

Top 400 Asset Managers

Asset managers in our listing are ranked by global assets under management and by the country of the main headquarters. Assets managed by these groups total €66.4trn (2018: €65.7trn)

Company	Country	2019		2018			
		31/12/18 (€m)	31/12/17 (€m)	31/12/18 (€m)	31/12/17 (€m)		
1 BlackRock	US	5,251,217	5,315,409	63 Janus Henderson Investors	US/UK	287,318	308,776
2 Vanguard Asset Management	US	4,257,211	4,090,010	64 RBC Global Asset Management	Canada	269,837	279,768
3 State Street Global Advisors	US	2,196,822	2,316,533	65 SEI	US	268,451	281,294
4 Fidelity Investments	US	2,096,550	2,003,270	66 Neuberger Berman	US	266,031	245,811
5 BNY Mellon Investment Management	US	1,498,208	1,585,920	67 Barings	US	265,256	289,326
6 J.P. Morgan Asset Management	US	1,485,998	1,471,226	68 Ostrum Asset Management*	France	257,600	346,600
7 Capital Group	US	1,467,318	1,504,359	69 DekaBank	Germany	255,436	265,336
8 PIMCO	US/Germany	1,451,684	1,462,446	70 MEAG	Germany	254,308	252,479
9 Amundi	France	1,425,064	1,426,107	71 Dodge & Cox	US	249,558	263,327
10 PGIM	US	1,204,802	1,160,583	72 Fidelity International*	US/UK	246,499	269,267
11 Goldman Sachs AM International	US	1,165,429	1,073,769	73 NN Investment Partners	Netherlands	246,090	196,865
12 Legal & General Investment Management	UK	1,131,342	1,107,666	74 Apollo Global Management	US	244,600	207,840
13 Wellington Management International	US	877,735	899,647	75 Russell Investments	US	228,486	247,000
14 T. Rowe Price	US	841,801	825,368	76 La Banque Postale Asset Management	France	220,000	216,000
15 Nuveen	US	813,009	810,047	77 Nordea Asset Management	Denmark	216,625 ⁽¹⁾	222,362
16 Natixis Investment Managers	France	808,322	830,847	78 PGGM	Netherlands	211,000	218,000
17 Invesco	US/UK	777,047	780,714	79 BMO Global Asset Management	Canada	209,855	216,844
18 Northern Trust Asset Management	US	774,416	800,644	80 Swiss Life Asset Managers	Switzerland	206,700	191,100
19 AXA Investment Managers	France	729,815	745,912	81 Loomis, Sayles & Company*	US	205,000	211,000
20 Sumitomo Mitsui Trust AM [SuMi TRUST]	Japan	695,799	656,450	82 Mercer	US/UK	199,700	-
21 Insight Investment*	UK	691,691	658,905	83 Caisse de dépôt et placement du Québec	Canada	198,172	198,476
22 UBS Asset Management	Switzerland	681,775	663,562	84 BrightSphere Investment Group	US	198,146 ⁽²⁾	-
23 DWS Group	Germany	662,170	701,736	85 Baillie Gifford & Co.	UK	193,086	202,331
24 PGIM Fixed Income*	US	649,058	-	86 Guggenheim Investments	US	186,291 ⁽²⁾	199,648
25 Affiliated Managers Group	US	642,640	696,554	87 BNY Mellon Cash Investment Strategies*	US	181,551	198,412
26 Legg Mason	US	638,564	642,894	88 Voya Investment Management	US	179,081	192,993
27 Franklin Templeton	US	567,164	628,243	89 Nikko Asset Management Europe	Japan	176,543	176,211
28 Aberdeen Standard Investments	UK	562,691	648,519	90 Anima	Italy	173,107	94,398
29 BNP Paribas Asset Management France	France	537,405	569,332	91 Santander Asset Management	Spain	171,698	178,145
30 MetLife Investment Management	US	514,267	489,162	92 AQR Capital Management	US	171,506	186,700
