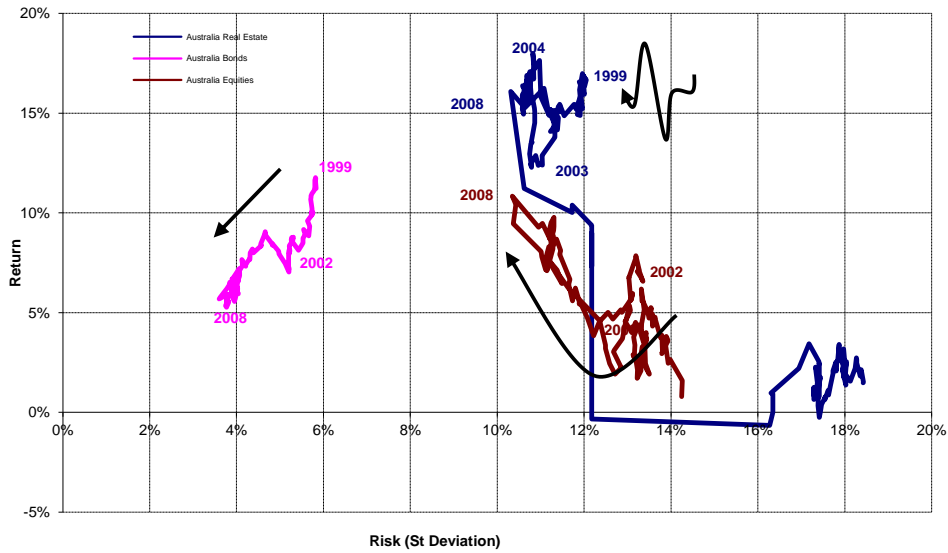
Graph 107: Long Term Beta Coefficient & Sharpe Ratio - Australia



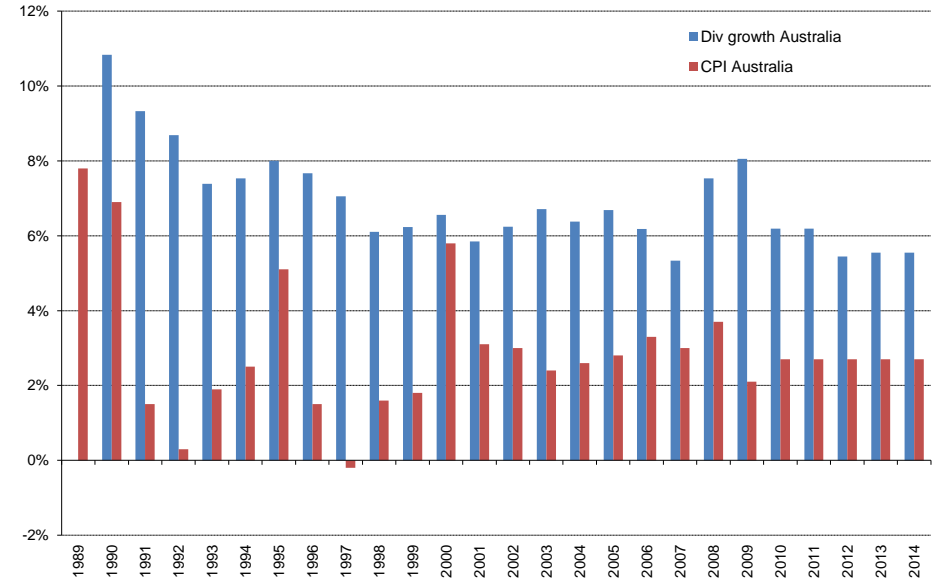
Graph 108: Equally Weighted Value-at-Risk - Australia



Graph 109: Rolling 10 Years Risk/Return Profiles - Australia



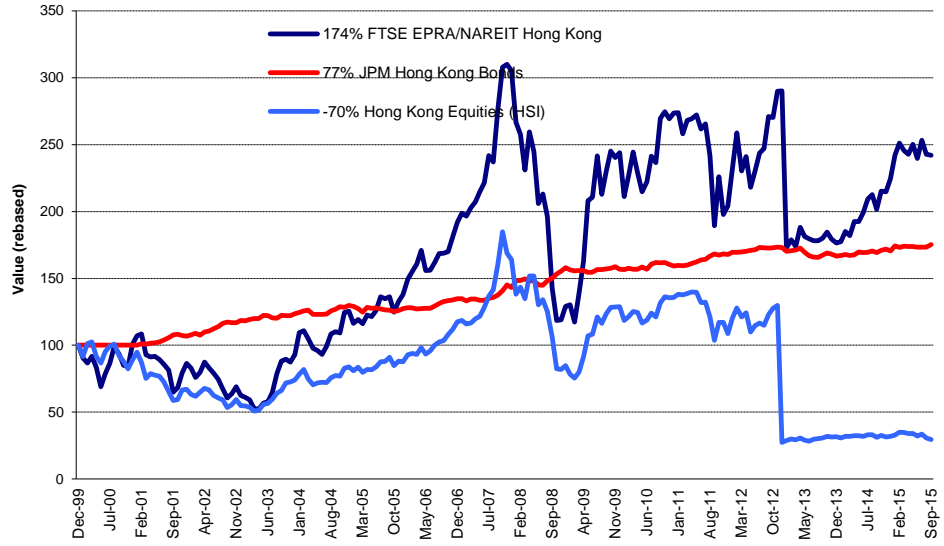
Graph 110: Dividend Growth vs. Inflation - Australia



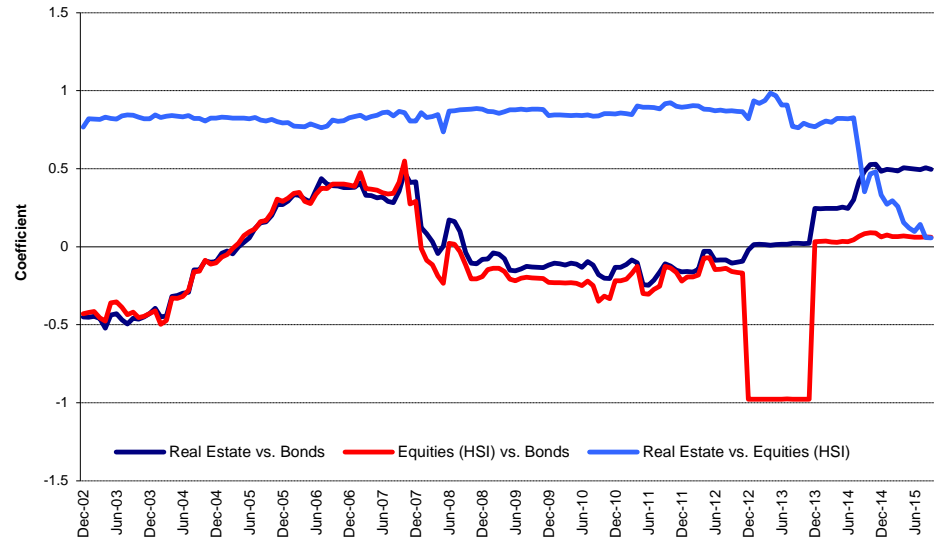
Section 6.2

Hong Kong

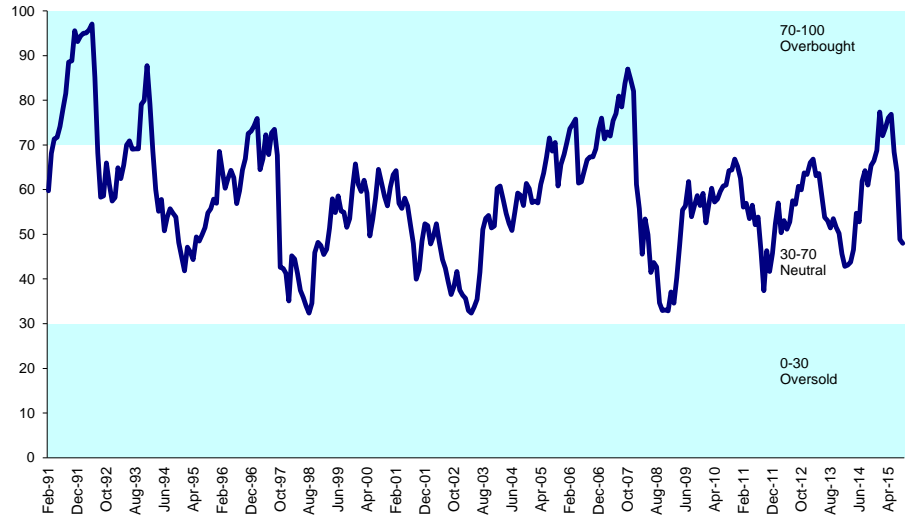
Graph 111: Bonds, Equities & Real Estate - Hong Kong



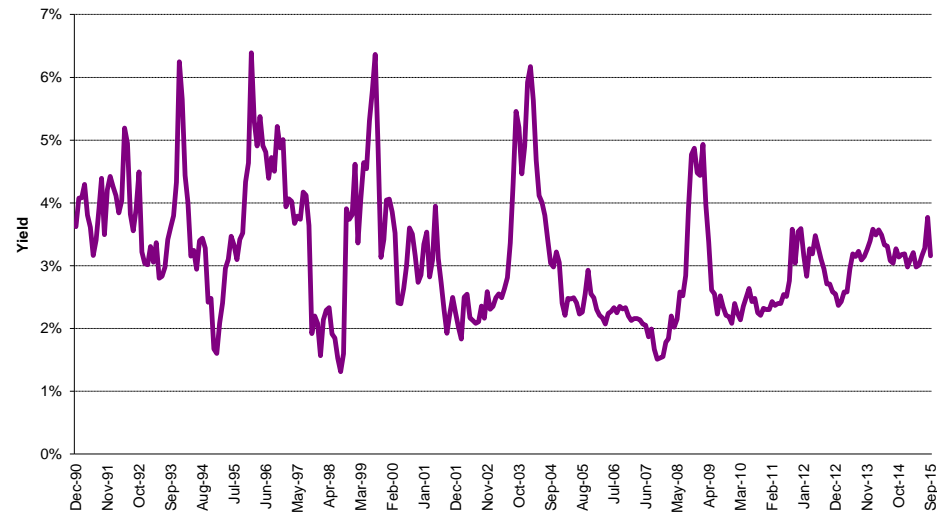
Graph 112: Asset Classes Correlations - Hong Kong



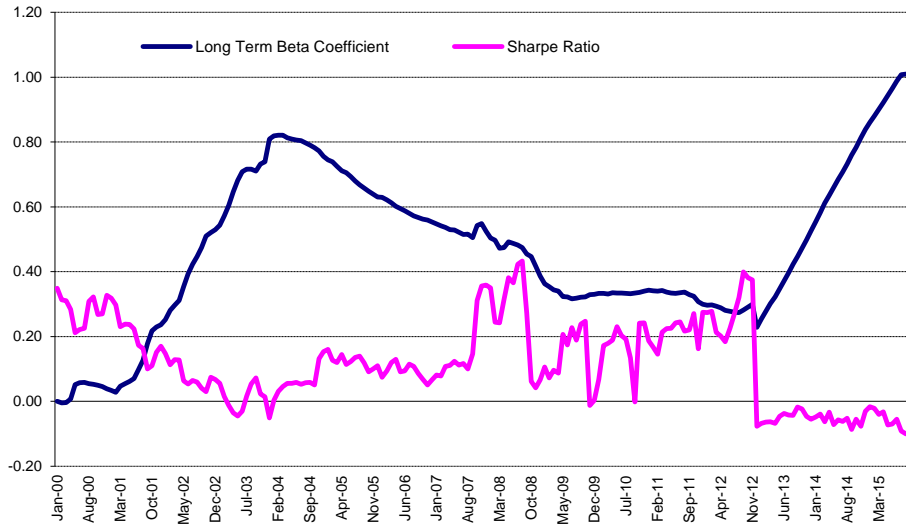
Graph 113: Relative Strength Indicator - Hong Kong



Graph 114: 12 Months Dividend Yields - Hong Kong



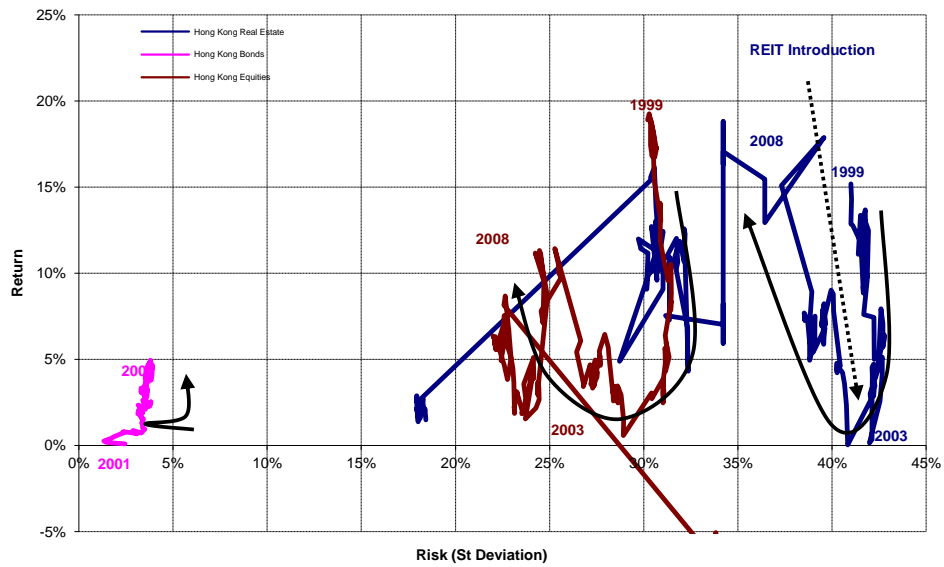
Graph 115: Long Term Beta Coefficient & Sharpe Ratio - Hong Kong



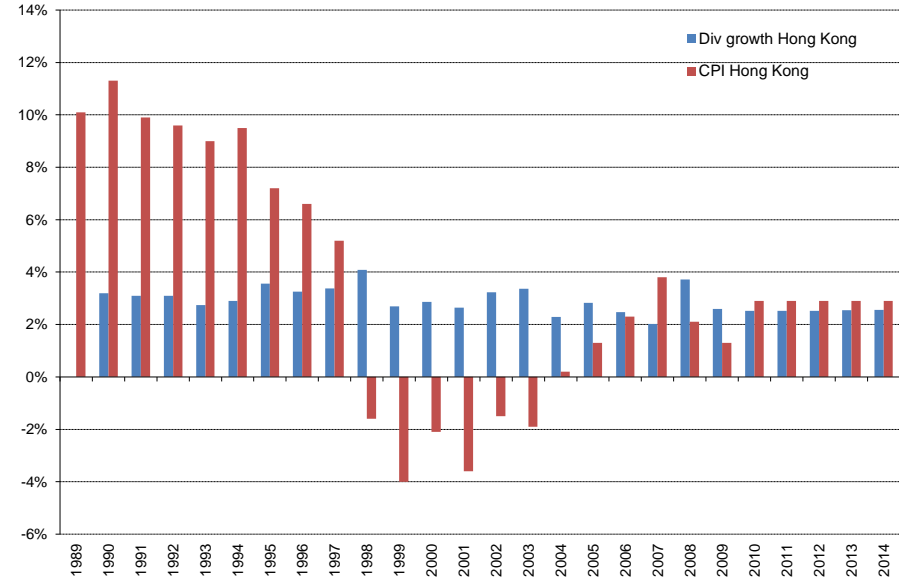
Graph 116: Equally Weighted Value-at-Risk - Hong Kong



Graph 117: Rolling 10 Years Risk/Return Profiles - Hong Kong



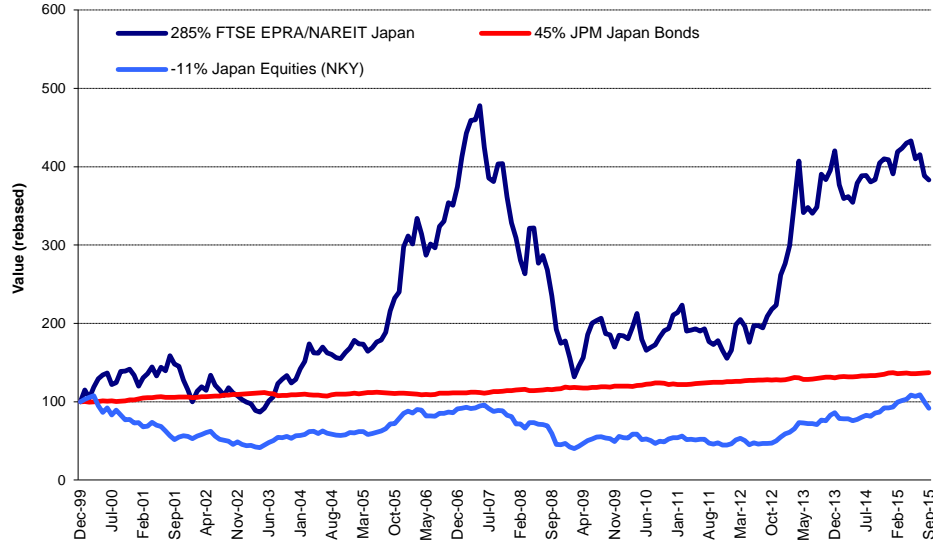
Graph 118: Dividend Growth vs. Inflation - Hong Kong



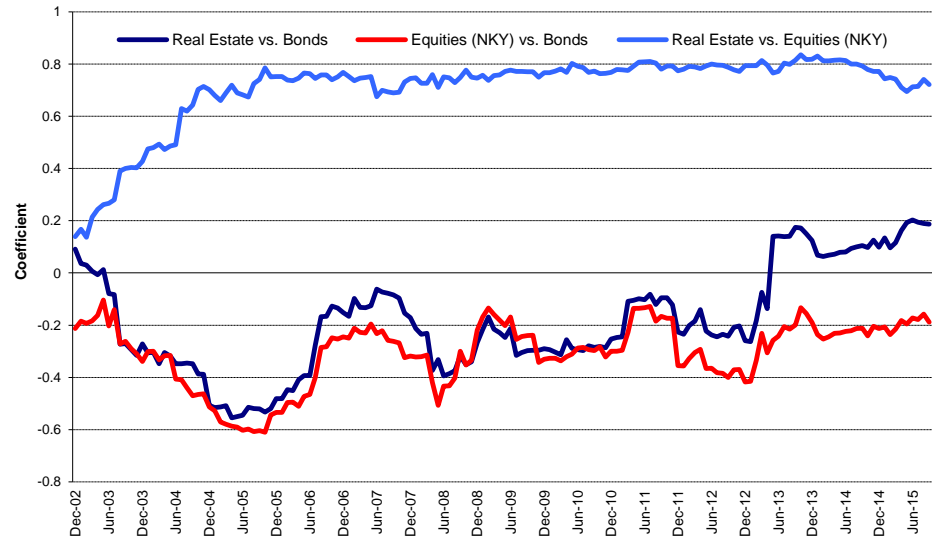
Section 6.3

Japan

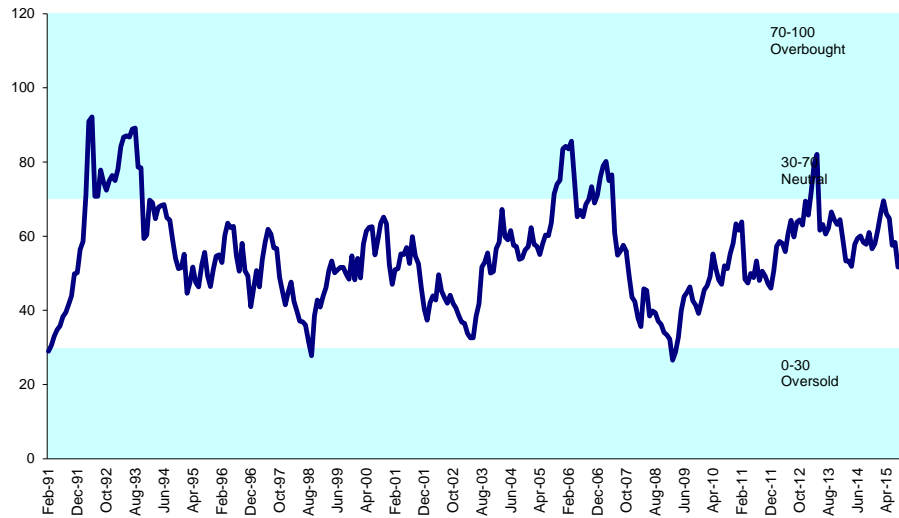
Graph 119: Bonds, Equities & Real Estate - Japan



Graph 120: Asset Classes Correlations - Japan



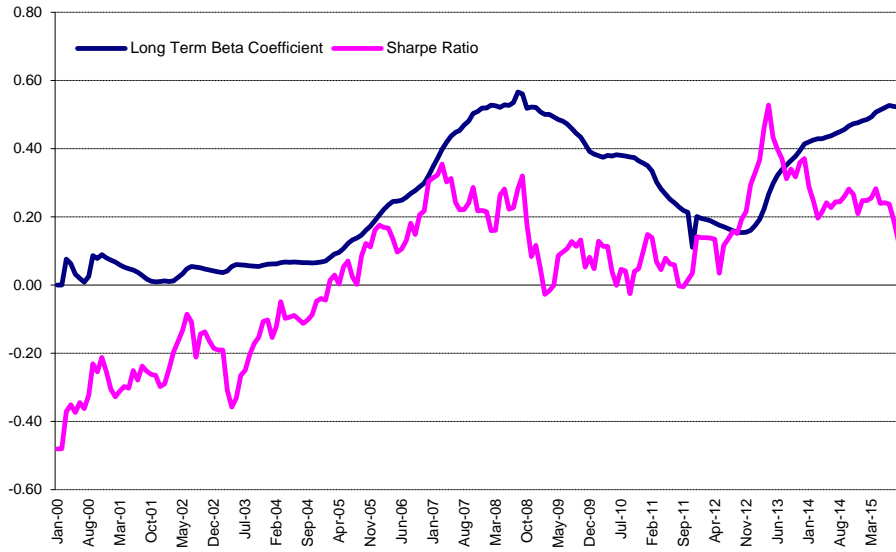
Graph 121: Relative Strength Indicator - Japan



Graph 122: 12 Months Dividend Yields - Japan



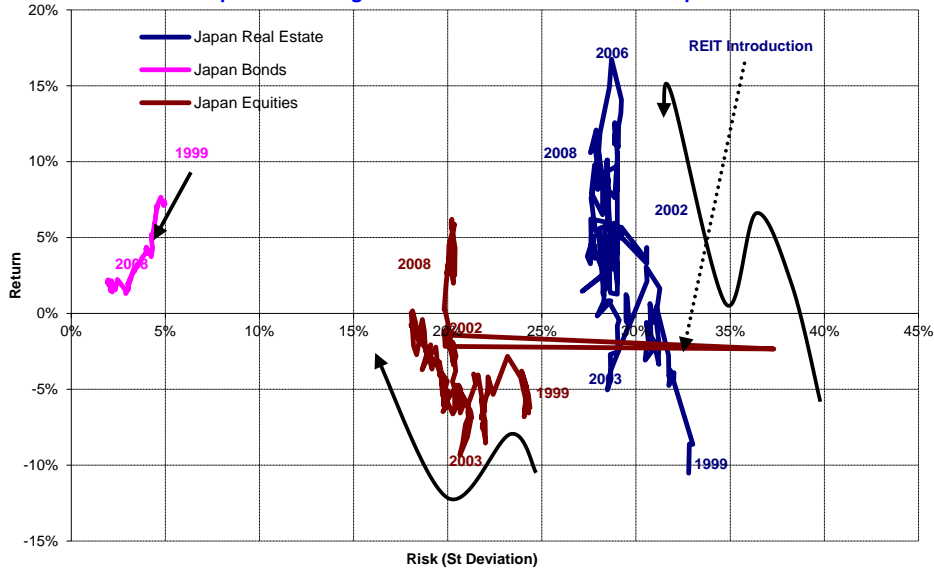
Graph 123: Long Term Beta Coefficient & Sharpe Ratio - Japan



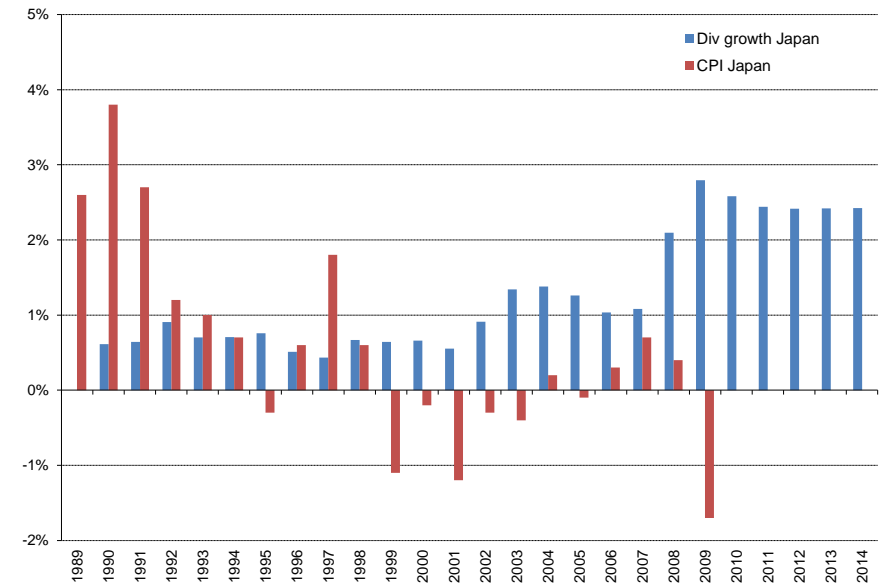
Graph 124: Equally Weighted Value-at-Risk - Japan



Graph 125: Rolling 10 Years Risk/Return Profiles - Japan



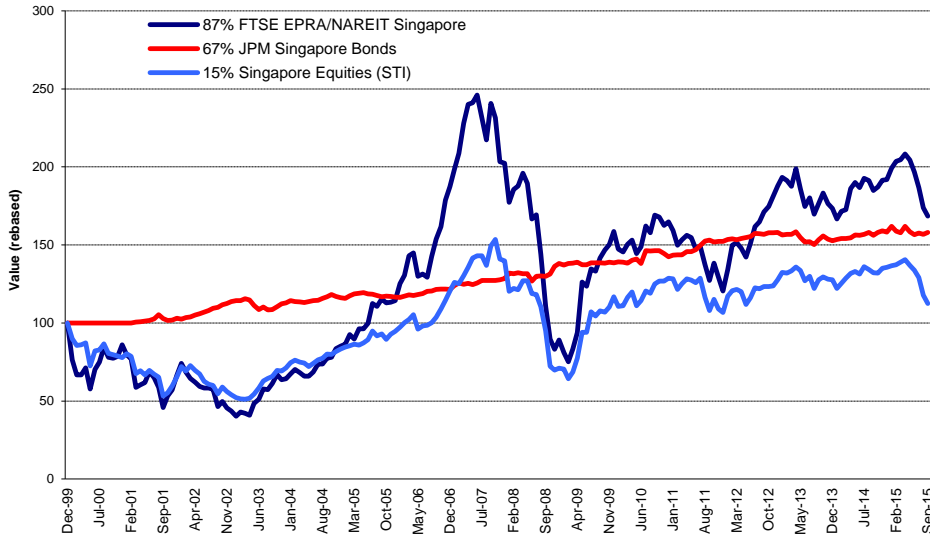
Graph 126: Dividend Growth vs. Inflation - Japan



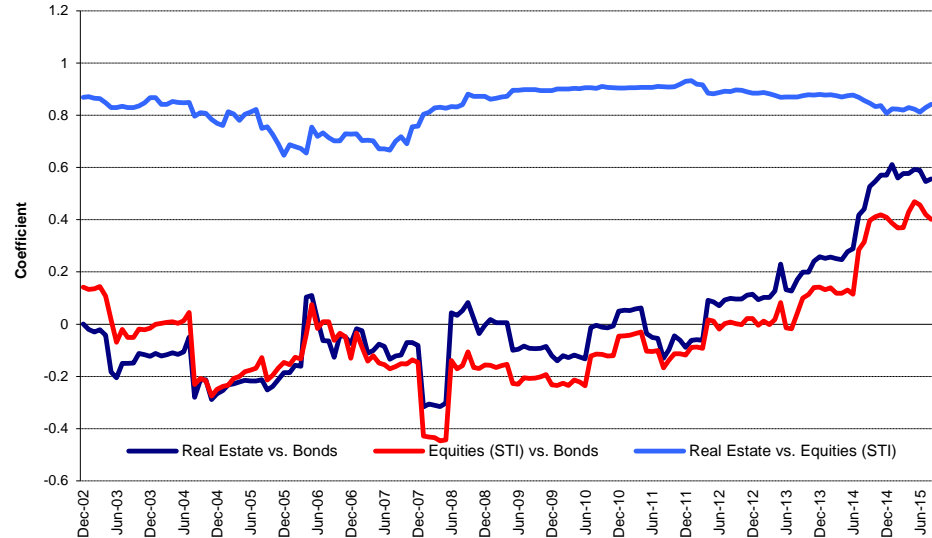
Section 6.4

Singapore

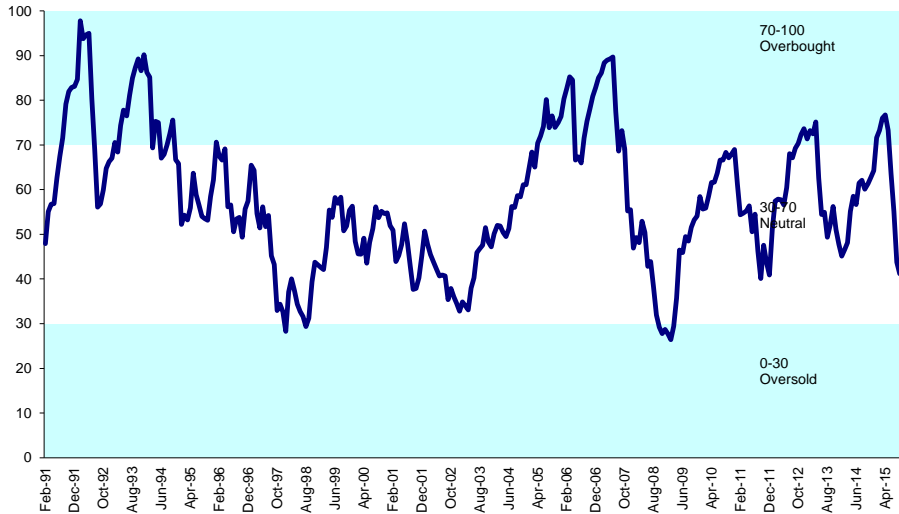
Graph 127: Bonds, Equities & Real Estate - Singapore



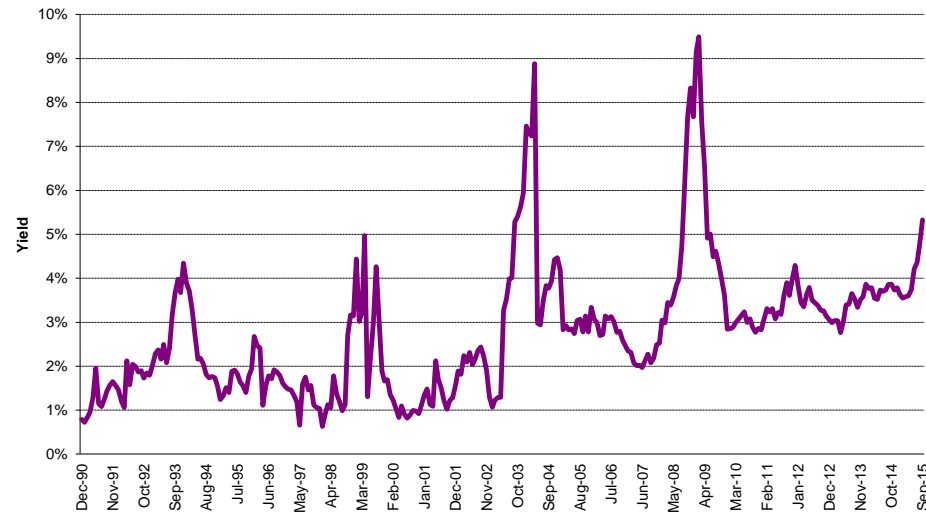
Graph 128: Asset Classes Correlations - Singapore



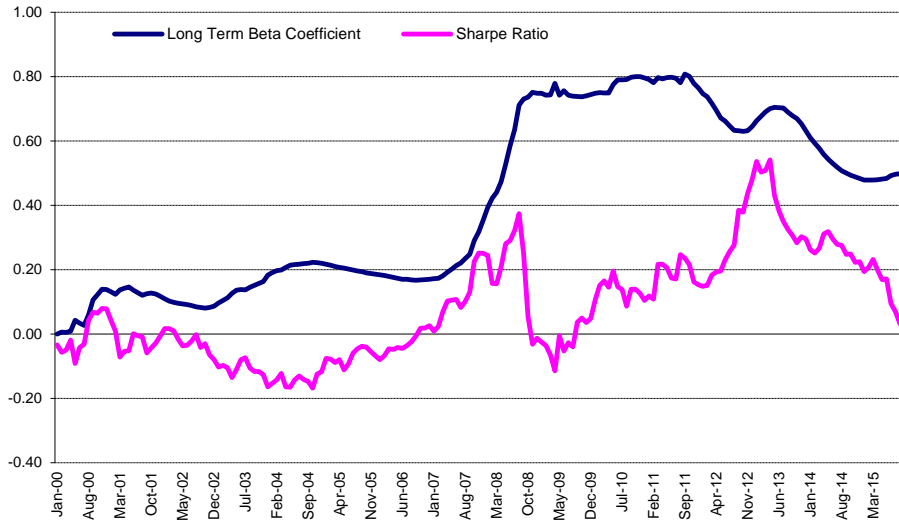
Graph 129: Relative Strength Indicator - Singapore



Graph 130: 12 Months Dividend Yields - Singapore



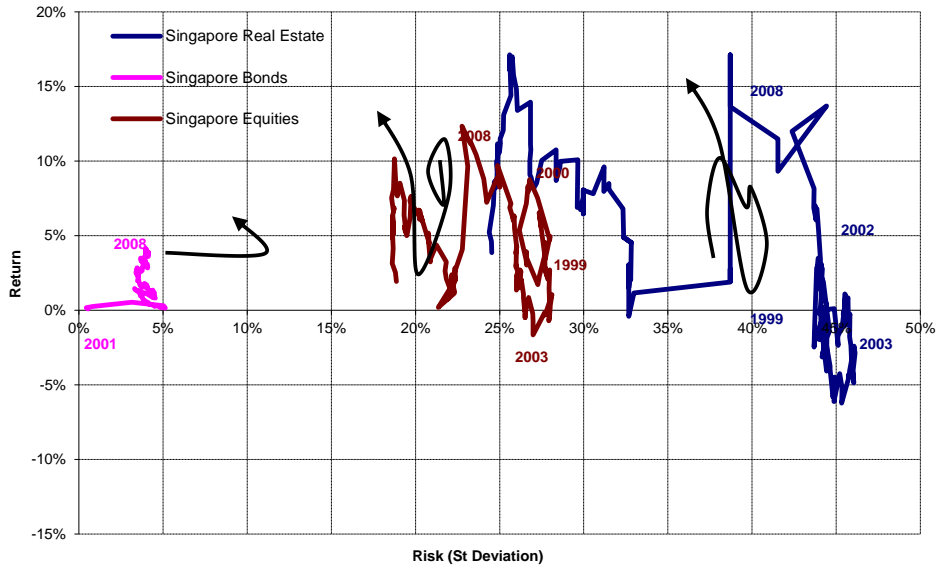
Graph 131: Long Term Beta Coefficient & Sharpe Ratio - Singapore



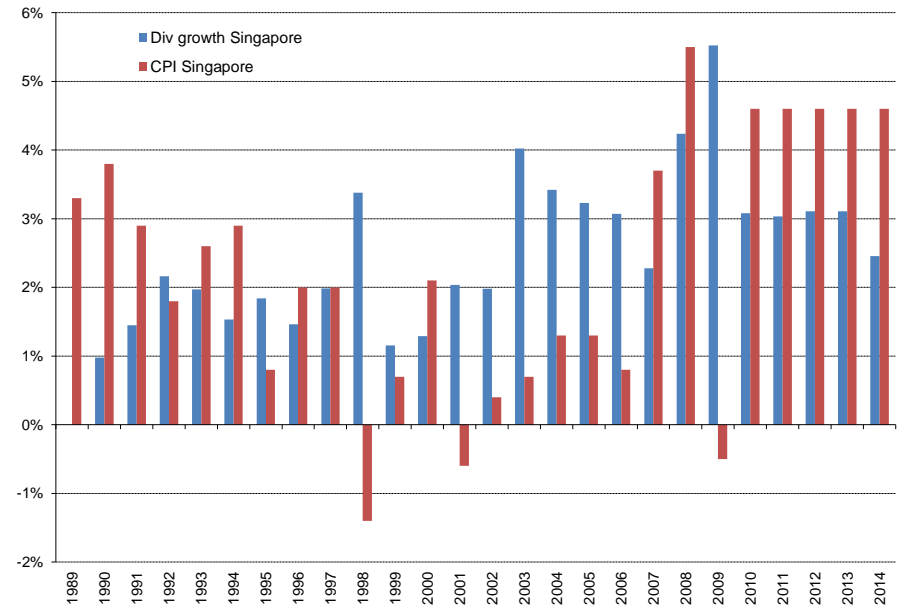
Graph 132: Equally Weighted Value-at-Risk - Singapore



Graph 133: Rolling 10 Years Risk/Return Profiles - Singapore



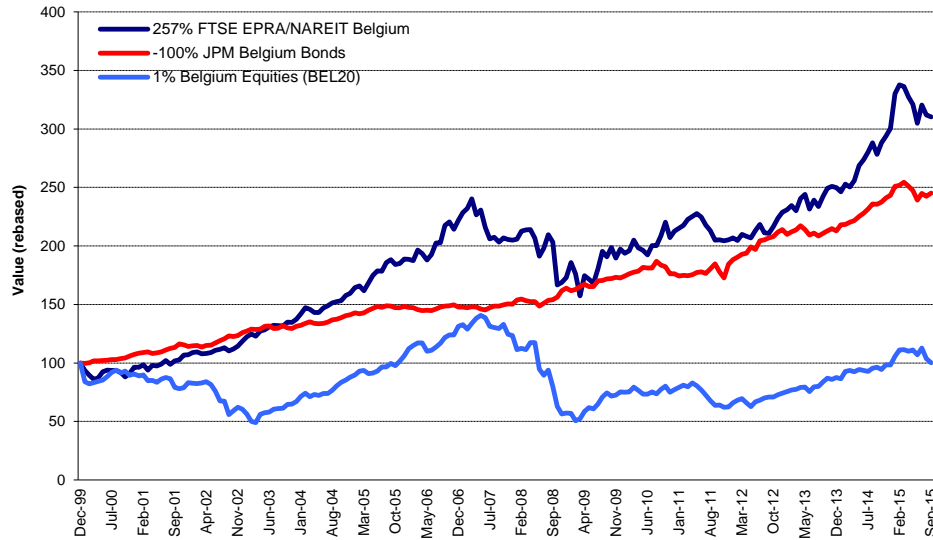
Graph 134: Dividend Growth vs. Inflation - Singapore



