

Table 1a: Stock Exchange Price Index Movements

Exchange	Index	Value at month end	% Change MoM	% Change YDT	Month high	Day	Month low	Day	Year high	Year low
Athens Exchange	ATHEX Composite Share Price Index	630.23	-1.5	-21.5	649.38	8	592.70	20	895.64	592.70
BME (Spanish Exchanges) Barcelona	Barcelona: Bcn Global 100 Index	713.60	2.1	-12.1	728.90	8	695.20	20	868.54	677.24
BME (Spanish Exchanges) Bilbao	Bilbao: Indice Bolsa de Bilbao 2000	1 426.26	1.9	-9.6	1 453.56	8	1 387.70	20	1 667.18	1 359.72
BME (Spanish Exchanges) Madrid	Madrid: IGBM Index Indice General	911.84	1.4	-10.2	930.69	8	889.24	20	1 076.62	872.86
BME (Spanish Exchanges) Valencia	Valencia: IGBV Index	1 185.90	3.6	-7.3	1 199.44	29	1 144.23	1	1 358.12	1 106.24
Bucharest Stock Exchange	BETPlus (BUCHAREST EXCHANGE TRADING PLUS INDEX)	1 292.69	1.9	10.9	1 292.69	29	1 268.12	20	1 347.29	1 176.31
CEESEG - Vienna	Wiener Börse Index	1 225.42	-2.1	-8.3	1 279.84	8	1 208.32	27	1 438.40	1 208.32
Cyprus Stock Exchange	CSE General Index(Main and Parallel Market Index)	66.82	-1.6	-3.9	67.82	14	65.54	29	76.38	65.54
Deutsche Börse	CDAX - Price	509.46	-1.9	-14.4	526.36	7	500.59	20	625.19	500.59
Euronext Amsterdam	AAX All Share Index	764.45	-0.9	-6.2	783.96	7	752.04	20	849.49	751.24
Euronext Brussels	BAS Price	11 463.22	0.4	-11.5	11 678.67	7	11 271.94	23	13 487.52	11 210.11
Euronext Paris	SBF 250 Price Index	3 917.85	-2.1	-6.4	4 040.99	7	3 849.93	20	4 424.19	3 849.93
Irish Stock Exchange	ISEQ Overall	5 818.65	-5.4	-17.3	6 316.61	8	5 772.58	20	7 257.41	5 772.58
Luxembourg Stock Exchange	LUX General Price Index	729.21	-6.3	-15.0	792.72	7	715.84	27	923.94	715.84
NASDAQ Nordic - Copenhagen	OMX Copenhagen (OMXC)	779.87	1.1	-6.8	799.27	9	760.29	20	878.70	748.26
NASDAQ Nordic - Helsinki	OMX Helsinki (OMXH)	9 015.57	-3.1	-4.8	9 482.84	8	9 005.76	22	10 433.91	9 005.76
NASDAQ Nordic - Iceland	OMX Iceland All-Share PI (OMXIP)	1 226.97	0.4	-4.9	1 269.71	19	1 182.69	29	1 396.23	1 182.69
NASDAQ Nordic - Stockholm	OMX Stockholm (OMXS)	558.50	-1.7	-1.8	574.86	2	537.82	20	617.64	537.82
NASDAQ Nordics & Baltics	OMX Nordic Eur PI (All-Share)	298.30	-1.1	-6.1	307.70	8	290.48	20	330.03	290.48
Oslo Børs	OSEBXPR	392.39	-3.5	1.8	409.42	7	381.54	23	433.84	371.28
SIX Swiss Exchange	SMI Index	10 540.95	-0.9	12.4	10 735.86	8	10 200.85	20	10 911.75	8 372.90
Zagreb Stock Exchange	CROBEX	1 729.38	-2.8	n/d	1 788.77	9	1 713.37	23	1 886.99	1 713.37

Table 1b: Stock Exchange Total Return Index Movements

Exchange	Index	Value at month end	% Change MoM	% Change YTD	Month high	Day	Month low	Day	Year high	Year low
Athens Exchange	ATHEX Composite Total Return Index	997.20	-1.6	-20.1	1 027.50	8	937.82	20	1 392.60	653.39
BME (Spanish Exchanges) Madrid	Madrid : Indice Total	3 514.18	1.7	-7.0	3 561.46	8	3 435.99	20	4 001.76	3 371.67
Bucharest Stock Exchange	BET-TR (BUCHAREST EXCHANGE TRADING TOTAL RETURN INDEX)	12 631.34	1.8	21.2	12 631.34	29	12 384.91	20	12 631.34	10 633.91
Bulgarian Stock Exchange	SOFIX Index	592.12	-0.8	n/d	599.51	2	581.80	20	720.68	581.80
CEESEG - Vienna	Austrian ATX Total Return (ATXTR)	5 694.26	-2.7	-7.5	6 017.54	8	5 694.26	30	6 663.20	5 615.95
Deutsche Börse	CDAX - Performance	1 062.63	-1.9	-12.1	1 097.89	7	1 044.15	20	1 270.00	1 044.15
Euronext Amsterdam	AAX All Share Total Return	2 638.97	-0.5	-3.2	2 698.83	7	2 595.97	20	2 898.40	2 583.91
Euronext Brussels	Euronext Brussels	41 011.04	0.7	-9.2	41 679.52	7	40 259.05	23	47 043.18	40 005.02
Euronext Lisbon	PSI general	2 858.63	-3.1	-3.7	2 939.75	8	2 813.48	23	3 310.42	2 813.48
Euronext Paris	SBF 250 Total Return	9 199.44	-2.0	-3.7	9 484.94	7	9 038.15	20	10 257.86	9 038.15
Irish Stock Exchange	ISEQ Total Return	12 645.76	-5.3	-15.9	13 590.02	7	12 639.50	20	15 558.22	12 639.50
NASDAQ Nordic - Copenhagen	OMX Copenhagen Benchmark (OMXCB)	1 393.40	2.1	-6.7	1 419.30	9	1 352.02	20	1 560.03	1 323.14
NASDAQ Nordic - Helsinki	OMX Helsinki Benchmark (OMXHB)	100.25	-4.1	0.8	106.53	8	100.25	30	114.16	99.66
NASDAQ Nordic - Iceland	OMX Iceland All-Share GI (OMXIGI)	616.21	0.4	-2.1	637.68	19	593.98	29	691.85	593.98
NASDAQ Nordic - Riga	OMX Riga (OMXR)	955.74	0.3	-4.1	963.69	14	931.08	15	1 118.04	915.62
NASDAQ Nordic - Stockholm	OMX Stockholm Benchmark (OMXSB)	981.01	-1.8	1.3	1 009.40	2	945.51	20	1 089.42	929.13
NASDAQ Nordic - Tallinn	OMX Tallinn (OMXT)	1 226.97	3.9	-1.2	1 226.97	30	1 183.29	14	1 319.04	1 180.57
NASDAQ Nordic - Vilnius	OMX Vilnius (OMXV)	642.98	-1.2	-1.6	658.66	5	633.36	22	729.74	633.36
Oslo Børs	OSEBX	860.98	-3.2	5.7	895.61	7	837.14	23	946.43	784.79
SIX Swiss Exchange	SPI Index	9 037.76	0.2	-15.9	9 130.98	8	8 716.95	20	11 040.77	8 586.82
Warsaw Stock Exchange	WIG Total Return Index	58 203.39	5.2	-8.7	58 412.94	29	54 866.97	16	67 933.05	54 027.32
Zagreb Stock Exchange	CROBEXtr	1 116.58	-2.8	n/d	1 154.93	9	1 106.25	23	1 189.76	1 106.25