31 Allianz Global Investors	Germany	505,000	498,000	93 Kohlberg Kravis Roberts & Co.	US	170,101	140,622
32 Mitsubishi UFJ Trust and Banking Corp	Japan	503,998 ⁽¹⁾	536,293	94 Lazard Asset Management	US	168,656	185,183
33 Schroder Investment Management	UK	493,048	476,214	95 Eastspring Investments (Singapore)	Singapore	168,617	156,556
34 New York Life Investments	US	477,089	451,236	96 The TCW Group	US	166,508	170,513
35 APG Asset Management	Netherlands	462,592	473,654	97 SEB	Sweden	165,275	185,930
36 Dimensional Fund Advisors	US	452,536	480,593	98 Robeco	Netherlands	161,886	161,060
37 AllianceBernstein	US	451,693	461,768	99 E Fund Management	China	159,902	158,989
38 Generali Investments	Italy	449,959	463,035	100 Itaú Asset Management	Brazil	155,480 ⁽²⁾	148,721
39 Mellon*	US	420,113	474,445	101 Pictet Asset Management	Switzerland	151,873	164,396
40 Blackstone	US	420,000	361,000	102 Lord, Abbett & Co.	US	141,601	131,638
41 Wells Fargo Asset Management	US	415,614 ⁽¹⁾	402,194	103 Jennison Associates*	US	140,382	-
42 Asset Management One International	Japan	414,925	420,000	104 Putnam Investments	US	140,165	142,656
43 Morgan Stanley Investment Management	US	405,132	401,020	105 Bridgewater Associates	US	139,770	120,686
44 Federated Investors	US	401,414	330,757	106 Lyxor Asset Management	France	137,300	132,200
45 Nomura Asset Management	Japan	399,800	360,967	107 BRAM - Bradesco Asset Management	Brazil	136,520	154,569
46 HSBC Global Asset Management	UK	398,233	390,591	108 Aon	UK	135,177	-
47 Columbia Threadneedle Investments	US	376,000	412,000	109 Swisscanto Invest by Zürcher Kantonalbank	Switzerland	132,314	136,315
48 Western Asset Management Company*	US	374,900	363,600	110 Helaba Invest	Germany	132,136	130,990
49 MFS Investment Management	US	373,214	408,947	111 American Century Investments	US	130,662	144,372
50 M&G Prudential	UK	373,180	395,400	112 Swedbank Robur Fonder	Sweden	130,400 ⁽³⁾	127,895
51 Eaton Vance	US	369,643	360,764	113 MN	Netherlands	129,006	129,940
52 Aviva Investors	UK	365,970	397,924	114 Achmea Investment Management	Netherlands	128,995	119,554
53 Principal Global Investors	US	361,044	377,691	115 China Asset Management Company	China	128,283	128,152
54 Credit Suisse Asset Management	Switzerland	344,363	330,189	116 Royal London Asset Management	UK	126,363	129,150
55 Geode Capital Management	US	338,943	329,705	117 Investec Asset Management	South Africa/UK	126,031	117,044
56 Union Investment	Germany	331,887	323,919	118 First State Investments	Australia	125,751	142,121
57 Macquarie Asset Management	Australia	327,552	306,830	119 Conning	US	117,687	101,023
58 Manulife Asset Management	Canada	318,228	326,515	120 GAM	Switzerland	117,321	135,637
59 Aegon Asset Management	Netherlands	315,628	318,078	121 AMP Capital	Australia	115,315	122,274
60 Charles Schwab Investment Management	US	314,483	345,000	122 Candriam	Belgium	114,895	112,583
61 Brookfield Asset Management	US	308,975	-	123 Ares Management	US	113,964	88,739
62 Eurizon Asset Management	Italy	302,740	310,013	124 Union Bancaire Privée	Switzerland	112,564	107,075