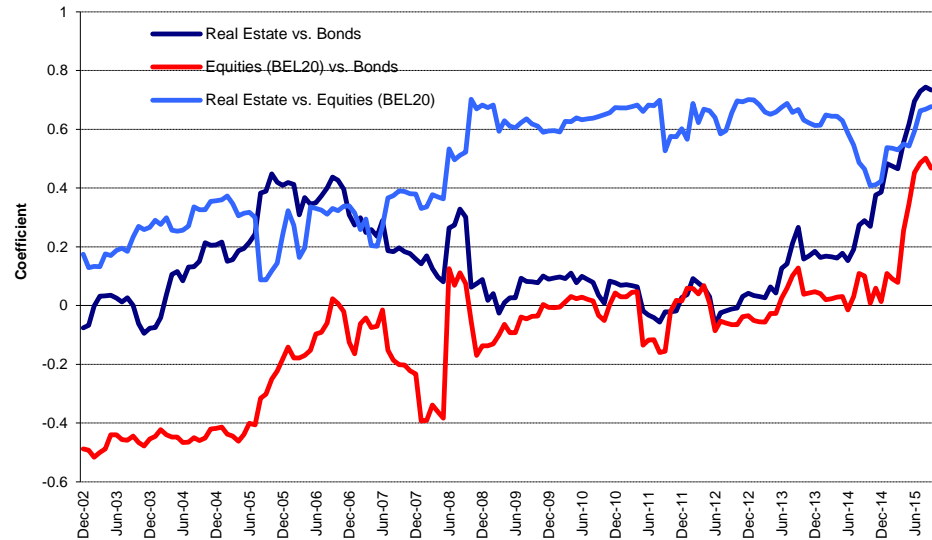
Section 6.5

Belgium

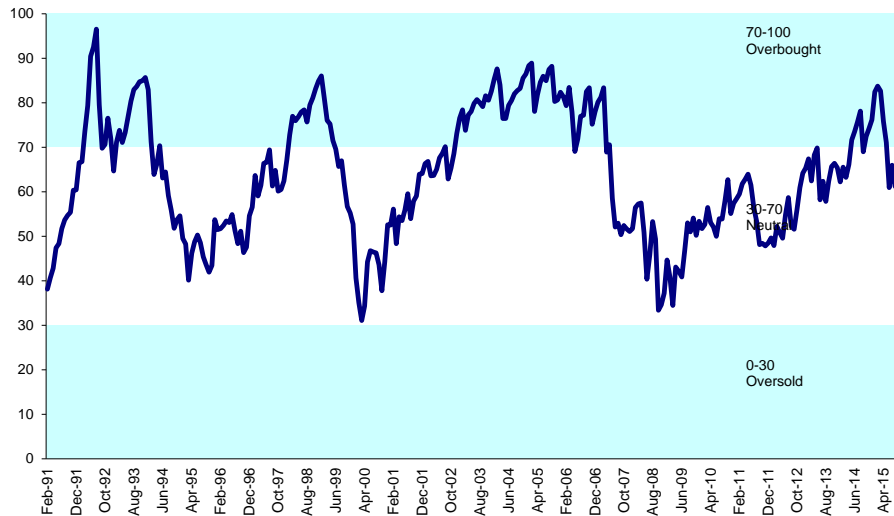
Graph 135: Bonds, Equities & Real Estate - Belgium



Graph 136: Asset Classes Correlations - Belgium



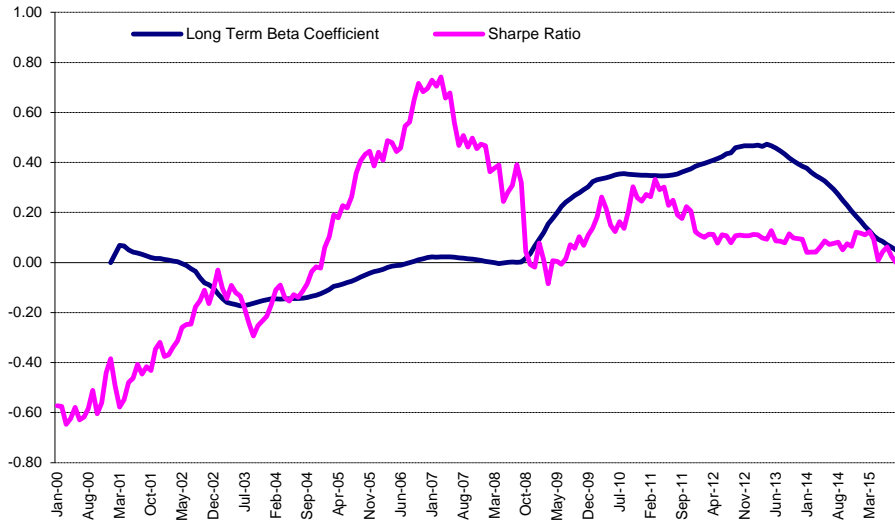
Graph 137: Relative Strength Indicator - Belgium



Graph 138: 12 Months Dividend Yields - Belgium



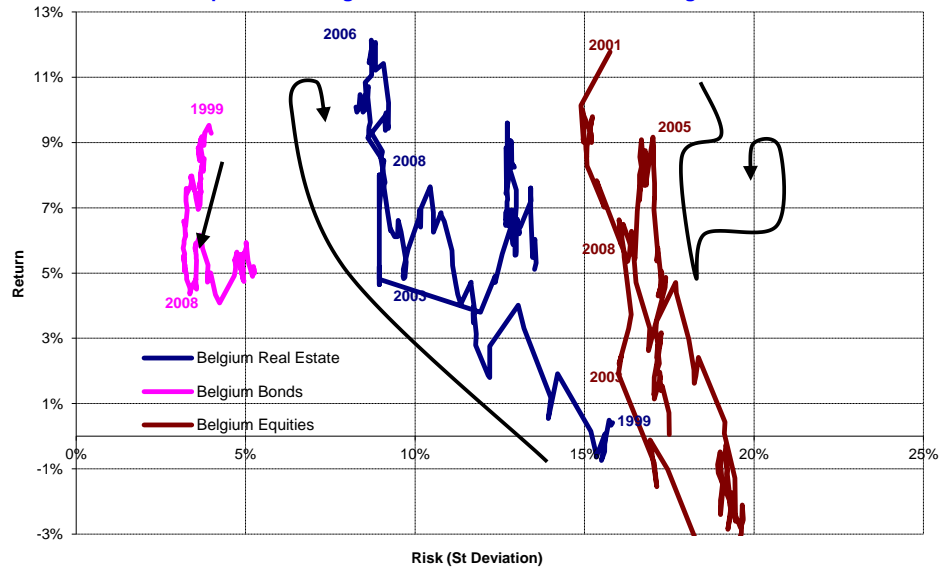
Graph 139: Long Term Beta Coefficient & Sharpe Ratio - Belgium



Graph 140: Equally Weighted Value-at-Risk - Belgium



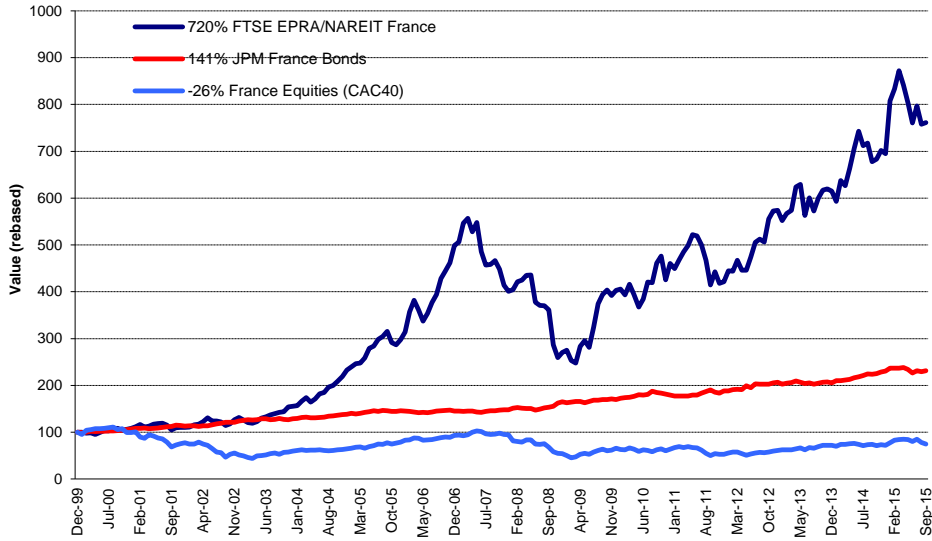
Graph 141: Rolling 10 Years Risk/Return Profiles - Belgium



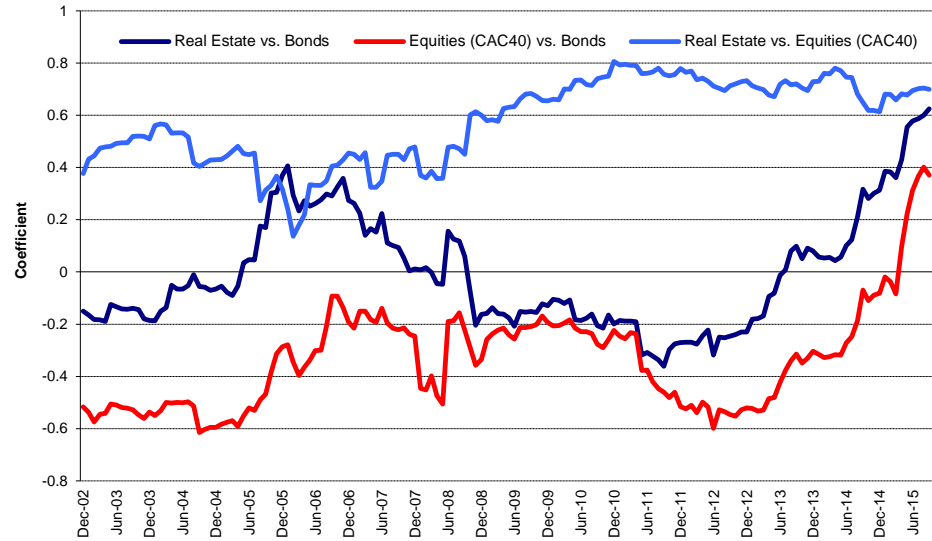
Section 6.6

France

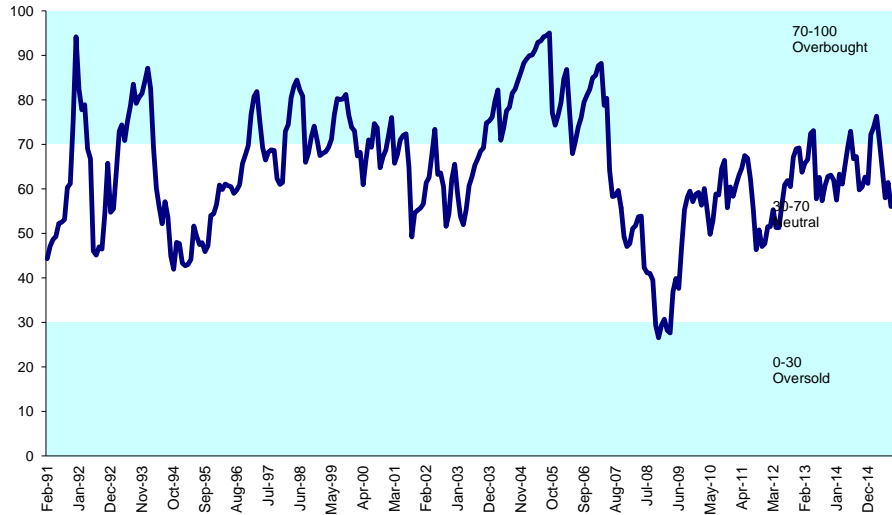
Graph 142: Bonds, Equities & Real Estate - France



Graph 143: Asset Classes Correlations - France



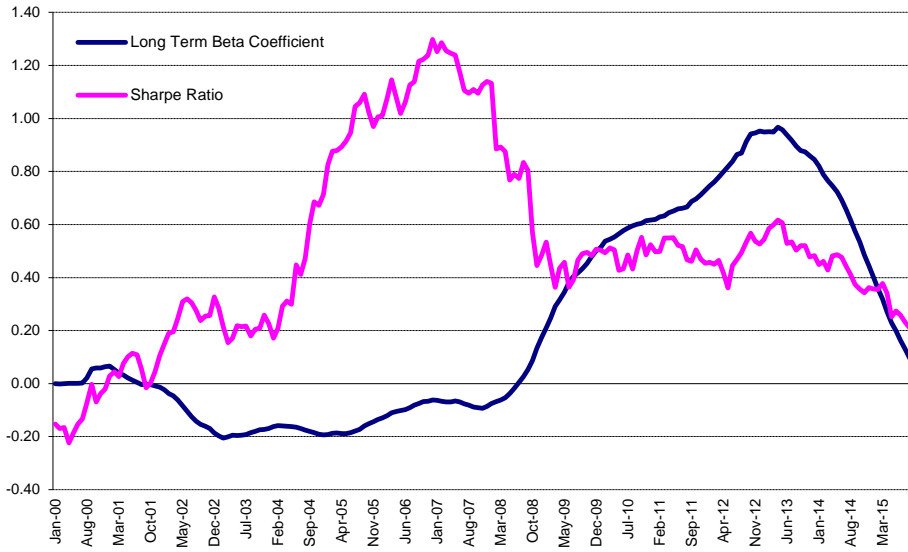
Graph 144: Relative Strength Indicator - France



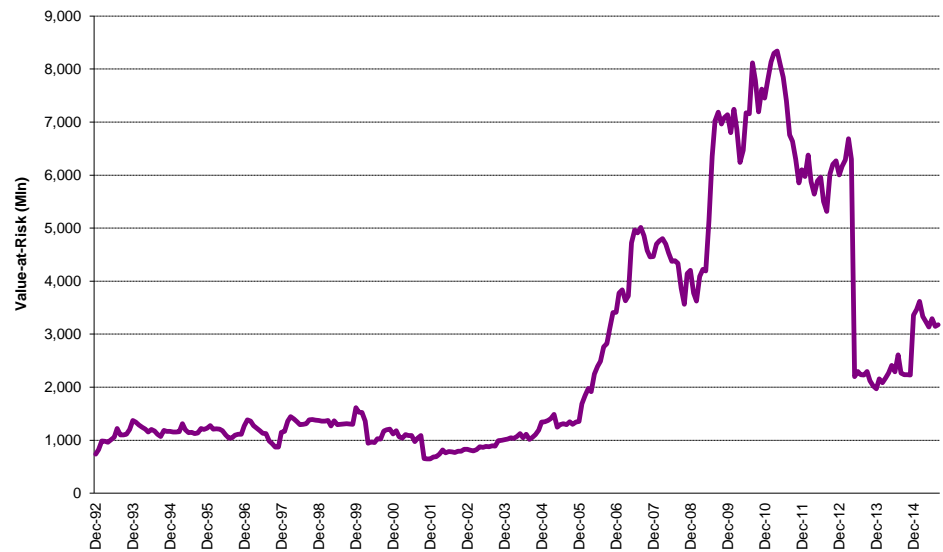
Graph 145: 12 Months Dividend Yields - France



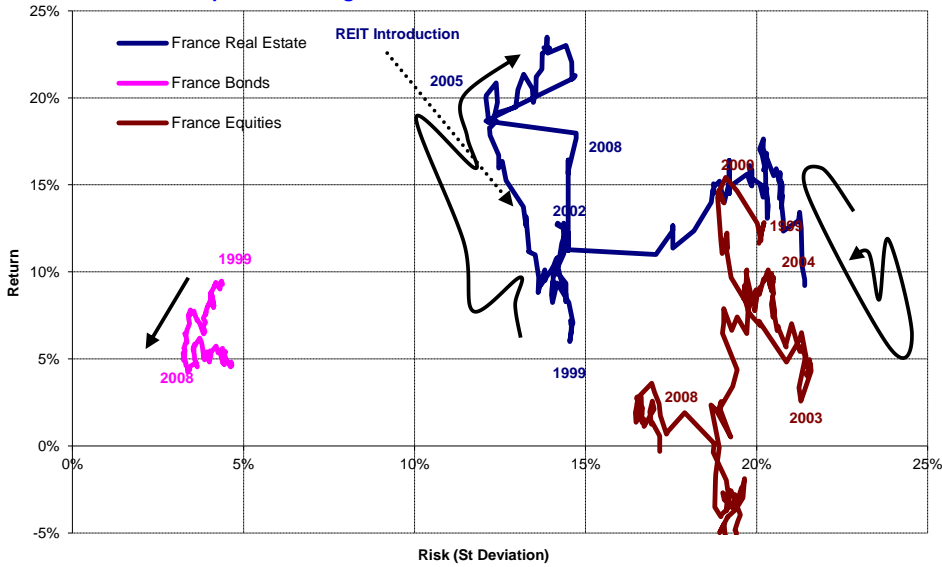
Graph 146: Long Term Beta Coefficient & Sharpe Ratio - France



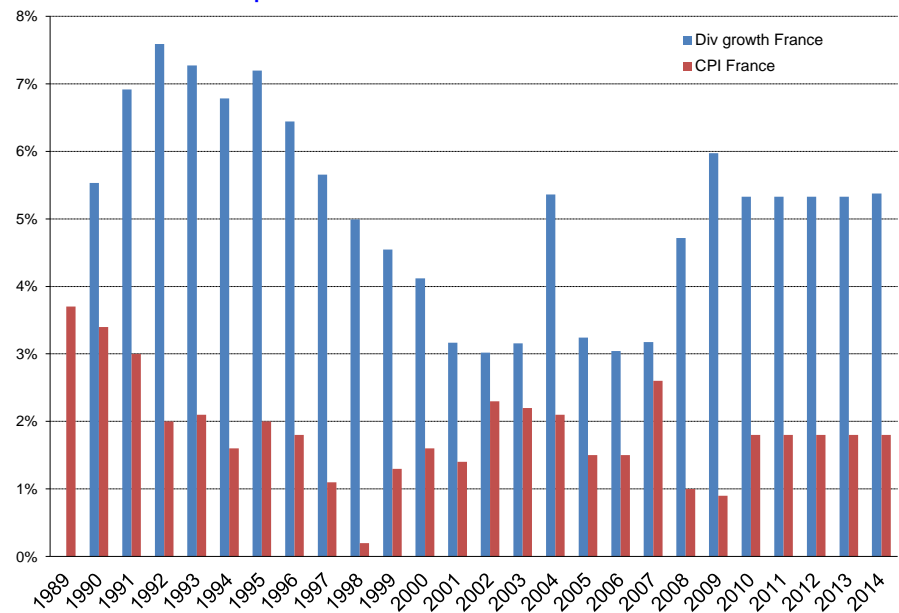
Graph 147: Equally Weighted Value-at-Risk - France



Graph 148: Rolling 10 Years Risk/Return Profiles - France



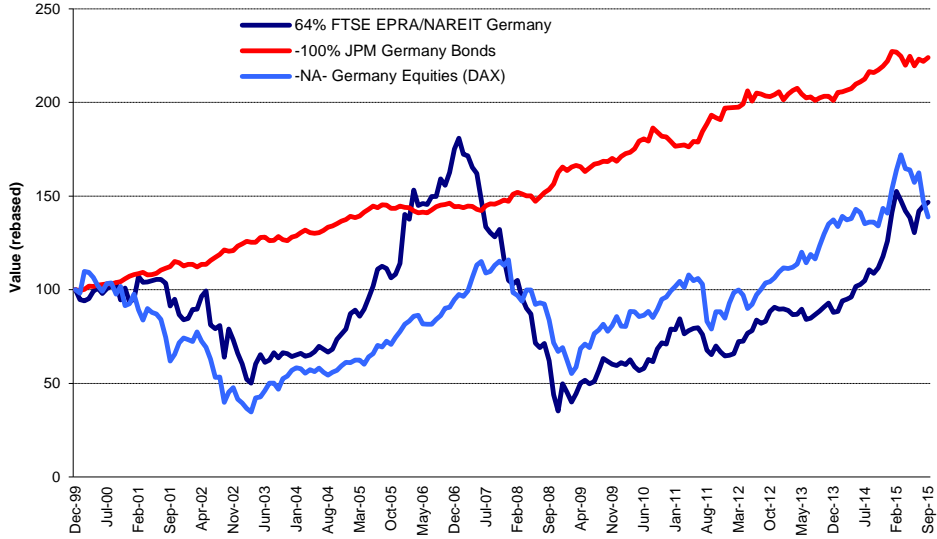
Graph 149: Dividend Growth vs. Inflation - France



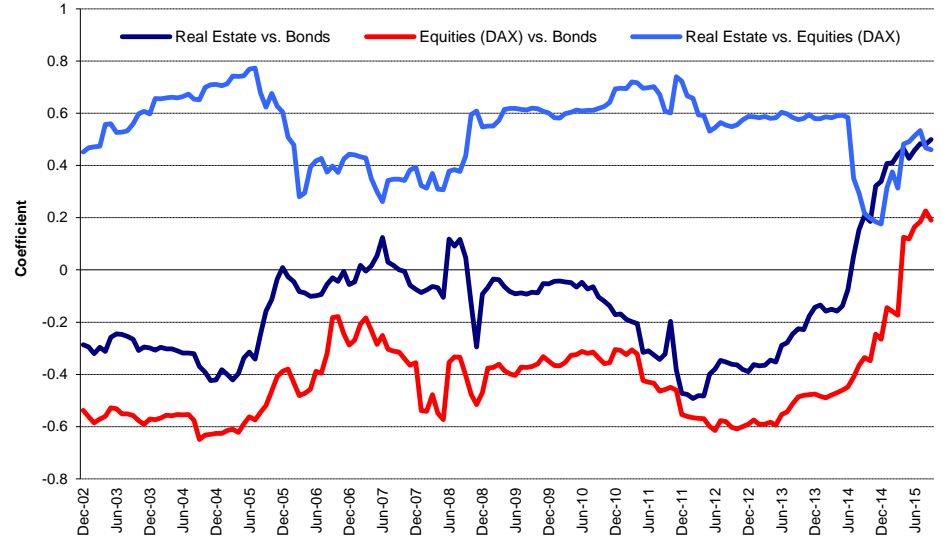
Section 6.7

Germany

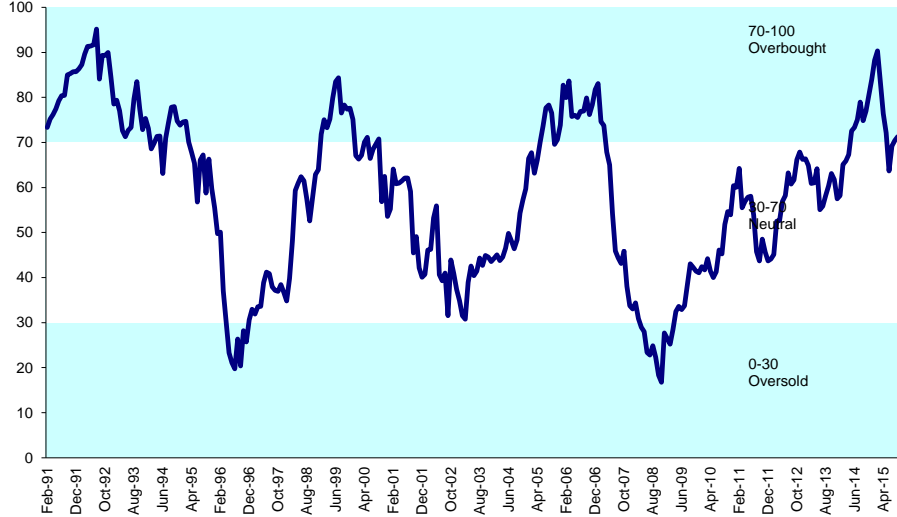
Graph 150: Bonds, Equities & Real Estate - Germany



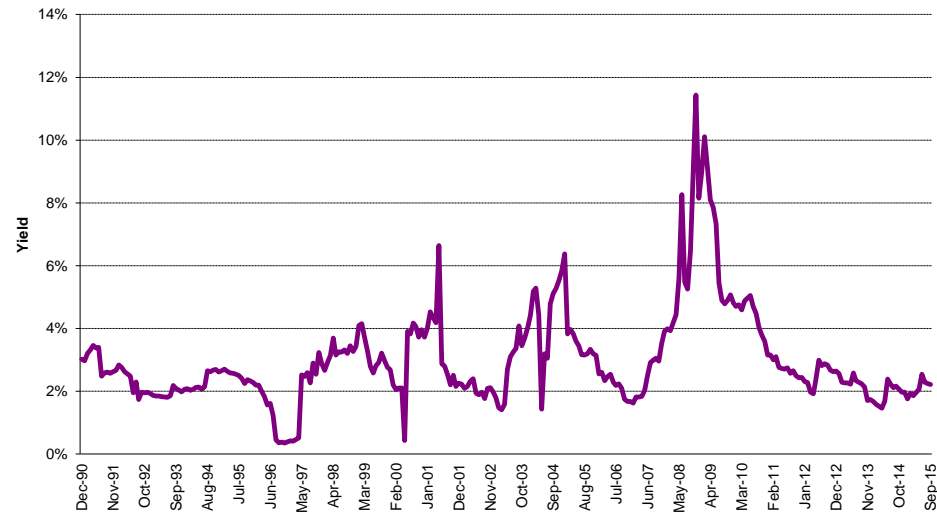
Graph 151: Asset Classes Correlations - Germany



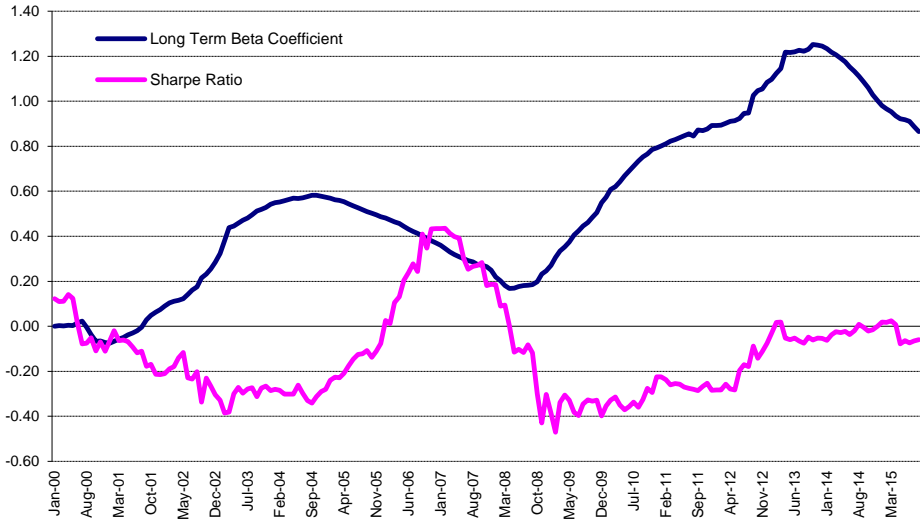
Graph 152: Relative Strength Indicator - Germany



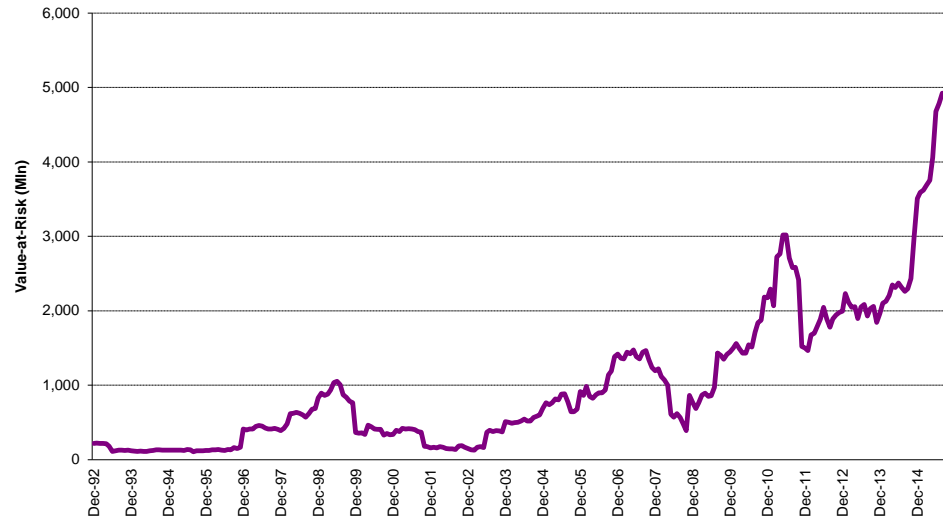
Graph 153: 12 Months Dividend Yields - Germany



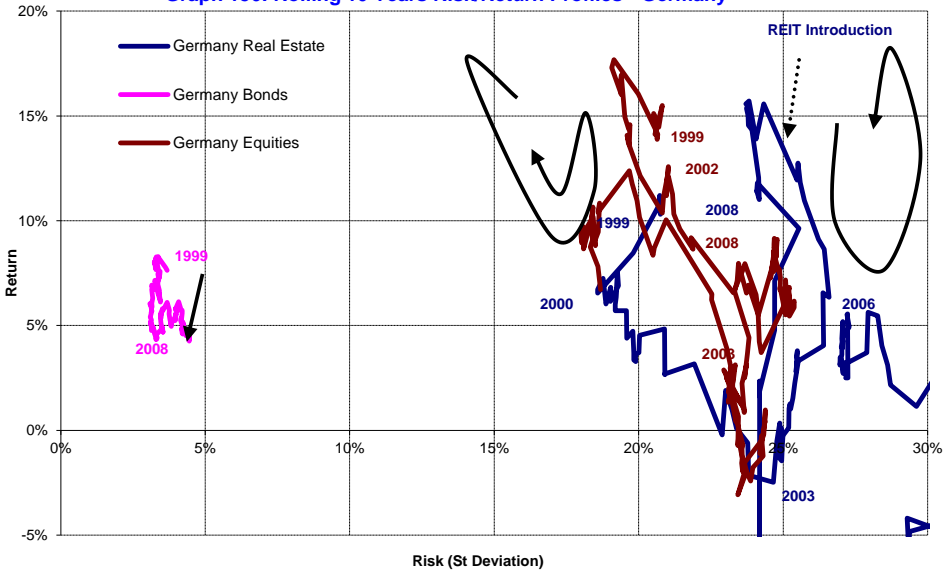
Graph 154: Long Term Beta Coefficient & Sharpe Ratio - Germany



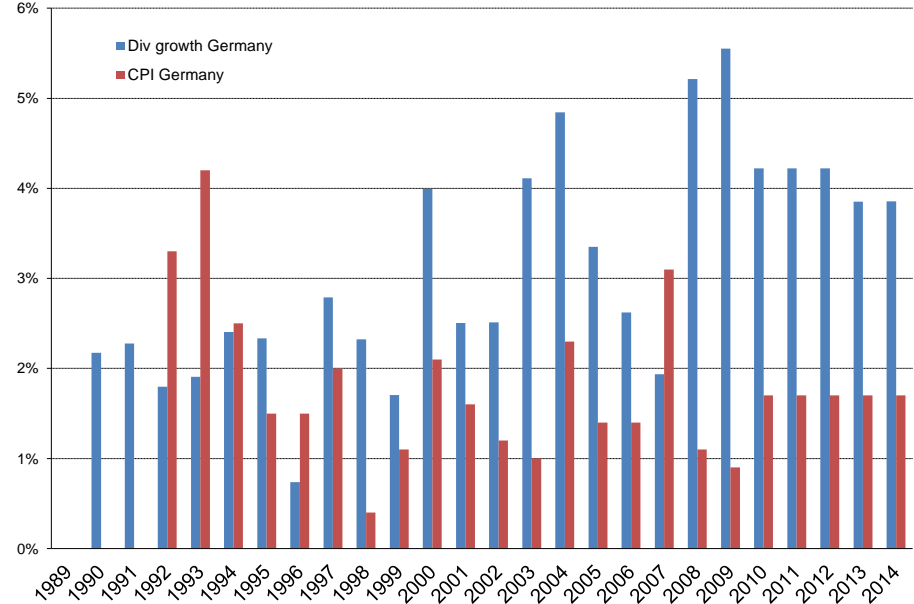
Graph 155: Equally Weighted Value-at-Risk - Germany



Graph 156: Rolling 10 Years Risk/Return Profiles - Germany



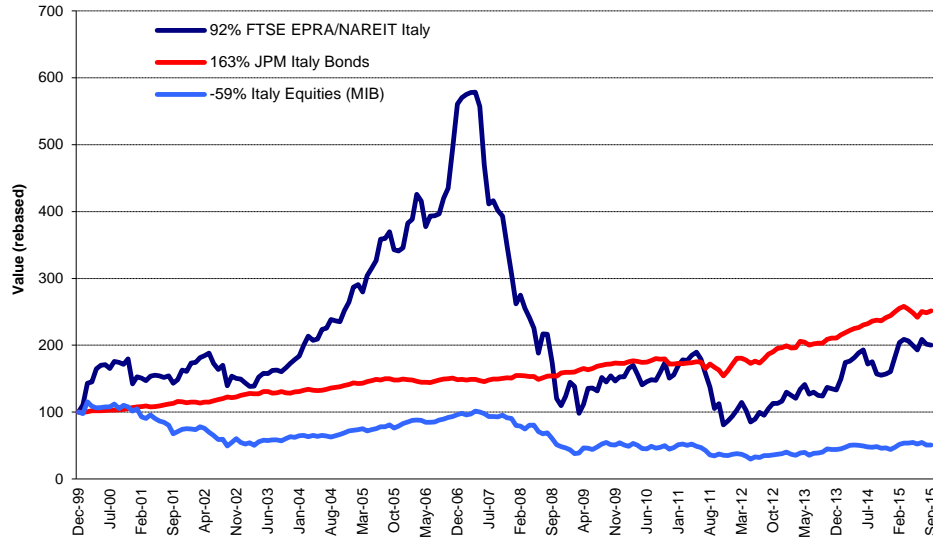
Graph 157: Dividend Growth vs. Inflation - Germany



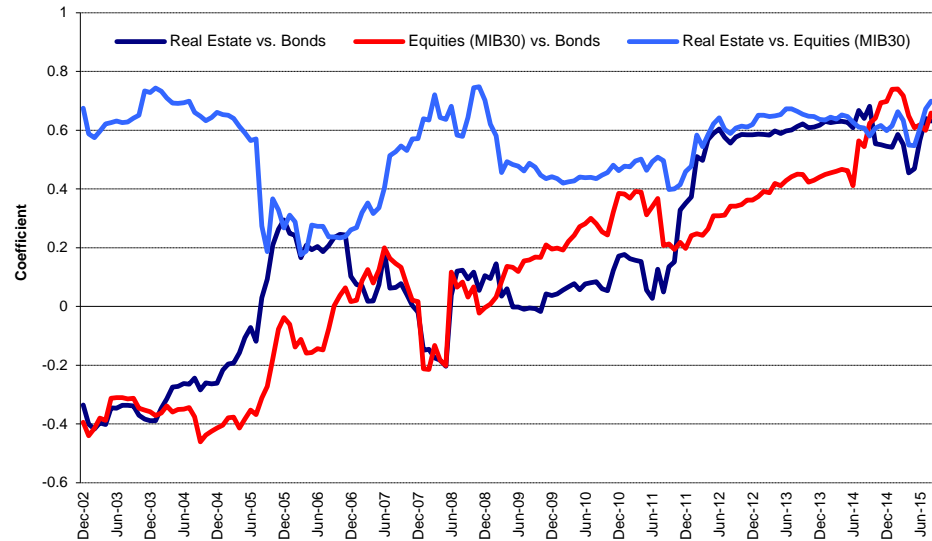
Section 6.8

Italy

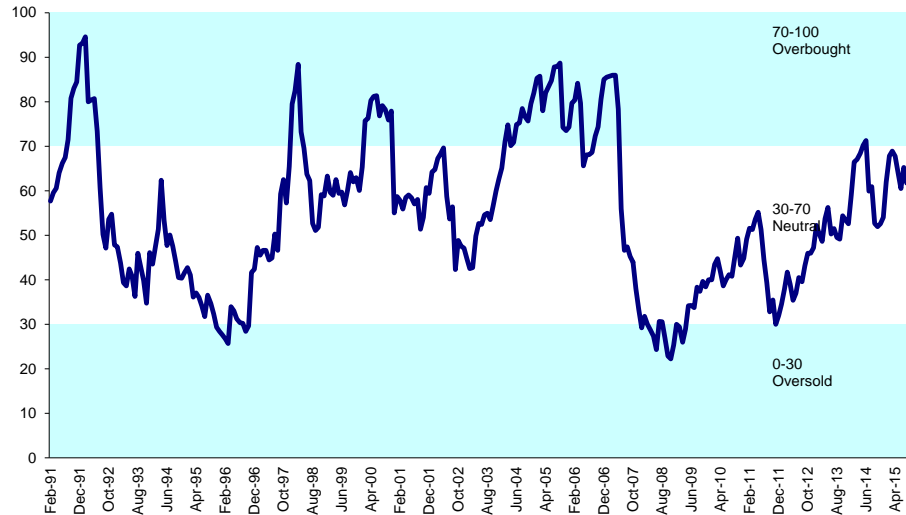
Graph 158: Bonds, Equities & Real Estate - Italy



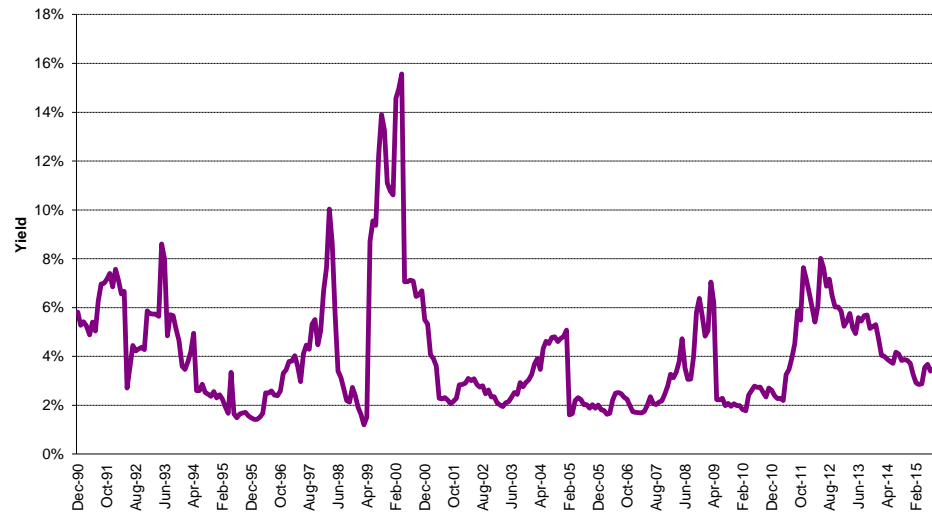
Graph 159: Asset Classes Correlations - Italy