Table 1c: Stock Exchange Traded Index Movements

Exchange	Index	Value at month end	% Change MoM	% Change YDT	Month high	Day	Month low	Day	Year high	Year low	Vol %
Athens Exchange	FTSE/ATHEX Large Cap	1 657.17	-1.6	-20.5	1 715.36	8	1 548.58	21	2 275.91	1 548.58	23.3
BME (Spanish Exchanges)	IBEX - 35	9 077.20	2.1	-9.6	9 232.30	8	8 829.60	20	10 643.40	8 627.60	12.1
Bucharest Stock Exchange	BET Index	8 665.36	1.7	11.8	8 671.98	7	8 499.23	20	9 006.10	7 814.50	10.2
Budapest Stock Exchange	BUX Index	40 109.37	8.0	1.9	40 109.37	30	37 666.00	6	41 516.41	34 720.31	17.5
CEESEEG - Vienna	Austrian Traded Index (ATX)	3 074.94	-2.7	-10.1	3 249.51	8	3 002.83	27	3 700.37	3 002.83	14.0
Cyprus Stock Exchange	FTSE/CySE20	40.05	-1.6	-3.6	40.61	14	39.23	29	45.70	39.14	0.0
Deutsche Börse	DAX - Performance Index	11 257.24	-1.7	-12.9	11 579.10	7	11 066.41	20	12 435.59	11 955.25	14.2
Euronext	Euronext 100	973.20	-1.3	-5.8	999.21	7	957.83	20	1 087.39	957.83	11.1
Euronext Amsterdam	AEX	519.37	0.1	-4.6	529.61	13	510.48	20	576.24	507.52	11.2
Euronext Brussels	BEL 20	3 487.90	1.2	-12.3	3 561.87	7	3 426.89	22	4 176.88	3 373.51	11.8
Euronext Lisbon	PSI 20	4 914.14	-2.3	-8.8	5 020.71	8	4 800.59	23	5 791.88	4 800.59	11.9
Euronext Paris	CAC40	5 003.92	-1.8	-5.8	5 137.94	7	4 924.89	20	5 640.10	4 924.89	12.3
Irish Stock Exchange	ISEQ@20 Index	968.32	-4.9	-16.7	1 046.98	8	960.29	20	1 196.32	960.29	0.0
Luxembourg Stock Exchange	Lux X Price Index	1 453.05	-6.8	-11.3	1 586.23	7	1 425.29	20	n/a	n/a	17.9
NASDAQ Nordic - Copenhagen	OMX Copenhagen 20 (OMXC20 CAP)	1 037.39	1.6	-9.3	1 062.44	8	1 011.16	20	n/a	n/a	15.1
NASDAQ Nordic - Helsinki	OMX Helsinki 25 (OMXH25)	3 792.81	-4.2	-3.2	4 037.89	8	3 792.81	30	n/a	n/a	14.0
NASDAQ Nordic - Iceland	OMX Iceland 8 CAP (OMXI8CAP)	1 440.93	1.6	-4.4	1 517.59	16	1 382.44	29	1 651.98	1 382.44	31.9
NASDAQ Nordic - Stockholm	OMX Stockholm 30 (OMXS30)	1 514.63	-1.5	-4.0	1 551.39	2	1 456.85	20	n/a	n/a	13.0
NASDAQ Nordics & Baltics	OMX Nordic 40 (OMXN40)	1 462.32	0.1	-6.8	1 493.58	8	1 417.92	20	1 636.60	1 414.70	12.6
Oslo Børs	OBX	790.91	-4.2	6.5	827.05	7	772.42	23	881.01	718.76	0.0
SIX Swiss Exchange	SMI	9 037.76	0.2	-3.7	9 130.98	8	8 716.95	20	9 616.38	8 372.90	12.1
Warsaw Stock Exchange	WIG20 Index	2 291.08	6.5	-6.9	2 303.37	29	2 137.46	16	2 650.16	2 082.77	21.5

Table 1d: Specialised Markets/Segments Index

Exchange	Index	Type	Value at month end	% Change MoM	% Change YDT	Month high	Day	Month low	Day	Year high	Year low
Athens Exchange	ATHEX Alternative Market Price Index	Price Index	2 457.33	0.0	2.0	2 471.42	16	2 418.62	5	2 582.6	2 305.54
Bucharest Stock Exchange	Rasdaq Index		36 631.85	1.8	-7.6	37 443.95	6	35 989.29	2	43 541.6	35 973.43
Cyprus Stock Exchange	ECM INDEX CSE		900.75	-0.0	0.3	902.50	21	897.03	7	911.8	894.64
Deutsche Börse	SCALE All Share	Total Return Index	993.01	-3.5	-24.3	1 044.24	5	949.62	21	1 391.5	949.62
Irish Stock Exchange	ESM		1 989.13	-9.5	-23.5	2 338.25	8	1 954.82	30	2 677.1	1 954.82
NASDAQ Nordics & Baltics	First North All-Share EUR	Price Index	104.18	-4.1	7.3	110.46	2	101.69	20	117.4	96.59
Oslo Børs	Oslo Axess All-share index (OAX)	Total Return Index	102.01	-9.1	11.4	113.55	2	101.43	26	116.9	91.15
Warsaw Stock Exchange	NCIndex	Total Return Index	202.50	-10.0	-27.2	231.54	5	193.94	21	285.2	193.94

Table 1e: Specialised Markets/Segments Index in Bonds

Exchange	Index	Type	Value at month end	% Change MoM	% Change YDT	Month high	Day	Month low	Day	Year high	Year low
Athens Exchange	Alternative Market (EN.A)	No specific	n/a	n/d	n/d	n/a	n/a	n/a	n/a	n/a	n/a
Deutsche Börse	REX	return	486.30	0.3	1.2	486.30	30	483.20	8	487.91	474.42
Irish Stock Exchange	All Bond Index	SMEs	113.08	-0.0	-2.4	113.08	30	112.37	16	115.69	112.32
Oslo Børs	Governmentbond index 5.00 (ST5X)		6 631.56	0.8	0.3	6 631.56	30	6 558.48	7	6 631.56	6 526.37

Table 2: Market Capitalization

All Market Segments, Domestic Equity (in EURO millions)