Company	Country	2019	2018	Company	Country	2019	2018		
		31/12/18 (€m)	31/12/17 (€m)			31/12/18 (€m)	31/12/17 (€m)		
125	Mirae Asset Global Investments	South Korea	112,479	101,798	200	LGT Capital Partners	Switzerland	53,715	51,725
126	Sura Asset Management	Colombia	112,037	115,731	201	Marathon Asset Management	UK	52,975	51,544
127	ClearBridge Investments*	US	109,600	113,800	202	QIC	Australia	52,776	55,374
128	DoubleLine	US	105,330	-	203	BlueBay Asset Management	UK	52,398	49,784
129	Oaktree Capital Management	US	104,591	83,470	204	Oddo BHF Asset Management	France	51,858	59,666
130	Hines	US	104,263	91,868	205	Hamilton Lane Advisors	US	51,320	41,896
131	Vontobel Asset Management	Switzerland	104,157	105,346	206	Walter Scott & Partners*	UK	51,299	55,562
132=	LSV Asset Management	US	103,396 ⁽²⁾	96,578	207	HarbourVest Partners	US	51,276	40,643
132=	MacKay Shields	US	103,396 ⁽²⁾	84,406	208	Brown Advisory	UK	50,955	50,717
134	Danske Bank Asset Management	Denmark	101,539	108,769	209	Newton Investment Management*	UK	50,941	60,657
135	BBVA Asset Management	Spain	101,406	99,322	210	Record Currency Management	UK	50,558	53,235
136	CIBC Asset Management	Canada	101,084	108,488	211	Degroof Petercam Asset Management	Belgium	50,549	54,753
137	Harvest Global Investments	China	100,379	102,846	212	Harding Loevener*	US	50,317	34,608
138	Groupama Asset Management	France	99,406	99,838	213	Tokio Marine Asset Management	Japan	49,817	48,605
139	KBC Asset Management	Belgium	98,465	108,963	214	CaixaBank Asset Management	Spain	49,522 ⁽¹⁾	51,370
140	Payden & Rygel Global	US	97,538	97,518	215	Pathway Capital Management	US	48,269	40,202
141	Nissay Asset Management Coproration	Japan	97,533	-	216	Cohen & Steers Capital Management	US	47,890	51,840
142	QMA*	US	95,131	-	217	CPR Asset Management	France	47,535	46,069
143	Covéa Finance	France	95,100	93,300	218	Jupiter Asset Management	UK	47,354	56,533
144	Man Group	UK/Switzerland	94,559	90,919	219	GCM Grosvenor	US	46,751	41,564
145	Harris Associates*	US	94,000	116,800	220	Victory Capital Management	US	46,092	49,425
146	CBRE Global Investors	US	92,100	86,000	221	Connor, Clark & Lunn Financial Group	Canada	45,665	49,364
147	IGM Financial	Canada	91,653	103,824	222	BBH Investment Management	US	45,425	46,743
148	Sparx Group	Japan	90,611	-	223	Tishman Speyer	US	44,054	40,400
149	Sumitomo Mitsui Asset Management Co.	Japan	88,058	86,279	224	Baloise Asset Management	Switzerland	43,576	48,439
150	PGIM Investments*	US	87,356	-	225	Pantheon*	UK	43,075	32,668
151	Fiera Capital	Canada	87,080	82,845	226	William Blair	US	42,748	61,254
152	Prologis	US	86,706	65,592	227	Carillon Tower Advisers	US	42,610	-
153	Artisan Partners	US	83,984	96,207	228	Clarion Partners*	US	42,500	37,200
154	BayernInvest	Germany	83,688	84,321	229	Carmignac Gestion	France	42,455	56,553
155	First Eagle Investment Management	US	83,441	95,347	230	Sun Life Investment Management	Canada	42,260	-
156	PGIM Global Partners*	US	81,591	-	231	Daiwa SB Investments UK	UK	41,822	45,849
157	Galliard Capital Management	US	81,112 ⁽²⁾	73,448	232	Mondrian Investment Partners	UK	41,805	52,258
158	Fisher Investments	US	80,181	79,708	233	Patrizia Immobilien	Germany	40,634	39,718
159	CI Financial Corp.	Canada	79,514	95,083	234	Lombard Odier Investment Managers	Switzerland	39,947	41,774
160	Hartford Investment Management Co.	US	78,271	82,301	235	VanEck	US	39,021	-
161	PineBridge Investments	US	78,217	71,106	236	Old Mutual investment Group	UK	38,990	44,360