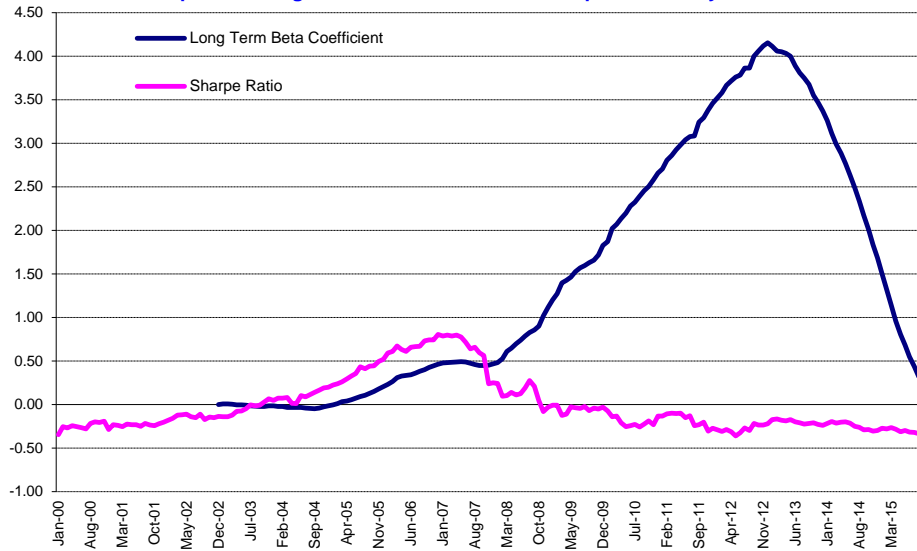
Graph 160: Relative Strength Indicator - Italy



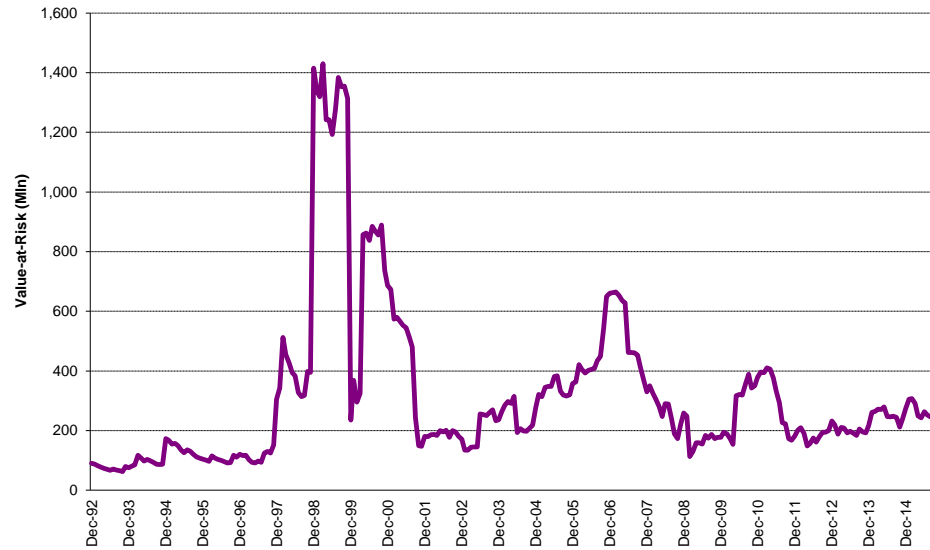
Graph 161: 12 Months Dividend Yields - Italy



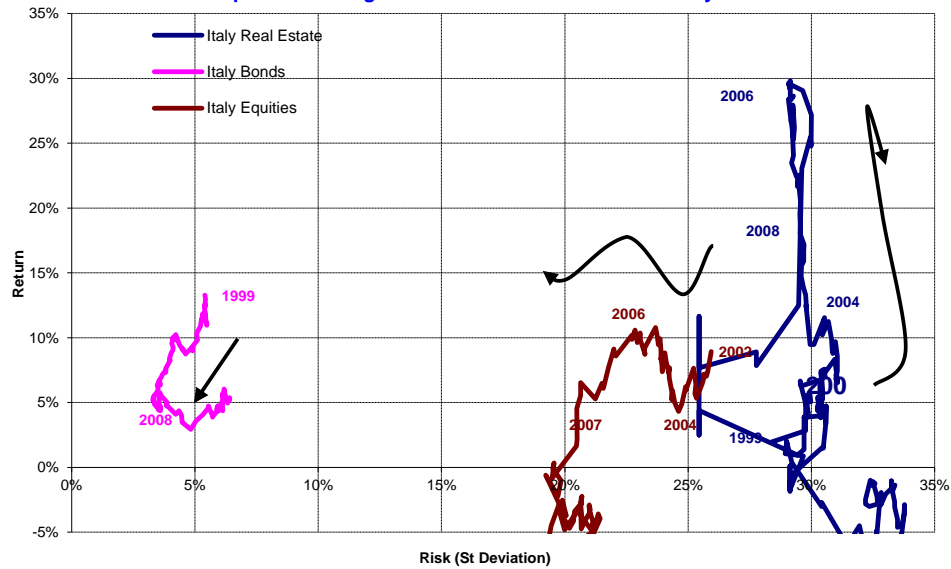
Graph 162: Long Term Beta Coefficient & Sharpe Ratio - Italy



Graph 163: Equally Weighted Value-at-Risk - Italy



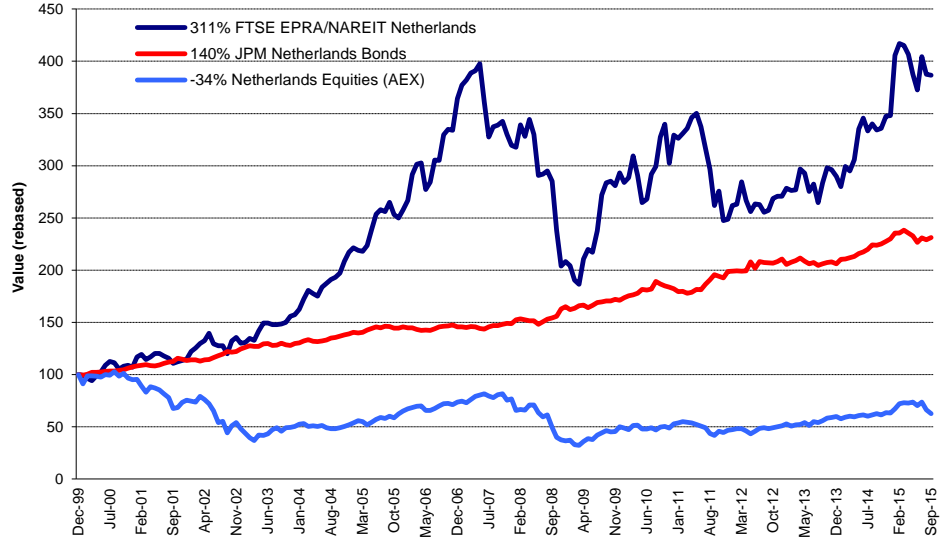
Graph 164: Rolling 10 Years Risk/Return Profiles - Italy



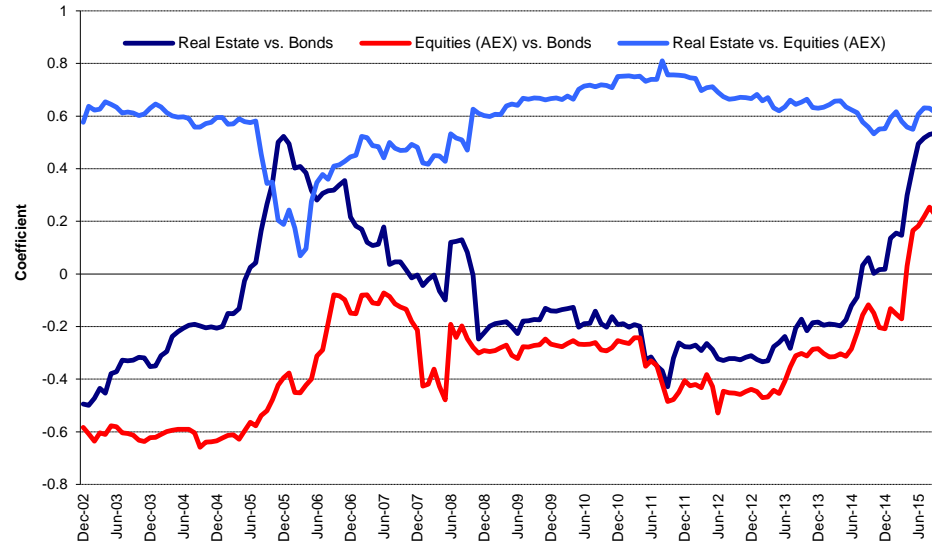
Section 6.9

Netherlands

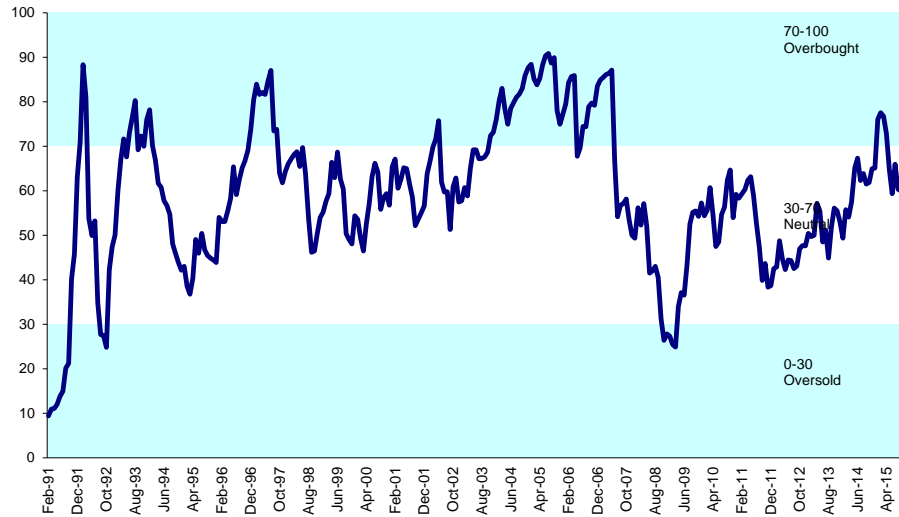
Graph 165: Bonds, Equities & Real Estate - Netherlands



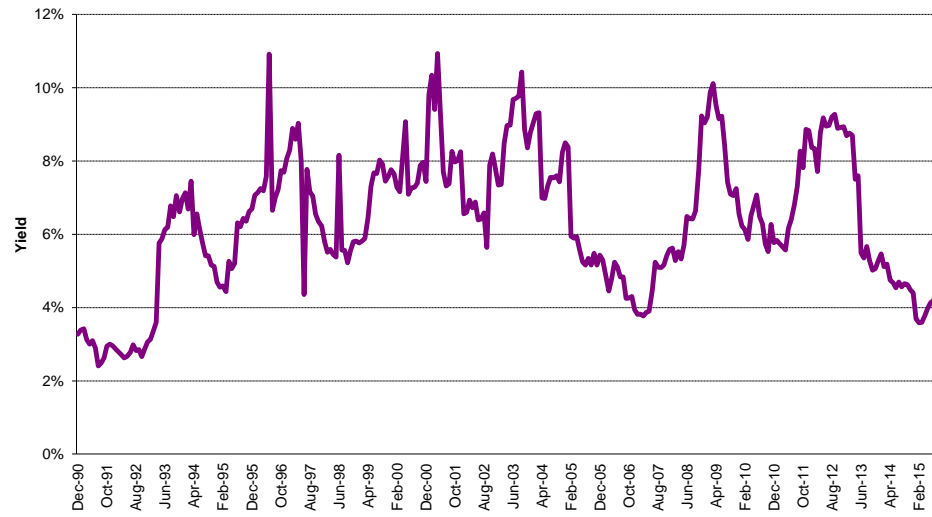
Graph 166: Asset Classes Correlations - Netherlands



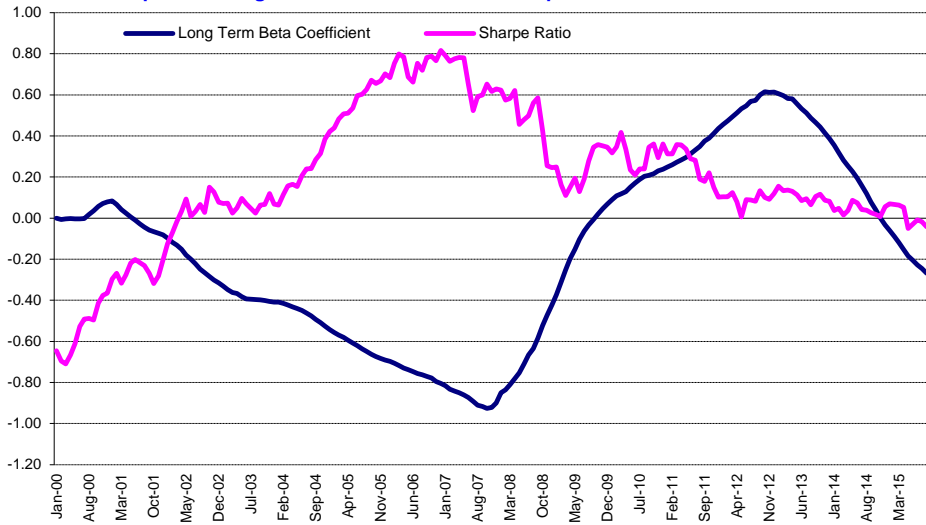
Graph 167: Relative Strength Indicator - Netherlands



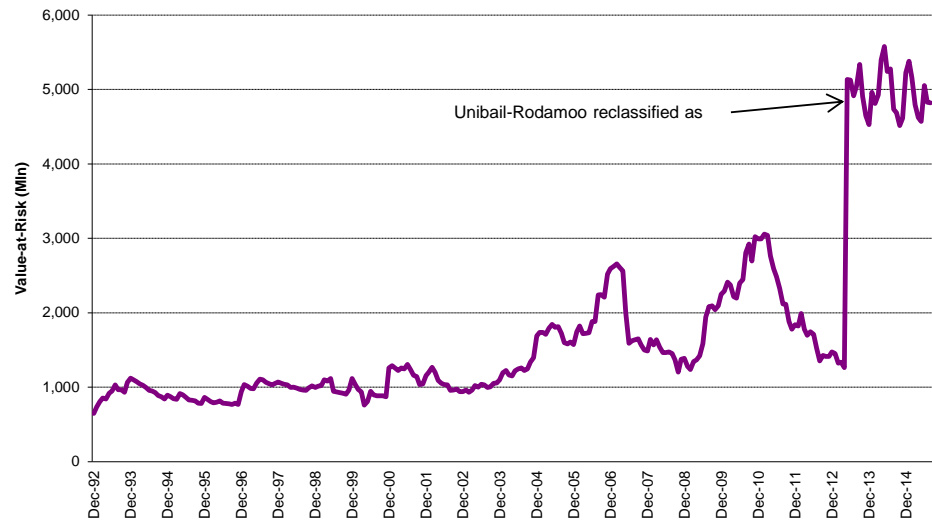
Graph 168: 12 Months Dividend Yields - Netherlands



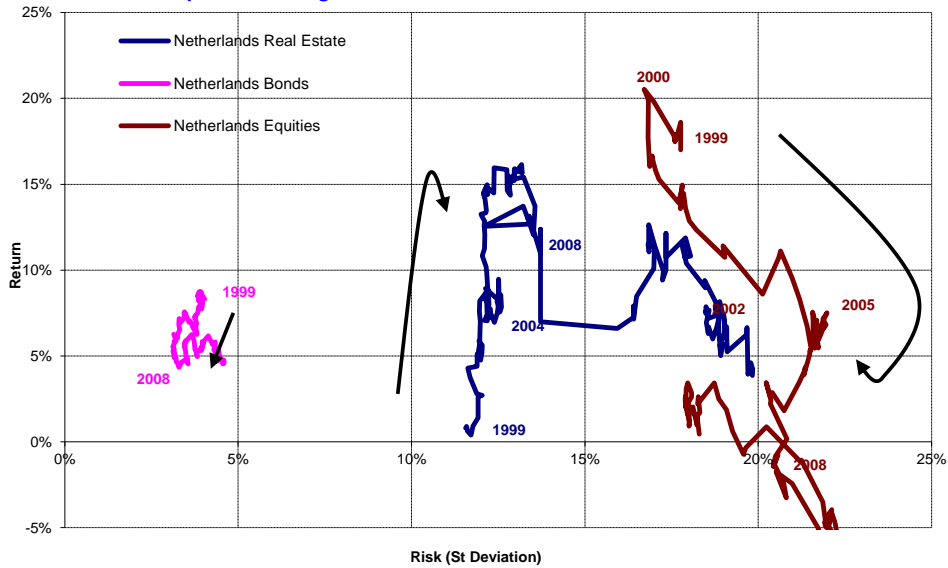
Graph 169: Long Term Beta Coefficient & Sharpe Ratio - Netherlands



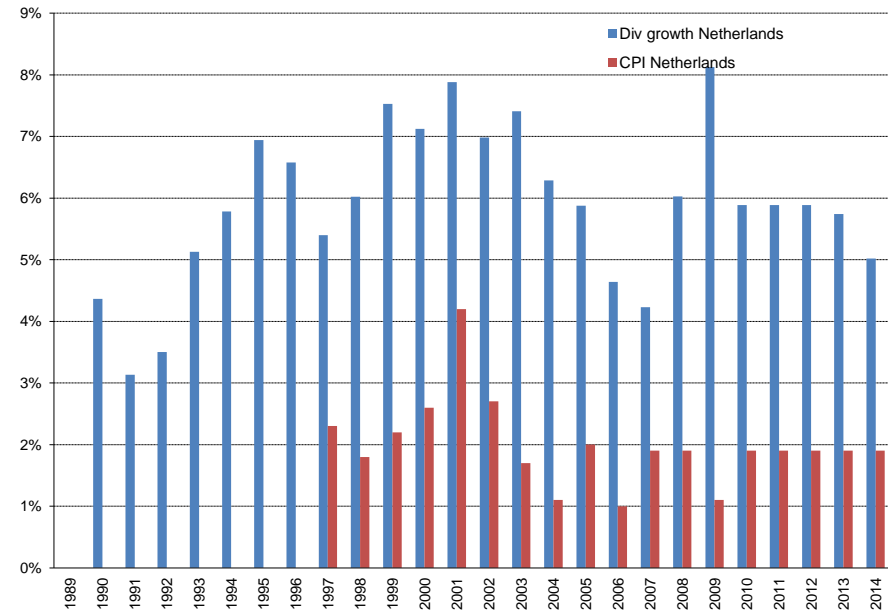
Graph 170: Equally Weighted Value-at-Risk - Netherlands



Graph 171: Rolling 10 Years Risk/Return Profiles - Netherlands



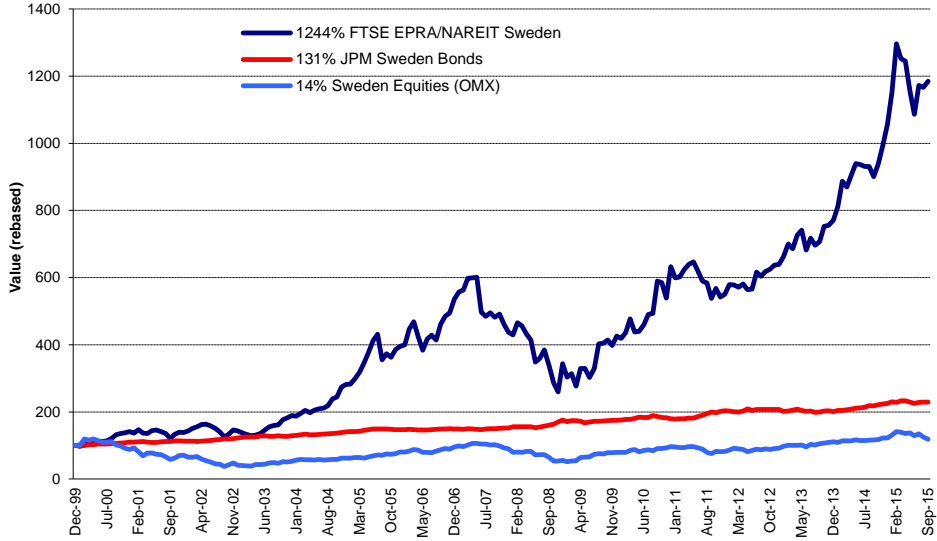
Graph 172: Dividend Growth vs. Inflation - Netherlands



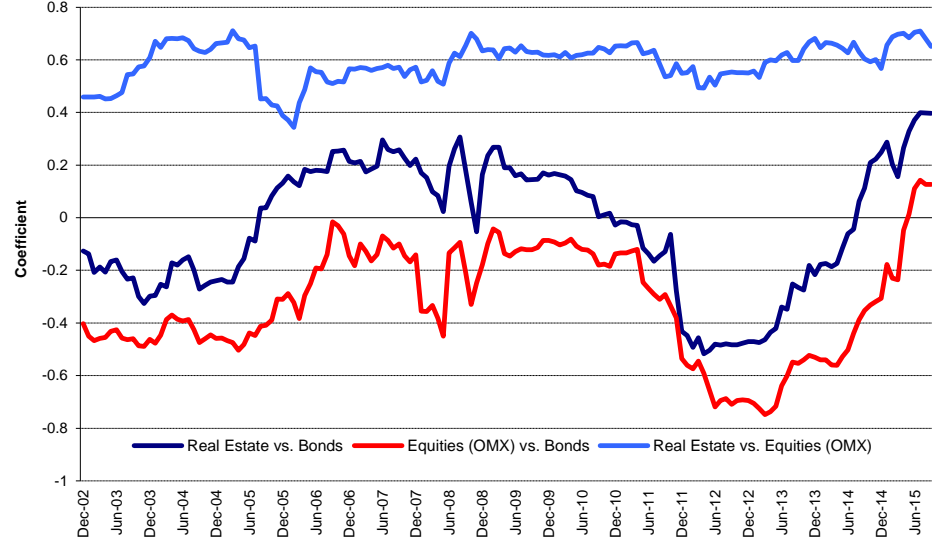
Section 6.10

Sweden

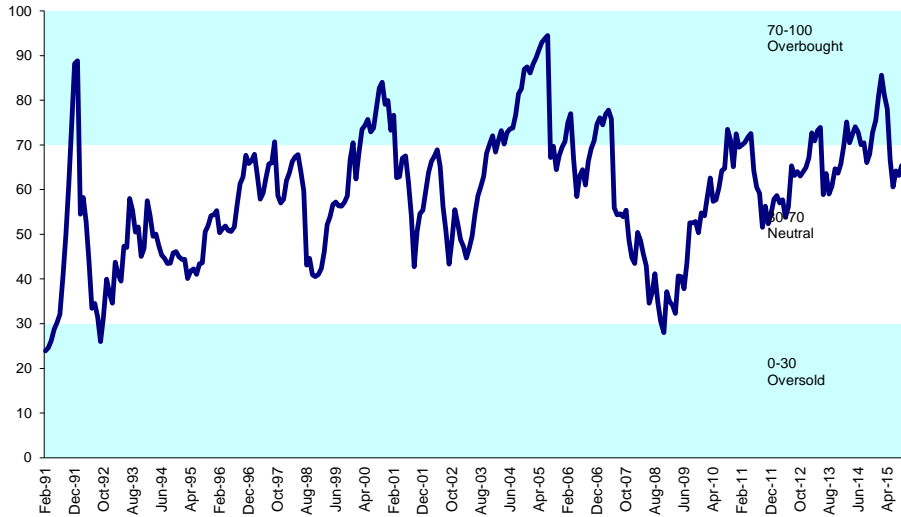
Graph 173: Bonds, Equities & Real Estate - Sweden



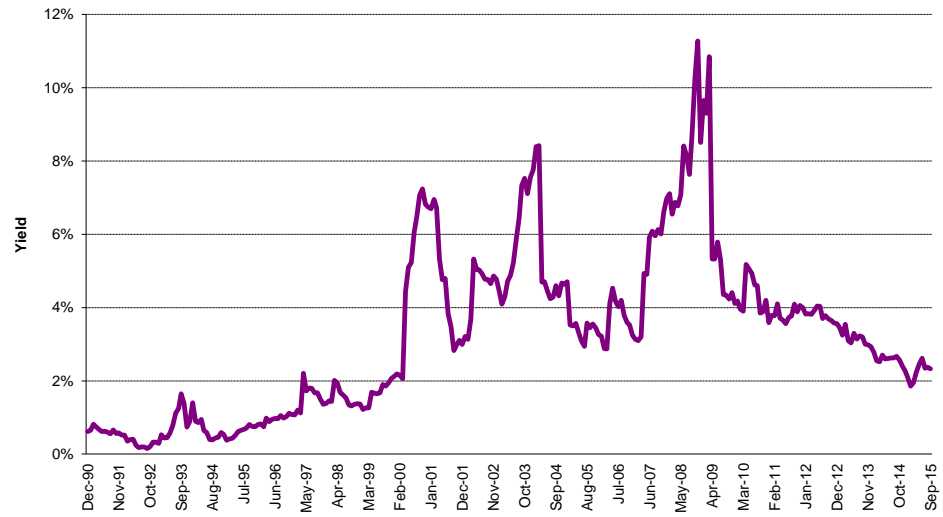
Graph 174: Asset Classes Correlations - Sweden



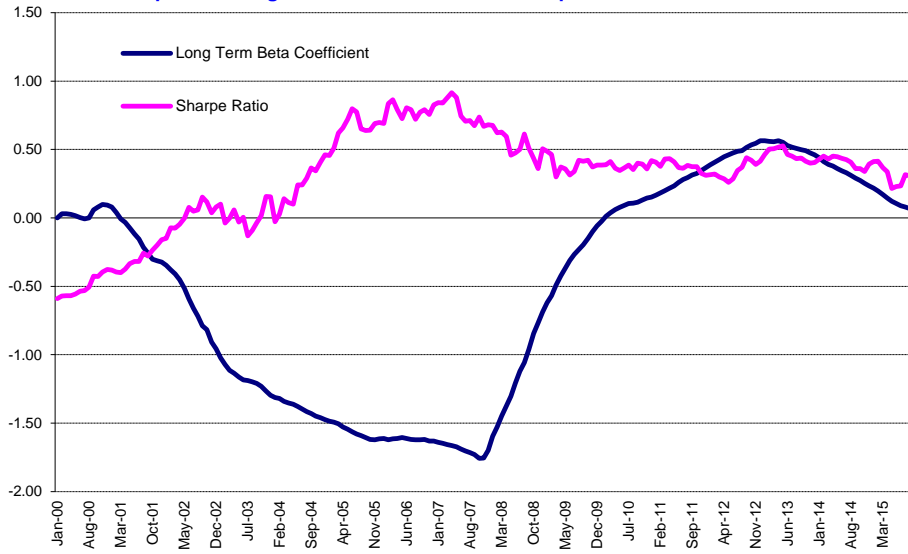
Graph 175: Relative Strength Indicator - Sweden



Graph 176: 12 Months Dividend Yields - Sweden



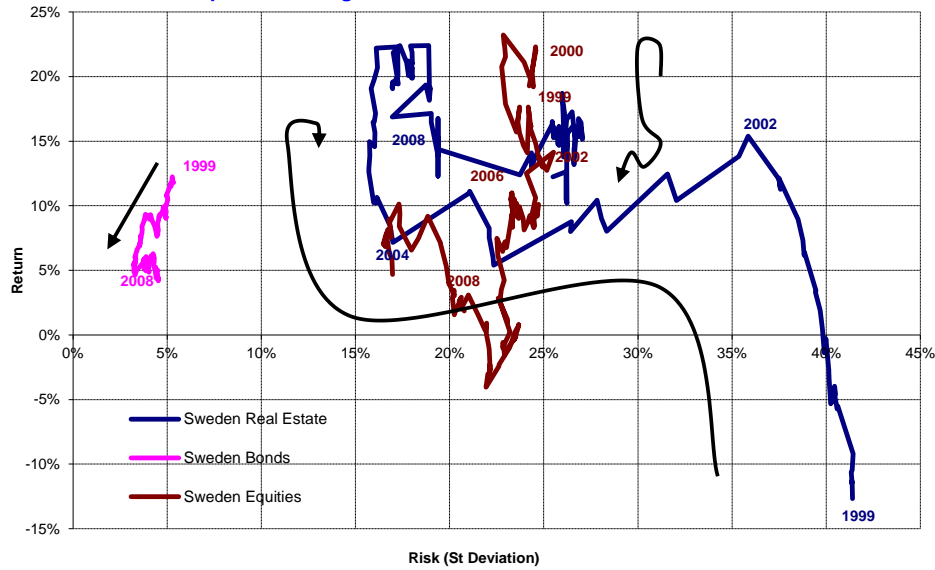
Graph 177: Long Term Beta Coefficient & Sharpe Ratio - Sweden



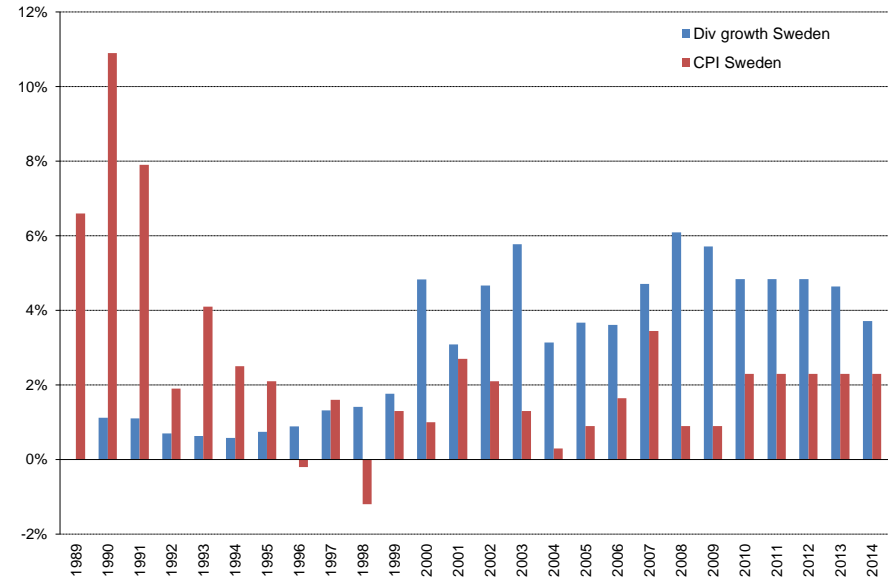
Graph 178: Equally Weighted Value-at-Risk - Sweden



Graph 179: Rolling 10 Years Risk/Return Profiles - Sweden



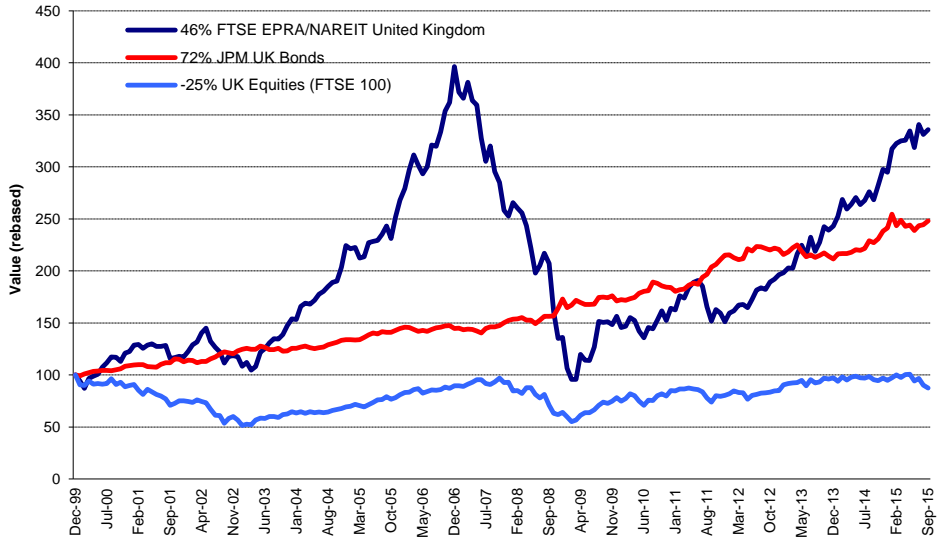
Graph 180: Dividend Growth vs. Inflation - Sweden



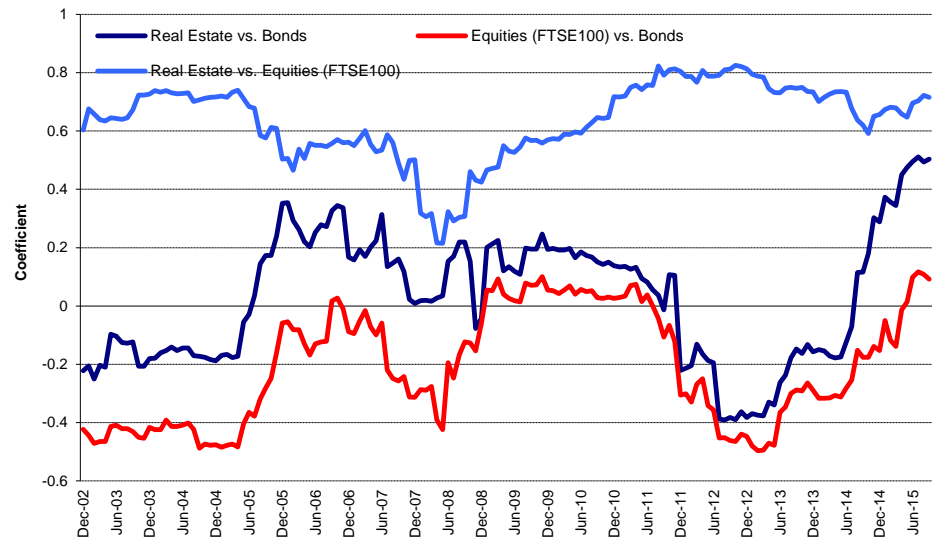
Section 6.11

United Kingdom

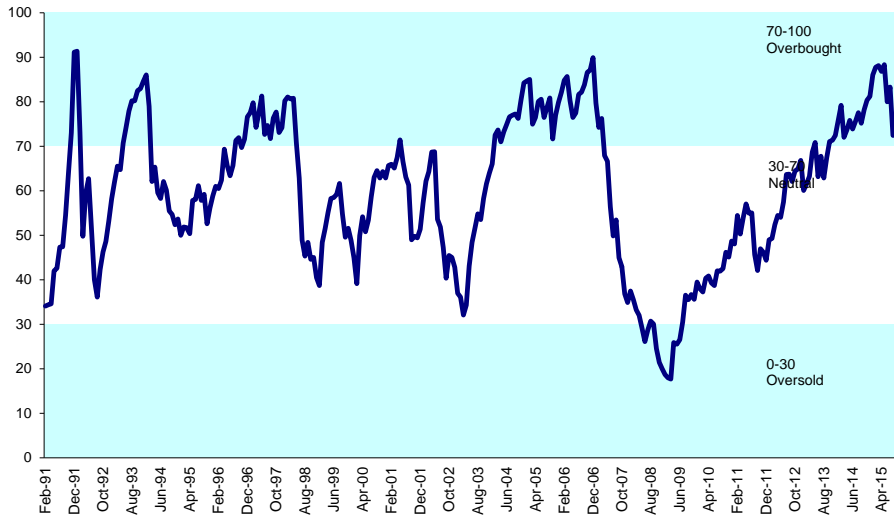
Graph 181: Bonds, Equities & Real Estate - United Kingdom



Graph 182: Asset Classes Correlations - United Kingdom



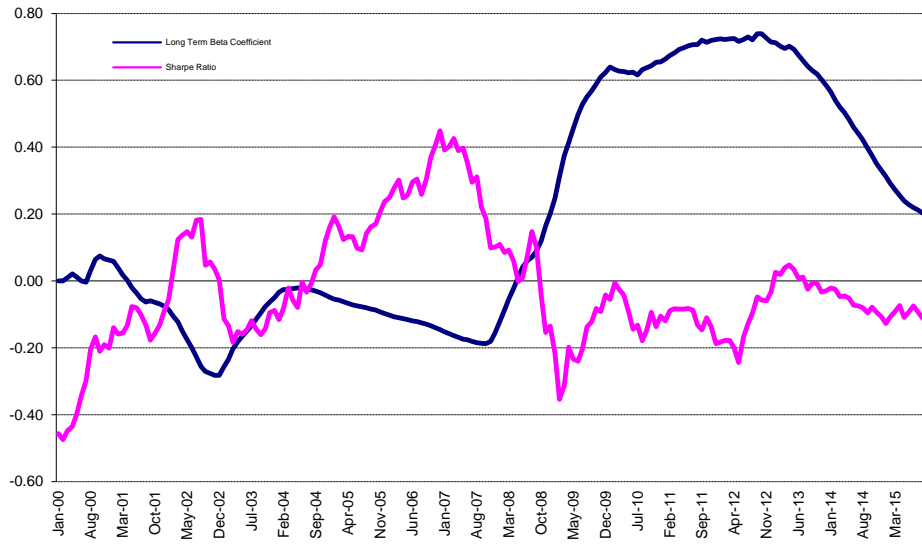
Graph 183: Relative Strength Indicator - United Kingdom



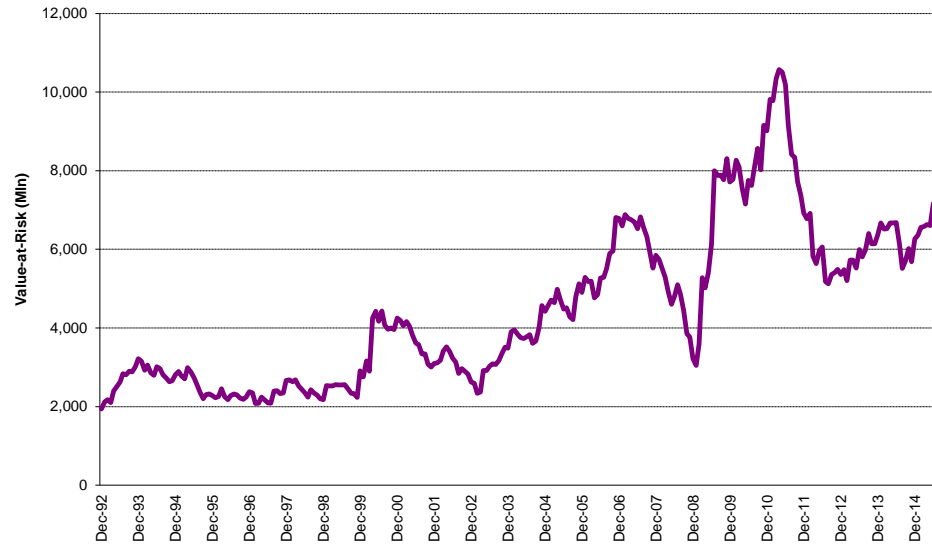
Graph 184: 12 Months Dividend Yields - United Kingdom