Exchange	Value at month end (EUROm)	% Change MoM (EURO)	% Change on previous year end in EURO	% Change on previous year end in loc. curr
Athens Exchange	34 685.84	-1.8	-17.9	-17.9
BME (Spanish Exchanges)	672 271.03	2.3	-9.4	-9.4
Bucharest Stock Exchange	21 341.60	2.6	8.4	8.3
Budapest Stock Exchange	25 618.99	8.3	-2.7	1.5
Bulgarian Stock Exchange	13 604.10	8.2	n/d	n/d
CEESEG - Vienna	112 980.23	-5.8	-10.2	-10.2
Cyprus Stock Exchange	2 927.80	-1.8	24.3	24.3
Deutsche Börse	1 641 124.76	-1.9	-13.1	-13.1
Euronext	3 457 602.00	-2.0	-5.7	-5.7
Irish Stock Exchange	102 233.92	-4.9	-16.4	-16.4
Luxembourg Stock Exchange	47 421.74	-6.6	-17.2	-17.2
NASDAQ Nordics & Baltics	1 207 600.55	-1.7	-5.7	-5.7
Oslo Børs	254 451.68	-5.3	6.2	5.1
SIX Swiss Exchange	1 333 842.04	-0.8	-5.3	-7.7
Warsaw Stock Exchange	141 075.57	4.7	-16.1	-13.7
Zagreb Stock Exchange	18 297.02	-0.4	n/d	n/d
TOTAL	9 087 078.87			

Table 3a: Listed Companies

Exchange	Total N° of new Company Listings			Of which are through an IPO			Total N° of Companies with Listed Shares		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
Athens Exchange	0	0	0	0	0	0	195	4	199
BME (Spanish Exchanges)	4	0	4	0	0	0	2 988	27	3 015
Bucharest Stock Exchange	0	0	0	n/a	n/a	n/d	85	2	87
Budapest Stock Exchange	0	0	0	0	0	0	42	0	42
Bulgarian Stock Exchange	1	0	1	0	0	0	275	0	275
CEESEEG - Vienna	n/a	n/a	n/d	n/a	n/a	n/d	67	610	677
Cyprus Stock Exchange	0	0	0	0	0	0	91	12	103
Deutsche Börse	1	0	1	0	0	0	463	49	512
Euronext	1	0	1	0	0	0	1 072	162	1 234
Irish Stock Exchange	1	0	1	0	0	0	43	11	54
Luxembourg Stock Exchange	0	0	0	0	0	0	27	138	165
NASDAQ Nordics & Baltics	12	0	12	10	0	10	970	45	1 015
Oslo Børs	0	1	1	0	0	0	186	51	237
SIX Swiss Exchange	0	0	0	0	0	0	235	34	269
Warsaw Stock Exchange	1	0	1	0	0	0	826	28	854
Zagreb Stock Exchange	0	0	0	0	0	0	128	0	128
TOTAL	21	1	22	10	0	10	7 693	1 173	8 866

Table 3b: Listed Companies, Year to Date

Exchange	Total N° of new Company Listings			Of which are through an IPO		
	Domestic	Foreign	Total	Domestic	Foreign	Total
Athens Exchange	1	0	1	1	0	1
BME (Spanish Exchanges)	29	0	29	2	0	2
Bucharest Stock Exchange	1	1	2	0	0	0
Budapest Stock Exchange	1	0	1	1	0	1
Bulgarian Stock Exchange	5	0	5	1	0	1
CEESEG - Vienna	1	65	66	0	0	0
Cyprus Stock Exchange	0	0	0	0	0	0
Deutsche Börse	17	2	19	12	1	13
Euronext	22	6	28	14	3	17
Irish Stock Exchange	3	0	3	2	0	2
Luxembourg Stock Exchange	1	3	4	1	2	3
NASDAQ Nordics & Baltics	51	4	55	47	2	49
Oslo Børs	15	8	23	6	2	8
SIX Swiss Exchange	8	0	8	6	0	6
Warsaw Stock Exchange	18	1	19	8	1	9
Zagreb Stock Exchange	2	0	2	0	0	0
TOTAL	175	90	265	101	11	112

Table 3c: Investment Flows

Exchange	Investment flows channelled through the Exchange (EUROm)											
	New Companies (IPOs)			New Companies (Non-IPO)			Already listed companies			Newly Issued Shares Total	Already Issued Shares Total	Grand Total
	Newly Issued Shares	Already Issued Shares	New Companies (IPOs) Total	Newly Issued Shares	Already Issued Shares	New Companies (Non-IPO) Total	Newly Issued Shares	Already Issued Shares	Already Listed Companies Total			
Athens Exchange	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/d	n/d	n/d
BME (Spanish Exchanges)	0.00	0.00	0.00	273.15	0.00	273.15	1 471.36	0.00	1 471.36	1 744.51	0.00	1 744.51
Budapest Stock Exchange	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/d	n/d	n/d
Bulgarian Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	14.08	0.00	14.08	14.08	0.00	14.08
CEESEEG - Vienna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cyprus Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deutsche Börse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euronext	12.30	0.00	12.30	0.00	0.00	0.00	1 803.00	20.00	1 823.00	1 815.30	20.00	1 835.30
Irish Stock Exchange	0.00	0.00	0.00	0.00	50.29	50.29	1.05	0.00	1.05	1.05	50.29	51.34
Luxembourg Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NASDAQ Nordics & Baltics	75.66	23.43	99.09	0.00	0.00	0.00	n/a	n/a	n/d	75.66	23.43	99.09
Oslo Børs	n/a	n/a	n/d	n/a	n/a	n/d	820.40	n/a	820.40	820.40	n/d	820.40
Warsaw Stock Exchange	0.00	0.00	0.00	0.50	0.00	0.50	123.13	0.00	123.13	123.63	0.00	123.63
TOTAL	87.96	23.43	111.39	273.65	50.29	323.94	4 233.02	20.00	4 253.02	4 594.63	93.72	4 688.35

Table 3d: Investment Flows, Year to Date

Exchange	Investment flows channelled through the Exchange (EUROm)											Grand Total
	New Companies (IPOs)			New Companies (Non-IPO)			Already listed companies			Newly Issued Shares Total	Already Issued Shares Total	
	Newly Issued Shares	Already Issued Shares	New Companies (IPOs) Total	Newly Issued Shares	Already Issued Shares	New Companies (Non-IPO) Total	Newly Issued Shares	Already Issued Shares	Already Listed Companies Total			
Athens Exchange	4.16	0.00	4.16	0.00	0.00	0.00	312.01	0.00	312.01	316.17	0.00	316.17
BME (Spanish Exchanges)	9.29	645.65	654.94	3 235.42	0.00	3 235.42	10 303.97	0.00	10 303.97	13 548.68	645.65	14 194.33
Budapest Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulgarian Stock Exchange	20.81	20.81	41.61	0.00	0.00	0.00	67.50	0.00	67.50	88.31	20.81	109.11
CEESEG - Vienna	0.00	0.00	0.00	0.00	0.00	0.00	97.03	0.00	97.03	97.03	0.00	97.03
Cyprus Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deutsche Börse	1 359.55	8 733.00	10 092.55	150.50	221.54	372.04	0.00	0.00	0.00	1 510.05	8 954.54	10 464.59
Euronext	3 282.95	0.00	3 282.95	0.00	0.00	0.00	47 336.00	6 647.00	53 984.00	50 618.95	6 647.00	57 266.95
Irish Stock Exchange	96.79	0.00	96.79	0.00	50.29	50.29	1 035.77	0.00	1 035.77	1 132.56	50.29	1 182.85
Luxembourg Stock Exchange	603.06	147.00	750.06	1 054.00	0.00	1 054.00	410.40	417.00	504.40	2 067.46	564.00	2 308.46
NASDAQ Nordics & Baltics	1 390.09	1 258.39	2 644.48	0.00	0.00	0.00	0.00	0.00	0.00	1 390.09	1 258.39	2 644.48
Oslo Børs	798.60	466.20	1 265.96	0.00	0.00	0.00	3 674.10	0.00	3 674.10	4 472.70	466.20	4 940.06
Warsaw Stock Exchange	27.85	45.05	72.90	5.91	0.97	6.90	1 131.03	0.00	1 131.03	1 164.79	46.02	1 210.83
TOTAL	7 593.15	11 316.10	18 906.40	4 445.83	272.80	4 718.65	64 367.81	7 064.00	71 109.81	76 406.79	18 652.90	94 734.86