162	Arrowstreet Capital	US	77,805	81,198	237	Colchester Global Investors	UK	38,771	33,716
163	Willis Towers Watson	UK	77,547	-	238	PanAgora Asset Management	US	37,705	44,899
164	Mesirow Financial Currency Management	US	77,120	66,327	239	Colony Capital	US	37,300	35,100
165	BCV	Switzerland	76,409 ⁽⁴⁾	-	240	Hermes Investment Management	UK	37,297	37,147
166	Rothschild & Co	France	75,900	66,600	241	Joh. Berenberg, Gossler & Co.	Germany	36,700	41,500
167	Hauck & Aufhäuser Privatbankiers	Germany	74,973 ⁽⁵⁾	60,743	242	Lapre Asset Management	Spain	36,635	5,811
168	Mediolanum Group	Italy	74,080	75,717	243	Heitman	US	36,391	32,512
169	Metzler Asset Management	Germany	74,022	75,735	244	Universal-Investment	Germany	36,010	33,715
170	Pricoa Capital Group*	US	72,855	-	245=	Quilvest	Luxembourg	36,000	36,000
171	Partners Group	Switzerland	72,846	61,936	245=	Shinhan BNP Paribas AMC*	South Korea	36,000	31,950
172	Acadian Asset Management*	US	71,980	81,574	247	Intermediate Capital Group	UK	35,516	27,443
173	OP Financial Group	Finland	71,800	78,000	248	Thornburg Investment Management	US	35,366	41,000
174	Boston Partners	US	71,283	78,885	249	Coronation Fund Managers	South Africa/UK	33,389	41,368
175	Storebrand Asset Management	Norway	70,814	73,252	250	SECOR Asset Management	US	33,353	35,520
176	Edmond de Rothschild	Switzerland	70,500	65,135	251	Mapletree Investments	Singapore	33,272	-
177	OFI Asset Management	France	69,885	68,696	252	Mawer Investment Management	Canada	33,165	-
178	Northill Capital	UK	69,012	42,520	253	Raiffeisen Capital Management	Austria	32,214	32,974
179	LBBW Asset Management	Germany	68,033	65,982	254	Bentall Kennedy*	US	31,667	31,003
180	Ashmore Group	UK	67,500	57,900	255	Adams Street Partners	US	31,625 ⁽⁷⁾	26,976
181	Irish Life Investment Managers	Ireland	67,140	69,000	256	GW&K Investment Management*	US	31,623	30,885
182	La Française	France	65,755	66,150	257	Epoch Investment Partners	US	31,059	41,207
183	CVC	UK	65,517	57,169	258	J O Hambro Capital Management	UK	30,748	35,073
184	CapitaLand	Singapore	63,950	55,443	259=	AEW*	France	30,700	27,700
185	PGIM Real Estate*	US	63,508	-	259=	Arca Fondi	Italy	30,700	32,342
186	Barrow, Hanley, Mewhinney & Strauss*	US	62,930	76,395	261	Bank J. Safra Sarasin	Switzerland	29,967	-
187	DNB Asset Management	Norway	62,593 ⁽⁶⁾	60,503	262	Artemis Investment Management*	UK	29,346	31,700
188	New England Asset Management	US	61,412	80,404	263	Quoniam Asset Management	Germany	28,810	29,716
189	Brandywine Global Investment Mngt.*	US	61,200	61,900	264	H2O Asset Management*	UK	28,400	15,800
190	Handelsbanken	Sweden	60,215	59,000	265	VidaCaixa	Spain	28,187	30,049
191	CM-CIC Asset Management	France	59,000	63,000	266	HFT Investment Management*	China	26,980	26,370
192	Kempen Capital Management	Netherlands	58,889	59,807	267	Alcentra*	US	26,971	29,400
193	Erste Asset Management	Austria	57,772	63,338	268	Muzinich & Co.	US	26,945	30,099
194	LaSalle Investment Management	US	57,214 ⁽¹¹⁾	49,197	269	Managed Portfolio Advisors*	US	26,000	24,600
195	ASR Vermogensbeheer	Netherlands	56,224	51,300	270	Comgest	France	25,740	28,276
196	Actiam	Netherlands	56,105	54,125	271	PAG	Hong Kong	25,400	16,800
197	PGIM Real Estate Finance*	US	55,122	-	272	DNCA Investments*	France	25,300	25,300
198	GMO UK	US/UK	54,879	58,588	273	TFG Asset Management	UK	24,545	19,159
199	Starwood Capital Group	US	54,544 ⁽¹¹⁾	47,289	274	Ampega Investment	Germany	24,500	-