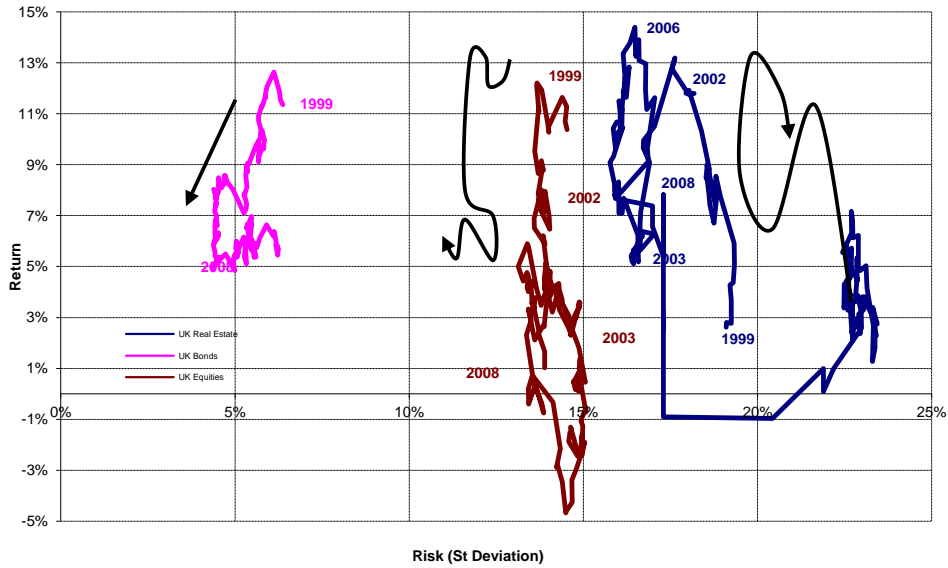
Graph 185: Long Term Beta Coefficient & Sharpe Ratio - United Kingdom



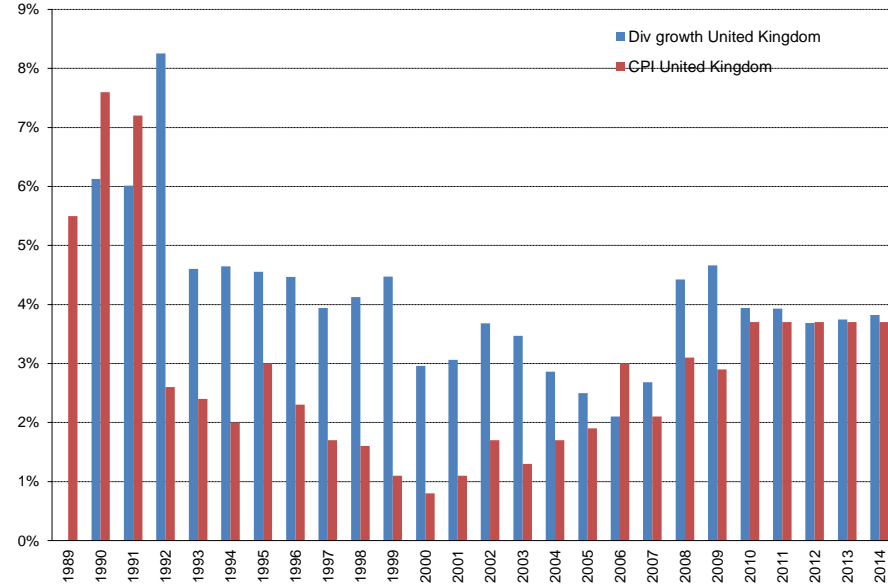
Graph 186: Equally Weighted Value-at-Risk - United Kingdom



Graph 187: Rolling 10 Years Risk/Return Profiles - United Kingdom



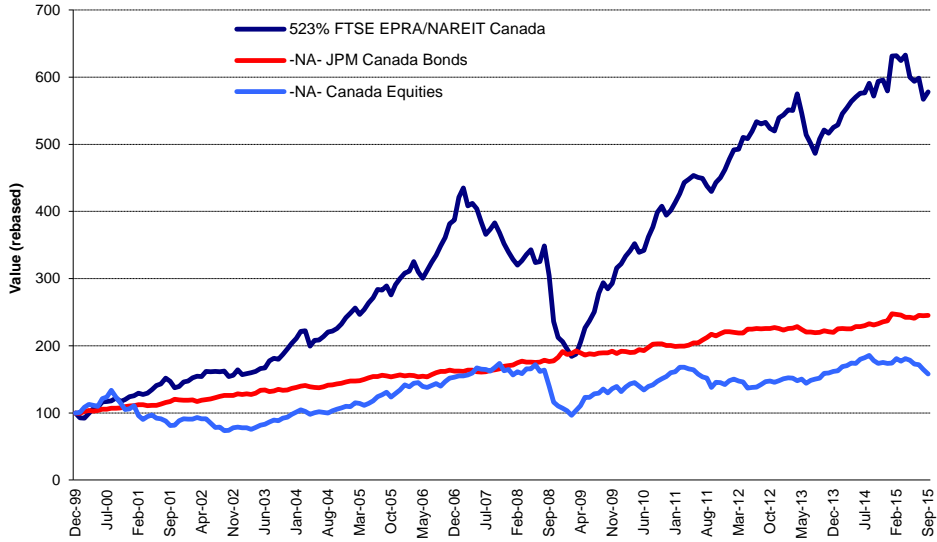
Graph 188: Dividend Growth vs. Inflation - United Kingdom



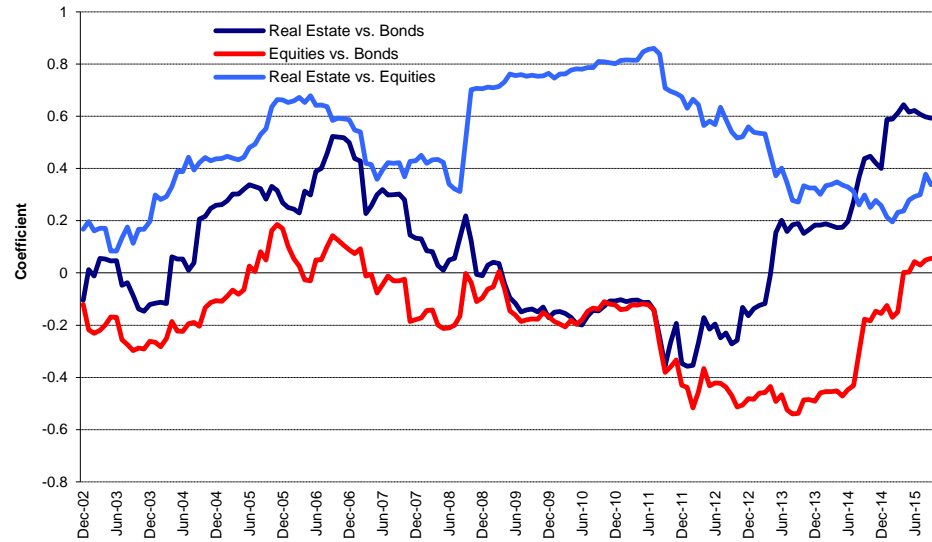
Section 6.12

Canada

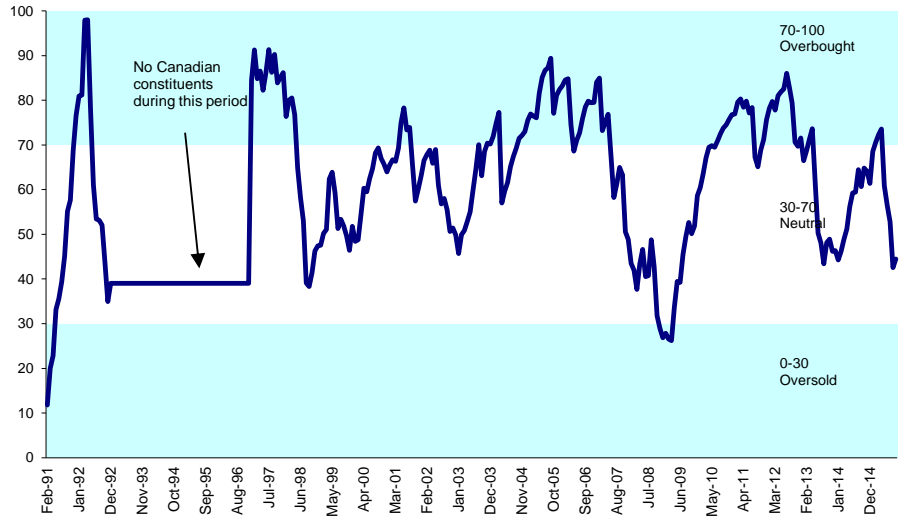
Graph 189: Bonds, Equities & Real Estate - Canada



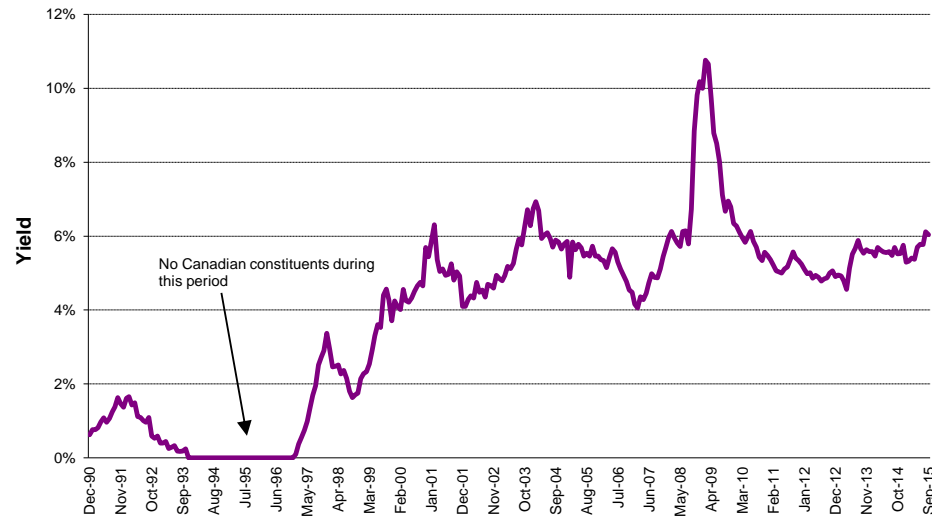
Graph 190: Asset Classes Correlations - Canada



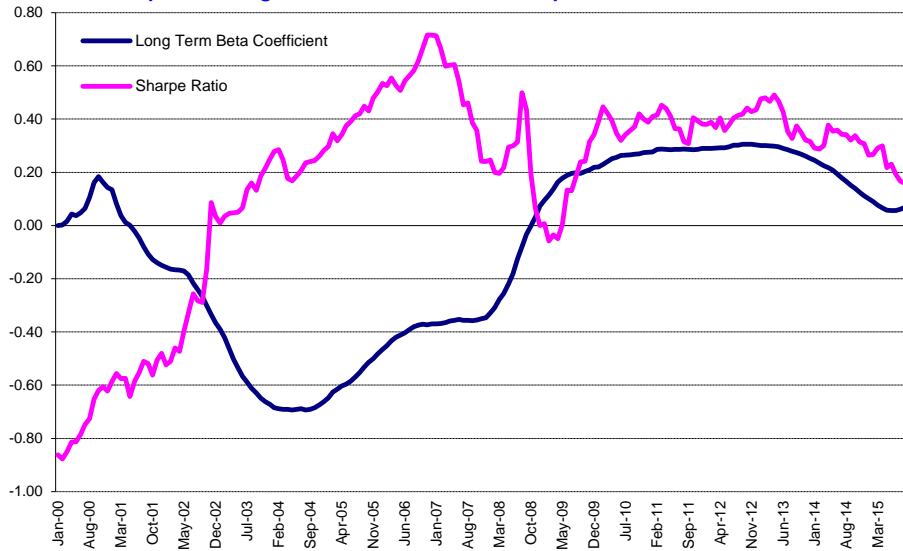
Graph 191: Relative Strength Indicator - Canada



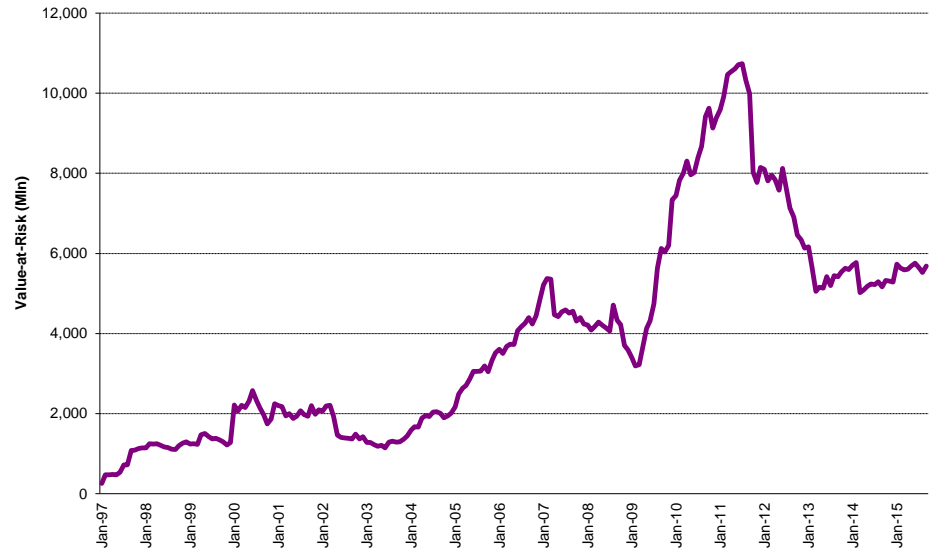
Graph 192: 12 Months Dividend Yields - Canada



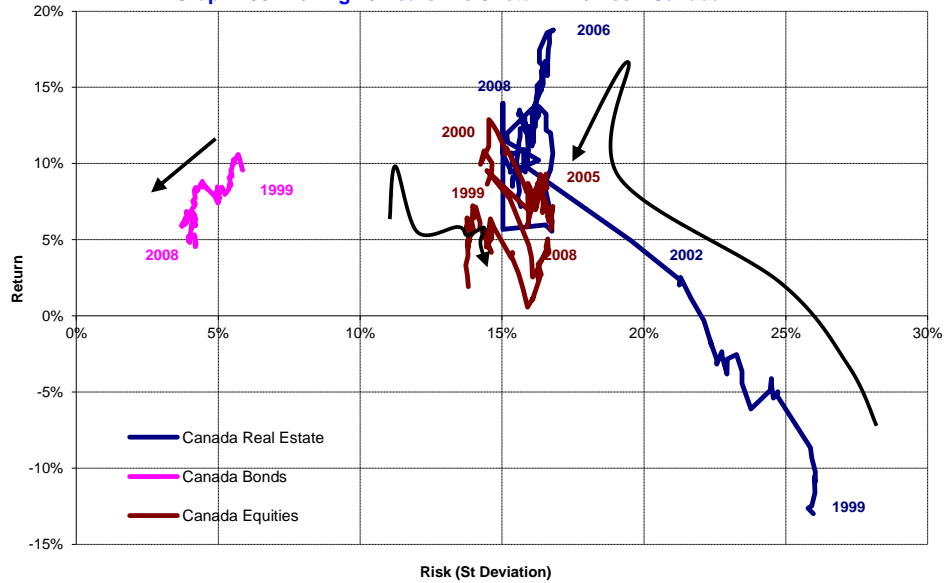
Graph 193: Long Term Beta Coefficient & Sharpe Ratio - Canada



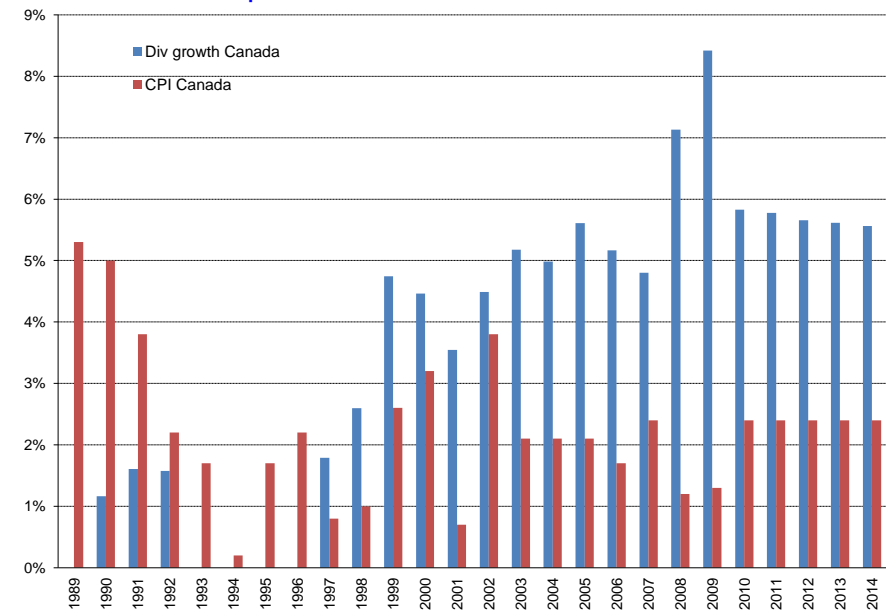
Graph 194: Equally Weighted Value-at-Risk - Canada



Graph 195: Rolling 10 Years Risk/Return Profiles - Canada



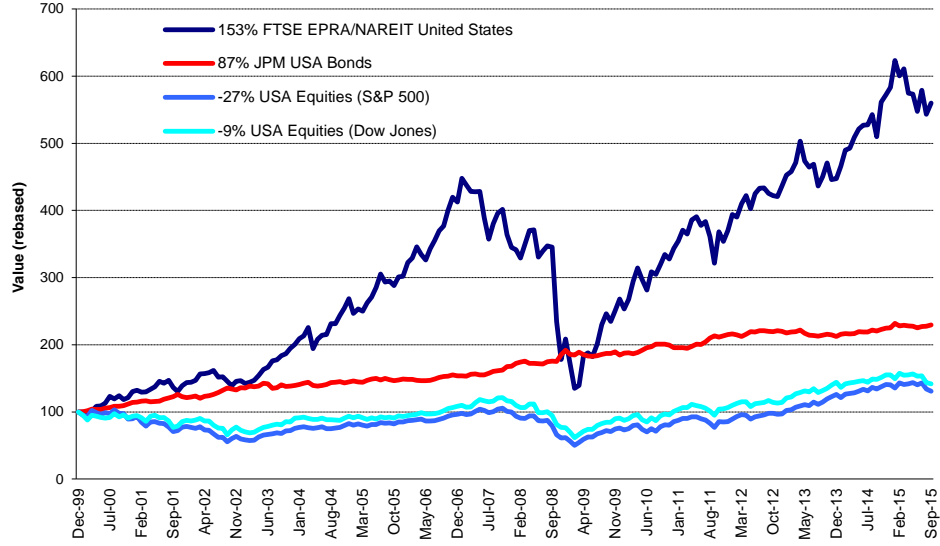
Graph 196: Dividend Growth vs. Inflation - Canada



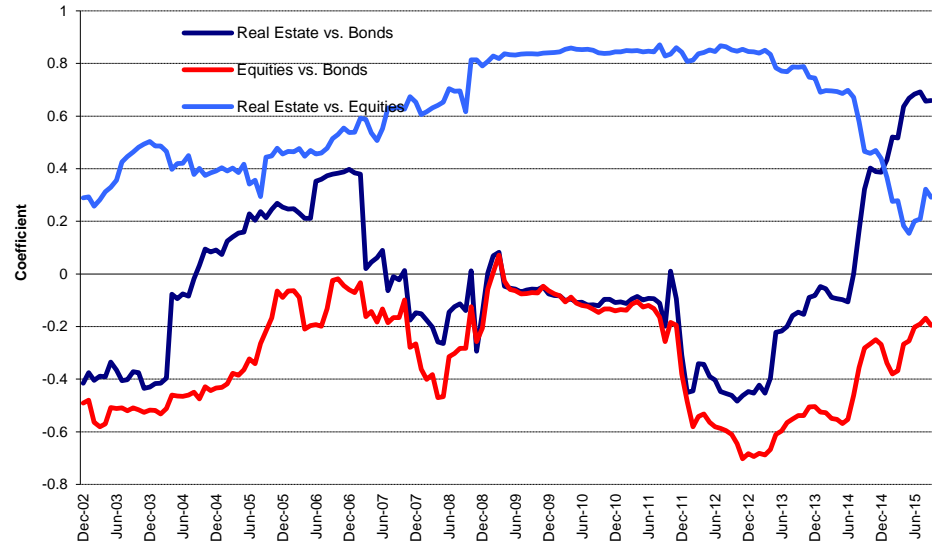
Section 6.13

United States

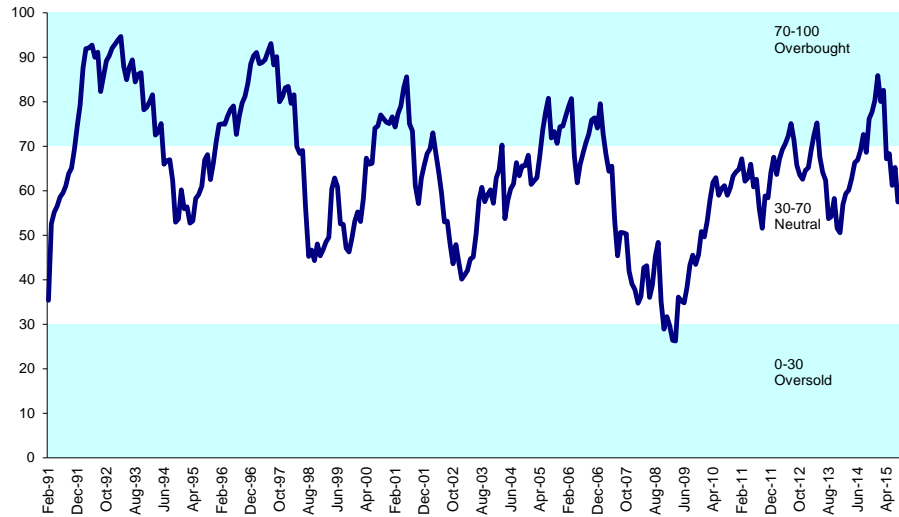
Graph 197: Bonds, Equities & Real Estate - United States



Graph 198: Asset Classes Correlations - United States



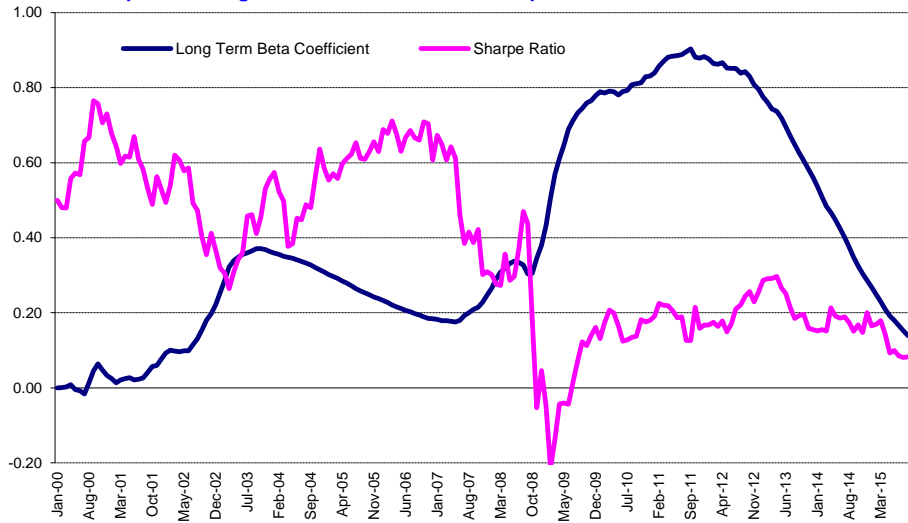
Graph 199: Relative Strength Indicator - United States



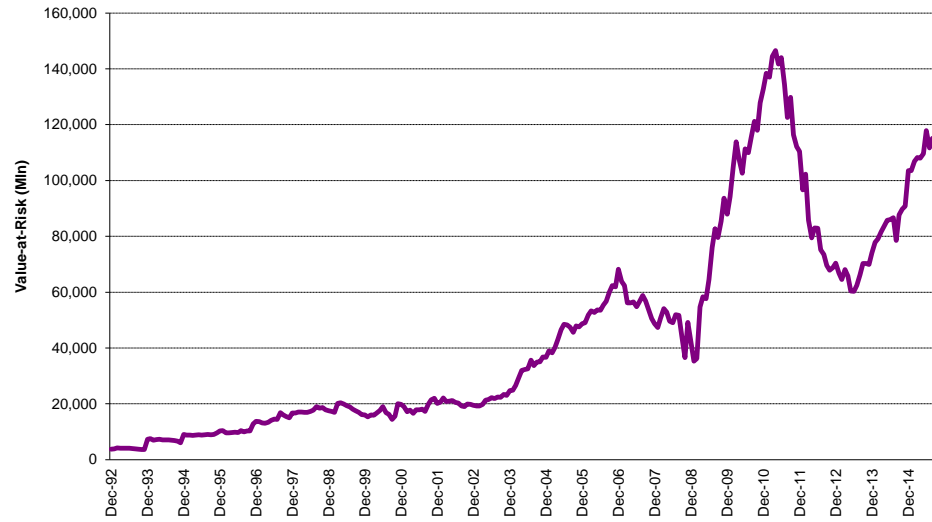
Graph 200: 12 Months Dividend Yields - United States



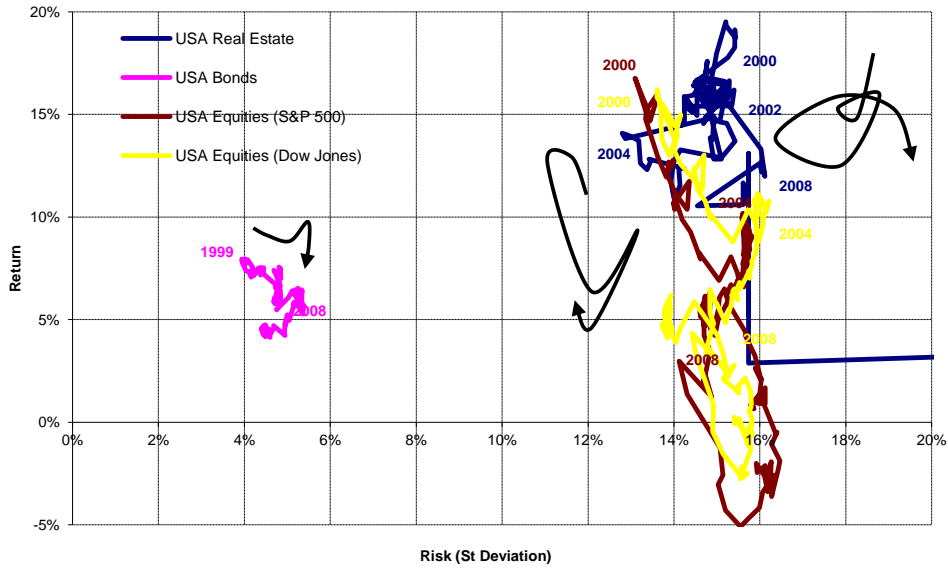
Graph 201: Long Term Beta Coefficient & Sharpe Ratio - United States



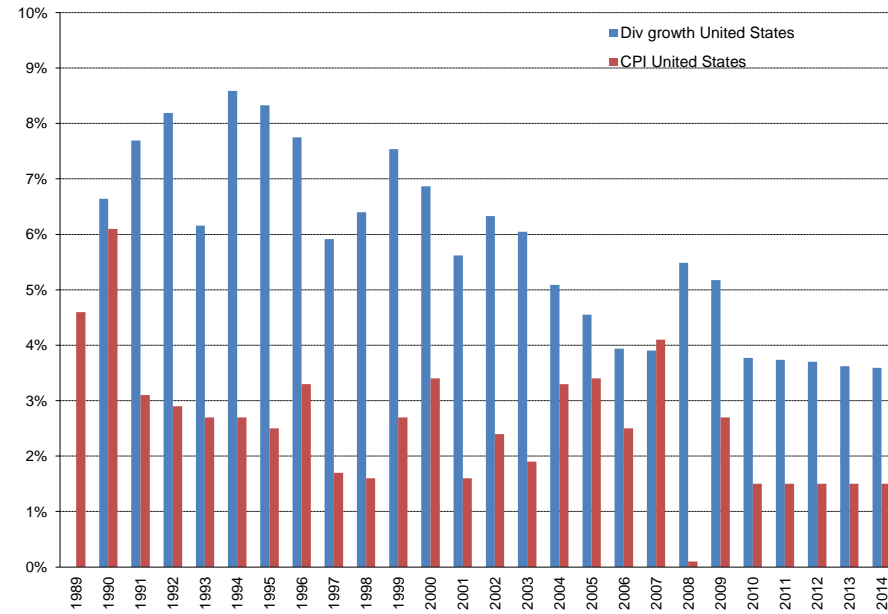
Graph 202: Equally Weighted Value-at-Risk - United States



Graph 203: Rolling 10 Years Risk/Return Profiles - United States



Graph 204: Dividend Growth vs. Inflation - United States



Section 7

End-of-Year Constituent Chart

Number of Constituents - Developed Markets

Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Australia	5	5	6	5	8	7	9	14	18	19	19	17	24	23	22	15	25	30	23	12	14	15	14	13	14	13	13
Japan	9	9	10	8	11	11	11	11	8	7	9	8	6	8	7	17	21	26	23	21	22	20	21	28	32	36	40
Hong Kong	17	17	17	26	35	25	19	29	34	19	20	17	15	10	9	11	13	25	21	21	24	22	21	18	18	13	14
New Zealand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Singapore	3	3	3	5	8	7	6	6	5	5	6	5	4	3	3	9	10	13	11	9	13	15	14	16	18	14	11
Asia	34	34	36	44	62	50	45	60	65	50	54	47	49	44	41	52	70	95	79	64	74	73	71	76	83	77	79
Austria	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	5	6	5	2	2	2	2	2	2	3	3
Belgium	1	1	2	2	2	2	3	3	4	3	4	2	1	2	2	4	5	6	6	6	6	6	6	6	7	7	7
Denmark	0	0	0	1	2	2	2	2	2	2	3	3	2	1	1	2	4	2	1	0	0	0	0	0	0	0	0
Finland	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3
France	4	4	4	7	8	9	9	9	10	11	9	6	6	6	6	4	6	10	10	10	9	9	9	10	8	7	8
Germany	3	3	3	3	3	3	3	4	5	5	5	2	2	2	2	3	3	6	9	8	8	8	11	12	11	11	12
Greece	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	3	3	2	1	1	1	1	1
Ireland	2	2	2	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Italy	2	2	2	3	3	3	4	4	4	4	5	2	1	2	3	3	4	4	4	3	2	2	2	2	2	2	2
Netherlands	5	5	6	7	7	7	8	8	8	8	9	9	9	7	8	8	8	8	7	7	7	7	5	5	6	6	5
Norway	2	2	2	2	2	2	3	3	3	4	4	2	2	1	1	0	0	2	1	1	1	1	1	1	1	2	2
Poland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Portugal	1	1	1	1	1	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Spain	2	2	2	2	2	2	2	2	2	3	3	4	3	3	2	2	2	1	1	1	0	1	0	0	0	2	5
Sweden	4	4	5	6	9	10	12	12	15	17	21	9	9	9	8	5	6	6	6	6	6	6	7	8	8	11	12
Switzerland	2	2	2	2	2	2	2	2	2	2	2	4	2	4	4	4	4	4	4	4	4	4	5	4	4	4	4
UK	28	28	28	28	29	30	34	35	40	42	43	36	34	33	30	29	38	41	36	30	28	31	30	29	31	30	32
Europe	56	56	59	66	73	76	86	88	99	106	114	83	74	72	69	69	91	103	97	84	79	82	82	83	84	89	99
Israel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Canada	1	1	1	1	0	0	0	0	5	5	5	8	7	8	8	12	19	21	16	16	19	20	24	23	23	21	21
USA	12	12	16	19	25	51	79	88	100	106	101	114	112	108	105	110	127	119	103	99	101	106	105	111	118	126	131
North America	13	13	17	20	25	51	79	88	105	111	106	122	119	116	113	122	146	140	119	115	120	126	133	134	141	147	152
Total Developed	103	103	112	130	160	177	210	236	269	267	274	252	242	232	223	243	307	338	295	263	273	281	286	294	309	314	331

Number of Constituents - Emerging Markets

Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
China	0	0	0	0	3	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	8	7	20	37	43	#####
India	0	0	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	7	7	6	11	12	8	4	5	#####
Indonesia	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	4	4	3	7	11	14	14	12	#####
Malaysia	0	5	5	6	7	7	7	8	8	8	8	8	8	9	9	10	10	10	10	10	5	12	13	12	13	16	#####
Philippines	0	1	1	2	3	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	7	6	6	#####
Thailand	0	0	1	1	3	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	10	10	9	14	15	14	#####
Taiwan	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	#####
Asia	0	6	9	11	19	24	25	28	31	31	31	32	32	33	33	34	35	36	40	40	37	55	59	76	90	97	#####
Czech Republic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	#####
Poland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	3	2	2	#####
Russia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	#####
Turkey	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	3	8	7	4	3	#####
Europe	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	3	5	10	10	9	7	#####
Egypt	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	#####
South Africa	0	3	3	3	3	3	5	5	5	5	5	6	8	9	10	10	10	11	11	11	7	7	8	10	12	13	#####
UAE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	#####
Middle East/Africa	0	3	3	3	3	3	5	5	5	5	6	7	9	10	11	11	11	12	12	12	8	8	9	11	16	19	#####
Brazil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	12	12	12	14	21	20	20	20	#####
Mexico	0	0	0	0	0	1	1	2	2	2	2	2	2	2	3	5	5	5	5	5	5	5	5	5	4	6	#####
Chile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	#####
Americas	0	0	0	0	0	1	1	2	2	2	2	2	2	2	3	5	6	9	17	17	17	19	26	25	24	27	#####
Total Emerging	0	9	12	14	22	28	31	35	38	38	40	42	44	46	48	52	54	59	72	72	65	87	104	122	139	150	#####
AIM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	16	16	12	12	13	9	11	9	9

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD	
Abacus Property Group	Asia	Australia																												
AMP Diversified Property Trust	Asia	Australia																												
AMP Industrial Trust	Asia	Australia																												
AMP Shopping Centre	Asia	Australia																												
Australand Property Group	Asia	Australia																												
Babcock & Brown Japan Property Trust	Asia	Australia																												
BWP Trust	Asia	Australia																												
Centro Properties	Asia	Australia																												
Federation Centres	Asia	Australia																												
Centro Retail Trust	Asia	Australia																												
Centro Shopping America Trust	Asia	Australia																												
CFS Retail Property Trust	Asia	Australia																												
Charter Hall Office REIT	Asia	Australia																												
Charter Hall Retail REIT	Asia	Australia																												
Colonial First State Properties Trust	Asia	Australia																												
Commonwealth Property Office Fund	Asia	Australia																												
Cromwell Property Group	Asia	Australia																												
DB RREEF Trust	Asia	Australia																												
Deutsche Diversified Trust	Asia	Australia																												
Deutsche Industrial Trust	Asia	Australia																												
Deutsche Office Trust	Asia	Australia																												
Dexus Property group	Asia	Australia																												
FKP Property Group	Asia	Australia																												
Goodman Group	Asia	Australia																												
GPT Group	Asia	Australia																												
ING Industrial Fund	Asia	Australia																												
Invista Office Fund	Asia	Australia																												
ING Real Estate Community Living	Asia	Australia																												
Investa Property Group	Asia	Australia																												
Lend Lease Corp.	Asia	Australia																												
Macquarie DDR	Asia	Australia																												
Macquarie Prologis Trust	Asia	Australia																												
Mirvac Group	Asia	Australia																												
Multiplex Group	Asia	Australia																												
Principal America Office Trust	Asia	Australia																												
Principal Office Trust	Asia	Australia																												
Ronin Property Trust	Asia	Australia																												
Rubicon America Trust	Asia	Australia																												

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Rubicon Europe Trust	Asia	Australia																											
Scentre Group	Asia	Australia																											
Stockland	Asia	Australia																											
Shopping Centres Australasia Property Group	Asia	Australia																											
Sunland Group	Asia	Australia																											
Tishman Speyer Office Fund	Asia	Australia																											
Valad Property Group	Asia	Australia																											
Westfield America	Asia	Australia																											
Westfield Group	Asia	Australia																											
Westfield Holdings	Asia	Australia																											
Westfield Retail Trust	Asia	Australia																											
Westfield Trust	Asia	Australia																											
Agile Property Holdings	Asia	Hong Kong																											
Allied Properties	Asia	Hong Kong																											
Asean Residential	Asia	Hong Kong																											
Asia Oriental	Asia	Hong Kong																											
Asia Standard	Asia	Hong Kong																											
Century City	Asia	Hong Kong																											
Champion REIT	Asia	Hong Kong																											
Cheung Kong Holdings	Asia	Hong Kong																											
Chi Cheung	Asia	Hong Kong																											
China Investment Holdings	Asia	Hong Kong																											
China Land Group	Asia	Hong Kong																											
China Overseas Land & Investment	Asia	Hong Kong																											
China Resources Land	Asia	Hong Kong																											
China State Construction International	Asia	Hong Kong																											
Chinese Estate Holdings	Asia	Hong Kong																											
Chuang's China Investments	Asia	Hong Kong																											
Chuang's Consortium International	Asia	Hong Kong																											
Country Garden	Asia	Hong Kong																											
Dan Form Holdings	Asia	Hong Kong																											
Dynamic Holdings	Asia	Hong Kong																											
Emperor International	Asia	Hong Kong																											
Emperor Investments	Asia	Hong Kong																											
Far East Consortium	Asia	Hong Kong																											
Gold - Face Holdings	Asia	Hong Kong																											
G-Prop Holdings	Asia	Hong Kong																											
Great Eagle Holdings	Asia	Hong Kong																											