Table 4a: Domestic Equity Trading

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions				Trading Days	Dark Pool Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
		Trades	Turnover (EUR m)	% Change MoM in EURO	% Turnover velocity		Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	22	443 192	707.5	-16.8	24.2	0.0	n/a	n/a	n/d	128	320.3	80.5	0	0.0	0.0
BME (Spanish Exchanges)	22	3 618 318	38 837.6	-24.3	70.1	0.0	n/a	n/a	n/d	9 010	1 654.7	-24.4	n/a	n/a	n/d
Boerse Stuttgart	22	98 018	791.5	-23.4	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	21	33 561	147.0	5.8	8.4	0.0	n/a	n/a	n/d	34	38.0	-33.3	347	84.3	56.4
Budapest Stock Exchange	20	169 135	1 074.5	49.0	52.3	0.0	n/a	n/a	n/d	7	2.4	50.0	27	286.0	-17.3
Bulgarian Stock Exchange	22	4 829	15.1	17.3	1.4	0.0	n/a	n/a	n/d	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Vienna	21	457 260	3 084.2	-4.8	31.8	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	22	1 281	2.1	-59.5	0.8	0.0	n/a	n/a	n/d	5	0.4	-95.4	20	0.1	-72.7
Deutsche Börse	22	10 308 162	113 228.7	-18.4	82.0	0.0	0	0.0	0.0	20 628	1 450.1	-19.4	215 169	6 291.0	0.6
Euronext	22	19 728 174	150 759.0	-19.6	51.8	0.0	n/a	n/a	n/d	10 952	1 910.0	-4.0	0	0.0	0.0
Irish Stock Exchange	22	311 327	2 634.9	5.1	30.2	0.0	n/a	n/a	n/d	6 579	1 622.3	-19.5	n/a	n/a	n/d
Luxembourg Stock Exchange	22	448	2.8	-38.2	0.1	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	22	12 805 894	57 629.1	-18.0	56.8	22.0	18 498	173.3	-27.7	4 938	4 002.5	-4.0	56 336	746.8	-23.6
Oslo Børs	22	2 302 956	9 411.8	-19.9	43.2	22.0	1 569	6.4	-38.9	1 227	683.9	-33.1	n/a	n/a	n/d
SIX Swiss Exchange	22	4 837 556	67 774.0	-16.6	60.7	22.0	73 871	1 454.0	-41.3	151	325.0	-26.1	1 545	3 063.2	4.5
Warsaw Stock Exchange	20	1 693 830	4 153.0	7.6	36.1	0.0	n/a	n/a	n/d	130	54.5	25.5	n/a	n/a	n/d
TOTAL		56 813 941	450 252.7				93 938	1 633.8		53 789	12 064.1		273 444	10 471.4	

Table 4a2: Domestic Equity Trading - Electronic Order Book Transactions

All Market Segments, Turnover in EURO millions (single counted)

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	4 823	9.4	16 808	226.2	547	1.3	432 053	735.8	3 209	1.6
BME (Spanish Exchanges)	107 599	329.7	203 453	9 436.1	n/a	n/a	3 304 239	29 063.3	3 027	8.6
Bucharest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Budapest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bulgarian Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CEESEEG - Vienna	9 495	32.4	41 044	1 253.5	6 175	11.7	398 950	1 780.4	1 596	6.4
Cyprus Stock Exchange	79	0.1	18	0.0	n/a	n/a	1 189	1.9	n/a	n/a
Deutsche Börse	73 217	1 009.0	280 253	30 252.1	652 960	5 619.3	9 296 615	76 292.4	5 118	55.8
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Irish Stock Exchange	4 283	12.1	31 479	1 368.5	n/a	n/a	275 550	1 254.3	15	0.0
Luxembourg Stock Exchange	75	0.1	3	0.1	0	0.0	370	2.6	0	0.0
NASDAQ Nordics & Baltics	197 826	451.9	522 176	14 755.2	4 799	2.9	5 065 010	11 571.0	7 016 083	30 848.6
Oslo Børs	34 521	107.9	100 039	2 487.1	671	4.2	2 167 725	6 812.5	n/a	n/a
SIX Swiss Exchange	64 296	1 060.0	306 830	19 340.0	1 589	8.0	4 464 841	47 366.0	1 589	8.0
Warsaw Stock Exchange	30 410	21.5	52 716	628.2	n/a	n/a	1 610 704	3 503.2	n/a	n/a
Zagreb Stock Exchange	227	0.4	185	2.2	341	0.8	7 043	16.6	164	0.1
TOTAL	526 851	3 034.4	1 555 004	79 749.3	667 082	5 648.2	27 024 289	178 400.1	7 030 801	30 929.1

Table 4b: Foreign Equity Trading

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions				Trading Days	Dark Pool Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
		Trades	Turnover (EUR m)	% Change MoM in EURO	% Turnover velocity		Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	22	9 801	25.9	-27.0	n/d	0.0	n/a	n/a	n/d	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	22	52 895	245.2	-18.1	n/d	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Boerse Stuttgart	22	28 053	360.4	-24.1	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	21	349	0.7	75.0	n/d	0.0	n/a	n/a	n/d	0	0.0	0.0	n/a	n/a	n/d
Budapest Stock Exchange	20	n/a	n/a	n/d	n/d	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Bulgarian Stock Exchange	22	n/a	n/a	n/d	n/d	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
CEESEG - Vienna	21	14 973	58.7	-23.0	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	22	n/a	n/a	n/d	n/d	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Deutsche Börse	22	1 489 658	14 103.6	-6.7	n/d	0.0	0	0.0	0.0	47 410	1 097.4	-22.3	606 550	20 186.0	-6.4
Euronext	22	4 298	9.0	0.0	n/d	0.0	n/a	n/a	n/d	285	9.0	80.0	0	0.0	0.0
Irish Stock Exchange	22	2 179	4.2	34.4	n/d	0.0	n/a	n/a	n/d	263	3.4	251.5	n/a	n/a	n/d
Luxembourg Stock Exchange	22	51	0.1	-75.0	n/d	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	22	655 222	2 681.3	-12.9	n/d	0.0	1 196	12.3	-40.0	169	131.0	-21.4	832	16.9	30.0
Oslo Børs	22	543 721	1 567.9	-4.0	n/d	0.0	951	2.8	61.1	354	117.3	-72.6	n/a	n/a	n/d
SIX Swiss Exchange	22	184 291	1 109.3	-18.6	n/d	0.0	1 887	24.5	-91.3	4	5.3	-25.4	418	3 636.2	1.3
Warsaw Stock Exchange	20	18 035	24.2	110.3	n/d	0.0	n/a	n/a	n/d	4	2.0	n/d	n/a	n/a	n/d
TOTAL		3 003 526	20 190.5				4 034	39.6		48 489	1 365.4		607 800	23 839.1	