Company	Country	2019	2018	Company	Country	2019	2018
		31/12/18 (€m)	31/12/17 (€m)			31/12/18 (€m)	31/12/17 (€m)
275 Beutel Goodman & Company*	Canada	24,238	24,790	338 Liontrust Asset Management	UK	12,512	11,993
276 InsingerGilissen	Netherlands	23,700	25,000	339 EnTrust Permal*	US	12,500	14,300
277 Landmark Partners*	US	23,550	17,843	340 DMFCO - Dutch Mortgage Funding Co.	Netherlands	12,400	-
278 Nykredit Asset Management	Denmark	23,000	24,026	341 Adrian Lee & Partners	UK	12,350	12,704
279 Stone Harbor Investment Partners	US	22,966	28,271	342 BankInvest	Denmark	12,318	19,865
280 Banco Sabadell	Spain	22,765 ⁽¹⁾	22,208	343 Westwood Management Corp.	US	12,091	17,452
281 AGF Management	Canada	22,737	24,457	344 Alfred Berg*	Sweden	12,000	10,700
282 Los Angeles CM and Equity Research	US	22,300	24,881	345 Allianz Popular Pensiones	Spain	11,869	13,218
283 AEW Capital Management*	US	22,000	20,200	346 Kutxabank Gestion	Spain	11,836 ⁽¹⁾	21,592
284 Tikehau Investment Management	France	21,962	-	347 Bankinter	Spain	11,743 ⁽¹⁾	11,055
285 Cardano	UK	21,500	18,000	348 Yactman Asset Management*	US	11,695	15,888
286 Winton Group*	UK	21,207	23,500	349 Sparinvest	Luxembourg	11,600 ⁽¹⁾	13,561
287 Brandes Investment Partners	US	21,023	25,958	350 DJE Kapital	Germany	11,519	12,000
288 Liechtensteinische Landesbank (Österreich)	Austria	21,000	14,000	351 Highland Capital Management	US	11,477 ⁽⁵⁾	11,477
289 Fred Alger Management	US	20,698	-	352 Evli Bank	Finland	11,400	11,200
290 SPF Beheer	Netherlands	20,665	20,873	353 Siguler Guff*	US	11,356	10,675
291 KGAL Group	Germany	20,487	22,663	354 Glenview Capital Management	US	11,350	15,056
292 Davis Selected Advisers	US	20,144	24,323	355 Bouwinvest Real Estate Investors	Netherlands	11,278	9,420
293 VTB Capital Investments	Russia	20,023	8,613	356 Royce & Associates*	US	11,200	14,500
294 Unigestion	Switzerland	19,884	22,028	357 Sberbank Asset Management JSC	Russia	11,160 ⁽⁹⁾	6,457
295 Jyske Capital	Denmark	19,792	19,457	358 Frontier Capital Management*	US	11,094	11,685
296 Stifel	US	19,743	-	359 GNB Gestão de Ativos	Portugal	10,728	10,812
297 Assenagon Asset Management	Germany	19,710	21,712	360= Lupus alpha Asset Management	Germany	10,500	10,800
298 Generation Investment Management	UK	19,700 ⁽²⁾	15,387	360= QS Investors*	US	10,500	12,100
299 Cheyne Capital	UK	19,647	20,045	362 PAAMCO Prisma	US	10,300	13,855
300 Lendlease Investment Management	Australia	19,083 ⁽⁶⁾	18,438	363 Capital Four	Denmark	10,269	9,730
301 Thompson, Siegel & Walmsley*	US	19,075 ⁽²⁾	20,830	364 LocalTapiola Asset Management	Finland	10,208	10,821
302 Seix Investment Advisors	US	18,986 ⁽²⁾	20,700	365 Kairos Partners	Italy	10,200	11,306
303 EIG Global Energy Partners*	US	18,874	12,600	366 Tristan Capital Partners	UK	10,112	9,113
304 Calamos Investments	US	18,778	17,311	367= Gateway Investment Advisers*	US	10,100	10,400
305 Savills Investment Management	UK	18,300	16,053	367= Mirova*	France	10,100	9,000
306 Eagle Asset Management*	US	17,787	24,896	369 DTZ Investors	UK	10,073	10,074
307 Bankia Fondos	Spain	17,717 ⁽¹⁾	15,481	370 BPI Gestão de Activos	Portugal	10,000	11,268
308 First Quadrant*	US	17,538	21,870	371 HQ Capital	US/Germany	9,948	9,424
309 Veritas Asset Management*	UK	17,363	15,161	372 T&D Asset Management Co.	Japan	9,855 ⁽¹⁰⁾	-
310 AJO	US	17,235	-	373 KBI Global Investors	Ireland	9,787	10,108
311 EFG Asset Management (UK)	UK	17,020 ⁽⁵⁾	17,020	374 Baker Street Advisors*	US	9,710	5,000