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
GZI REIT	Asia	Hong Kong																											
Hang Lung Group	Asia	Hong Kong																											
Hang Lung Properties	Asia	Hong Kong																											
Henderson China	Asia	Hong Kong																											
Henderson Investors	Asia	Hong Kong																											
Henderson Land Development	Asia	Hong Kong																											
Heritage International Holdings	Asia	Hong Kong																											
HKR International	Asia	Hong Kong																											
Hon Kwok Land Investments	Asia	Hong Kong																											
Hong Kong Fortune	Asia	Hong Kong																											
Hong Kong Land	Asia	Hong Kong																											
Hong Kong Parkview Group	Asia	Hong Kong																											
Hopson Development Holdings	Asia	Hong Kong																											
Hycomm Wireless	Asia	Hong Kong																											
Hysan Development	Asia	Hong Kong																											
Interchina Holdings	Asia	Hong Kong																											
K Wah International Holdings	Asia	Hong Kong																											
Kerry Properties	Asia	Hong Kong																											
Kerry Logistics Network	Asia	Hong Kong																											
Kowloon Development	Asia	Hong Kong																											
KWG Property Holdings	Asia	Hong Kong																											
Kwong Sand Hong International	Asia	Hong Kong																											
Lai Fung Holdings	Asia	Hong Kong																											
Lai Sun Development	Asia	Hong Kong																											
Link Real Estate Investment Trust	Asia	Hong Kong																											
Lippo Ltd.	Asia	Hong Kong																											
Liu Chong Hing Investments	Asia	Hong Kong																											
Midland Realty Holdings	Asia	Hong Kong																											
Nam Fong International Holdings	Asia	Hong Kong																											
New Century Group Hong Kong	Asia	Hong Kong																											
New City Beijing Development	Asia	Hong Kong																											
New World China Land	Asia	Hong Kong																											
New World Development	Asia	Hong Kong																											
Pacific Century Premium Development	Asia	Hong Kong																											
Pacific Concord Holdings	Asia	Hong Kong																											
Pearl Oriental Holdings	Asia	Hong Kong																											
Prosperity REIT	Asia	Hong Kong																											
Shanghai Real Estate	Asia	Hong Kong																											

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD	
Shenzhen Investment	Asia	Hong Kong																												
Shimao Property Holdings	Asia	Hong Kong																												
Shui On Land	Asia	Hong Kong																												
Silver Grant International	Asia	Hong Kong																												
Sino Land	Asia	Hong Kong																												
Soho China	Asia	Hong Kong																												
Sun Hung Kai Properties	Asia	Hong Kong																												
Swire Pacific	Asia	Hong Kong																												
Swire Properties	Asia	Hong Kong																												
The Wharf Holdings	Asia	Hong Kong																												
Wheelock Properties	Asia	Hong Kong																												
Activia Properties	Asia	Japan																												
Aeon REIT	Asia	Japan																												
Advance Residence Investment	Asia	Japan																												
Aeon Mall Co. Ltd	Asia	Japan																												
Cesar	Asia	Japan																												
Daibiru Corp.	Asia	Japan																												
Daikyo	Asia	Japan																												
Daiwahouse Residential Invest	Asia	Japan																												
Daiwa Office Investment	Asia	Japan																												
Daiwa House REIT Investment	Asia	Japan																												
Diamond City	Asia	Japan																												
Frontier Real Estate Investment	Asia	Japan																												
Fukuoka REIT	Asia	Japan																												
GLP J-REIT	Asia	Japan																												
Goldcrest	Asia	Japan																												
Hankyu Realty	Asia	Japan																												
Heiwa Real Estate	Asia	Japan																												
Hulic	Asia	Japan																												
Industrial & Infrastructure Fund Investment	Asia	Japan																												
Invincible Investment Corp	Asia	Japan																												
Japan Excellent	Asia	Japan																												
Japan Hotel REIT Investment	Asia	Japan																												
Japan Logistics Fund	Asia	Japan																												
Japan Prime Realty Investment	Asia	Japan																												
Japan Real Estate Investment Corporation	Asia	Japan																												
Japan Retail Fund Investment	Asia	Japan																												
Kenedix Realty Investment	Asia	Japan																												

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Leopalace21 Corp.	Asia	Japan																											
Mitsubishi Estate	Asia	Japan																											
Mitsui Fudosan Co.	Asia	Japan																											
Mitsui Real Estate Sales	Asia	Japan																											
Mori Hills REIT Investment	Asia	Japan																											
Mori Trust Sogo REIT	Asia	Japan																											
Nippon Accommodations Fund	Asia	Japan																											
Nippon Building Fund Inc.	Asia	Japan																											
Nippon Commercial Investment	Asia	Japan																											
Nippon Prologis REIT	Asia	Japan																											
Nomura Real Estate Holdings	Asia	Japan																											
Nomura Real Estate Master Fund	Asia	Japan																											
Nomura Real Estate Office Fund	Asia	Japan																											
NTT Urban Development	Asia	Japan																											
Orix Jreit Inc.	Asia	Japan																											
Premier Investment Co.	Asia	Japan																											
Shoei	Asia	Japan																											
Sumitomo Realty & Development	Asia	Japan																											
Toc Co.	Asia	Japan																											
Tokyo Tatemono	Asia	Japan																											
Tokyu Land	Asia	Japan																											
Tokyu REIT Inc.	Asia	Japan																											
Top REIT *	Asia	Japan																											
Towa Real Estate Development	Asia	Japan																											
United Urban Investment	Asia	Japan																											
AMP NZ Office Trust	Asia	New Zealand																											
Kiwi Income Property Trust	Asia	New Zealand																											
Allco Commercial Real Estate	Asia	Singapore																											
Allgreen Properties	Asia	Singapore																											
Ascendas Real Estate Investment Trust	Asia	Singapore																											
CapitaCommercial Trust	Asia	Singapore																											
Capitaland	Asia	Singapore																											
CapitaMall Trust	Asia	Singapore																											
CapitaMalls Asia Trust	Asia	Singapore																											
CDL Hospitality Trusts	Asia	Singapore																											
City Developments	Asia	Singapore																											
Fortune REIT	Asia	Singapore																											
Global Logistic Properties	Asia	Singapore																											

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Guocoland	Asia	Singapore																											
Hongkong Land Holdings	Asia	Singapore																											
Keppel Land	Asia	Singapore																											
Keppel REIT	Asia	Singapore																											
K-REIT Asia	Asia	Singapore																											
Mapletree Commercial Trust	Asia	Singapore																											
Mapletree Industrial Trust	Asia	Singapore																											
Mapletree Logistics Trust	Asia	Singapore																											
Pacific Century Regional Development	Asia	Singapore																											
Singapore Land	Asia	Singapore																											
Suntec REIT	Asia	Singapore																											
Tuan Sing Holdings	Asia	Singapore																											
United Overseas Land	Asia	Singapore																											
UOL Group	Asia	Singapore																											
Wing Tai Holdings	Asia	Singapore																											
Yanlord Land Group	Asia	Singapore																											
BUWOG - Bauen und Wohnen GmbH	Europe	Austria																											
CA Immobilien	Europe	Austria																											
Conwert Immobilien	Europe	Austria																											
Immoeast	Europe	Austria																											
Immofinanz	Europe	Austria																											
Sparkassen Immo Invest	Europe	Austria																											
Sparkassen Immobilien	Europe	Austria																											
Aedifica	Europe	Belgium																											
Befimmo	Europe	Belgium																											
Bern Comofi	Europe	Belgium																											
Cofinimmo	Europe	Belgium																											
Immobel	Europe	Belgium																											
Intervest Offices	Europe	Belgium																											
Leasinvest	Europe	Belgium																											
Warehouses De Pauw	Europe	Belgium																											
Wereldhave Belgium	Europe	Belgium																											
ES Norden	Europe	Denmark																											
Keops	Europe	Denmark																											
Nordicom	Europe	Denmark																											
Sjaelso Gruppen	Europe	Denmark																											
TK Development	Europe	Denmark																											
Citycon	Europe	Finland																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Sponda	Europe	Finland																											
Technopolis	Europe	Finland																											
Acanthe Developpement	Europe	France																											
Affine	Europe	France																											
ANF-Immobilier S.A.	Europe	France																											
Fidei	Europe	France																											
Fonciere Des Regions	Europe	France																											
Fonciere Lyonnaise	Europe	France																											
Gecina	Europe	France																											
Icade	Europe	France																											
Klepierre	Europe	France																											
Locafinanciere	Europe	France																											
Mercialys	Europe	France																											
Sefimeg	Europe	France																											
Silic	Europe	France																											
Simco	Europe	France																											
Societe de la Tour Eiffel	Europe	France																											
Sogeparc	Europe	France																											
Sophia	Europe	France																											
Unibail - Rodamco	Europe	France																											
Union Immobiliere de France	Europe	France																											
ADO Properties SA	Europe	Germany																											
Adler Real Estate AG	Europe	Germany																											
Alstria Office	Europe	Germany																											
Bau-Verein Zu Hamburg	Europe	Germany																											
CBB Holding	Europe	Germany																											
Colonia Real Estate	Europe	Germany																											
Deutsche Annington	Europe	Germany																											
Deutsche Euroshop	Europe	Germany																											
Deutsche Wohnen	Europe	Germany																											
DIC Asset	Europe	Germany																											
Gagfah	Europe	Germany																											
Grand City Properties	Europe	Germany																											
GSW Immobilien AG	Europe	Germany																											
Hamborner	Europe	Germany																											
Hamborner REIT AG	Europe	Germany																											
IVG Immobilien	Europe	Germany																											
LEG Immobilien AG	Europe	Germany																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Patrizia Immobilien	Europe	Germany																											
Prime Office REIT-AG	Europe	Germany																											
RSE Grundbesitz U-Beteiligung	Europe	Germany																											
TAG Immobilien	Europe	Germany																											
TLG Immobilien	Europe	Germany																											
Vivacon	Europe	Germany																											
Babis Vovos International	Europe	Greece																											
Eurobank Properties Real Estate Investment	Europe	Greece																											
Lamda Development	Europe	Greece																											
Dunloe Ewart	Europe	Ireland																											
Green Property	Europe	Ireland																											
Green REIT	Europe	Ireland																											
Hibernia REIT PLC	Europe	Ireland																											
Azrieli Group	Europe	Israel																											
Aedes	Europe	Italy																											
Beni Stabili	Europe	Italy																											
Gifim	Europe	Italy																											
Immobiliare Grande Distribution	Europe	Italy																											
Immobiliare Metanopoli	Europe	Italy																											
IPI	Europe	Italy																											
Jolly Hotels	Europe	Italy																											
Pirelli & Co. Real Estate	Europe	Italy																											
Premafin	Europe	Italy																											
Risanamento	Europe	Italy																											
Unione Immobiliare	Europe	Italy																											
AM N.V.	Europe	Netherlands																											
Corio	Europe	Netherlands																											
Eurocommercial Properties	Europe	Netherlands																											
Haslemere	Europe	Netherlands																											
Nieuwe Steen Investments	Europe	Netherlands																											
ProLogis European Properties	Europe	Netherlands																											
Rodamco	Europe	Netherlands																											
Rodamco Europe	Europe	Netherlands																											
Rodamco Retail Nederland	Europe	Netherlands																											
Uni-Invest	Europe	Netherlands																											
Vastned Offices/Industrial	Europe	Netherlands																											
Vastned Retail	Europe	Netherlands																											
Wereldhave	Europe	Netherlands																											

Version: March 2016

End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Avantor	Europe	Norway																											
Choice Hotels	Europe	Norway																											
Entra ASA	Europe	Norway																											
Norgani Hotels	Europe	Norway																											
Norwegian Property	Europe	Norway																											
Olav Thon	Europe	Norway																											
Steen & Strom	Europe	Norway																											
Globe Trade Centre	Europe	Poland																											
Mundicenter	Europe	Portugal																											
Sonae Imobiliaria	Europe	Portugal																											
Hispania Activos Inmobiliarios SAU	Europe	Spain																											
Inmobiliaria Colonial	Europe	Spain																											
Lar Espana Real Estate SOCIMI SA	Europe	Spain																											
Merlin Properties	Europe	Spain																											
Metrovacesa	Europe	Spain																											
Renta Corp Real Estate	Europe	Spain																											
Testa Inmuebles En Renta (Prima Inmobiliara)	Europe	Spain																											
Vallehermoso	Europe	Spain																											
Asticus	Europe	Sweden																											
Bostads AB Drott	Europe	Sweden																											
Castellum	Europe	Sweden																											
Custos	Europe	Sweden																											
Diligentia	Europe	Sweden																											
Dios Anders	Europe	Sweden																											
Dios Fastigheter	Europe	Sweden																											
Fabege	Europe	Sweden																											
Fabege (ex Drott March 2004)	Europe	Sweden																											
Fabege (ex Wihlborgs May 2005)	Europe	Sweden																											
Fastighets AB Balder B	Europe	Sweden																											
Hemfosa Fastigheter	Europe	Sweden																											
Hufvudstaden A	Europe	Sweden																											
JM	Europe	Sweden																											
Klovern AB	Europe	Sweden																											
Klovern B	Europe	Sweden																											
Kungsleden	Europe	Sweden																											
Lundbergs B	Europe	Sweden																											
Mandamus Fastigheter	Europe	Sweden																											
Nackebro	Europe	Sweden																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Norrporten	Europe	Sweden																											
Pandox	Europe	Sweden																											
Piren	Europe	Sweden																											
Platzer	Europe	Sweden																											
Prifast	Europe	Sweden																											
Storheden Fastighets	Europe	Sweden																											
Tornet Fastighets	Europe	Sweden																											
Wallenstam AB	Europe	Sweden																											
Wihlborgs Fastigheter	Europe	Sweden																											
Allreal Holdings	Europe	Switzerland																											
Intershop B	Europe	Switzerland																											
Jelmoji Real Estate	Europe	Switzerland																											
Maag B	Europe	Switzerland																											
Mobimo	Europe	Switzerland																											
PSP Swiss Property	Europe	Switzerland																											
REG Real Estate Group	Europe	Switzerland																											
Swiss Prime Site	Europe	Switzerland																											
Zueblin Immobilien Holding	Europe	Switzerland																											
Asda Property Holdings	Europe	UK																											
Ashtenne Holdings	Europe	UK																											
Assura	Europe	UK																											
Benchmark Group	Europe	UK																											
Big Yellow Group	Europe	UK																											
BPT	Europe	UK																											
British Land Corp.	Europe	UK																											
Brixton	Europe	UK																											
Burford Holdings	Europe	UK																											
Canary Wharf Group	Europe	UK																											
Capital & Counties Properties	Europe	UK																											
Capital & Regional Property	Europe	UK																											
Capital Shopping Centres Group	Europe	UK																											
Chelsfield	Europe	UK																											
CLS Holdings	Europe	UK																											
Compco Holdings	Europe	UK																											
Daejan Holdings	Europe	UK																											
Delancey Estates	Europe	UK																											
Capital & Counties Properties	Europe	UK																											
INTU Properties	Europe	UK																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Dencora	Europe	UK																											
Derwent London Holdings	Europe	UK																											
Development Securities	Europe	UK																											
Eskmuir	Europe	UK																											
F&C Commercial Property Trust	Europe	UK																											
Freeport	Europe	UK																											
Frogmore Estates	Europe	UK																											
Grainger Trust	Europe	UK																											
Grantchester Holdings	Europe	UK																											
Great Portland Estates	Europe	UK																											
Hammerson	Europe	UK																											
Hansteen Holdings	Europe	UK																											
Helical Bar	Europe	UK																											
Picton Property	Europe	UK																											
Invesco UK Property Income Trust	Europe	UK																											
Scroder Real Estate Investment Trust	Europe	UK																											
F&C UK Real Estate Investment	Europe	UK																											
ISIS Property Trust Ltd	Europe	UK																											
James Smith Estates	Europe	UK																											
Jermyn Investment Properties	Europe	UK																											
Land Securities Group	Europe	UK																											
LondonMetric Property	Europe	UK																											
London Merchant Securities	Europe	UK																											
London Merchant Securities Dfd	Europe	UK																											
Mapeley	Europe	UK																											
Marylebone Warwick Balfour Group	Europe	UK																											
McKay Securities	Europe	UK																											
Medicx Fund	Europe	UK																											
MEPC	Europe	UK																											
Minerva	Europe	UK																											
Moorfield Group	Europe	UK																											
Mucklow (A. & J.) Group	Europe	UK																											
NHP	Europe	UK																											
Pillar Property	Europe	UK																											
Plaza Centers NV	Europe	UK																											
Primary Health Properties	Europe	UK																											
Quintain Estates & Development	Europe	UK																											
Advantage Property Income Trust	Europe	UK																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Raglan Properties	Europe	UK																											
Redefine International	Europe	UK																											
Safestore	Europe	UK																											
Saville Gordon Estates	Europe	UK																											
Scottish Met	Europe	UK																											
SEGRO	Europe	UK																											
Shaftesbury	Europe	UK																											
St.Modwen Properties	Europe	UK																											
Standard Life Inv Prop Income Trust	Europe	UK																											
Target Healthcare REIT	Europe	UK																											
Tops Estates	Europe	UK																											
Town Centre Securities	Europe	UK																											
Tritax Big Box REIT	Europe	UK																											
UK Balanced Property Trust	Europe	UK																											
UK Commercial Property Trust	Europe	UK																											
Unite Group	Europe	UK																											
Warner Estate Holdings	Europe	UK																											
Wates City of London	Europe	UK																											
Westbury Property Fund	Europe	UK																											
Workspace Group	Europe	UK																											
Alexis Nihon REIT	North America	Canada																											
Allied Properties REIT	North America	Canada																											
Artis Real Estate Investment	North America	Canada																											
Boardwalk Real Estate Investment Trust	North America	Canada																											
BPO Properties	North America	Canada																											
Brookfield Office Properties	North America	Canada																											
Calloway REIT	North America	Canada																											
Canadian Apartment Properties REIT	North America	Canada																											
Canadian Hotel Income Properties REIT	North America	Canada																											
Canadian REIT	North America	Canada																											
CANMARC REIT	North America	Canada																											
Chartwell Retirement Residences	North America	Canada																											
Cominar REIT	North America	Canada																											
Crombie Real Estate Investment Trust	North America	Canada																											
Dundee International Real Estate Investment Trust	North America	Canada																											
Dundee Real Estate Investment Trust	North America	Canada																											
Extendicare Inc.	North America	Canada																											
First Capital Realty	North America	Canada																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Granite Real Estate	North America	Canada																											
H & R REIT	North America	Canada																											
Canmarc REIT	North America	Canada																											
InnVest Real Estate Investment Trust	North America	Canada																											
IPC US Real Estate	North America	Canada																											
Killam Properties	North America	Canada																											
Legacy Hotels REIT	North America	Canada																											
Morguard Real Estate Investment Trust	North America	Canada																											
Northern Property REIT	North America	Canada																											
Northwest Healthcare Properties REIT	North America	Canada																											
O & Y Real Estate	North America	Canada																											
Oxford Properties Group	North America	Canada																											
Primaris Retail REIT	North America	Canada																											
Pure Industrial Real Estate Trust	North America	Canada																											
Residential Equities REIT	North America	Canada																											
Retirement Residences REIT	North America	Canada																											
Riocan REIT	North America	Canada																											
Summit Real Estate	North America	Canada																											
Sunrise Senior Living Real Estate	North America	Canada																											
TransGlobe Apartment REIT	North America	Canada																											
Trizec Hahn Corp.	North America	Canada																											
Whiterock Real Estate Investment Trust	North America	Canada																											
Acadia Realty	North America	USA																											
Agree Realty	North America	USA																											
Alexanders Inc.	North America	USA																											
Alexandria Real Estate Equity	North America	USA																											
Apple Hospitality REIT	North America	USA																											
Prologis Inc.	North America	USA																											
American Assets Trust Inc.	North America	USA																											
American Campus Communities	North America	USA																											
American Financial Realty Trust	North America	USA																											
American Homes 4 Rent	North America	USA																											
American Realty Capital Trust	North America	USA																											
American Realty Capital Properties	North America	USA																											
American Realty Capital Healthcare Trust	North America	USA																											
AMLI Residential Property Trust	North America	USA																											
Anthracite Capital	North America	USA																											
Apartment Investment Management	North America	USA																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD	
Archstone-Smith Trust	North America	USA																												
Arden Realty	North America	USA																												
Ashford Inc.	North America	USA																												
Ashford Hospitality Trust	North America	USA																												
Ashford Hospitality Prime	North America	USA																												
Associated Estates Realty	North America	USA																												
Avalonbay Communities	North America	USA																												
Aviv REIT	North America	USA																												
Bedford Property Investors	North America	USA																												
BioMed Realty Trust	North America	USA																												
BNP Residential Properties	North America	USA																												
Boca Resorts	North America	USA																												
Boston Property	North America	USA																												
Boykin Lodging	North America	USA																												
Brandywine Realty	North America	USA																												
BRE Properties	North America	USA																												
Brixmor Property Group	North America	USA																												
Burnham Pacific Properties	North America	USA																												
Cabot	North America	USA																												
Camden Property	North America	USA																												
Campus Crest Communities	North America	USA																												
Capital Automotive Trust	North America	USA																												
CapLease	North America	USA																												
Care Capital Properties	North America	USA																												
Carramerica Trust	North America	USA																												
Catellus Development Corp.	North America	USA																												
CBL & Associates Properties	North America	USA																												
Cedar Realty Trust	North America	USA																												
Center Trust	North America	USA																												
Centerpoint Properties	North America	USA																												
Centracore Properties Trust	North America	USA																												
Charles E Smith Residential Realty	North America	USA																												
Chateau Communities	North America	USA																												
Chelsea Property Group	North America	USA																												
Chatham Lodging Trust	North America	USA																												
Chambers Street Properties	North America	USA																												
Chesapeake Lodging Trust	North America	USA																												
Choice Hotels	North America	USA																												

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Cogdell Spencer Inc.	North America	USA																											
Cole Real Estate Investments	North America	USA																											
Colonial Properties	North America	USA																											
Columbia Equity Trust Inc.	North America	USA																											
Columbia Property Trust Inc	North America	USA																											
Cornerstone Realty Income Trust	North America	USA																											
Corporate Office Properties	North America	USA																											
Corrections Corporation of America	North America	USA																											
Cousins Property	North America	USA																											
Crescent Real Estate Equity Corp.	North America	USA																											
Crestline Capital	North America	USA																											
Criimi Mae Inc.	North America	USA																											
Crown American Realty	North America	USA																											
CRT Properties	North America	USA																											
DCT Industrial Trust	North America	USA																											
DDR Inc.	North America	USA																											
Diamondrock Hospitality	North America	USA																											
Digital Realty Trust	North America	USA																											
Douglas Emmett	North America	USA																											
Duke Realty Corp	North America	USA																											
Dupont Fabros Technology	North America	USA																											
Dynex Capital	North America	USA																											
Eastgroup Properties	North America	USA																											
Education Realty Trust	North America	USA																											
Empire State Realty Trust	North America	USA																											
EPR Properties	North America	USA																											
Equity Inns	North America	USA																											
Equity Lifestyle Properties	North America	USA																											
Equity Office Properties	North America	USA																											
Equity One Inc	North America	USA																											
Equity Residential	North America	USA																											
Essex Property Trust	North America	USA																											
Excel Trust	North America	USA																											
Extended Stay America	North America	USA																											
Extra Space Storage	North America	USA																											
Federal Realty Investors	North America	USA																											
FelCor Lodging	North America	USA																											
First Industrial Realty Trust	North America	USA																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
First Potomac Realty Trust	North America	USA																											
Forest City A	North America	USA																											
Franchise Finance Corp. of America	North America	USA																											
Franklin Street Properties	North America	USA																											
Gables Residential Trust	North America	USA																											
Gaming & Leisure Properties	North America	USA																											
General Growth Properties	North America	USA																											
Getty Realty	North America	USA																											
Glenborough Realty Trust	North America	USA																											
Glimcher Realty Trust	North America	USA																											
Global Signal Inc.	North America	USA																											
GMH Communities Trust	North America	USA																											
Golf Trust America	North America	USA																											
Government Properties Trust	North America	USA																											
Gramercy Capital Corp	North America	USA																											
Great Lakes REIT	North America	USA																											
Health Care Property Investments	North America	USA																											
Healthcare Realty Trust	North America	USA																											
Healthcare REIT	North America	USA																											
Healthcare Trust Of America	North America	USA																											
Commonwealth REIT	North America	USA																											
Heritage Property Investments	North America	USA																											
Hersha Hospitality Trust A	North America	USA																											
Highland Hospitality	North America	USA																											
Highwoods Properties	North America	USA																											
Hilltop Holdings	North America	USA																											
Hilton Hotels	North America	USA																											
Home Properties	North America	USA																											
Hospitality Properties Trust	North America	USA																											
Host Hotels & Resorts	North America	USA																											
Hudson Pacific Properties	North America	USA																											
Inland Real Estate	North America	USA																											
Innkeepers USA Trust	North America	USA																											
Investors Real Estate Trust	North America	USA																											
IRT Property	North America	USA																											
JDN Realty Corp.	North America	USA																											
JP Realty	North America	USA																											
Keystone Property Trust	North America	USA																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Kilroy Realty	North America	USA																											
Kimco Realty Corp.	North America	USA																											
Kite Realty Group Trust	North America	USA																											
Konover Property	North America	USA																											
Kramont Realty Trust	North America	USA																											
La Quinta Properties	North America	USA																											
LaSalle Hotel Properties	North America	USA																											
Lexington Realty Trust	North America	USA																											
Liberty Property Trust	North America	USA																											
LTC Properties	North America	USA																											
Macerich	North America	USA																											
Mack Cali Realty	North America	USA																											
Maguire Properties	North America	USA																											
Manor Care	North America	USA																											
Medical Properties Trust	North America	USA																											
Meristar Hospitality	North America	USA																											
Mid-America Apartment Communities	North America	USA																											
Mid-Atlantic Realty Trust	North America	USA																											
Mission West Properties	North America	USA																											
National Golf Properties	North America	USA																											
National Health Investors	North America	USA																											
National Healthcare	North America	USA																											
National Retail Properties	North America	USA																											
Nationwide Health Properties	North America	USA																											
New Plan Excel Realty Trust	North America	USA																											
New Senior Investment Group	North America	USA																											
New York REIT Inc.	North America	USA																											
Omega Healthcare REIT	North America	USA																											
Orient Express Hotels	North America	USA																											
Pan Pacific Retail Properties	North America	USA																											
Paramount Group	North America	USA																											
Parkway Properties	North America	USA																											
Pebblebrook Hotel Trust	North America	USA																											
Pennsylvania Real Estate Investment Trust	North America	USA																											
Physicians Realty Trust	North America	USA																											
Piedmont Office Realty Trust	North America	USA																											
Post Properties	North America	USA																											
Prentiss Properties Trust	North America	USA																											

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD	
Prime Group Realty Trust	North America	USA																												
Prime Hospitality	North America	USA																												
Prime Legacy	North America	USA																												
Prologis	North America	USA																												
PS Business Parks	North America	USA																												
Public Storage	North America	USA																												
QTS Realty Trust	North America	USA																												
Ramco-Gershenson Properties	North America	USA																												
Realty Income	North America	USA																												
Reckson Associates Realty Corp. A	North America	USA																												
Reckson Associates Realty Corp. B	North America	USA																												
Regency Centers	North America	USA																												
Republic Property	North America	USA																												
Retail Opportunity Investment Corp.	North America	USA																												
Retail Properties of America	North America	USA																												
Rexford Industrial Realty	North America	USA																												
RFS Hotel Investors	North America	USA																												
RLJ Lodging Trust	North America	USA																												
Ryman Hospitality Properties	North America	USA																												
Sabra Health Care REIT	North America	USA																												
Saul Centers	North America	USA																												
Select Income REIT	North America	USA																												
Senior Housing Property Trust	North America	USA																												
Shurgard Storage Centers	North America	USA																												
Silver Bay Realty Trust	North America	USA																												
Simon Property Group	North America	USA																												
Sizeler Property Investors	North America	USA																												
SL Green Realty	North America	USA																												
Sovran Self Storage	North America	USA																												
Spirit Finance Corp.	North America	USA																												
Spirit Realty Capital	North America	USA																												
STAG Industrial	North America	USA																												
Starwood Hotels & Resorts	North America	USA																												
Starwood Waypoint Residential Trust	North America	USA																												
Storage USA	North America	USA																												
Strategic Hotels & Resorts	North America	USA																												
Store Capital REIT	North America	USA																												
Summit Properties	North America	USA																												

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End-of-Year Constituents Chart - Developed

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Summit Hotel Properties	North America	USA																											
Sun Communities	North America	USA																											
Sunstone Hotel Investors	North America	USA																											
Tanger Factory Outlet Center	North America	USA																											
Taubman Centers	North America	USA																											
Terreno Realty	North America	USA																											
The Mills Corporation	North America	USA																											
The Rouse Corporation	North America	USA																											
The St. Joe Company	North America	USA																											
TIER REIT	North America	USA																											
Town and Country Trust	North America	USA																											
TransGlobe Apartment REIT	North America	USA																											
Trizec Properties	North America	USA																											
Trustreet Properties	North America	USA																											
UDR	North America	USA																											
Universal Health Realty Income	North America	USA																											
Urban Edge Properties	North America	USA																											
Urstadt Biddle Properties	North America	USA																											
CubeSmart	North America	USA																											
Ventas Inc	North America	USA																											
Vornado Realty	North America	USA																											
Washington Prime Group	North America	USA																											
Washington Real Estate Investments	North America	USA																											
Weingarten Realty Investors	North America	USA																											
Windrose Medical Properties	North America	USA																											
Winston Hotels	North America	USA																											
Winthrop Realty Trust	North America	USA																											
W. P. Carey Inc.	North America	USA																											
Wyndham International	North America	USA																											
Xenia Hotels & Resorts Inc	North America	USA																											

End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Agre Empreendimentos Imobiliarios	Emerging	Brazil																											
Aliansce Shopping Centers SA	Emerging	Brazil																											
BR Malls Participacoes S/A Ord	Emerging	Brazil																											
BR Properties S/A Ord	Emerging	Brazil																											
Brookfield Residential Properties SA	Emerging	Brazil																											
Camargo Correa Desenvolvimento Imobiliario S/A Ord	Emerging	Brazil																											
Cyrela Brazil Realty S/A Empreendimentos e Participacoes Or	Emerging	Brazil																											
Cyrela Commercial Properties	Emerging	Brazil																											
Direcional Engenharia SA	Emerging	Brazil																											
Even Construtora Inc	Emerging	Brazil																											
EZ TEC Empreendimentos e Partipacoes	Emerging	Brazil																											
Gafisa	Emerging	Brazil																											
General Shopping Brasil	Emerging	Brazil																											
Helbor Empreendimentos S.A.	Emerging	Brazil																											
Iguatemi Empresa de Shopping Centers S/A Ord	Emerging	Brazil																											
Viver Incorporadora e Construtora S.A.	Emerging	Brazil																											
JHSF Participacoes SA	Emerging	Brazil																											
Klabin Segall S/A Ord	Emerging	Brazil																											
MRV Engenharia e Participacoes SA	Emerging	Brazil																											
Multiplan Empreendimentos Imobiliaros S/A Ord	Emerging	Brazil																											
PDG Realty S/A Empreendimentos e Participacoes Ord	Emerging	Brazil																											
Rodobens Negocios Imobiliaros S/A Ord	Emerging	Brazil																											
Rossi Residencial SA	Emerging	Brazil																											
Sao Carlos Empreendimentos e Patricipacoes	Emerging	Brazil																											
Sonae Sierra Brasil	Emerging	Brazil																											
Tecnisa S.A.	Emerging	Brazil																											
Parauco Arauco	Emerging	Chile																											
Ascott Residence Trust	Emerging	China																											
Beijing Capital Land (H)	Emerging	China																											
Beijing North Star (H)	Emerging	China																											
CapitaLand Retail China Trust Management	Emerging	China																											
C C Land Holdings	Emerging	China																											
China Aoyuan Property Group	Emerging	China																											
China Merchants Prop (B)	Emerging	China																											
China New City Commercial Development (P Chip)	Emerging	China																											
China Oceanwide Holdings	Emerging	China																											
China Overseas Land & Inv (Red Chip)	Emerging	China																											
China Overseas Grand Oceans Group	Emerging	China																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
China Resources Land (Red Chip)	Emerging	China																											
China SCE Property Holdings	Emerging	China																											
CIFI Holdings (Group)	Emerging	China																											
CSI Properties	Emerging	China																											
Dalian Wanda Commercial Properties	Emerging	China																											
Evergrande Real Estate Group	Emerging	China																											
Far East Consortium	Emerging	China																											
Fantasia Holdings Group Co. Ltd.	Emerging	China																											
Franshion Properties China (Red Chip)	Emerging	China																											
Gemdale Properties and Investment	Emerging	China																											
Glorious Property Holdings	Emerging	China																											
Goldin Properties Holdings	Emerging	China																											
Greentown China Holdings	Emerging	China																											
Guangzhou R&F Properties (H)	Emerging	China																											
HKR International	Emerging	China																											
Hopson Dev Hold (P Chip)	Emerging	China																											
Hui Xian Real Estate Investment Trust	Emerging	China																											
Hydoo International Holding	Emerging	China																											
Jinqiao Export Processing (B)	Emerging	China																											
Kaisa Group Holdings	Emerging	China																											
K Wah International Holdings	Emerging	China																											
KWG Property Holdings	Emerging	China																											
Longfor Properties Co. Ltd.	Emerging	China																											
Logan Property Holdings	Emerging	China																											
Mapletree Greater China Commercial Trust	Emerging	China																											
Mingfa Group (International)	Emerging	China																											
Minmetals Land (Red Chip)	Emerging	China																											
Poly Property Group (Red Cip)	Emerging	China																											
Powerlong Real Estate Holdings (P Chip)	Emerging	China																											
Qualipak International Holdings	Emerging	China																											
Redco Properties Group	Emerging	China																											
Road King Infrastructure	Emerging	China																											
Renhe Commercial Holdings (P Chip)	Emerging	China																											
Shanghai Lujiazui Fin & Trade Dev (B)	Emerging	China																											
Shanghai Industrial Urban Development Group	Emerging	China																											
Shenzhen Investment (Red Chip)	Emerging	China																											
China Vanke (B)	Emerging	China																											
Sinolink Worldwide Holdings (P Chip)	Emerging	China																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Sino-Ocean Land Holdings (Red Chip)	Emerging	China																											
SPG Land Holdings	Emerging	China																											
Sunac China Holdings	Emerging	China																											
Wuzhou International Holdings	Emerging	China																											
Yuexiu Property Co Ltd	Emerging	China																											
Yuexiu Real Estate Investment Trust	Emerging	China																											
Yuzhou Properties	Emerging	China																											
Orco Property Group S.A.	Emerging	Czech Republic																											
Emaar Misr for Development SAE	Emerging	Egypt																											
Six Of October Development & Investment	Emerging	Egypt																											
Agung Podomoro Land Tbk PT	Emerging	India																											
Anant Raj	Emerging	India																											
Ansal Properties & Infrastructure	Emerging	India																											
Ascendas India Trust	Emerging	India																											
Brigade Enterprises	Emerging	India																											
BSEL Information Systems	Emerging	India																											
DLF	Emerging	India																											
IVRCL Assets & Holdings	Emerging	India																											
Mahindra Lifespace Developers Ltd.	Emerging	India																											
MVL Ltd.	Emerging	India																											
Oberoi Realty	Emerging	India																											
Omaxe Limited	Emerging	India																											
Orbit Corporation	Emerging	India																											
Parsvnath Developers	Emerging	India																											
Peninsula Land	Emerging	India																											
Prestige Estates Projects Ltd	Emerging	India																											
Puravankara Projects Limited	Emerging	India																											
Sunteck Realty Ltd.	Emerging	India																											
Unitech	Emerging	India																											
Alam Sutera Realty	Emerging	Indonesia																											
Bakrieland Devel	Emerging	Indonesia																											
Bumi Serpong Damai PT	Emerging	Indonesia																											
Ciputra Develop	Emerging	Indonesia																											
Ciputra Property	Emerging	Indonesia																											
First Real Estate Investment Trust	Emerging	Indonesia																											
Intiland Development Tbk PT	Emerging	Indonesia																											
Kawasan Industri Jababeka	Emerging	Indonesia																											
Lippo Karawaci	Emerging	Indonesia																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Lippo Malls Indonesia Retail Trust	Emerging	Indonesia																											
Pakuwon Jati Tbk PT	Emerging	Indonesia																											
PT Ciputra Surya Tbk	Emerging	Indonesia																											
PT Sentul City	Emerging	Indonesia																											
PT Summarecon Agung Tbk.	Emerging	Indonesia																											
Wijaya Karya PT	Emerging	Indonesia																											
Axis Real Estate Investment Trust	Emerging	Malaysia																											
Capitamalls Malaysia Trust	Emerging	Malaysia																											
Eastern & Oriental Berhad	Emerging	Malaysia																											
Eco World Development Group	Emerging	Malaysia																											
Glomac Berhad	Emerging	Malaysia																											
Golden Plus Holdings	Emerging	Malaysia																											
IGB	Emerging	Malaysia																											
IGB Real Estate Investment Trust	Emerging	Malaysia																											
IJM Land Bhd	Emerging	Malaysia																											
IOI Properties Group	Emerging	Malaysia																											
KLCC Property Holdings	Emerging	Malaysia																											
KSL Holdings BHD	Emerging	Malaysia																											
Land And General	Emerging	Malaysia																											
LBS Bina Group Berhad	Emerging	Malaysia																											
Mah Sing Group BHD	Emerging	Malaysia																											
Malaysian Resources Corp.	Emerging	Malaysia																											
MKH	Emerging	Malaysia																											
Mutiara Goodyear Development BHD	Emerging	Malaysia																											
Pavilion Real Estate Investment Trust	Emerging	Malaysia																											
SP Setia	Emerging	Malaysia																											
Sunrise Bhd	Emerging	Malaysia																											
Sunway City Berhad	Emerging	Malaysia																											
Tebrau Teguh Berhad	Emerging	Malaysia																											
Tropicana	Emerging	Malaysia																											
UEM Sunrise	Emerging	Malaysia																											
UOA Development	Emerging	Malaysia																											
YNH Property	Emerging	Malaysia																											
YTL Land & Development BHD	Emerging	Malaysia																											
Administradora Fibra Danhos	Emerging	Mexico																											
Asesor de Activos Prisma S.A.P.I. de C.V.	Emerging	Mexico																											
Consortio Ara	Emerging	Mexico																											
Concentradora Fibra Hotelera Mexicana	Emerging	Mexico																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Corporacion Inmobiliaria Vesta	Emerging	Mexico																											
Desarrolladora Homex SA de CV	Emerging	Mexico																											
Fibra Uno Administracion	Emerging	Mexico																											
Geo B	Emerging	Mexico																											
Macquarie Mexico Real Estate Management	Emerging	Mexico																											
Sare Holding S.A. de C.V.	Emerging	Mexico																											
Urbi Desarrollos Urbanos	Emerging	Mexico																											
Ayala Land	Emerging	Philippines																											
Filinvest Land	Emerging	Philippines																											
Megaworld Corporation	Emerging	Philippines																											
Robinson's Land Corporation	Emerging	Philippines																											
Sm Devt Corp	Emerging	Philippines																											
SM Prime Hldgs	Emerging	Philippines																											
Vista Land & Lifescapes	Emerging	Philippines																											
Atrium European Real Estate	Emerging	Poland																											
Globe Trade Centre	Emerging	Poland																											
LC Corp SA	Emerging	Poland																											
PIK Group	Emerging	Russia																											
Immofinanz AG	Emerging	Russia																											
Acucap Properties Limited	Emerging	South Africa																											
Apexhi Properties -A-	Emerging	South Africa																											
Apexhi Properties -B-	Emerging	South Africa																											
Apexhi Properties -C-	Emerging	South Africa																											
Arrowhead Properties (A)	Emerging	South Africa																											
Arrowhead Properties (B)	Emerging	South Africa																											
Attacq Limited	Emerging	South Africa																											
Capital Property Fund	Emerging	South Africa																											
Emira Property Fund	Emerging	South Africa																											
Fountainhead Property Trust	Emerging	South Africa																											
Growthpoint Prop Ltd	Emerging	South Africa																											
Hyprop Investments Ltd	Emerging	South Africa																											
Pangbourne Prop Ltd	Emerging	South Africa																											
Redefine Properties	Emerging	South Africa																											
Resilient Prop Inc Fd	Emerging	South Africa																											
SA Corporate Real Estate Fund	Emerging	South Africa																											
Vukile Property Fund	Emerging	South Africa																											
Macquarie Central Office Corporate	Emerging	South Korea																											
Hung Poo Real Estate Development	Emerging	Taiwan																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Amata Corp	Emerging	Thailand																											
AP Thailand	Emerging	Thailand																											
Central Pattana	Emerging	Thailand																											
Cpn Retail Growth Leasehold Property Fund	Emerging	Thailand																											
Land & Houses	Emerging	Thailand																											
LPN Development	Emerging	Thailand																											
Property Perfect	Emerging	Thailand																											
Pruksa Real Estate	Emerging	Thailand																											
Quality Houses	Emerging	Thailand																											
Sansiri	Emerging	Thailand																											
SC Asset Corporation	Emerging	Thailand																											
Siam Future Development PCL	Emerging	Thailand																											
Supalai PCL	Emerging	Thailand																											
Ticon Industrial Connection Pcl	Emerging	Thailand																											
WHA	Emerging	Thailand																											
Akfen Gayrimenkul Yatirim Ortakligi AS	Emerging	Turkey																											
Akmerkez Gayrimenkul Yatirim	Emerging	Turkey																											
Alarko Gayrimenkul Yatirim Ort. A.S.	Emerging	Turkey																											
Dogus GE Gayrimenkul Yat. Ort. A.S.	Emerging	Turkey																											
Emlak Konut Gayrimenkul Yatirim Ortakligi AS	Emerging	Turkey																											
Is Gayrimenkul Yatirim Ortak	Emerging	Turkey																											
Sinpas Gayrimenkul Yatirim Ortakligi	Emerging	Turkey																											
Torunlar Gayrimenkul Yatirim Ortakligi	Emerging	Turkey																											
Hung Poo Real Estate Development	Emerging	Taiwan																											
Aldar Properties PJSC	Emerging	UAE																											
Deyaar Development	Emerging	UAE																											
Emaar Properties	Emerging	UAE																											
Emaar Malls Group	Emerging	UAE																											
Emirates REIT (CEIC) Limited	Emerging	UAE																											
RAK Properties	Emerging	UAE																											
Ablon Group	AIM	AIM																											
Atlas Estates	AIM	AIM																											
Blackrock International Land	AIM	AIM																											
Carpathian	AIM	AIM																											
China Central Properties	AIM	AIM																											
China Real Estate Opportunities	AIM	AIM																											
Conygar Investment Company	AIM	AIM																											
Deutsche Land	AIM	AIM																											

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End-of-Year Constituents Chart - Emerging & AIM

Company	Region	Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015 YTD
Develica Deutschland	AIM	AIM																											
Dolphin Capital Investors	AIM	AIM																											
Hansteen Holdings	AIM	AIM																											
LokN Store Group	AIM	AIM																											
London & Stamford Property	AIM	AIM																											
LXB Retail Properties	AIM	AIM																											
Max Property Group	AIM	AIM																											
Mirland Development Corp	AIM	AIM																											
Market Tech Holdings	AIM	AIM																											
NewRiver Retail	AIM	AIM																											
O Twelve Estates	AIM	AIM																											
Palace Capital	AIM	AIM																											
Public Service Properties Inv.	AIM	AIM																											
Raven Russia	AIM	AIM																											
Real Estate Investors	AIM	AIM																											
RGI International	AIM	AIM																											
Rugby Estates	AIM	AIM																											
Sirius Real Estate	AIM	AIM																											
Songbird Estates	AIM	AIM																											
Spazio Investment	AIM	AIM																											
Speymill Deutsche Immobilien	AIM	AIM																											
Summit Germany	AIM	AIM																											
Taliesin Property Fund	AIM	AIM																											
Treveria	AIM	AIM																											
Unitech Corporate Parks	AIM	AIM																											

Section 8

Details on Methodology

Asset Class Comparisons and Correlations

The asset classes are defined as follows. For real estate, the FTSE EPRA/NAREIT indices are used. For broad equities, the national headline index is used (i.e. FTSE 100, CAC 40 etc.) and for multi-country profiles, the FTSE All-world index series is used. For bonds, the JPMorgan Bond index series is used.