Table 4b2: Foreign Equity Trading - Electronic Order Book Transactions

All Market Segments, Turnover in EURO millions (single counted)

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	47	0.1	382	2.0	36	0.4	9 267	23.4	69	0.0
BME (Spanish Exchanges)	1 054	4.4	1 509	9.8	n/a	n/a	50 245	230.9	87	0.1
Bucharest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Budapest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Bulgarian Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CEESEEG - Vienna	269	0.7	466	1.3	119	0.6	13 898	55.1	221	1.0
Cyprus Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Deutsche Börse	10 914	101.2	19 149	2 304.6	738 304	4 961.3	720 231	6 729.6	1 061	6.8
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Irish Stock Exchange	29	0.1	23	0.0	n/a	n/a	2 123	4.0	4	0.0
Luxembourg Stock Exchange	44	0.0	0	0.0	5	0.0	1	0.0	1	0.0
NASDAQ Nordics & Baltics	8 791	14.8	17 782	339.1	92	0.0	378 777	969.0	249 780	1 358.7
Oslo Børs	7 858	14.0	19 804	216.2	166	0.5	515 893	1 337.2	n/a	n/a
SIX Swiss Exchange	2 340	18.0	5 781	144.0	1 063	11.0	175 107	936.0	1 063	11.0
Warsaw Stock Exchange	205	0.1	445	2.7	n/a	n/a	17 385	21.4	n/a	n/a
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	31 551	153.4	65 341	3 019.8	739 785	4 973.9	1 882 927	10 306.6	252 286	1 377.6

Table 4c: Value of Equity Trading, Year to Date

Main and Parallel Markets, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions				Trading Days	Dark Pool Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
		Trades	Turnover (EUR m)	% Change MoM in EURO	% Turnover velocity		Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	231	4 664 240	10 177.5	1.2	348.8	0	0	0.0	0.0	1 633	2 351.4	-98.4	31	28.0	-9.7
BME (Spanish Exchanges)	235	40 945 632	512 632.0	-0.2	925.6	0	0	0.0	0.0	97 395	33 377.1	-6.7	0	0.0	0.0
Boerse Stuttgart	234	1 554 322	15 245.0	35.1	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	230	472 087	1 729.3	0.1	98.5	0	0	0.0	0.0	319	261.6	-95.4	4 317	764.4	2.0
Budapest Stock Exchange	227	1 556 863	8 063.3	5.9	392.8	0	0	0.0	0.0	123	57.2	4.4	373	1 525.0	18.2
Bulgarian Stock Exchange	229	44 432	141.8	11.9	13.0	0	0	0.0	0.0	0	0.0	0.0	8	1.6	0.0
CEESEG - Vienna	230	5 132 621	32 496.0	4.2	334.8	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	228	22 804	46.1	-4.6	18.7	0	0	0.0	0.0	115	46.0	-3.8	483	5.9	-2.2
Deutsche Börse	239	124 205 344	1 434 944.1	10.2	1 039.0	0	0	0.0	0.0	741 669	31 169.0	-99.8	8 584 191	269 170.6	-95.5
Euronext	236	207 456 864	1 732 859.0	1.3	595.4	0	0	0.0	0.0	159 119	37 332.0	-51.6	683	819.5	-96.8
Irish Stock Exchange	234	3 434 476	26 334.3	2.1	301.3	0	0	0.0	0.0	62 880	20 109.4	-31.0	0	0.0	0.0
Luxembourg Stock Exchange	236	7 124	73.8	1.5	1.8	0	0	0.0	0.0	//	//	-100.0	0	0.0	0.0
NASDAQ Nordics & Baltics	235	142 495 808	671 920.1	5.6	661.9	214	155 045	1 513.0	-87.3	70 088	46 856.4	-99.2	830 478	9 811.4	-76.0
Oslo Børs	232	29 300 924	116 321.2	18.6	533.7	232	15 361	62.6	-98.0	16 317	11 448.5	-99.8	21	1.0	-51.9
SIX Swiss Exchange	232	53 205 652	753 100.5	3.4	674.9	87	592 625	17 675.5	-65.4	1 804	4 987.1	-99.7	37 091	99 425.6	84.7
Warsaw Stock Exchange	230	17 325 308	44 837.3	0.9	390.1	0	0	0.0	0.0	1 732	2 580.1	-97.3	0	0.0	0.0
TOTAL		631 824 501	5 360 921.2				763 031	19 251.1		1 153 194	190 575.7		9 457 676	381 553.1	

Table 4c2: Value of Equity Trading, Electronic Order Book, Year to Date

Main and Parallel Markets, Turnover in EURO millions (single counted)

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	56 363	77.1	185 915	1 479.8	7 822	57.2	3 781 367	38 466.0	1 825	0.4
BME (Spanish Exchanges)	1 012 661	4 966.6	2 382 221	114 346.5	0	0.0	36 979 404	43 035.3	2 488	6.8
Bucharest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	0	0.0	0	0.0	0	0.0	1 131 856	0.0	0	0.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CEESEEG - Vienna	121 779	390.6	456 081	10 933.5	85 137	409.0	4 287 427	30 990.1	2 742	11.5
Cyprus Stock Exchange	1 192	1.8	210	0.6	0	0.0	23 175	0.0	0	0.0
Deutsche Börse	1 011 742	14 743.5	3 197 913	362 821.0	17 135 696	126 642.8	96 212 976	91 785.6	11 835	88.0
Euronext	1 732 048	12 469.0	4 322 341	226 858.0	79 488	322.0	91 455 688	69.0	0	0.0
Irish Stock Exchange	52 065	161.5	344 445	11 708.2	0	0.0	3 029 009	77.2	50	0.1
Luxembourg Stock Exchange	1 274	2.0	37	0.1	19	0.7	5 707	11.3	62	6.9
NASDAQ Nordics & Baltics	2 052 776	23 843.0	5 160 585	154 399.9	54 923	40.0	58 272 572	55 691 656.0	1 876 737	11 247.8
Oslo Børs	445 922	1 384.4	1 209 079	26 772.7	27 680	436.5	22 732 892	13 188.9	0	0.0
SIX Swiss Exchange	772 536	17 402.0	3 362 909	196 337.7	14 545	124.0	47 313 592	41 301.0	9 657	131.7
Warsaw Stock Exchange	315 214	226.6	565 762	6 599.2	0	0.0	16 359 962	128.2	0	0.0
Zagreb Stock Exchange	2 553	4.2	1 881	9.2	8 685	12.9	72 433	1 136.0	2	0.0
TOTAL	7 578 125	75 672.3	21 189 379	1 112 266.3	17 413 995	128 045.1	381 658 060	55 951 844.5	1 905 399	11 493.2