312 C WorldWide Asset Management	Denmark	16,600 ⁽⁶⁾	16,000	375 Setanta Asset Management	Ireland	9,697	9,268
313 BlueMountain Capital Management*	US	16,598	18,300	376 ValueAct Capital*	US	9,609	16,248
314 Genesis Investment Management*	UK	16,040	24,304	377 Pyrford Investments	UK	9,368	8,738
315 Kepler-Fonds	Austria	15,860 ⁽²⁾	15,770	378 Access Capital Partners	France	8,900	8,300
316 Reams Asset Management*	US	15,743	-	379 Maple-Brown Abbott	Australia	8,878	10,483
317 TwentyFour Asset Management	UK	15,630	12,718	380 Aktia Bank	Finland	8,860	12,281
318 Capula Investment Management*	UK	15,484	-	381 Fisch Asset Management	Switzerland	8,828	9,101
319 CQS	UK	15,400	12,200	382 Vaughan Nelson Investment Mngt.*	US	8,800	9,300
320 Prime Advisors*	US	15,367	-	383 myCIO Wealth Partners*	US	8,648	4,760
321 Millennium Global Investments	UK	15,185	15,990	384 La Financière de L'Echiquier	France	8,579	8,974
322 The GPT Group	Australia	14,719	14,080	385 American Realty Advisors	US	8,560	-
323= Hayfin Capital Management	UK	14,000	11,400	386 TOBAM	France	8,549	7,934
323= Siemens Fonds Invest	Germany	14,000 ⁽⁸⁾	14,400	387 Rent4	Spain	8,544 ⁽¹⁾	8,105
325 Capital Dynamics	Switzerland	13,960	11,700	388 Maj Invest	Denmark	8,525	9,654
326 SCOR Investment Partners	France	13,920	13,990	389 CenterSquare Investment Management	US	8,470 ⁽¹¹⁾	7,887
327 Baring Private Equity Asia*	China	13,642	9,180	390 Seeyond*	France	8,400	7,400
328 Southeastern Asset Management	US	13,370 ⁽²⁾	15,333	391 Abbott Capital Management	US	8,207 ⁽¹⁾	7,429
329 Majedie Asset Management	UK	13,213	16,500	392 Aquila Group (Aquila Capital)	Germany	8,179	4,644
330 Syz Asset Management	Switzerland	13,112	15,581	393 Ryan Labs Asset Management*	US	7,684	5,831
331 Martin Currie Investment Management*	UK	13,100	16,500	394 Foysten, Gordon, Payne*	Canada	7,425	8,168
332 Tweedy, Browne Company*	US	13,052	16,861	395 IPM Informed Portfolio Management	Sweden	7,400	7,197
333 Sydbank Asset Management	Denmark	12,984 ⁽⁶⁾	11,660	396 KLP Kapitalforvaltning	Norway	7,332 ⁽²⁾	6,841
334 Impax Asset Management Group	UK	12,857	9,267	397 Ecofi Investissements	France	7,300	9,125
335 Veritable LP*	US	12,773	10,000	398 Arion Bank	Iceland	7,294	7,908
336 TimesSquare Capital Management*	US	12,667	14,900	399 Cromwell Property Group	Australia	7,280	7,327
337 RWC Partners	UK	12,520	11,685	400 DDJ Capital Management	US	7,180	6,523

©IPE Research.

(1) As at 31/09/18 (2) As at 31/03/19 (3) As at 30/08/18 (4) As at 30/04/19 (5) As at 31/12/17 (6) As at 30/06/18 (7) As at 01/03/19 (8) As at 28/12/18 (9) As at 29/03/19 (10) As at 31/03/18 (11) As at 31/07/18

*Total also included in figure for parent company. See directory for details.

These tables were compiled from extensive questionnaires sent to asset managers. Where companies did not respond, we compiled shorter entries from data that was available from the group or public sources. All data relates to 31 December 2018, unless otherwise stated. An element of double counting occurs where we have included figures from asset managers and their parent companies, but we have removed this from

the overall headline totals. Please note that all rights to this material in the tables and listings are reserved. No part of this supplement may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior permission of the publisher.

To purchase the data in this supplement contact morgan.jones@ipe.com