Average True Range

The difference between the 1Y high and the 1Y low in index points. A higher reading indicates a higher volatility.

Beta Coefficient

The Beta Coefficient is a measure of a portfolio in relation to the rest of the financial market. It is calculated as follows:

$$\text{Beta} = \frac{\text{Covariance}(10\text{Y Average Returns Broad Equities and } 10\text{Y Average Returns Real Estate})}{\text{Variance Real Estate}} * 100$$

Bollinger Bands

A set of Bollinger Bands are a tool that can be used to measure the 'high-ness' or 'low-ness' of the price relative to the previous one, and acts as a measure of volatility. The Bollinger Bands consist of three lines: a middle band showing a simple moving average, an upper band located at twice the standard deviation above the middle band, and a lower band located at twice the standard deviation below the middle band.

Candlesticks

Candlestick charts give an overview of the daily Open, High, Low, and Close price of the index over a certain period, in this case a month. The graph presents the relationship between these prices and as such show an indication of volatility. Candlesticks can only be created on securities that have intraday pricing, and so for this graph the real time price indices are used (instead of the total return indices that are used in the remainder of this chart book). A candlestick chart reads as follows:

If the body is colored green,
then the index went up.
If colored red, the index closed
down.



Capital Allocation Line

The CAL is the line between a risky asset (either a real estate portfolio or a broad equity portfolio), and the risk-free rate. The risk-free rate is derived by extrapolating the line between the risky asset and the JPMorgan bond index.

Dividend Yields

The dividend market capitalisation (defined as the dividend multiplied by the shares in issue and free float percentage) paid during the last twelve months as a percentage of the investable market capitalisation of the index.

Efficient Frontiers

The efficient frontier shows the minimum variance portfolio (or least risky portfolio) for a given rate of return. The resulting line shows the most efficient portfolio for any given combination of risk and return. Rational investors will construct portfolios that have risk-return profiles that are located on this frontier.

The efficient frontiers are calculated using data from a rolling 10-year period.

Equally Weighted Value-at-Risk

The Value-at-Risk of an index is calculated by multiplying the market capitalisation of an index by the 10Y standard deviation of the index. Equally weighted refers to that older observations are given the same weight as the more recent observations.

Investment Horizons

The ratio of the average monthly return divided by the average monthly volatility over the specified periods, 1 to 18 years.

Moving Averages

The oscillator compares the long term (5Y) average with the short term (1Y) average. When these two lines cross a change in trend is identified. The graph shows the difference between the long term and short term. A negative difference indicates a downward trend, and a positive difference indicates an upward trend.

Relative Strength Indicator

The Relative Strength Indicator is an index between 0 and 100. A value between 70 and 100 indicates that the market is overbought, and a value between 0 and 30 indicates the market is oversold. The RSI is calculated using the following formula:

$$RSI = 100 - \left[\frac{100}{1 + \text{ABS} \left\{ \frac{1Y \text{ Average Monthly Gain}}{1Y \text{ Average Monthly Loss}} \right\}} \right]$$

Retracement Levels

The Fibonacci ratios (0.618, 0.50 and 0.382) are applied to the range between the 1Y High and 1Y Low.

Retracement levels are important in the case of a "changing market", i.e. when the index breaks out of its trend.

When the index breaks out of a long-term upward trend and starts a downward correction, the retracement levels show support levels.

When the index breaks out of a long-term downward trend and starts an upward correction, the retracement levels show resistance levels.

Risk/Return Profiles

The risk/return profile-value is determined by the 10Y average risk (calculated by the standard deviation) on the X-axis and the 10Y average return on the Y-axis.

Seasonality Chart

This chart compares the index value on a year-by-year basis. Each line represents the index in a particular year, and when combined with each other, a comparison can be made to see whether a pattern can be found, i.e. does the index always perform the same way in a particular month.

Sharpe Ratio

The Sharpe ratio is a measure of the excess return (or Risk Premium) above the risk free rate (as measured by the JPMorgan Bond index) per unit of risk in an investment asset or a trading strategy. It is calculated as follows:

$$\text{Sharpe} = \frac{(\text{10Y average return of the index} - \text{10Y average return of the risk free rate})}{\text{10Y Volatility}}$$

Technical Analysis

This is an attempt to indicate long term trends in the movement of the index.

PLEASE NOTE: Identifying these trends, especially the resistance and support levels, is subjective and expresses the views of the author only and not necessarily the view of EPRA. Please refer to page 126 for further details.

Velocity

This liquidity measure is calculated by the number of shares traded over a 12-month period divided by the free-float adjusted shares in issue at the end of the period.

Volatility

The volatility shows the variability of returns over a 12-month period, revealing the extent by which the returns of an index value change from the average.

Low volatility indicates the returns for an index have stayed quite close to the average whereas a high volatility would indicate a larger fluctuation over the time period. Volatility can therefore be seen as a market measure for risk.

Section 9

Data Vendor Codes

Data Vendor Codes - Indices



	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
AMERICAS EMERGING INDEX	FENEL																	
ASIA 33 INDEX							ENAS3 (HKD)											
ASIA DIVERSIFIED INDEX	EGADE	EGADU	EGADG	EGADJ	EGADA		TEGADE	TEGADU	TEGADG	TEGADJ	TEGADA							
ASIA DIVIDEND+ INDEX	ENAD																	
ASIA EMERGING INDEX	FENEA																	
ASIA EX AUSTRALIA DIVERSIFIED INDEX	EAADE	EAADU	EADAG	EADAJ	EAADA		TEAADE	TEAADU	TEAAG	TEAADJ	TEAADA							
ASIA EX AUSTRALIA HEALTHCARE INDEX	EAAHE	EAAHU	EAAHG	EAAHJ	EAAHA		TEAAHE	TEAAHU	TEAAHG	TEAAHJ	TEAAHA							
ASIA EX AUSTRALIA INDEX	EPAAE	EPAAU	EPAAG	EPAAJ			TEPAAE	TEPAAU	TEPAAG	TEPAAJ			TRPAAE	TRPAAU	TRPAAG	TRPAAJ		
ASIA EX AUSTRALIA INDUSTRIAL INDEX	EAAIE	EAAIU	EAAIG	EAAIJ	EAAIA		TEAAIE	TEAAIU	TEAIG	TEAAIJ	TEAAIA							
ASIA EX AUSTRALIA INDUSTRIAL/OFFICE MIXED INDEX	EAAIME	EAAIMU	EAAIMG	EAAIMJ	EAAIMA		TEAAIME	TEAAIMU	TEAIMG	TEAAIMJ	TEAAIMA							
ASIA EX AUSTRALIA LODGING/RESORTS INDEX	EAALE	EAALU	EAALG	EAAIJ	EAAIA		TEAALE	TEAALU	TEAALG	TEAALJ	TEAALA							
ASIA EX AUSTRALIA NON-RENTAL INDEX	EAAANE	EAAANU	EAAANG	EAAANJ	EAAANA		TEAANE	TEAANU	TEAANG	TEAANJ	TEAANA							
ASIA EX AUSTRALIA OFFICE INDEX	EAAOE	EAAOU	EAAOG	EAAOJ	EAAOA		TEAAOE	TEAAOU	TEAAG	TEAAOJ	TEAAOA							
ASIA EX AUSTRALIA RENTAL INDEX	EAAARE	EAAARU	EAAARG	EAAARJ	EAAARA		TEAARE	TEAARU	TEAARG	TEAARJ	TEAARA							
ASIA EX AUSTRALIA RETAIL INDEX	EAAATE	EAAATU	EAAATG	EAAATJ	EAAATA		TEAATE	TEAATU	TEAATG	TEAATJ	TEAATA							
ASIA EX AUSTRALIA SELF STORAGE INDEX	EAAASE	EAAASU	EAAASG	EAAASJ	EAAASA		TEAASE	TEAASU	TEAASG	TEAASJ	TEAASA							
ASIA EX AUSTRALIA RESIDENTIAL INDEX	EAAAE	EAAAEU	EAAAEG	EAAAEJ	EAAAEA		TEAAE	TEAAEU	TEAAEG	TEAAEJ	TEAAEA							
ASIA EX AUSTRALIA SPECIALTY INDEX	EAAPE	EAAPU	EAAPG	EAAPJ	EAAPA		TEAPE	TEAPU	TEAAPG	TEAPJ	TEAAPA							
ASIA INDEX	EGAS	UGAS	PGAS	YGAS			REGA	RUGA	RPGA	RYAS			TRGASE	TRGASU	TRGASG	TRGASJ		
ASIA INDUSTRIAL INDEX	EGAI	EGAIU	EGAI	EGAIJ	EGAI		TEGAI	TEGAIU	TEGAI	TEGAIJ	TEGAI							
ASIA LODGING/RESORTS INDEX	EGALE	EGALU	EGALG	EGALJ	EGALA		TEGALE	TEGALU	TEGALG	TEGALJ	TEGALA							
ASIA NON-REITS INDEX	ENASE	ENASU	ENASG	ENASJ	ENASA		TENASE	TENASU	TENASG	TENASJ	TENASA							
ASIA OFFICE INDEX	EGAF	EGAFU	EGAFG	EGAFJ	EGAF		TEGAF	TEGAFU	TEGAFG	TEGAFJ	TEGAF							
ASIA PAC EX JPN EX AUS LIQUID INDEX	GSLOAPE	GSLOAPU	GSLOAPG	GSLOAPJ	GSLOAPA	GSLOAPH (HKD), GSLOAPS (SGD)	TGSLOAPE	TGSLOAPU	TGSLOAPG	TGSLOAPJ	TGSLOAPA	TGSLOAPH (HKD), TGSLOAPS (SGD)						
ASIA REITS INDEX	ERASE	ERASU	ERASG	ERASJ	ERASA		TERASE	TERASU	TERASG	TERASJ	TERASA							
ASIA RESIDENTIAL INDEX	EGAE	EGAEU	EGAEG	EGAEJ	EGAEA		TEGAE	TEGAEU	TEGAEG	TEGAEJ	TEGAEA							
ASIA RETAIL INDEX	EGATE	EGATU	EGATG	EGATJ	EGATA		TEGATE	TEGATU	TEGATG	TEGATJ	TEGATA							
AUSTRALIA HEDGED IN US\$ INDEX		ELHAU					TELHAU					FTAHUST						
AUSTRALIA INDEX	ENAU	UNAU	PLAU	YLAU	ELAU		REAU	RUAU	RPAU	RYAU	RDAU		TRLAUE	TRLAUU	TRLAUG	TRLAUJ	TRLAUL	
AUSTRALIA LIQUID INDEX	LIQELAUE	LIQELAUU	LIQELAUG	LIQELAUJ	LIQELAUA		TLIQELAUE	TLIQELAUU	TLIQELAUG	TLIQELAUJ	TLIQELAUA							
AUSTRALIA INDEX	EPAS	UPAS	PPAS	YPAS			REPAS	RUPAS	RPAS	RYAS			TRPASE	TRPASU	TRPASG	TRPASJ		
BELGIUM INDEX	EPBL	UPBL	PPBL	YPBL			RPBL	RUPBL	RPBL	RYBL			TRPBLE	TRPBLU	TRPBLG	TRPBLJ		
CANADA INDEX	ENCA	UNCA	PLCA	YLCA	ELCA (CAD)		RCAE	RCAU	RPCA	RYCA	RCAC (CAD)		TRLCAE	TRLCAU	TRLCAG	TRLCAJ	TRLCA (CAD)	
CUSTOM GLOBAL INDEX INDEX	FTGIEUR	FTGIUSD					FTGIEUR	FTGIUSTR				FTGILCTR						
CZECH REPUBLIC INDEX													TRPCZE	TRPCZU	TRPCZG	TRPCZJ	TRPCZ (NZD)	
DENMARK INDEX	EPDK	UPDK	PLDK	YLDK	ELDK (DKK)		RPKD	RUPDK	RPLD	RYDK	RLDK (DKK)		TRLDKE	TRLDKU	TRLDKG	TRLDKJ	TRLDK (DKK)	
EMERGING MARKET INDEX	FENEI																	
EUROPE CAPPED INDEX	EORA	EORAU	EORAG	EORAG			TEORAE	TEORAU	TEORAG	TEORAJ			RORA	RORA	RORA	RORA		
EUROPE DIVERSIFIED INDEX	EPRDE	EPRDU	EPRDG	EPRDJ	EPRDA		TEPRDE	TEPRDU	TEPRDG	TEPRDJ	TEPRDA							
EUROPE EURO ZONE CAPPED INDEX	EOEU	EOEUU	EOEUG	EOEUJ			TEOEUE	TEOEUU	TEOEUJ	TEOEUJ			ROEU	ROEU	ROEU	ROEU		
EUROPE EURO ZONE DIVERSIFIED INDEX	EPED	EPEDU	EPEDG	EPEDJ	EPEDA		TEPEDE	TEPEDU	TEPEDG	TEPEDJ	TEPEDA							
EUROPE EURO ZONE INDEX	EPEU	UPEU	GPEU	YPEU			RPEU	RUPEU	RPEU	RYEU			NEPEU	NUPEU	NPPEU	NYPEU		
EUROPE EURO ZONE INDUSTRIAL INDEX	EPEIE	EPEIU	EPEIG	EPEIJ	EPEIA		TEPEIE	TEPEIU	TEPEIG	TEPEIJ	TEPEIA							
EUROPE EURO ZONE OFFICE INDEX	EPEFE	EPEFU	EPEFG	EPEFJ	EPEFA		TEPEFE	TEPEFU	TEPEFG	TEPEFJ	TEPEFA							
EUROPE EURO ZONE RESIDENTIAL INDEX	EPERE	EPERU	EPERG	EPERJ	EPERA		TEPERE	TEPERU	TEPERG	TEPERJ	TEPERA							
EUROPE EURO ZONE RETAIL INDEX	EPETE	EPETU	EPETG	EPETJ	EPETA		TEPETE	TEPETU	TEPETG	TEPETJ	TEPETA							
EUROPE EX UK CAPPED INDEX	EOUK	EOUKU	EOUKG	EOUKJ			TEOUKE	TEOUKU	TEOUKG	TEOUKJ			ROUK	ROUK	ROUK	ROUK		
EUROPE EX UK DIVIDEND+ INDEX	ENDP																	
EUROPE EX UK INDEX	EOUK	UXUK	GXUK	YXUK			RXUK	RUXUK	RGXUK	RYXUK			REXUK	NUXUK	NPXUK	NYXUK		
EUROPE EX UK LIQUID INDEX	GSLOEUE	GSLOEUU	GSLOEUG	GSLOEUJ	GSLOEUA	GSLOEUH (HKD), GSLOEUS (SGD)	TGSLOEUE	TGSLOEUU	TGSLOEUG	TGSLOEUJ	TGSLOEUA	TGSLOEUH (HKD), TGSLOEUS (SGD)						
EUROPE HEALTHCARE INDEX	EPH	UPH	PPH	YPH			TEPH	TEPHU	TEPHG	TEPHJ	TEPHA							
EUROPE INDEX	EPRA	UPRA	PPRA	YPR			RPR	RUPRA	RPPRA	RYRA			NEPRA	NUPRA	NPPRA	NYPRA		
EUROPE INDUSTRIAL INDEX	EPRI	UPRIU	PPRI	YPRI			TEPRI	TEPRIU	TEPRIG	TEPRIJ	TEPRIA							
EUROPE LIQUID 40 CAPPED INDEX INDEX	SOEL	SOELU	SOELG	SOELJ			TSOEL	TSOELU	TSOELG	TSOELJ			ROEL	ROEL	ROEL	ROEL		
EUROPE LIQUID 40 EX UK CAPPED INDEX	SOXU	SOXUU	SOXUG	SOXUJ			TSOXU	TSOXUU	TSOXUG	TSOXUJ			ROXU	ROXU	ROXU	ROXU		
EUROPE LIQUID 40 EX UK INDEX	SSXU	USXU	PSXU	YSXU			RSXU	RUSX	RPXU	RYXU			NSXU	NUSXU	NPSXU	NYSXU		
EUROPE LIQUID 40 INDEX	SSEL	USEL	PSEL	YSEL			RSSL	RUSE	RPEL	RYSE			NSSL	NUSSL	NPSSL	NYSSL		
EUROPE LODGINGS/RESORTS INDEX	EPRL	UPRLU	PPRL	YPR			TEPRL	TEPRLU	TEPRLG	TEPRLJ	TEPRLA							
EUROPE NON-REITS INDEX	ENEE	ENEEU	ENEEG	ENEJ	ENEEA		TENEE	TENEEU	TENEEG	TENEEJ	TENEEA							
EUROPE OFFICE INDEX	EPRF	UPRFU	PPRF	YPRF			TEPRF	TEPRFU	TEPRFG	TEPRFJ	TEPRFA							
EUROPE REITS INDEX	EREE	EREEU	EREEG	EREEJ	EREEA		TEREE	TEREEU	TEREEG	TEREEJ	TEREEA							
EUROPE RESIDENTIAL INDEX	EPRE	UPREU	PPRE	YPRE			TEPRE	TEPREU	TEPRG	TEPREJ	TEPREA							
EUROPE RETAIL INDEX	EPRT	UPRTU	PPRT	YPR			TEPRT	TEPRTU	TEPRTG	TEPRTJ	TEPRTA							
EUROPE SELF STORAGE INDEX	EPRS	UPRSU	PPRS	YPRS			TEPRS	TEPRSU	TEPRSG	TEPRSJ	TEPRSA							
EUROPE SPECIALTY INDEX	EPRP	UPRP	PPRP	YPRP			TEPRP	TEPRPU	TEPRPG	TEPRPJ	TEPRPA							
EUROPE UK RESTRICTED INDEX	EPHG	UPHG	PPHG	YPHG			RPHG	RUPHG	RPPHG	RYPHG			TRPHGE	TRPHGU	TRPHGG	TRPHGJ		
EUROPE EMERGING INDEX	FENEU																	
EMEA EMERGING INDEX	FENEM																	
FINLAND INDEX	EPFI	UPFI	PPFI	YFPI			RPFI	RUPFI	RPPFI	RYFI			TRPFIE	TRPFIU	TRPFIG	TRPFU		
FRANCE INDEX	EPFR	UPFR	PPFR	YFFR			RPRF	RUPFR	RPPFR	RYFR			TRPFRE	TRPFRU	TRPFRG	TRPFRJ		

Data Vendor Codes - Indices



	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
GERMANY INDEX	EPGR	UPGR	PPGR	YPGR			RPGR	RUPGR	RPPGR	RYGR			TRPGRE	TRPGRU	TRPGRG	TRPGRJ		
GLOBAL DIVERSIFIED INDEX	ENGVD	ENGVDU	ENGVDG	ENGVDJ	ENGVA		TENGVE	TENGVDU	TENGVG	TENGVDJ	TENGVA							
GLOBAL DIVIDEND+ INDEX	EGSD																	
GLOBAL EX ASIA INDEX	EGXA	UGXA	PGXA	YGXA			REXA	RUXA	RPXA	RYXA			TRGXAE	TRGXAU	TRGXAG	TRGXAJ		
GLOBAL EX ASIA NON-REITS INDEX	ENXAE	ENXAU	ENXAG	ENXAJ			TENXAE	TENXAU	TENXAG	TENXAJ								
GLOBAL EX ASIA REITS INDEX	ERXAE	ERXAU	ERXAG	ERXAJ			TERXAE	TERXAU	TERXAG	TERXAJ								
GLOBAL EX AUSTRALIA HEDGED IN AUD INDEX					EGAAL						TEGAAL							
GLOBAL EX AUSTRALIA HEDGED IN USD INDEX		EGAHU						TEGAHU										
GLOBAL EX AUSTRALIA INDEX		GAXAU			GAXAA			TGAXAU			TGAXAA			TRAXAU				TRAXAA
GLOBAL EX AUSTRALIA NON-RENTAL IN AUD HEDGED INDEX		GAHNU			GAHNA			TGAHNU			TGAHNA							
GLOBAL EX AUSTRALIA NON-RENTAL IN AUD UNHEDGED INDEX		GAUNU			GAUNA			TGAUNU			TGAUNA							
GLOBAL EX AUSTRALIA RENTAL IN AUD HEDGED INDEX		GAHRU			GAHRA			TGAHRU			TGAHRA							
GLOBAL EX AUSTRALIA RENTAL IN AUD UNHEDGED INDEX		GAURU			GAURA			TGAURU			TGAURA							
GLOBAL EX EUROPE INDEX	EGXE	UGXE	PGXE	YGXE			REXE	RUXE	RPXE	RYXE			TRGXEE	TRGXEU	TRGXEG	TRGX EJ		
GLOBAL EX EUROPE NON-REITS INDEX	ENXEE	ENXEU	ENXEG	ENXEJ			TENXEE	TENXEU	TENXEG	TENXEJ								
GLOBAL EX EUROPE REITS INDEX	ERXEE	ERXEU	ERXEG	ERXEJ			TERXEE	TERXEU	TERXEG	TERXEJ								
GLOBAL EX JAPAN INDEX	EGXJE	EGXJU	EGXJG	EGXJJ			TEGXJE	TEGXJU	TEGXJG	TEGXJJ			TRGXJE	TRGXJU	TRGXJG	TRGXJJ		
GLOBAL EX NORTH AMERICA	EGXN	UGXN	PGXN	YGXN			REXN	RUJN	RPXN	RYXN			TRGXNE	TRGXNU	TRGXNG	TRGXNJ		
GLOBAL EX US INDEX	EUGXU	EGXU	PGXU	YGXU			REUGXU	REGXU	RPGXU	RYGXU			TRGXUE	TRGXUU	TRGXUG	TRGXUJ		
GLOBAL EX US LIQUID INDEX	GSLXUSE	GSLXUSU	GSLXUSG	GSLXUSJ	GSLXUSA	GSLXUSH (HKD), GSLXUSS (SGD)	TGSLXUSE	TGSLXUSU	TGSLXUSG	TGSLXUSJ	TGSLXUSA	TGSLXUSH (HKD), TGSLXUSS (SGD)						
GLOBAL EX US NON-REITS INDEX	ENXUE	ENXUU	ENXUG	ENXUJ			TENXUE	TENXUU	TENXUG	TENXUJ								
GLOBAL EX US REITS INDEX	ERXUE	ERXUU	ERXUG	ERXUJ			TERXUE	TERXUU	TERXUG	TERXUJ								
GLOBAL HEALTHCARE INDEX	ENGEE	ENGEU	ENGEG	ENG EJ	ENG EA		TENGEE	TENG EU	TENG EG	TENG EJ	TENG EA							
GLOBAL HEDGED IN AUD INDEX					EGHAA						TEGHAA							
GLOBAL INDEX	ENGL	UNGL	PNGL	YNGL			RNGL	RUGL	RPGL	RYGL			TRNGLE	TRNGLU	TRNGLG	TRNGLJ		
GLOBAL INDUSTRIAL INDEX	ENGIE	ENGIU	ENGI G	ENGIJ	ENGI A		TENGIE	TENGIU	TENGI G	TENGIJ	TENGI A							
GLOBAL INDUSTRIAL/OFFICE INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
GLOBAL LIQUID INDEX	GSLQGLE	GSLQGLU	GSLQGLG	GSLQGLJ	GSLQGLA	GSLQGLH (HKD), GSLQGLS (SGD)	TGSLQGLE	TGSLQGLU	TGSLQGLG	TGSLQGLJ	TGSLQGLA	TGSLQGLH (HKD), TGSLQGLS (SGD)						
GLOBAL LODGINGS/RESORTS INDEX	ENGOE	ENGOU	ENGO G	ENGOJ	ENGO A		TENGOE	TENGOU	TENGO G	TENGOJ	TENGO A							
GLOBAL NON-REITS INDEX	ENRGE	ENRGU	ENRG G	ENRGJ	ENRG A		TENRGE	TENRGU	TENRG G	TENRGJ	TENRG A							
GLOBAL OFFICE INDEX	ENGF E	ENGFU	ENGF G	ENGFJ	ENGF A		TENGF E	TENGFU	TENGF G	TENGFJ	TENGF A							
GLOBAL REITS INDEX	ERGLU																	
GLOBAL REITS INDEX	ERGLE	ERGLU	ERGLG	ERGLJ			TERGLE	TERGLU	TERGLG	TERGLJ								
GLOBAL RESIDENTIAL INDEX	ENGAE	ENGAU	ENGAG	ENGAJ	ENGA A		TENGA E	TENGAU	TENGAG	TENGAJ	TENGA A							
GLOBAL RETAIL INDEX	ENGTE	ENG TU	ENG TG	ENG TJ	ENG TA		TENGTE	TENGTU	TENGTG	TENGTJ	TENGT A							
GLOBAL SELF STORAGE INDEX	ENGSE	ENG SU	ENG SG	ENG SJ	ENG SA		TENGSE	TENGSU	TENGSG	TENG SJ	TENG SA							
GLOBAL SPECIALTY INDEX	ENGPE	ENGPU	ENGP G	ENGPJ	ENGP A		TENGPE	TENGPU	TENGP G	TENGPJ	TENGP A							
GREECE INDEX	EPGC	UPGC	PPGC	YPGC			RPGC	RUGC	RPPC	RYGC			TRPGCE	TRPGCU	TRPGCG	TRPGCJ		
HONG KONG INDEX	ENHK	USHK	PLHK	YLHK	ELHK (HKD)		REHK	RUHK	RPHK	RYHK		RHHK (HKD)						TRLHKL (HKD)
HUNGARY INDEX																		
IRELAND INDEX	EP IR	UPIR					RPIR	RUPIR					TRPIRE	TRPIRU	TRPIRG	TRPIRJ		TRPHUL (HUG)
ITALY INDEX	EPIT	UPIT	PPIT	YPIT			RPI T	RUPIT	RPII	RYIT			TRPIRE	TRPIRU	TRPIRG	TRPIRJ		
JAPAN INDEX	ENJP	UNJP	PNJP	ELJP			REJP	RUJP	RPLJ	RYJP			TRPJPE	TRPJPU	TRPJPG	TRPJ PJ		
JAPAN LIQUID INDEX	LIQELJE	LIQELJU	LIQELJG	LIQELJ J	LIQELJ A	LIQELJH (HKD), LIQELJS (SGD)	TLIQELJE	TLIQELJU	TLIQELJG	TLIQELJ J	TLIQELJ A	TLIQELJH (HKD), TLIQELJS (SGD)						
NETHERLANDS INDEX	EPNL	UNPNL	PPNL	YPNL			RPNL	RUPNL	RPPN	RYNL			TRPNLE	TRPNLU	TRPNLG	TRPNLJ		
NEW ZEALAND INDEX	ENNZ	UNNZ	PNNZ	YNNZ	ELNZ (NZD)		RENNZ	RUNNZ	RPNZ	RYNZ		RLPNZ (NZD)						TRLNZL (NZD)
NORTH AMERICA DIVERSIFIED INDEX	EGNDE	EGNDU	EGNDG	EGNDJ	EGND A		TENGNDE	TENGN DU	TENGN DG	TENGN DJ	TENGN DA							
NORTH AMERICA HEALTHCARE INDEX	EGNHE	EGNHU	EGNHG	EGNHJ	EGNH A		TENGNHE	TENGN HU	TENGN HG	TENGN HJ	TENGN HA							
NORTH AMERICA INDEX	EGNA	UGNA	PGNA	YGNA			REGN	RUGN	RPGN	RYNA			TRGNAE	TRGNAU	TRGNAG	TRGNAJ		
NORTH AMERICA INDUSTRIAL INDEX	EGNIE	ENGIU	ENGI G	ENGIJ	ENGI A		TENGNIE	TENGIU	TENGI G	TENGIJ	TENGI A							
NORTH AMERICA LIQUID INDEX	GSLQNAE	GSLQNAU	GSLQNAG	GSLQNAJ	GSLQNA A	GSLQNAH (HKD), GSLQNAS (SGD)	TGSLQNAE	TGSLQNAU	TGSLQNAG	TGSLQNAJ	TGSLQNA A	TGSLQNAH (HKD), TGSLQNAS (SGD)						
NORTH AMERICA LODGINGS RESORTS INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA INDUSTRIAL/OFFICE MIXED INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA OFFICE INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA RESIDENTIAL INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA RETAIL INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA SELF STORAGE INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORTH AMERICA SPECIALTY INDEX	ENGM E	ENGMU	ENGM G	ENGMJ	ENGM A		TENGM E	TENGMU	TENGM G	TENGMJ	TENGM A							
NORWAY INDEX	ENPK	UPNK			ELNK (NOK)		RPNK	RUPNK				RLNK (NOK)	TRLNKE	TRLNKU	TRLNKG	TRLNKJ		TRLNKL (NOK)
MIDDLE EAST/AFRICA EMERGIN INDEX	FENME																	
POLAND INDEX	EPPT	UPPT					RPP T	RUPPT					TRPPOE	TRPPOU	TRPPOG	TRPPOJ		TRPPOL (PLN)
PORTUGAL INDEX													TRPPT E	TRPPTU	TRPPTG	TRPPTJ		
PURE ASIA EX AUSTRALIA INDEX	EGPA	UGPA	PGPA	YGPA			TEFPAEAE						TRGPAE	TRGPAU	TRGPAG	TRGPAJ		
PURE ASIA INDEX	EGPA	UGPA	PGPA	YGPA			REPAU	RAUJ	RPPA	RYPA	RLPA		TRPAUE	TRPAUJ	TRPAUG	TRPAUJ	TRPAUL	
PURE AUSTRALIA INDEX	EP AU	UPAU	PPAU	YPAU	LPAU		REPAU	RAUJ	RPPA	RYPA	RLPA		TRPAUE	TRPAUJ	TRPAUG	TRPAUJ	TRPAUL	
SINGAPORE INDEX	ENSI	UNSI	PN SI	YLSI	ELSI (SGD)		RESI	RUSI	RPSI	RYSI		RDSI (SGD)	TRLSIE	TRLSIU	TRLSIG	TRLSIJ		TRLSIL (SGD)
SOUTH KOREA INDEX													TRPKRE	TRPKRU	TRPKRG	TRPKRJ		TRPKRL (KRW)
SPAIN INDEX	EPSP	UPSP	PPSP	YPSP			RPS P	RUPSP	RPPS	RYSP			TRPSPE	TRPSPU	TRPSPG	TRPSPJ		
SWEDEN INDEX	EP SD	UPSD	PPSD	YPSD	ELSD (SEK)		RPSD	RUPSD	RPLSD	RYSD		RLSD (SEK)	TRLSDE	TRLSDU	TRLSDG	TRLSDJ		TRLSDL (SEK)
SWITZERLAND INDEX	EP SW	UPSW	PPSW	YPSW	ELSW (CHF)		RPSW	RUPSW	RPLSW	RYSW		RLSW (CHF)	TRLSWE	TRLSWU	TRLSWG	TRLSWJ		TRLSWL (CHF)