Table 4d: Domestic Equity Trading, Year to Date

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions				Trading Days	Dark Pool Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
		Trades	Turnover (EUR m)	% Change MoM in EURO	% Turnover velocity		Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	231	4 523 929	9 808.5	-2.5	6.8	0	0	0.0	0.0	1 624	2 348.4	1.7	31	28.0	-9.7
BME (Spanish Exchanges)	235	40 376 632	509 194.6	-0.8	18.2	0	0	0.0	0.0	97 395	33 377.1	-6.7	0	0.0	0.0
Boerse Stuttgart	234	1 220 684	11 120.8	-1.4	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	230	466 663	1 721.1	-0.4	1.9	0	0	0.0	0.0	313	260.7	3.2	4 317	764.4	2.0
Budapest Stock Exchange	227	1 556 863	8 063.3	5.9	7.6	0	0	0.0	0.0	123	57.2	4.4	373	1 525.0	18.2
Bulgarian Stock Exchange	229	44 432	141.8	11.9	0.3	0	0	0.0	0.0	0	0.0	0.0	8	1.6	0.0
CEESEG - Vienna	230	4 968 093	31 775.2	1.9	6.7	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	228	22 804	46.1	-4.6	0.4	0	0	0.0	0.0	115	46.0	-3.8	483	5.9	-2.2
Deutsche Börse	239	108 027 072	1 320 068.0	1.4	19.3	0	0	0.0	0.0	228 956	19 020.7	1.9	2 660 143	68 944.4	7.0
Euronext	236	207 421 120	1 732 732.0	1.3	12.0	0	0	0.0	0.0	158 039	37 215.0	-10.0	683	819.5	-96.8
Irish Stock Exchange	234	3 425 305	26 303.4	2.0	6.2	0	0	0.0	0.0	61 610	20 063.8	0.4	0	0.0	0.0
Luxembourg Stock Exchange	236	6 583	65.7	-9.7	0.0	0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	235	136 350 288	645 330.1	1.4	12.8	214	144 481	1 403.0	4.1	68 200	45 072.8	-3.3	798 931	9 513.2	1.1
Oslo Børs	232	24 126 960	100 933.1	2.9	9.5	232	12 265	51.1	7.3	12 978	9 450.0	0.9	20	1.0	-7.4
SIX Swiss Exchange	232	51 371 188	737 659.5	1.3	13.3	87	555 547	14 719.6	5.6	1 708	4 809.6	0.1	31 570	46 296.8	-4.2
Warsaw Stock Exchange	230	17 234 464	44 701.2	0.5	7.6	0	0	0.0	0.0	1 708	2 531.5	-26.1	0	0.0	0.0
TOTAL		601 143 080	5 179 664.2				712 293	16 173.7		632 769	174 252.8		3 496 559	127 899.9	

Table 4d2: Domestic Equity Trading, Electronic Order Book, Year to Date

All Market Segments, Turnover in EURO millions (single counted)

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	55 473	55 473.0	180 334	1 451.3	7 350	47.0	3 781 039	516 226.9	38 138	1 366.4
BME (Spanish Exchanges)	998 257	998 257.0	2 362 271	114 151.3	0	0.0	36 976 232	389 959.4	39 872	189.4
Bucharest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	0	0.0	0	0.0	0	0.0	1 131 856	5 152.5	0	0.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CEESEEG - Vienna	117 897	117 897.0	450 242	10 918.5	82 889	401.5	4 286 751	19 925.9	30 314	135.3
Cyprus Stock Exchange	1 192	1 192.0	210	0.6	0	0.0	23 175	51.3	0	0.0
Deutsche Börse	885 143	885 143.0	3 025 972	353 376.0	7 900 636	67 476.9	96 167 704	884 851.4	46 523	521.2
Euronext	1 729 232	1 729 232.0	4 320 491	226 853.0	79 475	322.0	91 455 608	560 221.0	0	0.0
Irish Stock Exchange	51 941	51 941.0	344 338	11 708.0	0	0.0	3 028 979	14 434.2	47	0.2
Luxembourg Stock Exchange	828	828.0	37	0.1	0	0.0	5 707	63.4	11	0.2
NASDAQ Nordics & Baltics	1 982 476	1 982 476.0	5 021 831	151 226.7	53 907	38.6	58 261 664	170 935.4	55 680 748	304 786.4
Oslo Børs	366 996	366 996.0	1 017 636	24 770.2	22 621	396.9	22 719 704	74 532.8	0	0.0
SIX Swiss Exchange	746 828	746 828.0	3 294 983	194 025.8	10 076	70.0	47 300 836	526 179.2	28 542	292.6
Warsaw Stock Exchange	312 885	312 885.0	561 742	6 592.0	0	0.0	16 359 836	37 883.4	0	0.0
Zagreb Stock Exchange	2 553	2 553.0	1 881	9.2	8 685	12.9	72 433	166.7	1 136	1.6
TOTAL	7 251 701	7 251 701.0	20 581 968	1 095 082.8	8 165 639	68 765.8	381 571 524	3 200 583.6	55 865 331	307 293.2

Table 4e: Foreign Equity Trading, Year to Date

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions				Dark Pool Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
		Trades	Turnover (EUR m)	% Change MoM in EURO	% Turnover velocity	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	231	140 311	369.0	-96	n/d	0	0.0	0	9	3.0	-100	0	0.0	-100
BME (Spanish Exchanges)	235	568 997	3 437.5	-99	n/d	0	0.0	0	0	0.0	-100	0	0.0	0
Boerse Stuttgart	234	333 638	4 124.2	-63	n/d	//	//	0	//	//	0	//	//	0
Bucharest Stock Exchange	230	5 424	8.2	-100	n/d	0	0.0	0	6	0.9	-100	0	0.0	-100
Budapest Stock Exchange	227	0	0.0	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	-100
Bulgarian Stock Exchange	229	0	0.0	-100	n/d	0	0.0	0	0	0.0	0	0	0.0	-100
CEESEG - Vienna	230	164 528	720.8	-98	n/d	//	//	0	//	//	0	//	//	0
Cyprus Stock Exchange	228	0	0.0	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	-100
Deutsche Börse	239	16 178 274	114 876.2	-91	n/d	0	0.0	0	512 713	12 148.3	-35	5 924 048	200 226.2	211
Euronext	236	35 728	127.0	-100	n/d	0	0.0	0	1 080	117.0	-100	0	0.0	-100
Irish Stock Exchange	234	9 171	30.9	-100	n/d	0	0.0	0	1 270	45.6	-100	0	0.0	0
Luxembourg Stock Exchange	236	541	8.1	-89	n/d	0	0.0	0	//	//	0	0	0.0	0
NASDAQ Nordics & Baltics	235	6 145 546	26 589.9	-96	n/d	10 564	110.0	-92	1 888	1 783.6	-96	31 547	298.2	-97
Oslo Børs	232	5 173 960	15 388.1	-84	n/d	3 096	11.5	-76	3 339	1 998.5	-79	1	0.0	-100
SIX Swiss Exchange	232	1 834 465	15 441.0	-98	n/d	37 078	2 955.9	-79	96	177.5	-96	5 521	53 128.8	10
Warsaw Stock Exchange	230	90 841	136.2	-100	n/d	0	0.0	0	24	48.5	-99	0	0.0	0
TOTAL		30 681 424	181 257.0			50 738	3 077.5		520 425	16 322.8		5 961 117	253 653.2	