Data Vendor Codes - Indices



	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
UK DIVERSIFIED INDEX	ELUDE	ELUDU	ELUDG	ELUDJ	ELUDA		TELUDE	TELUDU	TELUJG	TELUJ	TELUJA							
UK HEALTHCARE INDEX	ELUHE	ELUHU	ELUHG	ELUHJ	ELUHA		TELUHE	TELUHU	TELUHG	TELUHJ	TELUHA							
UK INDEX	ELUK	ELUK	ELUK	ELUK	ELUK		RPUK	RPUK	RLUK	RYUK			NEPUK	NUPUK	NPPUK	NYPUK		
UK INDUSTRIAL INDEX	ELUIE	ELUIU	ELUIG	ELUIJ	ELUIA		TELUIE	TELUIU	TELUIG	TELUIJ	TELUIA							
UK LIQUID INDEX	LIQELIE	LIQELIU	LIQELUG	LIQELUJ	LIQELUA	LIQELUH (HKD), LIQELUS (SGD)	TLQELIE	TLQELIU	TLQELUG	TLQELUJ	TLQELUA	TLQELUH (HKD), TLQELUS (SGD)						
UK LODGINGS/RESORTS INDEX	ELULE	ELULU	EULUG	EULUJ	ELULA		TELULE	TEULU	TEULUG	TEULUJ	TEULUA							
UK NON-REITS INDEX	ENUKNRE	ENUKNRU	ENUKNRG	ENUKNRJ			TENUKNRE	TENUKNRU	TENUKNRG	TENUKNRJ								
UK OFFICE INDEX	ELUFE	ELUFU	ELUFG	ELUFJ	ELUFA		TELUFE	TELUFU	TELUFG	TELUFJ	TELUFA							
UK PROPERTY INDEX	INAVEUPE	INAVEUPU	INAVEUPG			INAVEUPC (CHF)												
UK REITS INDEX	ENUKRE	ENUKRU	ENUKRG	ENUKRJ			TENUKRE	TENUKRU	TENUKRG	TENUKRJ								
UK RESIDENTIAL INDEX	ELUEE	ELUEU	ELUEG	ELUEJ	ELUEA		TELUEE	TELUEU	TELUEG	TELUEJ	TELUEA							
UK RETAIL INDEX	ELUTE	ELUTU	ELUTG	ELUTJ	ELUTA		TELUTE	TELUTU	TELUTG	TELUTJ	TELUTA							
UK SELF STORAGE INDEX	ELUSE	ELUSU	ELUSG	ELUSJ	ELUSA		TELUSE	TELUSU	TELUSG	TELUSJ	TELUSA							
UK SPECIALTY INDEX	ELUPE	ELUPU	ELUPG	ELUPJ	ELUPA		TELUPE	TELUPU	TELUPG	TELUPJ	TELUPA							
US DIVERSIFIED INDEX	UNUDE	UNUDU	UNUDG	UNUDJ	UNUDA		TUNUDE	TUNUDU	TUNUDG	TUNUDJ	TUNUDA							
US DIVIDEND+ INDEX	ENUD																	
US HEALTHCARE INDEX	UNUHE	UNUHU	UNUHG	UNUHJ	UNUHA		TUNUHE	TUNUHU	TUNUHG	TUNUHJ	TUNUHA							
US INDEX	ENUS	UNUS	PNUS	YNUS			REUS	RJUS	RPNU	RYUS			TRNUSE	TRNUSU	TRNUSG	TRNUSJ		
US INDUSTRIAL INDEX	UNUIE	UNUIU	UNUIG	UNUIJ	UNUIA		TUNUIE	TUNUIU	TUNUIG	TUNUIJ	TUNUIA							
US INDUSTRIAL/OFFICE MIXED INDEX	UNUME	UNUMU	UNUMG	UNUMJ	UNUMA		TUNUME	TUNUMU	TUNUMG	TUNUMJ	TUNUMA							
US LODGINGS/RESORTS INDEX	UNULE	UNULU	UNULG	UNULJ	UNULA		TUNULE	TUNULU	TUNULG	TUNULJ	TUNULA							
US OFFICE INDEX	UNUFA	UNUFU	UNUFG	UNUFJ	UNUFA		TUNUFA	TUNUFU	TUNUFG	TUNUFJ	TUNUFA							
US RESIDENTIAL INDEX	UNUEE	UNUEU	UNUEG	UNUEJ	UNUEA		TUNUEE	TUNUEU	TUNUEG	TUNUEJ	TUNUEA							
US RETAIL INDEX	UNUTE	UNUTU	UNUTG	UNUTJ	UNUTA		TUNUTE	TUNUTU	TUNUTG	TUNUTJ	TUNUTA							
US SELF STORAGE INDEX	UNUOE	UNUOU	UNUOG	UNUOJ	UNUOA		TUNUOE	TUNUOU	TUNUOG	TUNUOJ	TUNUOA							
US SPECIALTY INDEX	UNUPE	UNUPU	UNUPG	UNUPJ	UNUPA		TUNUPE	TUNUPU	TUNUPG	TUNUPJ	TUNUPA							

Data Vendor Codes - Indices

REUTERS



	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
AMERICAS EMERGING INDEX	.FTENEL																	
ASIA 33 INDEX	.FTENAE3						.FTENA3											
ASIA DIVIDEND+ INDEX	.FTENAD						.FTENAD											
ASIA EMERGING INDEX	.FTENEA																	
ASIA EX AUSTRALIA INDEX																		
ASIA INDEX	.FTEGAS	.FTUGAS					.FTEGASE	.FTEGASU	.FTEGASY	.FTEGASS		.FTEGASL	.FTTRPAAE	.FTTRPAAU	.FTTRPAAS	.FTTRPAAY		.FTTRPAAL
ASIA NON-REITS INDEX							.FTENASE	.FTENASU	.FTENASS	.FTENASY		.FTENASL	.FTFNASE	.FTFNASU	.FTFNASS	.FTFNASY		.FTFNASL
ASIA REITS INDEX							.FTERASE	.FTERASU	.FTERASS	.FTERASY		.FTERASL	.FTFRASE	.FTFRASU	.FTFRASS	.FTFRASY		.FTFRASL
AUSTRALIA INDEX				.FTELAU			.FTELAU	.FTELAUU	.FTELAUJ	.FTELAU		.FTELAU	.FTTELAU	.FTTELAUU	.FTTELAUJ	.FTTELAUJ		.FTTELAUL
AUSTRIA INDEX							.FTEPASE	.FTEPASU	.FTEPASJ	.FTEPASS		.FTEPASL	.FTFRPASE	.FTFRPASU	.FTFRPASS	.FTFRPASJ		.FTFRPASL
BELGIUM INDEX							.FTBPBLE	.FTBPBLU	.FTBPBLJ	.FTBPBLS		.FTBPBL	.FTFRPBLE	.FTFRPBLU	.FTFRPBLJ	.FTFRPBLJ		.FTFRPBL
CANADA INDEX							.FTELCAE	.FTELCAU	.FTELCAJ	.FTELCAS		.FTELCAL	.FTTELCAE	.FTTELCAU	.FTTELCAJ	.FTTELCAJ		.FTTELCA
CZECH INDEX																		
DENMARK INDEX							.FTELDK	.FTELDKU	.FTELDKJ	.FTELDKS		.FTELDKL	.FTTELDK	.FTTELDKU	.FTTELDKS	.FTTELDKJ		.FTTELDKL
EMERGING MARKET INDEX	.FTENEI																	
EUROPE CAPPED INDEX	.FTEORA						.FTEORA											
EUROPE EURO ZONE CAPPED INDEX	.FTEOEU						.FTEOEU											
EUROPE EURO ZONE INDEX	.FTEPEU						.FTEPEU	.FTEPEUU	.FTEPEUJ	.FTEPEUS		.FTEPEUL	.FTFRPEU	.FTFRPEUU	.FTFRPEUJ	.FTFRPEUJ		.FTFRPEUL
EUROPE EX UK CAPPED INDEX	.FTEOUK						.FTEOUK											
EUROPE EX UK DIVIDEND+ INDEX	.FTENDP																	
EUROPE EX UK INDEX	.FTXUK						.FTXUK	.FTXUKU	.FTXUKJ	.FTXUKS		.FTXUKL	.FTFRXUK	.FTFRXUKU	.FTFRXUKJ	.FTFRXUKJ		.FTFRXUKL
EUROPE INDEX	.FTEPRA	.FTUPRA					.FTEPRAE	.FTEPRAU	.FTEPRAJ	.FTEPRAS		.FTEPRAL	.FTFRPRAE	.FTFRPRAU	.FTFRPRAS	.FTFRPRAJ		.FTFRPRAL
EUROPE LIQUID 40 EX UK INDEX							.FTSSXU	.FTSSXUU	.FTSSXUJ	.FTSSXUS		.FTSSXUL	.FTTSSXU	.FTTSSXUU	.FTTSSXUJ	.FTTSSXUJ		.FTTSSXUL
EUROPE LIQUID 40 INDEX							.FTSSELE	.FTSSELU	.FTSSELU	.FTSSELS		.FTSSELL	.FTTSSLE	.FTTSSLEU	.FTTSSSEL	.FTTSSSEL		.FTTSSSEL
EUROPE NON-REITS INDEX	.FTENEE						.FTENEE											
EUROPE REITS INDEX	.FTEREE						.FTEREE											
EUROPE UK RESTRICTED INDEX	.FTEPHG						.FTEPHGE	.FTEPHGU	.FTEPHGJ	.FTEPHGS		.FTEPHGL	.FTFRPHG	.FTFRPHGU	.FTFRPHGJ	.FTFRPHGJ		.FTFRPHGL
EUROPE EMERGING INDEX	.FTENEM																	
EMEA EMERGING INDEX																		
FINLAND INDEX							.FTFPFI	.FTFPFIU	.FTFPFIJ	.FTFPFIS		.FTFPFIL	.FTFRPFI	.FTFRPFIU	.FTFRPFIS	.FTFRPFIJ		.FTFRPFI
FRANCE INDEX							.FTFPFR	.FTFPFRU	.FTFPFRJ	.FTFPFRS		.FTFPFRL	.FTFRPFR	.FTFRPFRU	.FTFRPFRJ	.FTFRPFRJ		.FTFRPFR
GERMANY INDEX							.FTFPGR	.FTFPGRU	.FTFPGRJ	.FTFPGRS		.FTFPGRL	.FTFRPGR	.FTFRPGRU	.FTFRPGRJ	.FTFRPGRJ		.FTFRPGR
GLOBAL DIVIDEND+ INDEX	.FTENGD						.FTENGED											
GLOBAL EX ASIA INDEX							.FTEGXAE	.FTEGXAU	.FTEGXAJ	.FTEGXAS		.FTEGXAL	.FTFRGXAE	.FTFRGXAU	.FTFRGXAJ	.FTFRGXAJ		.FTFRGXAL
GLOBAL EX ASIA NON-REITS INDEX							.FTENXAE	.FTENXAU	.FTENXAJ	.FTENXAS		.FTENXAL	.FTFRXAE	.FTFRXAU	.FTFRXAJ	.FTFRXAJ		.FTFRXAL
GLOBAL EX ASIA REITS INDEX							.FTERXAE	.FTERXAU	.FTERXAJ	.FTERXAS		.FTERXAL	.FTFRXAE	.FTFRXAU	.FTFRXAJ	.FTFRXAJ		.FTFRXAL
GLOBAL EX AUSTRALIA HEDGED IN AUD INDEX											.FTEGAA			.FTTEGAA				
GLOBAL EX AUSTRALIA HEDGED IN USD INDEX											.FTTRAXA			.FTTEGAH				.FTTEGAH
GLOBAL EX AUSTRALIA INDEX																		
GLOBAL EX EUROPE INDEX							.FTEGXEE	.FTEGXEU	.FTEGXEU	.FTEGXES		.FTEGXEL	.FTFRGXEE	.FTFRGXEU	.FTFRGXES	.FTFRGXEU		.FTFRGXEL
GLOBAL EX EUROPE NON-REITS INDEX							.FTENXEE	.FTENXEU	.FTENXES	.FTENXEY		.FTENXEL	.FTFRNEXE	.FTFRNEXEU	.FTFRNEXES	.FTFRNEXEU		.FTFRNEXEL
GLOBAL EX EUROPE REITS INDEX							.FTERXEE	.FTERXEU	.FTERXES	.FTERXEY		.FTERXEL	.FTFRNEXE	.FTFRNEXEU	.FTFRNEXES	.FTFRNEXEU		.FTFRNEXEL
GLOBAL EX JAPAN INDEX													.FTFRGXJ	.FTFRGXJU	.FTFRGXJ	.FTFRGXJ		.FTFRGXJ
GLOBAL EX NORTH AMERICA INDEX							.FTEGXNE	.FTEGXNU	.FTEGXNY	.FTEGXNS		.FTEGXNL	.FTFRGXNE	.FTFRGXNU	.FTFRGXNS	.FTFRGXNY		.FTFRGXNL
GLOBAL EX NORTH AMERICA REITS INDEX													.FTFRXUE	.FTFRXUU	.FTFRXUS	.FTFRXUY		.FTFRXUL
GLOBAL EX US INDEX	.FTEGXO						.FTENXUE	.FTENXUU	.FTENXUS	.FTENXUY		.FTENXUL	.FTFRXUE	.FTFRXUU	.FTFRXUS	.FTFRXUY		.FTFRXUL
GLOBAL EX US NON-REITS INDEX							.FTERXUE	.FTERXUU	.FTERXUS	.FTERXUY		.FTERXUL						
GLOBAL EX US REITS INDEX																		
GLOBAL HEDGED IN AUD INDEX											.FTSEGHAA							
GLOBAL HEDGED IN USD INDEX																		
GLOBAL INDEX	.FTENGL	.FTUNGL					.FTENGL	.FTENGLU	.FTENGLJ	.FTENGLS		.FTENGLL	.FTFRNGLE	.FTFRNGLU	.FTFRNGLS	.FTFRNGLJ		.FTFRNGLL
GLOBAL NON-REITS INDEX							.FTENRGE	.FTENRGU	.FTENRGS	.FTENRGY		.FTENRGL	.FTFRNGE	.FTFRNGU	.FTFRNGS	.FTFRNGJ		.FTFRNGL
GLOBAL REITS INDEX							.FTERGLE	.FTERGLU	.FTERGLS	.FTERGLY		.FTERGLL	.FTFRNGE	.FTFRNGU	.FTFRNGS	.FTFRNGJ		.FTFRNGL
GREECE INDEX							.FTEPGCE	.FTEPGCU	.FTEPGCY	.FTEPGCS		.FTEPGCL	.FTFRPGCE	.FTFRPGCU	.FTFRPGCS	.FTFRPGCY		.FTFRPGCL
HONG KONG INDEX							.FTLHK	.FTLHKU	.FTLHKJ	.FTLHKS		.FTLHKL	.FTTELHKE	.FTTELHKU	.FTTELHKS	.FTTELHKJ		.FTTELHKL
HUNGARY INDEX																		
IRELAND INDEX							.FTEPIRE	.FTEPIRU	.FTEPIRJ	.FTEPIRS		.FTEPIRL	.FTFRPIRE	.FTFRPIRU	.FTFRPIRS	.FTFRPIRJ		.FTFRPIRL
ITALY INDEX							.FTEPITE	.FTEPITU	.FTEPITJ	.FTEPITS		.FTEPITL	.FTFRPITE	.FTFRPITU	.FTFRPITS	.FTFRPITJ		.FTFRPITL
JAPAN INDEX							.FTLJP	.FTLJPU	.FTLJPJ	.FTLJPS		.FTLJPL	.FTTELJPE	.FTTELJPU	.FTTELJPS	.FTTELJPJ		.FTTELJPL
NETHERLANDS INDEX							.FTEPNLE	.FTEPNLU	.FTEPNLJ	.FTEPNLS		.FTEPNLL	.FTFRPNLE	.FTFRPNLU	.FTFRPNLS	.FTFRPNLJ		.FTFRPNLL
NEW ZEALAND INDEX							.FTLNZE	.FTLNZU	.FTLNZJ	.FTLNZS		.FTLNZL	.FTTELNZE	.FTTELNZU	.FTTELNZS	.FTTELNZJ		.FTTELNZL
NORTH AMERICA INDEX	.FTEGNA	.FTUGNA					.FTEGNAE	.FTEGNAU	.FTEGNAY	.FTEGNAS		.FTEGNAL	.FTFRGNAE	.FTFRGNAU	.FTFRGNAS	.FTFRGNAY		.FTFRGNAL
NORWAY INDEX							.FTLNKE	.FTLNKU	.FTLNKJ	.FTLNKS		.FTLNKL	.FTTELNKE	.FTTELNKU	.FTTELNKS	.FTTELNKJ		.FTTELNKL
MIDDLE EAST/AFRICA EMERGING INDEX	.FTENME																	
POLAND INDEX																		
PORTUGAL INDEX							.FTEPPT	.FTEPPTU	.FTEPPTJ	.FTEPPTS		.FTEPPTL	.FTFRPPE	.FTFRPPTU	.FTFRPPTS	.FTFRPPTJ		.FTFRPPTL
PURE ASIA INDEX							.FTEGPAE	.FTEGPAU	.FTEGPAY	.FTEGPAS		.FTEGPAL	.FTFRGPAE	.FTFRGPAU	.FTFRGPAS	.FTFRGPAY		.FTFRGPAL
PURE AUSTRALIA INDEX							.FTLPAUE	.FTLPAUJ	.FTLPAUJ	.FTLPAUS		.FTLPAUL	.FTTELPAUE	.FTTELPAUJ	.FTTELPAUS	.FTTELPAUJ		.FTTELPAUL
SINGAPORE INDEX							.FTLSIE	.FTLSIU	.FTLSIJ	.FTLSIS		.FTLSIL	.FTTELSIE	.FTTELSIU	.FTTELSIS	.FTTELSIJ		.FTTELSIL
SOUTH KOREA INDEX																		

Data Vendor Codes - Indices

REUTERS



	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
SPAIN INDEX							.FTEPSPE	.FTEPSPU	.FTEPSPY	.FTEPSPS		.FTEPSPL	.FTFRPSPE	.FTFRPSPU	.FTFRPSPS	.FTFRPSPY		.FTFRPSPL
SWEDEN INDEX							.FTELSDE	.FTELSDU	.FTELSDY	.FTELSDS		.FTELSDL	.FTFELSDE	.FTFELSDU	.FTFELSDS	.FTFELSDY		.FTFELSDL
SWITZERLAND INDEX							.FTELSWE	.FTELSWU	.FTELSWY	.FTELSWS		.FTELSWL	.FTFELSWE	.FTFELSWU	.FTFELSDS	.FTFELSWY		.FTFELSWL
UK INDEX			.FTELUK				.FTELUKE	.FTELUKU	.FTELUKY	.FTELUKS		.FTELUKL	.FTFRPUKE	.FTFRPUKU	.FTFRPUKS	.FTFRPUKY		.FTFRPUKL
UK NON-REITS INDEX							.FTENUKRE	.FTENUKRU	.FTENUKRS	.FTENUKRY		.FTENUKRS						
UK REITS INDEX							.FTENUKRE	.FTENUKRU	.FTENUKRS	.FTENUKRY		.FTENUKRS						
US DIVIDEND+ INDEX	.FTENUD						.FTENUD											
US INDEX		.FTUNUS					.FTUNUSE	.FTUNUSU	.FTUNUSY	.FTUNUSS		.FTUNUSL	.FTUNUSE	.FTUNUSU	.FTUNUSS	.FTUNUSY		.FTUNUSL

Data Vendor Codes - Indices



DATASTREAM

Index	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
ASIA INDEX	EPRAAE PI	EPRASU PI	EPRASG PI				EPRAAE RI	EPRASU RI	EPRASG RI									
AUSTRALIA INDEX	EPRAAE PI	EPRAAU PI				EPRAAU PI	EPRAAE RI	EPRAAU RI				EPRAAU RI						
AUSTRIA INDEX	EPRAAU PI						EPRAAU RI	EPRAAU RI										
BELGIUM INDEX	EPRABG PI	EPRABG PI					EPRABG RI	EPRABG RI										
CANADA INDEX	EPRACAE PI	EPRACAU PI				EPRACAC PI	EPRACAE RI	EPRACAU RI				EPRACAC RI						
DENMARK INDEX	EPRADIE PI	EPRADKU PI				EPRADKD PI	EPRADIE RI	EPRADKU RI				EPRADKD RI						
EUROPE EURO ZONE INDEX	EPRAEZ PI	EPRAEZU PI	EPRAEZG PI				EPRAEZ RI	EPRAEZU RI	EPRAEZG RI									
EUROPE EX UK INDEX	EPRAXE PI	EPRAXLU PI					EPRAXE RI	EPRAXLU RI	EPRAXG RI									
EUROPE INDEX	EPRAXE PI	EPRAXU PI	EPRADG PI				EPRAXE RI	EPRAXU RI	EPRADG RI									
FINLAND INDEX	EPRAFNE PI	EPRAFNU PI					EPRAFNE RI	EPRAFNU RI										
FRANCE INDEX	EPRAFRE PI	EPRAFRU PI					EPRAFRE RI	EPRAFRU RI										
GERMANY INDEX	EPRAGRE PI	EPRAGRU PI					EPRAGRE RI	EPRAGRU RI										
GLOBAL EX ASIA INDEX	EPRGXAE PI	EPRGXAU PI	EPRGXAG PI				EPRGXAE RI	EPRGXAU RI	EPRGXAG RI									
GLOBAL EX EUROPE INDEX	EPRGXEE PI	EPRGXEU PI	EPRGXEG PI				EPRGXEE RI	EPRGXEU RI	EPRGXEG RI									
GLOBAL EX NORTH AMERICA INDEX	EPRXNAE PI	EPRXNAU PI	EPRXNAG PI				EPRXNAE RI	EPRXNAU RI	EPRXNAG RI									
GLOBAL INDEX	EPRAGLE PI	EPRAGLU PI	EPRAGLG PI				EPRAGLE RI	EPRAGLU RI	EPRAGLG RI									
HONG KONG INDEX	EPRAHKE PI	EPRAHKU PI				EPRAHKH PI	EPRAHKE RI	EPRAHKU RI				EPRAHKH RI						
IRELAND INDEX	EPRAIKE PI	EPRAIKU PI					EPRAIKE RI	EPRAIKU RI										
ITALY INDEX	EPRATE PI	EPRATU PI					EPRATE RI	EPRATU RI										
JAPAN INDEX	EPRAJPE PI	EPRAJPU PI				EPRAJPJ PI	EPRAJPE RI	EPRAJPU RI				EPRAJPJ RI						
NETHERLANDS INDEX	EPRANLE PI	EPRANLU PI					EPRANLE RI	EPRANLU RI										
NORTH AMERICA INDEX	EPRANAE PI	EPRANAU PI	EPRANAG PI				EPRANAE RI	EPRANAU RI	EPRANAG RI									
NORWAY INDEX	EPRANNE PI	EPRANNU PI				EPRANWN PI	EPRANNE RI	EPRANNU RI				EPRANWN RI						
PORTUGAL INDEX	EPRAPRE PI	EPRAPRU PI					EPRAPRE RI	EPRAPRU RI										
SINGAPORE INDEX	EPRASGE PI	EPRASGU PI					EPRASGE RI	EPRASGU RI										
SPAIN INDEX	EPRASPE PI	EPRASPU PI					EPRASPE RI	EPRASPU RI										
SWEDEN INDEX	EPRASWE PI	EPRASWU PI				EPRASWS PI	EPRASWE RI	EPRASWU RI				EPRASWS RI						
SWITZERLAND INDEX	EPRASZE PI	EPRASZU PI				EPRASZC PI	EPRASZE RI	EPRASZU RI				EPRASZC RI						
UK INDEX	EPRALKE PI	EPRALKU PI	EPRALKG PI				EPRALKE RI	EPRALKU RI	EPRALKG RI									
US INDEX	EPRALSE PI	EPRALSU PI					EPRALSE RI	EPRALSU RI										



THOMSON ONE

ASIA 33 INDEX	ENAS-LN																	
ASIA DIVIDEND+ INDEX	ENAD-LN																	
ASIA INDEX	EGAS-LN	UGAS-LN																
AUSTRALIA INDEX						ELAU-LN												
EUROPE CAPPED INDEX	EDRA-LN																	
EUROPE EURO ZONE CAPPED INDEX	EOEU-LN																	
EUROPE EURO ZONE INDEX	EPEU-LN																	
EUROPE EX UK CAPPED INDEX	EOUK-LN																	
EUROPE EX UK DIVIDEND+ INDEX	ENDP-LN																	
EUROPE EX UK INDEX	EXUK-LN	UPRA-LN																
EUROPE INDEX	EPRAL-LN																	
EUROPE NON-REITS INDEX	ENEE-LN																	
EUROPE REITS INDEX	EREE-LN																	
EUROPE UK RESTRICTED INDEX	EPHG-LN																	
GLOBAL DIVIDEND+ INDEX	ENGD-LN																	
GLOBAL EX US INDEX	EGXU-LN																	
GLOBAL INDEX	ENGL-LN	UNGL-LN																
HONG KONG INDEX						ELHK-LN												
JAPAN INDEX						ELJP-LN												
NORTH AMERICA INDEX	EGNA-LN	UGNA-LN																
UK INDEX						ELUK-LN												
US DIVIDEND+ INDEX	ENUD-LN																	
US INDEX		UNUS-LN																

Data Vendor Codes - Indices



THOMSON GLOBAL TOPIC

Index	Price Indices						Gross Total Return Indices						Net Total Return Indices					
	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local	EUR	USD	GBP	JPY	AUD	Local
ASIA 33 INDEX	=ENAS.FT																	
ASIA DIVIDEND+ INDEX	=ENAD.FT																	
ASIA INDEX	=EGAS.FT	=UGAS.FT																
AUSTRALIA INDEX						=ELAU.FT												
EUROPE CAPPED INDEX	=EDRA.FT																	
EUROPE EURO ZONE CAPPED INDEX	=E0EU.FT																	
EUROPE EURO ZONE INDEX	=EPAL.FT																	
EUROPE EX UK CAPPED INDEX	=E0UK.FT																	
EUROPE EX UK DIVIDEND+ INDEX	=ENDP.FT																	
EUROPE EX UK INDEX	=EXUK.FT																	
EUROPE INDEX	=EPRA.FT	=UPRA.FT																
EUROPE NON-REITS INDEX	=ENEF.FT																	
EUROPE REITS INDEX	=EREE.FT																	
EUROPE UK RESTRICTED INDEX	=EPHG.FT																	
GLOBAL DIVIDEND+ INDEX	=ENGD.FT																	
GLOBAL EX US INDEX	=EGXU.FT																	
GLOBAL INDEX	=ENGL.FT	=UNGL.FT																
HONG KONG INDEX																		=ELHK.FT
JAPAN INDEX																		=ELJP.FT
NORTH AMERICA INDEX	=EGNA.FT	=UGNA.FT																
UK INDEX																		=ELUK.FT
US DIVIDEND+ INDEX	=ENUD.FT																	
US INDEX		=UNUS.FT																



ASIA 33 INDEX	3220368																	
ASIA DIVIDEND+ INDEX	2677759																	
ASIA INDEX	1313678	1313682																
AUSTRALIA INDEX						1314427												
EUROPE CAPPED INDEX	3191123																	
EUROPE EURO ZONE CAPPED INDEX	3191105																	
EUROPE EURO ZONE INDEX	1125979																	
EUROPE EX UK CAPPED INDEX	3191135																	
EUROPE EX UK DIVIDEND+ INDEX	2289296																	
EUROPE EX UK INDEX	1148944																	
EUROPE INDEX	1125954	1148773																
EUROPE NON-REITS INDEX	3135083																	
EUROPE REITS INDEX	3135068																	
EUROPE UK RESTRICTED INDEX	1181456																	
GLOBAL DIVIDEND+ INDEX	2677743																	
GLOBAL EX US INDEX	2337044																	
GLOBAL INDEX	1313614	1313646																
HONG KONG INDEX																		1314349
JAPAN INDEX																		1314439
NORTH AMERICA INDEX	1313713	1314124																
UK INDEX																		1126372
US DIVIDEND+ INDEX	2677767																	
US INDEX		1314322																

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL	Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
CA Immobilien Anlage	AT	AT0000641352	CAI AV	CAIV.VI	CAI-WBO	Hibernia REIT Plc *	IRE	IE00BGHQ1986	HBRN ID	HBRN.ID	HBRN-DUB
Conwert Immobilien	AT	AT0000697750	CWI AV	CONW.VI	CWI-WBO	Irish Residential Properties REIT *	IRE	IE00BJ34P519	IRES ID	IRES.ID	IRES-DUB
BUWOG - Bauen und Wohnen GmbH	AT	AT00BUWOG001	BUWOG GR	BUWOG.VI	BUWOG-WBO	Beni Stabili *	IT	IT0001389631	BNS IM	BNS.MI	BNS-MIL
Aedifica *	BE	BE0003851681	AED BB	AED.BR	AED-BRU	IGD *	IT	IT0003745889	IGD IM	IGD.MI	IGD-MIL
Befimmo *	BE	BE0003678894	BEFB BB	BEFB.BR	BEFB-BRU	Eurocommercial Props *	NL	NL0000288876	ECMPA NA	SIPFc.AS	ECMPA-AMS
Cofinimmo *	BE	BE0003593044	COFB BB	COFB.BR	COFB-BRU	NSI NV *	NL	NL0000292324	NSI NA	NSTEc.AS	NISTI-AMS
Intervest Offices *	BE	BE0003746600	INTO BB	PRIF.BR	INTO-BRU	Unibail-Rodamco *	NL	FR0000124711	UL NA	UNBP.NA	UL-AMS
Leasinvest Real Estate *	BE	BE0003770840	LEAS BB	LNRE.BR	LEAS-BRU	Vastned Retail *	NL	NL0000288918	VASTN NA	VASN.AS	VASTN-AMS
Wereldhave Belgium *	BE	BE0003724383	WEHB BB	WEHB.BR	WEHB-BRU	Wereldhave *	NL	NL0000289213	WHA NA	WEHA.AS	WHA-AMS
Warehouses De Pauw *	BE	BE0003763779	WDP BB	WDPP.BR	WDP-BRU	Entra ASA	NW	NO0010716418	ENTRA NO	ENTRA.OL	ENTRA-OSL
Allreal	CH	CH0008837566	ALLN SW	ALLN.S	ALLN-SWX	Norwegian Property	NW	NO0010317811	NPRO NO	NPRO.OL	NPRO-OSL
Mobimo	CH	CH0011108872	MOBN SW	MOBN.S	MOBN-SWX	Axiare Patrimonio SOCIMI SA *	SP	ES0105026001	AXIA SM	AXIA.SM	AXIA-MAD
PSP Swiss Property	CH	CH0018294154	PSPN SW	PSPN.S	PSPN-SWX	Hispania Activos Inmobiliarios SAU	SP	ES0105019006	HIS SM	HIS.SM	HIS-MAD
Swiss Prime Site	CH	CH0008038389	SPSN SW	SPSN.S	SPSN-SWX	Inmobiliaria Colonial S.A.	SP	ES0139140042	COL SM	COL.SM	COL-MAD
Sponda	FI	FI0009006829	SDA1V FH	SDA1V.HE	SDA1V-HEL	Lar Espana Real Estate SOCIMI SA	SP	ES0105015012	LAR SM	LAR.SM	LAR-MAD
Citycon OYJ	FI	FI0009002471	CTY1S FH	CTY1S.HE	CTY1S-HEL	Merlin Properties Socimi SA *	SP	ES0105025003	MRL SM	MRL.SM	MRL-MAD
Technopolis	FI	FI0009006886	TPS1V FH	TPS1V.HE	TPS1V-HEL	Fastighets AB Balder B	SE	SE0000455057	BALDB SS	BALDB.ST	BALDB-OME
Affine *	FR	FR0000036105	IML FP	BTPP.PA	IML-PAR	Castellum	SE	SE0000379190	CAST SS	CAST.ST	CAST-OME
ANF-Immobilier S.A. *	FR	FR0000063091	ANF FP	ANF.PA	ANF-PAR	D Carnegie & Co AB	SE	SE0005594728	DCARB SS	DCARB.ST	DCARB-OME
Fonciere De Paris SIIC *	FR	FR0000034431	FDPA FP	FDPA.PA	FDPA-PAR	Dios Fastigheter AB	SE	SE0001634262	DIOS SS	DIOS.ST	DIOS-OME
Fonciere Des Regions *	FR	FR0000064578	FDR FP	FDR.PA	FDR-PAR	Hemfosa Fastigheter AB	SE	SE0007126115	HEMF SS	HEMF.ST	HEMF-OME
Gecina *	FR	FR0010040865	GFC FP	GFCP.PA	GFC-PAR	Hufvudstaden A	SE	SE0000170375	HUFVA SS	HUFVA.ST	HUFVA-OME
Icade *	FR	FR0000035081	ICAD FP	ICAD.PA	ICAD-PAR	Klovern B	SE	SE0006593919	KLOVB SS	KLOVB.ST	KLOVB-OME
Klepierre *	FR	FR0000121964	LI FP	LOIM.PA	LI-PAR	Kungsleden	SE	SE0000549412	KLED SS	KLED.ST	KLED-OME
Mercialys *	FR	FR0010241638	MERY FP	MERY.PA	MERY-PAR	Pandox AB	SE	SE0007100359	PNDXB SS	PNDXB.ST	PNDXB-OME
Adler Real Estate AG	DE	DE0005008007	ADL GR	ADL.F	ADL-ETR	Fabege	SE	SE0000950636	FABG SS	FABG.ST	FABG-OME
ADO Properties SA	DE	LU1250154413	ADJ GR	ADJ.F	ADJ-ETR	Wallenstam AB	SE	SE0007074844	WALLB SS	WALLB.ST	WALLB-OME
Alstria Office *	DE	DE000A0LD2U1	AOX GR	AOXG.F	AOX-ETR	Wihlborgs Fastigheter	SE	SE0001413600	WIHL SS	WIHL.ST	WIHL-OME
Vonovia SE	DE	DE000A1ML7J1	ANN GR	ANNG.F	ANN-ETR	Assura *	UK	GB00BVGW93	AGR LN	AGR.L	AGR-LON
Deutsche Wohnen	DE	DE000A0HN5C6	DWNI GR	DWNG.F	DWN-ETR	British Land *	UK	GB0001367019	BLND LN	BLND.L	BLND-LON
Deutsche Euroshop	DE	DE0007480204	DEQ GR	DEQGn.DE	DEQ-ETR	Big Yellow Group *	UK	GB0002869419	BYG LN	BYG.L	BYG-LON
DIC Asset	DE	DE000A1X3X4	DIC GR	DICG.DE	DIC-ETR	Daejan Holdings	UK	GB0002502036	DJAN LN	DJAN.L	DJAN-LON
Grand City Properties	DE	LU0775917882	GYC GR	GYC.DE	GYC-ETR	Derwent London *	UK	GB0002652740	DLN LN	DLN.L	DLN-LON
Hamborner REIT AG *	DE	DE0006013006	HAB GR	HAB.DE	HAB-ETR	Empiric Student Property *	UK	GB00BLWDVR75	ESP LN	ESP.L	ESP-LON
LEG Immobilien AG	DE	DE000LEG1110	LEG GR	LEG.DE	LEG-ETR	F&C Commercial Prop	UK	GG00B4ZPCJ00	FCPT LN	FCPT.L	FCPT-LON
TAG Immobilien AG	DE	DE0008303504	TEG GR	TEG.F	TEG-ETR	Grainger Plc	UK	GB00B04V1276	GRI LN	GRI.L	GRI-LON
TLG Immobilien	DE	DE000A12B8Z4	TLG GR	TLG.F	TLG-ETR	Great Portland Estates *	UK	GB00B01FLL16	GPOR LN	GPOR.L	GPOR-LON
Green REIT *	IRE	IE00BBR67J55	GRN ID	GRN.ID	GRN-DUB	Picton Property	UK	GB00B0LCW208	PCTN LN	IRET.L	IRET-LON

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL	Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Hammerson *	UK	GB0004065016	HMSO LN	HMSO.L	HMSO-LON	Fortune Real Estate Investment Trus	HK	SG1O33912138	FRT SP	FRT.SI	FRT-SES
Hansteen Holdings *	UK	GB00B0PPFY88	HSTN LN	HSTN.L	HSTN-LON	Hang Lung Properties	HK	HK0101000591	101 HK	0101.HK	0101-HKG
F&C UK Real Estate Investment *	UK	GB00B012T521	FCRE LN	FCRE.L	FCRE-LON	Henderson Land Dev	HK	HK0012000102	12 HK	0012.HK	0012-HKG
Schroder Real Estate Investment Trust	UK	GB00B01HM147	SREI LN	SREI.L	SREI-LON	Hysan Development	HK	HK0014000126	14 HK	0014.HK	0014-HKG
Helical Bar	UK	GB00B0FYMT95	HLCL LN	HLCL.L	HLCL-LON	Kerry Properties	HK	BMG524401079	683 HK	0683.HK	0683-HKG
Kennedy Wilson Europe Real Estate	UK	JE00BJT32513	KWE LN	KWE.L	KWE-LON	Link REIT *	HK	HK0823032773	823 HK	0823.HK	0823-HKG
Land Securities *	UK	GB0031809436	LAND LN	LAND.L	LAND-LON	New World Development	HK	HK0017000149	17 HK	0017.HK	0017-HKG
LondonMetric Property *	UK	GB00B4WFW713	LMP LN	LMP.L	LMP-LON	Sino Land	HK	HK0083000502	83 HK	0083.HK	0083-HKG
INTU Properties *	UK	GB0006834344	INTU LN	INTU.L	INTU-LON	Sun Hung Kai Props	HK	HK0016000132	16 HK	0016.HK	0016-HKG
Capital & Counties Properties	UK	GB00B62G9D36	CAPC LN	CAPC.L	CAPC-LON	Swire Properties	HK	HK0000063609	1972 HK	1972.HK	1972-HKG
Medicx Fund	UK	GG00B1DVQL92	MXF LN	MXF.L	MXF-LON	Wharf Holdings	HK	HK0004000045	4 HK	0004.HK	0004-HKG
Primary Health Prop.*	UK	GB00BYRJ5J14	PHP LN	PHP.L	PHP-LON	Activia Properties *	JP	JP3047490002	3279 JP	3279.T	3279-TKS
Redefine International *	UK	IM00B8BV8G91	RDI LN	RDI.L	RDI-LON	Advance Residence Investment *	JP	JP3047160001	3269 JP	3269.T	3296-TKS
Safestore Holdings *	UK	GB00B1N7Z094	SAFE LN	SAFE.L	SAFE-LON	Aeon Mall Co Ltd	JP	JP3131430005	8905 JP	8905.T	8905-TKS
Shaftesbury *	UK	GB0007990962	SHB LN	SHB.L	SHB-LON	Aeon REIT *	JP	JP3047650001	3292 JP	3292.T	3292-TKS
Segro *	UK	GB00B5ZN1N88	SGRO LN	SGRO.L	SGRO-LON	Daiwa House REIT Investment *	JP	JP3046770008	3263 JP	3263.T	3263-TKS
Standard Life Inv Prop *	UK	GB0033875286	SLI LN	SLI.L	SLI-LON	Daiwa Office Investment *	JP	JP3046310003	8976 JP	8976.T	8976-TKS
Target Healthcare REIT *	UK	JE00B95CGW71	THRL LN	THRL.L	THRL-LON	Daiwahouse Residential Invest *	JP	JP3046390005	8984 JP	8984.T	8984-TKS
Tritax Big Box REIT *	UK	GB00BG49KP99	BBOX LN	BBOX.L	BBOX-LON	Frontier Real Estate Investment *	JP	JP3046200006	8964 JP	8964.T	8964-TKS
UK Commercial Property Trust	UK	GB00B19Z2J52	UKCM LN	UKCM.L	UKCM-LON	Fukuoka REIT *	JP	JP3046240002	8968 JP	8968.T	8968-TKS
Unite Group	UK	GB0006928617	UTG LN	UTG.L	UTG-LON	GLP J-REIT *	JP	JP3047510007	3281 JP	3281.T	3281-TKS
Workspace Group *	UK	GB00B67G5X01	WKP LN	WKP.L	WKP-LON	Hulic	JP	JP3360800001	3003 JP	3003.T	3003-TKS
Azrieli Group	IT	IL0011194789	AZRG IT	AZRG.IT	AZRG-IT	Hulic Reit *	JP	JP3047660000	3295 JP	3295.T	3295-TKS
BWP Trust *	AU	AU000000BWP3	BWP AU	BWP.AX	BWP-ASX	Industrial & Infrastructure Fund Inves	JP	JP3046500009	3249 JP	3249.T	3249-TKS
Vicinity Centres *	AU	AU000000VCX7	VCX AU	VCX.AX	VCX-ASX	Invincible Investment Corp *	JP	JP3046190009	8963 JP	8963.T	8963-TKS
Cromwell Property Group *	AU	AU000000CMW8	CMW AU	CMW.AX	CMW-ASX	Japan Excellent *	JP	JP3046420000	8987 JP	8987.T	8987-TKS
Dexus Property Group *	AU	AU000000DXS1	DXS AU	DXS.AX	DXS-ASX	Japan Hotel REIT Investment Corp. *	JP	JP3046400002	8985 JP	8985.T	8985-TKS
GPT Group *	AU	AU000000GPT8	GPT AU	GPT.AX	GPT-ASX	Japan Logistics Fund *	JP	JP3046230003	8967 JP	8967.T	8967-TKS
Investa Office Fund *	AU	AU000000IOF6	IOF AU	IOF.AX	IOF-ASX	Japan Prime Realty Inv. *	JP	JP3040890000	8955 JP	8955.T	8955-TKS
Goodman Group *	AU	AU000000GMG2	GMG AU	GMG.AX	GMG-ASX	Japan Real Estate *	JP	JP3027680002	8952 JP	8952.T	8952-TKS
Charter Hall Retail REIT *	AU	AU000000CQR9	MCW AU	MCW.AX	MCW-ASX	Japan Rental Housing Investment *	JP	JP3046410001	8986 JP	8986.T	8986-TKS
Mirvac Group *	AU	AU000000MGR9	MGR AU	MGR.AX	MGR-ASX	Japan Retail Fund *	JP	JP3039710003	8953 JP	8953.T	8953-TKS
Scentre Group *	AU	AU000000SCG8	SCG AU	SCG.AX	SCG-ASX	Kenedix Office Investment Corporati	JP	JP3046270009	8972 JP	8972.T	8972-TKS
Shopping Centres Australasia Property	AU	AU000000SCP9	SCP AU	SCP.AX	SCP-ASX	Mitsubishi Estate	JP	JP3899600005	8802 JP	8802.T	8802-TKS
Stockland Trust Group *	AU	AU000000SGP0	SGP AU	SGP.AX	SGP-ASX	Mitsui Fudosan	JP	JP3893200000	8801 JP	8801.T	8801-TKS
Westfield Corp. *	AU	AU000000WFD0	WFD AU	WFD.AX	WFD-ASX	Mori Hills REIT Investment *	JP	JP3046470005	3234 JP	3234.T	3234-TKS
Champion REIT *	HK	HK2778034606	2778 HK	2778.HK	2778-HKG	Mori Trust Sogo REIT *	JP	JP3046170001	8961 JP	8961.T	8961-TKS
Cheung Kong Property Holdings	HK	KYG2103F1019	1113 HK	1113.HK	1113-HKG	Nippon Accommodations Fund *	JP	JP3046440008	3226 JP	3226.T	3226-TKS

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL	Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Nippon Building Fund *	JP	JP3027670003	8951 JP	8951.T	8951-TKS	First Capital Realty	CA	CA31943B1004	FCR CN	FCR.TO	FCR-TSX
Nippon Prologis REIT *	JP	JP3047550003	3283 JP	3283.T	3283-TKS	Granite Real Estate *	CA	CA3874371147	GRT CN	GRT.TO	GRT-TSX
Nomura Real Estate Master Fund *	JP	JP3048110005	3285 JP	3285.T	3285-TKS	H & R Real Estate *	CA	CA4044282032	HR-U CN	HR_u.TO	HR.UN-TSX
Nomura Real Estate Holdings	JP	JP3762900003	3231 JP	3231.T	3231-TKS	Innovest REIT *	CA	CA45771T1324	INN-U CN	INN_u.TO	INN.UN-TSX
NTT Urban Development	JP	JP3165690003	8933 JP	8933.T	8933-TKS	Killam Apartment REIT *	CA	CA49410M1023	KMP-U CN	KMP.TO	KMP-TSX
ORIX JREIT *	JP	JP3040880001	8954 JP	8954.T	8954-TKS	Milestone Apartments *	CA	CA59934P1018	MST-U CN	MST.TO	MST-TSX
Premier Investment Co. *	JP	JP3041770003	8956 JP	8956.T	8956-TKS	Northview Apartment REIT *	CA	CA6671851021	NVU-U CN	NVU_u.TO	NVU.UN-TSX
Sekisui House SI Residential Investmer	JP	JP3046280008	8973 JP	8973.T	8973-TKS	Pure Industrial Real Estate Trust *	CA	CA74623T1084	AAR-U CN	AAR_u.TO	AAR.UN-TSX
Sumitomo Realty & Dev	JP	JP3409000001	8830 JP	8830.T	8830-TKS	Riocan Real Estate *	CA	CA7669101031	REI-U CN	REI_u.TO	REI.UN-TSX
Tokyo Tatemono	JP	JP3582600007	8804 JP	8804.T	8804-TKS	Acadia Realty Trust *	US	US0042391096	AKR US	AKR.N	AKR-US
Tokyu REIT *	JP	JP3044510000	8957 JP	8957.T	8957-TKS	Agree Realty Corp *	US	US0084921008	ADC US	ADC.N	ADC-US
Top REIT *	JP	JP3046370007	8982 JP	8982.T	8982-TKS	Alexander's Inc. *	US	US0147521092	ALX US	ALX.N	ALX-US
United Urban Investment *	JP	JP3045540006	8960 JP	8960.T	8960-TKS	Alexandria Real Estate *	US	US0152711091	ARE US	ARE.N	ARE-US
Kiwi Property Group *	NZ	NZKPG0001S9	KPG NZ	KIP.NZ	KIP-NZE	Prologis *	US	US74340W1036	AMB US	AMB.N	AMB-US
Ascendas REIT *	SG	SG1M77906915	AREIT SP	AREIT.SI	A17U-SES	American Assets Trust Inc. *	US	US0240131047	AAT US	AAT.N	AAT-US
CapitaCommercial Trust *	SG	SG1P32918333	CCT SP	CACT.SI	C61U-SES	American Campus Communities *	US	US0248351001	ACC US	ACC.N	ACC-US
Capitaland	SG	SG1J27887962	CAPL SP	CATL.SI	C31-SES	American Homes 4 Rent *	US	US02665T3068	AMH US	AMH.N	AMH-US
Capitamall Trust *	SG	SG1M51904654	CT SP	CMLT.SI	C38U-SES	VEREIT *	US	US92339V1008	VER US	ARCP.N	ARCP-US
CDL Hospitality Trusts *	SG	SG1T66931158	CDREIT SP	CDREIT.SI	CDR-SES	Apartment Investment *	US	US03748R1014	AIV US	AIV.N	AIV-US
Hongkong Land Hldgs	HK	BMG4587L1090	HKL SP	HKLD.SI	H78-SES	Apple Hospitality REIT *	US	US03784Y2000	APLE US	APLE.N	APLE-US
Keppel REIT *	SG	SG1T22929874	KREIT SP	KLAN.SI	K17-SES	Ashford Hospitality *	US	US0441031095	AHT US	AHT.N	AHT-US
Mapletree Commercial Trust *	SG	SG2D18969584	MCT SP	MCT.SI	MCT-SES	Avalonbay Communities *	US	US0534841012	AVB US	AVB.N	AVB-US
Mapletree Industrial Trust *	SG	SG2C32962814	MINT SP	MINT.SI	MINT-SES	Boston Properties *	US	US1011211018	BXP US	BXP.N	BXP-US
Mapletree Logistics Trust *	SG	SG1S03926213	MLT SP	MAPL.SI	M44U-SES	Brandywine Realty Trust *	US	US1053682035	BDN US	BDN.N	BDN-US
Suntec REIT *	SG	SG1Q52922370	SUN SP	SUNT.SI	T82U-SES	Brixmor Property Group *	US	US11120U1051	BRX US	BRX.N	BRS-US
UOL Group	SG	SG1S83002349	UOL SP	UTOS.SI	UOL-SES	Camden Property Trust *	US	US1331311027	CPT US	CPT.N	CPT-US
Allied Properties REIT *	CA	CA0194561027	AP-U CN	AP_u.TO	AP.UN-TSX	Care Capital Properties *	US	US1416241065	CCR US	CCR.N	CCR-US
Artis Real Estate Investment Trust *	CA	CA04315L1058	AX-U CN	AX_u.TO	AX.UN-TSX	CBL & Associates Props *	US	US1248301004	CBL US	CBL.N	CBL-US
Boardwalk REIT *	CA	CA0966311064	BEI-U CN	BEI_u.TO	BEI.UN-TSX	Cedar Realty Trust *	US	US1506022094	CDR US	CDR.N	CDR-US
SmartREIT *	CA	CA83179X1087	SRU-U CN	CWT_u.TO	CWT.UN-TSX	Gramercy Property Trust *	US	US3850021003	CSG US	CSG.N	CSG-US
Canadian Apartment Props *	CA	CA1349211054	CAR-U CN	CAR_u.TO	CAR.UN-TSX	Chatham Lodging Trust *	US	US16208T1025	CLDT US	CLDT.N	CLDT-US
Canadian REIT *	CA	CA13650J1049	REF-U CN	REF_u.TO	REF.UN-TSX	Chesapeake Lodging Trust *	US	US1652401027	CHSP US	CHSP.N	CHSP-US
Chartwell Retirement Residences	CA	CA16141A1030	CSH-U CN	CSH_u.TO	CSH.UN-TSX	Columbia Property Trust Inc *	US	US1982872038	CXP US	CXP.N	CXP-US
Cominar REIT *	CA	CA1999101001	CUF-U CN	CUF_u.TO	CUF.UN-TSX	Corporate Office Props *	US	US22002T1088	OFC US	OFC.N	OFC-US
Crombie Real Estate Investment Trust *	CA	CA2271071094	CRR-U CN	CRR_u.TO	CRR.UN-TSX	DCT Industrial Trust *	US	US2331532042	DCT US	DCT.N	DCT-US
Dream Office REIT *	CA	CA26153P1045	D-U CN	D_u.TO	D.UN-TSX	DDR Corp. *	US	US23317H1023	DDR US	DDR.N	DDR-US
Dream Global REIT *	CA	CA26154A1066	DI-U CN	DI_u.TO	DI.UN-TSX	Digital Realty Trust *	US	US2538681030	DLR US	DLR.N	DLR-US
Extencicare Inc.	CA	CA30224T8639	EXE-U CN	EXE_u.TO	EXE.UN-TSX	Diamondrock Hospitality *	US	US2527843013	DRH US	DRH.N	DRH-US

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL	Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Douglas Emmett *	US	US25960P1093	DEI US	DEI.N	DEI-US	Liberty Property Trust *	US	US5311721048	LRV US	LRV.N	LRV-US
Duke Realty Corp *	US	US2644115055	DRE US	DRE.N	DRE-US	LTC Properties *	US	US5021751020	LTC US	LTC.N	LTC-US
DuPont Fabros Technology *	US	US26613Q1067	DFT US	DFT.N	DFT-US	Mack-Cali Realty *	US	US5544891048	CLI US	CLI.N	CLI-US
Eastgroup Properties *	US	US2772761019	EGP US	EGP.N	EGP-US	Medical Properties Trust *	US	US58463J3041	MPW US	MPW.N	MPW-US
Education Realty Trust *	US	US28140H2031	EDR US	EDR.N	EDR-US	Mid-America Apartment *	US	US59522J1034	MAA US	MAA.N	MAA-US
Empire State Realty Trust *	US	US2921041065	ESRT US	ESRT.N	ESRT-US	Monogram Residential Trust Inc *	US	US60979P1057	MORE US	MORE.N	MORE-US
EPR Properties *	US	US26884U1097	EPR US	EPR.N	EPR-US	National Health Investors *	US	US63633D1046	NHI US	NHI.UN	NHI-US
Equity Lifestyle Properties *	US	US29472R1086	ELS US	ELS.N	ELS-US	National Retail Properties *	US	US6374171063	NNN US	NNN.N	NNN-US
Equity One Inc *	US	US2947521009	EQY US	EQY.N	EQY-US	New Senior Investment Group *	US	US6486911034	SNR US	SNR.N	SNR-US
Equity Residential Props *	US	US29476L1070	EQR US	EQR.N	EQR-US	New York REIT Inc. *	US	US64976L1098	NYRT US	NYRT.N	NYRT-US
Essex Property Trust *	US	US2971781057	ESS US	ESS.N	ESS-US	Omega Healthcare Investors *	US	US6819361006	OHI US	OHI.N	OHI-US
Extra Space Storage *	US	US30225T1025	EXR US	EXR.N	EXR-US	Paramount Group *	US	US69924R1086	PGRE US	PGRE.N	PGRE-US
Federal Realty Inv *	US	US3137472060	FRT US	FRT.N	FRT-US	Parkway Properties *	US	US70159Q1040	PKY US	PKY.N	PKY-US
Felcor Lodging Trust *	US	US31430F1012	FCH US	FCH.N	FCH-US	Pebblebrook Hotel Trust *	US	US70509V1008	PEB US	PEB.N	PEB-US
First Industrial Realty *	US	US32054K1034	FR US	FR.N	FR-US	Pennsylvania Real Estate *	US	US7091021078	PEI US	PEI.N	PEI-US
First Potomac Realty Trust *	US	US33610F1093	FPO US	FPO.N	FPO-US	Physicians Realty Trust *	US	US71943U1043	DOC US	DOC.N	DOC-US
Forest City Realty Trust Cl. A	US	US3456051099	FCE/A US	FCEa.N	FCE.A-US	Piedmont Office Realty Trust Cl A *	US	US7201902068	PDM US	PDM.N	PDM-US
Franklin Street Properties *	US	US35471R1068	FSP US	FSP.N	FSP-US	Post Properties *	US	US7374641071	PPS US	PPS.N	PPS-US
Gaming & Leisure Properties *	US	US36467J1088	GLPI US	GLPI.N	GLPI-US	PS Business Parks *	US	US69360J1079	PSB US	PSB.A	PSB-US
General Growth Properties *	US	US3700231034	GGP US	GGP.N	GGP-US	Public Storage *	US	US74460D1090	PSA US	PSA.N	PSA-US
Getty Realty *	US	US3742971092	GTY US	GTY.N	GTY-US	QTS Realty Trust *	US	US74736A1034	QTS US	QTS.N	QTS-US
Government Properties *	US	US38376A1034	GOV US	GOV.N	GOV-US	Ramco-Gershenson *	US	US7514522025	RPT US	RPT.N	RPT-US
HCP *	US	US40414L1098	HCP US	HCP.N	HCP-US	Realty Income *	US	US7561091049	O US	O.N	O-US
Welltower, Inc. *	US	US95040Q1040	HCN US	HCN.N	HCN-US	Regency Centers *	US	US7588491032	REG US	REG.N	REG-US
Healthcare Realty Trust *	US	US4219461047	HR US	HR.N	HR-US	Retail Opportunity Investments Corp. US	US	US76131N1019	ROIC US	ROIC.N	ROIC-US
Healthcare Trust Of America Inc *	US	US42225P5017	HTA US	HTA.N	HTA-US	Retail Properties of America *	US	US76131V2025	RPAI US	RPAI.N	RPAI-US
Hersha Hospitality Trust *	US	US4278255009	HT US	HT.N	HT-US	Rexford Industrial Realty *	US	US76169C1009	REXR US	REXR.N	REXR-US
Highwoods Properties *	US	US4312841087	HIW US	HIW.N	HIW-US	RLJ Lodging Trust *	US	US74965L1017	RLJ US	RLJ.N	RLJ-US
Hospitality Properties *	US	US44106M1027	HPT US	HPT.N	HPT-US	Rouse Properties *	US	US7792871011	RSE US	RSE.N	RSE-US
Host Hotels & Resorts *	US	US44107P1049	HST US	HST.N	HST-US	Ryman Hospitality Properties *	US	US78377T1079	RHP US	RHP.N	RHP-US
Hudson Pacific Properties *	US	US4440971095	HPP US	HPP.N	HPP-US	Sabra Health Care REIT *	US	US78573L1061	SBRA US	SBRA.N	SBRA-US
Equity Commonwealth REIT *	US	US2946281027	EQC US	EQC.N	EQC-US	Saul Centers *	US	US8043951016	BFS US	BFS.N	BFS-US
Investors Real Estate *	US	US4617301035	IRET US	IRET.OQ	IRET-US	Select Income REIT *	US	US81618T1007	SIR US	SIR.N	SIR-US
Kilroy Realty *	US	US49427F1084	KRC US	KRC.N	KRC-US	Senior Housing Prop *	US	US81721M1099	SNH US	SNH.N	SNH-US
Kimco Realty *	US	US49446R1095	KIM US	KIM.N	KIM-US	Simon Property Group *	US	US8288061091	SPG US	SPG.N	SPG-US
Kite Realty Group Trust *	US	US49803T3005	KRG US	KRG.N	KRG-US	Silver Bay Realty Trust *	US	US82735Q1022	SBY US	SBY.N	SBY-US
LaSalle Hotel Properties *	US	US5179421087	LHO US	LHO.N	LHO-US	SL Green Realty *	US	US78440X1019	SLG US	SLG.N	SLG-US
Lexington Corporate *	US	US5290431015	LXP US	LXP.N	LXP-US	Sovran Self Storage *	US	US84610H1086	SSS US	SSS.N	SSS-US

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Spirit Realty Capital *	US	US84860W1027	SRC US	SRC.N	SRC-US
Colony Starwood Homes *	US	US19625X1028	SWAY US	SWAY.N	SWAY-US
Store Capital REIT *	US	US8621211007	STOR US	STOR.N	STOR-US
Summit Hotel Properties *	US	US8660821005	INN US	INN.N	INN-US
Sun Communities *	US	US8666741041	SUI US	SUI.N	SUI-US
Sunstone Hotel Investors *	US	US8678921011	SHO US	SHO.N	SHO-US
STAG Industrial *	US	US85254J1025	STAG US	STAG.N	STAG-US
Tanger Factory Outlet *	US	US8754651060	SKT US	SKT.N	SKT-US
Taubman Centers *	US	US8766641034	TCO US	TCO.N	TCO-US
Terreno Realty *	US	US88146M1018	TRNO US	TRNO.N	TRNO-US
The Macerich Company *	US	US5543821012	MAC US	MAC.N	MAC-US
TIER REIT *	US	US88650V2088	TIER US	TIER.N	TIER-US
UDR Inc. *	US	US9026531049	UDR US	UDR.N	UDR-US
Universal Health Realty *	US	US91359E1055	UHT US	UHT.N	UHT-US
Urban Edge Properties *	US	US91704F1049	UE US	UE.N	UE-US
Urstadt Biddle Class A *	US	US9172862057	UBA US	UBA.N	UBA-US
CubeSmart *	US	US2296631094	CUBE US	YSI.N	YSI-US
Ventas *	US	US92276F1003	VTR US	VTR.N	VTR-US
Vornado Realty Trust *	US	US9290421091	VNO US	VNO.N	VNO-US
WP Glimcher *	US	US92939N1028	WPG US	WPG.N	WPG-US
Washington Real Estate *	US	US9396531017	WRE US	WRE.N	WRE-US
Weingarten Realty *	US	US9487411038	WRI US	WRI.N	WRI-US
Aliansce Shopping Centers SA	BRAZ	BRALSCACNOR0	ALSC3 BZ	ALSC3.SA	ALSC3.BSP
Gafisa	BRAZ	BRGFSAACNOR3	GFA3 BZ	GFA3.SA	GFA3.BSP
BR Malls Participacoes S/A Ord	BRAZ	BRBRMLACNOR9	BRML3 BZ	BRML3.SA	BRML3.BSP
BR Properties S/A Ord	BRAZ	BRBRPRACNOR9	BRPR3 BZ	BRPR3.SA	BRPR3.BSP
Direcional Engenharia	BRAZ	BRDIRRACNOR0	DIRR3 BZ	DIRR3.SA	DIRR3.BSP
Even Construtora e Incorporadora SA	BRAZ	BREVENACNOR8	EVEN3 BZ	EVEN3.SA	EVEN3.BSP
EZ TEC Empreendimentos e Participaco	BRAZ	BREZTCACNOR0	EZTC3 BZ	EZTC3.SA	EZTC3.BSP
Rodobens Negocios Imobiliarios S/A O	BRAZ	BRRDNIACNOR9	RDNI3 BZ	RDNI3.SA	RDNI3.BSP
Helbor Empreendimentos S.A.	BRAZ	BRHBORACNOR3	HBOR3 BZ	HBOR3.SA	HBOR3.BSP
Iguatemi Empresa de Shopping Center	BRAZ	BRIGTAACNOR5	IGTA3 BZ	IGTA3.SA	IGTA3.BSP
JHSF Participacoes SA	BRAZ	BRJHSFACNOR2	JHSF3 BZ	JHSF3.SA	JHSF3.BSP
MRV Engenharia e Participacoes SA	BRAZ	BRMRVEACNOR2	MRVE3 BZ	MRVE3.SA	MRVE3.BSP
Multipan Empreendimentos Imobiliarios	BRAZ	BRMULTACNOR5	MULT3 BZ	MULT3.SA	MULT3.BSP
PDG Realty S/A Empreendimentos e P	BRAZ	BRPDGRACNOR8	PDGR3 BZ	PDGR3.SA	PDGR3.BSP
Sonae Sierra Brasil	BRAZ	BRSSBRACNOR1	SSBR3 BZ	SSBR3.SA	SSBR3.BSP
Tecnisa S.A.	BRAZ	BRTCSAACNOR3	TCSA3 BZ	TCSA3.SA	TCSA3.BSP

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Cyrela Brazil Realty S/A Empreendin	BRAZ	BRCYREACNOR7	CYRE3 BZ	CYRE3.SA	CYRE3-BSP
Parque Arauco SA	CHL	CLP763281068	PARAUCO CI	PARAUCO.SA	PARAUCO-BSP
Agile Property Holdings	CHN	KYG011981035	3383 HK	3383.HK	-NA-
Ascott Residence Trust *	CHN	SG1T08929278	ART SP	ART.SI	-NA-
Beijing Capital Land (H)	CHN	CNE10000239	2868 HK	2868.HK	-NA-
CapitalLand Retail China Trust Mana	CHN	SG1U25933169	CRCT SP	CRCT.SI	-NA-
C C Land Holdings	CHN	BMG1985B1138	1224 HK	1224.HK	-NA-
China Aoyuan Property Group	CHN	KYG2112H1065	3883 HK	3883.HK	-NA-
China Merchants Land	CHN	KYG210AW1064	978 HK	978.HK	-NA-
China Oceanwide Holdings	CHN	BMG2117K1045	715 HK	715.HK	-NA-
China Overseas Grand Oceans Grou	CHN	HK0000065737	81 HK	81.HK	-NA-
China Overseas Land & Inv (Red Chi	CHN	HK0688002218	688 HK	688.HK	-NA-
China Resources Land (Red Chip)	CHN	KYG2108Y1052	1109 HK	1109.HK	-NA-
China SCE Property Holdings	CHN	KYG211891083	1966 HK	1966.HK	-NA-
CIFI Holdings (Group) (P Chip)	CHN	KYG2140A1076	884 HK	884.HK	-NA-
Country Graden Holdings	CHN	KYG245241032	2007 HK	2007.HK	-NA-
Dalian Wanda Commercial Propertie	CHN	CNE100001T98	3699 HK	3699.HK	-NA-
Evergrande Real Estate Group	CHN	KYG3225A1031	3333 HK	3333.HK	-NA-
Fantasia Holdings Group Co. Ltd.	CHN	KYG3311L1041	1777 HK	1777.HK	-NA-
Far East Consortium	CHN	KYG3307Z1090	35 HK	35.HK	-NA-
China Jinmao Holdings Group (Red C	CHN	HK0817039453	817 HK	817.HK	-NA-
Gemdale Properties and Investment	CHN	BMG3911S1035	535 HK	535.HK	-NA-
Glorious Property Holdings (P Chip)	CHN	KYG3940K1058	845 HK	845.HK	-NA-
Greentown China Holdings	CHN	KYG4100M1050	3900 HK	3900.HK	-NA-
Guangzhou R&F Properties (H)	CHN	CNE100000569	2777 HK	2777.HK	-NA-
Hui Xian Real Estate Investment Tru	CHN	HK0000078516	87001 HK	87001.HK	-NA-
Hopson Dev Hold	CHN	BMG4600H1016	754 HK	754.HK	-NA-
Hydoo International Holding	CHN	KYG4678A1031	1396 HK	1396.HK	-NA-
K Wah International Holdings	CHN	BMG5321P1169	173 HK	173.HK	-NA-
KWG Property Holding (P Chip)	CHN	KYG532241042	1813 HK	1813.HK	-NA-
Logan Property Holdings	CHN	KYG555551095	3380 HK	3380.HK	-NA-
Longfor Properties Co. Ltd.	CHN	KYG5635P1090	960 HK	960.HK	-NA-
LVGEM China Real Estate Investmei	CHN	KYG5727E1035	95 HK	95.HK	-NA-
Mapletree Greater China Commercia	CHN	SG2F55990442	MAGIC SP	MAGIC.HK	-NA-
Minmetals Land (Red Chip)	CHN	BMG6144P1014	230 HK	230.HK	-NA-
Shanghai Industrial Urban Developm	CHN	BMG8065B1037	563 HK	563.HK	-NA-
Spring Real Estate Investment Trust	CHN	HK0000174232	1426 HK	1426.HK	-NA-
Beijing North Star (H)	CHN	CNE100000262	588 HK	601588.SS	-NA-

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Poly (Hong Kong) Investments (Red Ch	CHN	HK0119000674	119 HK	600119.SS	-NA-
Powerlong Real Estate Holdings (P Chi	CHN	KYG720051047	1238 HK	1238.HK	-NA-
Redco Properties group	CHN	KYG733101078	1622 HK	1622.HK	-NA-
Renhe Commercial Holdings (P Chip)	CHN	KYG750041041	1387 HK	1387.HK	-NA-
Road King Infrastructure	CHN	BMG760581097	1098 HK	1098.HK	-NA-
Sinolink Worldwide Holdings (P Chip)	CHN	BMG8165B1028	1168 HK	1168.HK	-NA-
China Vanke (H)	CHN	CNE100001SR9	2202 HK	2202.HK	-NA-
Shenzhen Investment (Red Chip)	CHN	HK0604011236	604 HK	604.HK	-NA-
Shimao Property Holdings	CHN	KYG810431042	813 HK	813.HK	-NA-
Shui On Land	CHN	KYG811511131	272 HK	272.HK	-NA-
Soho China	CHN	KYG826001003	410 HK	410.HK	-NA-
Sino-Ocean Land Holdings (Red Chip)	CHN	HK3377040226	3377 HK	3377.HK	-NA-
Sunac China Holdings (P Chip)	CHN	KYG8569A1067	1918 HK	1918.HK	-NA-
Yanlord Land Group	CHN	SG1T57930854	YLLG SP	YLLG.SP	-NA-
Yuexiu Property (Red Chip)	CHN	HK0123000694	123 HK	123.HK	-NA-
Yuexiu Real Estate Investment Trust *	CHN	HK0405033157	405 HK	405.HK	-NA-
Yuzhou Properties	CHN	KYG9884T1013	1628 HK	1628.HK	-NA-
Emaar Misr for Development SAE	EGY	EGS673Y1C015	EMFD EY	EMFD.EY	-NA-
Six Of October Development & Investm	EGY	EGS65851C015	OCDI EY	OCDI.EY	-NA-
Grivalia Properties REIC *	GRC	GRS491003000	GRIV GA	GRIV.AT	-NA-
Ascendas India Trust	IDA	SG1V35936920	AIT SP	AIT.SP	-NA-
DLF	IDA	INE271C01023	DLFU IN	DLF.BO	532868-BOM
Oberoi Realty	IDA	INE093I01010	OBER IN	OBER.BO	-NA-
Prestige Estates Projects Ltd	IDA	INE811K01011	PEPL IN	PEPL.BO	-NA-
Unitech	IDA	INE694A01020	UT IN	UNTE.BO	507878-BOM
Alam Sutera Realty	INDO	ID1000108400	ASRI IJ	ASRI.JK	-NA-
Agung Podomoro Land Tbk PT	INDO	ID1000117104	APLN IJ	APLN.JK	-NA-
Bumi Serpong Damai PT	INDO	ID1000110802	BSDE IJ	BSDE.JK	-NA-
Ciputra Develop	INDO	ID1000115306	CTRA IJ	CTRA.JK	-NA-
First Real Estate Investment Trust *	INDO	SG1U27933225	FIRT SP	FIRT.JK	-NA-
Intiland Development Tbk PT	INDO	ID1000116403	DILD IJ	DILD.JK	-NA-
Kawasan Industri Jababeka	INDO	ID1000072507	KIJA IJ	KIJA.JK	-NA-
Lippo Karawaci	INDO	ID1000108905	LPKR IJ	LPKR.JK	-NA-
Lippo Malls Indonesia Retail Trust *	INDO	SG1W27938677	LMRT SP	LMRT.JK	-NA-
Pakuwon Jati	INDO	ID1000122500	PWON IJ	PWON.JK	-NA-
Summarecon	INDO	ID1000092406	SMRA IJ	SMRA.JK	-NA-
CapitaLand Malaysia Mall Trust *	MAL	MYL5180T0003	CMMT MK	CMMT.KL	-NA-
Eastern & Orient	MAL	MYL34170O002	EAST MK	EAST.KL	-NA-

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Eco World Development Group	MAL	MYL8206OO004	ECW MK	ECW.KL	-NA-
IGB Real Estate Investment Trust *	MAL	MYL5227TO002	IGBREIT MK	IGBREIT.KL	-NA-
IOI Properties Group	MAL	MYL5249OO007	IOIPG MK	IOIPG.KL	-NA-
KSL Holdings BHD	MAL	MYL5038OO004	KSL MK	KSL.KL	-NA-
Mah Sing Group	MAL	MYL8583OO006	MSGB MK	MSGB.KL	-NA-
Pavilion Real Estate Investment Trus	MAL	MYL5212TO004	PREIT MK	PREIT.KL	-NA-
SP Setia	MAL	MYL8664OO004	SPSB MK	SPSB.KL	-NA-
Sunway Real Estate Investment Trus	MAL	MYL5176TO001	SREIT MK	SREIT.KL	-NA-
KLCC Property Holdings	MAL	MYL5235SS008	KLCC MK	KCCP.KL	-NA-
Administradora Fibra Danhos S.A. de	MEX	MXCFDA020005	DANHOS13 MM	DANHOS.KL	-NA-
Concentradora Fibra Hotelera Mexic	MEX	MXCFFI0T0005	FIHO12 MM	FIHO12.MM	-NA-
Consortio Ara	MEX	MXP001161019	ARA* MM	ARA.MX	-NA-
Corporacion Inmobiliaria Vesta	MEX	MX01VE0M0003	VESTA* MM	VESTA.MX	-NA-
Fibra Uno Administracion S.A. de C.	MEX	MXCFFU000001	FUNO11 MM	FUNO11.MX	-NA-
Macquarie Mexico Real Estate Mana	MEX	MXCFFIU00002	FIBRAMQ MM	FIBRAMQ.MX	-NA-
Vista Land & Lifescapes	PHIL	PHY9382G1068	VLL PM	VLL.PS	-NA-
DoubleDragon Properties	PHIL	PHY2105Y1083	DD PM	DD.PS	-NA-
Filinvest Land	PHIL	PHY249161019	FLI PM	FLI.PS	-NA-
Megaworld Corporation	PHIL	PHY594811127	MEG PM	MEG.PS	-NA-
SM Prime Hldgs	PHIL	PHY8076N1120	SMPH PM	SMPH.PS	-NA-
Ayala Land	PHIL	PHY0488F1004	ALI PM	ALI.PS	-NA-
Robinson's Land Corporation	PHIL	PHY731961264	RLC PM	RLC.PS	-NA-
Immofinanz AG	RUS	AT0000809058	IJA AV	IJA.AV	IJA-VIE
Arrowhead Properties *	SAF	ZAE000203105	AWA SJ	AWAJ.J	-NA-
Attacq Limited	SAF	ZAE000177218	ATT SJ	ATTJ.J	-NA-
Delta Property Fund *	SAF	ZAE000194049	DLT SJ	DLTJ.J	-NA-
Hyprop Investments Ltd *	SAF	ZAE000190724	HYP SJ	HYPJ.J	-NA-
SA Corporate Real Estate Fund *	SAF	ZAE000203238	SAC SJ	SACJ.J	-NA-
Redefine Properties *	SAF	ZAE000190252	RDF SJ	RDFJ.J	-NA-
Resilient REIT *	SAF	ZAE000209557	RES SJ	RESJ.J	-NA-
Growthpoint Prop Ltd *	SAF	ZAE000179420	GRT SJ	GRTJ.J	-NA-
Emira Property Fund *	SAF	ZAE000203063	EMI SJ	EMIJ.J	-NA-
Rebosis Property Fund *	SAF	ZAE000201687	REB SJ	REB.J	-NA-
Vukile Property Fund *	SAF	ZAE000180865	VKE SJ	VKE.J	-NA-
Central Pattana	THAI	TH0481B10Z00	CPN TB	CPN.BK	-NA-
Land & Houses	THAI	TH0143010Z08	LH TB	LH.BK	-NA-
LPN Development	THAI	TH0456010Z04	LPN TB	LPN.BK	-NA-
AP Thailand	THAI	TH0308010Y08	AP TB	AP.BK	-NA-

Data Vendor Codes - Index Constituents

Constituent	Country	ISIN	Bloomberg	REUTERS	SNL
Amata Corp	THAI	TH0617A10Z08	AMATA TB	AMAT.BK	-NA-
Preuksa Real Estate	THAI	TH0878010Y00	PS TB	-NA-	-NA-
Property Perfect	THAI	TH0352A10Z07	PF TB	-NA-	-NA-
Quality Houses	THAI	TH0256A10Z04	QH TB	-NA-	-NA-
Sansiri	THAI	TH0577C10Z04	SIRI TB	-NA-	-NA-
SC Asset	THAI	TH0747A10Z01	SC TB	-NA-	-NA-
Siam Future Development PCL	THAI	TH0699010003	SF TB	-NA-	-NA-
Supalai PCL	THAI	TH0371010Z05	SPALI TB	SPAL.BK	-NA-
WHA	THAI	TH3871010Z01	WHA TB	WHA.BK	-NA-
Ticon Industrial Connection Pcl	THAI	TH0675010Z09	TICON TB	TICON.BK	-NA-
Dogus GE Gayrimenkul Yatirim Ortaklig	TUR	TRAOSGYO91Q1	DGGYO TI	ALGYO.IS	-NA-
Emlak Konut Gayrimenkul Yatirim Orta	TUR	TREEGYO00017	EKGYO TI	EKGYO.IS	-NA-
Is Gayrimenkul Yatirim Ortak *	TUR	TRAIISGYO91Q3	ISGYO TI	ISGYO.IS	-NA-
Torunlar Gayrimenkul Yatirim *	TUR	TRETRGY00018	TRGYO TI	TRGYO.IS	-NA-
Hung Poo Real Estate Development	TWN	TW0002536000	2536 TT	2536.TW	-NA-
Aldar Properties PJSC	UAE	AEA002001013	ALDAR UH	ALDAR.UH	-NA-
Emaar Mallis Group	UAE	AEE001501015	EMAARMLS UH	EMAARMLS.UH	-NA-
RAK Properties	UAE	AER000601016	RAKPROP UH	RAKPROP.UH	-NA-
Conygar Investment Company	AIM	GB0033698720	CIC LN	CIC.L	CPT-LON
Sirius Real Estate	AIM	GG00B1W3VF54	SRE LN	SRE.L	SRE-LON
LXB Retail Properties	AIM	JE00B4MFKH73	LXB LN	LXB.L	LXB-LON
Lok'N Store Group	AIM	GB0007276115	LOK LN	LOK.L	-NA-
NewRiver Retail	AIM	GG00B4Z05859	NRR LN	NRR.L	-NA-
Palace Capital	AIM	GB00BF5SGF06	PCA LN	PCA.L	-NA-
Real Estate Investors	AIM	GB00B45XLP34	RLE LN	RLE.L	-NA-
Summit Germany	AIM	GG00BJ4FZW09	SMTG LN	SMTG.L	-NA-
Taliesin Property Fund	AIM	JE00B3B3WB31	TPF LN	TPP.L	-NA-
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Contacts



EPRA

EPRA
Square de Meeus 23
B-1000 Brussels
Belgium
Tel: +32 2739 1010
Fax: +32 2739 1020
E-mail: info@epra.com
Website: www.epra.com



NAREIT

NAREIT
1875 Eye Street
N.W., Suite 600
Washington D.C., 20006
USA
Tel: +1 202 739 9400
Fax: +1 202 739 9401
E-mail: info@nareit.com
Website: www.nareit.com



FTSE

UK
Client Services
FTSE
12th Floor
10 Upper Bank Street
Canary Wharf
London, E14 5NP
UK
+44 (0) 20 7448 1810
+44 (0) 20 7448 1804 (fax)

France
Client Services
FTSE
40 rue La Boétie
75008 Paris
FRANCE
+33 (0) 1 53 76 82 88
+33 (0) 1 53 76 82 71 (fax)

Spain
Client Services
FTSE
Paseo de la Castellana 66,
28046 Madrid,
Spain
+34 (0) 91 411 37 87

Germany
Client Services
FTSE
Nibelungenplatz 3
60318 Frankfurt
GERMANY
+49 69 15685143
+49 69 15976604 (fax)

Hong Kong
Client Services
FTSE
Suite 609-612
One International Finance Centre
Hong Kong
+852 2230 5800
+852 2230 5804 (fax)
In Singapore please ring +65 223 3738

Japan
Client Services
FTSE
Yamato Seimei Building 21F,
1-1-7 Uchisaiwaicho,
Chiyoda-Ku,
Tokyo
JAPAN
+81 3 3581 2811
+81 3 3581 1423 (fax)

USA – East Coast
Client Services
FTSE
1330 Avenue of the Americas,
10th Floor,
New York,
New York 10019
+(1) 212 641 6160
+(1) 212 641 6190 (fax)

USA – West Coast
Client Services
FTSE Americas Inc.
251 Post Street,
Suite 200,
San Francisco, CA 94108
USA
+1 415 445 5660
+1 415 445 5666 (fax)

E-mail: info@ftse.com
Website: www.ftse.com

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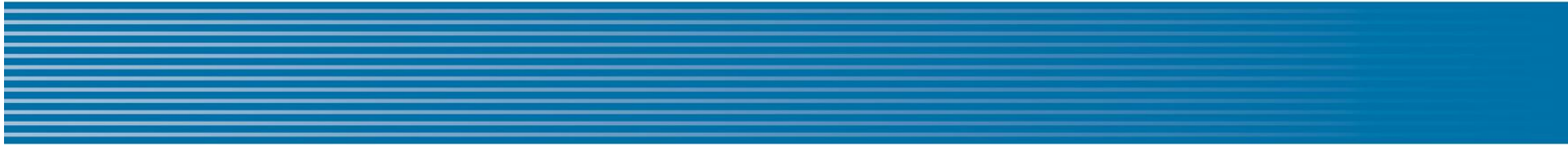
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EUROPEAN PUBLIC
REAL ESTATE ASSOCIATION

**Square de Meeus 23
B-1000 Brussels
Belgium**

**T +32 (0)2 739 1010
F +32 (0)2 739 1020
www.epra.com**