Table 4e2: Foreign Equity Trading, Electronic Order Book Transactions, Year to Date

All Market Segments, Turnover in EURO millions (single counted)

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	890	890.0	5 581	28.5	472	10.2	328	327.9	459	0.4
BME (Spanish Exchanges)	14 404	14 404.0	19 950	195.2	0	0.0	3 163	3 163.3	2 299	6.8
Bucharest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CEESEG - Vienna	3 882	3 882.0	5 839	15.0	2 248	7.5	676	676.1	2 607	11.5
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Deutsche Börse	126 599	126 599.0	171 941	9 445.0	9 235 061	59 165.9	45 263	45 262.6	11 314	88.0
Euronext	2 816	2 816.0	1 850	5.0	13	0.0	69	69.0	0	0.0
Irish Stock Exchange	124	124.0	107	0.2	0	0.0	30	30.2	50	0.1
Luxembourg Stock Exchange	446	446.0	0	0.0	19	0.7	0	0.3	62	6.9
NASDAQ Nordics & Baltics	70 300	70 300.0	138 754	3 173.2	1 016	1.4	10 908	10 908.1	1 571 951	11 247.8
Oslo Børs	78 926	78 926.0	191 443	2 002.4	5 059	39.6	13 189	13 188.9	0	0.0
SIX Swiss Exchange	25 708	25 708.0	67 926	2 311.8	4 469	54.0	12 759	12 759.0	9 364	131.7
Warsaw Stock Exchange	2 329	2 329.0	4 020	7.1	0	0.0	128	128.2	0	0.0
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	326 424	326 424.0	607 411	17 183.5	9 248 357	59 279.3	86 514	86 513.6	1 598 106	11 493.2

Table 5: Top 5 Most Traded Shares

Percent of Electronic Order Book Turnover

Company Name	% Turnover	Company Name	% Turnover	Company Name	% Turnover
Athens Exchange		Euronext Brussels		NASDAQ Nordic - Riga	
DIAGNOSTIC&THERAPEUTIC CENTER OF ATHENS YGEIA (CR)	19.25	AB INBEV	30.24	OLAINFARM	41.90
EUROBANK ERGASIAS S.A. (CR)	16.06	KBC	10.41	GRINDEKS	39.54
NATIONAL BANK OF GREECE S.A. (CR)	11.31	UMICORE	9.02	SAF TEHNIKA	9.18
MOTOR OIL (HELLAS) REFINERIES SA (CR)	9.00	SOLVAY	6.78	HANSAMATRIX	3.81
HELLENIC TELECOM. ORGANISATION (CR)	7.05	AGEAS	6.19	LATVIJAS GAZE	2.34
BME (Spanish Exchanges)		Euronext Lisbon		NASDAQ Nordic - Stockholm	
INDITEX	13.22	GALP ENERGIA-NOM	32.62	NORDEA BANK ABP	5.08
TELEFÓNICA	9.54	EDP	18.28	ATLAS COPCO AB	4.18
B.SANTANDER	9.25	B.COM.PORTUGUES	11.93	HENNES & MAURITZ AB. H & M	4.11
CAIXABANK	7.45	J.MARTINS.SGPS	11.56	ERICSSON. TELEFONAB. L M	3.94
BBVA	7.34	THE NAVIGATOR COMP	4.41	VOLVO. AB	3.92
Bucharest Stock Exchange		Euronext Paris		NASDAQ Nordic - Tallinn	
BANCA TRANSILVANIA S.A.	26.45	TOTAL	7.83	TALLINK GRUPP	30.72
OMV PETROM S.A.	17.29	SANOFI	4.30	AS TALLINNA SADAM	17.18
S.N.T.G.N. TRANSGAZ S.A.	10.94	LVMH	4.24	MERKO EHITUS AS	8.89
S.N.G.N. ROMGAZ S.A.	9.40	BNP PARIBAS ACT.A	4.11	SILVANO FASHION GROUP AS	7.57
BRD - GROUPE SOCIETE GENERALE S.A.	6.35	AXA	3.18	TALLINNA KAUBAMAJA GRUPP AS	7.26
Budapest Stock Exchange		Irish Stock Exchange		NASDAQ Nordic - Vilnius	
OTP	57.70	KINGSPAN GROUP PLC	27.26	SIAULIU BANKAS AB	59.43
MOL	15.39	CRH PLC	20.89	NOVATURAS AB	8.69
RICHTER	12.12	KERRY GROUP PLC	9.62	TELIA LIETUVA. AB	7.10
4IG	4.51	SMURFIT KAPPA GROUP PLC	7.96	GRIGEO AB	4.78
MTELEKOM	3.74	RYANAIR HOLDINGS PLC	7.61	APRANGA APB	3.74
Bulgarian Stock Exchange		Luxembourg Stock Exchange		Oslo Børs	
EUROHOLD BULGARIA AD-SOFIA	16.12	LUXEMPART	12.34	EQUINOR	15.56
ATOMENERGOREMONT AD-KOZLODUY	9.16	SOCFINCAOUTCHCS	9.17	MARINE HARVEST	5.89
CHIMIMPORT AD-SOFIA	6.93	SOCFINASIA	6.47	TELENOR	5.61
SYNTHETICA AD-SOFIA	6.85	SOCFINAF	4.41	AKER BP	5.40
235 HOLDINGS AD-SOFIA	6.77	FOTEXHOLDING	3.43	SUBSEA 7	5.40
CEESEG - Vienna		NASDAQ Nordic - Copenhagen		SIX Swiss Exchange	
VERBUND AG KAT. A	18.40	NOVO NORDISK A/S	14.36	NESTLE N	10.99
ERSTE GROUP BANK AG	17.14	VESTAS WIND SYSTEMS A/S	9.09	NOVARTIS N	10.07
OMV AG	12.93	DANSKE BANK A/S	7.03	ROCHE GS	9.63
VOESTALPINE AG	12.22	A.P. M?LLER - M?RSK A/S	6.01	UBS GROUP N	5.28
RAIFFEISEN BANK INTERNAT. AG	8.49	?RSTED A/S	4.91	RICHEMONT N	4.55
Cyprus Stock Exchange		NASDAQ Nordic - Helsinki		Warsaw Stock Exchange	
BANK OF CYPRUS HOLDINGS PLC	58.17	NOKIA OYJ	16.06	PKOBP	11.62
LOGICOM PUBLIC LTD	12.65	SAMPO OYJ	9.75	PKNORLEN	10.66
THE CYPRUS CEMENT PUBLIC COMPANY LTD	9.03	UPM-KYMMENE OYJ	8.58	PEKAO	8.85
SALAMIS TOURS (HOLDINGS) PUBLIC LTD	6.54	STORA ENSO OYJ	6.62	PZU	7.83
DEMETRA INVESTMENT PUBLIC LTD	4.11	FORTUM OYJ	6.17	CDPROJEKT	6.48
Deutsche Börse		NASDAQ Nordic - Iceland		Zagreb Stock Exchange	
SAP SE O.N.	4.05	ICELANDAIR GROUP HF.	18.58	VALAMAR RIVIERA D.D.	28.94
ALLIANZ SE NA O.N.	3.94	MAREL HF.	12.41	ADRIS GRUPA D.D.	17.17
BAYER AG NA O.N.	3.85	FESTI HF.	11.91	HT D.D.	7.21
SIEMENS AG NA	3.80	REITIR FASTEIGNAF?LAG HF.	9.55	PODRAVKA D.D.	6.60
VOLKSWAGEN AG VZO O.N.	3.73	S?MINN HF.	7.52	ATLANTIC GRUPA D.D.	6.51

Table 6a: Specialised Markets/Segments in Equity

Market Capitalization and Turnover (single counted) in EURO millions

Exchange	New Market	Market/Segment	Regulated Market/MTF	Type	Listed Comp. EoM	Market Capit. EoM	Electronic Order Book Transactions			Off - Electronic Order Book Transactions			Reporting Transactions		
							Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	Alternative Market (EN.A)	Market	MTF	No specific	12	105.2	400	0.1	30.0	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansión	Market	MTF	SMEs	103	13 414.1	4 328	11.9	-54.7	n/a	n/a	n/d	n/a	n/a	n/d
Budapest Stock Exchange	BETa	BETa Market			26	723 200.6	1 037	0.6	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	18	3 184.2	13 576	56.4	-22.8	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	37	964.9	19	0.1	-93.8	//	//	0.0	2	0.0	-100.0
Deutsche Börse	Scale	Segment	Rm	SMEs	51	6 643.5	31 644	123.8	-10.5	1 151	10.0	-26.5	n/a	n/a	n/d
Euronext	Euronext Growth	Market	MTF	SMEs	202	10 587.0	255 362	316.0	-13.2	0	0.0	0.0	0	0.0	0.0
Irish Stock Exchange	ESM				24	5 307.8	6 780	14.5	-31.4	556	55.6	9.4	n/a	n/a	n/d
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	126	1 541.4	29	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	First North Alternative Market	Market	MTF	SMEs	315	15 129.3	463 464	631.3	-1.6	216	75.6	-23.0	85	1.7	88.9
Oslo Børs	Oslo Axess	Market	RM	SMEs	17	610.6	11 973	15.8	-51.6	15	2.3	-13.1	n/a	n/a	n/d
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	387	1 683.1	73 608	40.2	-40.9	14	0.8	159.4	n/a	n/a	n/d
TOTAL					1 318	782 371.7	448	1 210.7		801	144.3		87	1.7	

Table 6a2: Specialised Markets/Segments in Equity, Electronic Order Book

Market Capitalization and Turnover (single counted) in EURO millions

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	5	n/a	n/a	n/a	n/a	n/a	426	0.5	2	0.0
BME (Spanish Exchanges)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Budapest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CEESEG - Vienna	244	0.9	210	0.9	70	0.6	12 777	53.0	275	1.2
Cyprus Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	19	0.1	n/a	n/a
Deutsche Börse	815	2.2	1 544	5.3	1 516	5.0	27 271	108.9	501	2.4
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Irish Stock Exchange	91	0.0	848	2.4	n/a	n/a	5 835	12.0	6	0.0
Luxembourg Stock Exchange	22	0.0	0	0.0	5	0.0	1	0.0	1	0.0
NASDAQ Nordics & Baltics	13 911	8.6	8 299	29.2	131	0.1	427 507	574.2	13 616	19.2
Oslo Børs	486	0.3	474	0.6	164	0.1	10 849	14.8	n/a	n/a
Warsaw Stock Exchange	3 012	0.9	2 902	1.0	n/a	n/a	67 694	38.4	n/a	n/a
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	18 586	13.0	14 277	39.3	1 886	5.8	552 379	801.9	14 401	22.8

Table 6b: Specialised Markets/Segments in Equity, Year to Date

Market Capitalization and Turnover (single counted) in EURO millions

Exchange	New Market	Market/Segment	Regulated Market/MTF	Type	Electronic Order Book Transactions			Off- Electronic Order Book Transactions			Reporting Transactions		
					Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	Alternative Market (EN.A)	Market	MTF	No specific	3 010	1.8	-3.8	0	0.0	0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansi3n	Market	MTF	SMEs	58 876	197.0	6.4	0	0.0	0	0	0.0	0.0
Budapest Stock Exchange	BETa	BETa Market			8 777	7.4	-7.5	0	0.0	0	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	131 651	637.0	-3.6	//	//	//	//	//	//
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	358	1.9	2.1	//	//	//	7	0.1	0.0
Deutsche B3rse	Scale	Segment	Rm	SMEs	375 422	1 495.2	-1.9	12 114	127.6	3	0	0.0	0.0
Euronext	Euronext Growth	Market	MTF	SMEs	2 602 034	4 028.0	-1.4	117	31.0	-38	0	0.0	-100.0
Irish Stock Exchange	ESM				78 479	237.2	1.2	5 494	790.4	1	0	0.0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	355	8.1	-1.2	//	//	//	0	0.0	0.0
NASDAQ Nordics & Baltics	First North Alternative Market	Market	MTF	SMEs	4 941 269	6 040.6	1.2	1 939	905.1	1	1 045	14.6	6.6
Oslo B3rs	Oslo Axess	Market	RM	SMEs	176 070	366.2	-8.8	411	110.3	-1	0	0.0	0.0
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	712 460	350.1	7.1	167	18.3	-6	0	0.0	0.0
TOTAL					9 088 761	13 370.5		20 242	1 982.7		1 052	14.7	

Table 6b2: Specialised Markets/Segments in Equity, Electronic Order Book, Year to Date

Market Capitalization and Turnover (single counted) in EURO millions

New Market	Electronic Order Book Transactions									
	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	85	0.0	0	0.0	0	0.0	3 730	7.0	5	0.0
BME (Spanish Exchanges)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	0	0.0	0	0.0	0	0.0	6 726	7.2	0	0.0
CEESEEG - Vienna	2 671	9.2	2 837	7.7	1 567	7.1	126 141	611.3	2 810	12.6
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	358	2.4	13	0.0
Deutsche Börse	11 208	35.8	17 772	63.9	29 113	108.7	356 390	1 429.5	5 461	23.9
Euronext	73 188	84.0	35 394	78.0	19 209	41.0	1 205 337	2 098.0	0	0.0
Irish Stock Exchange	1 141	1.4	10 077	36.4	0	0.0	67 241	199.3	20	0.0
Luxembourg Stock Exchange	227	0.0	0	0.0	17	0.7	38	0.0	73	7.1
NASDAQ Nordics & Baltics	125 712	95.6	63 179	150.4	1 462	1.2	3 729 619	5 715.6	45 714	73.4
Oslo Børs	5 676	6.4	5 779	20.0	2 328	2.8	162 566	339.5	0	0.0
Warsaw Stock Exchange	38 018	11.4	35 305	12.8	0	0.0	639 137	325.9	0	0.0
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	257 936	243.8	170 354	369.2	55 680	163.5	6 297 731	10 736.5	54 101	117.1

Table 6c: Specialised Markets/Segments in Bonds and Money Market Instruments

Exchange	New Market	Market/Segment	Regulated Market/MTF	Type	Listed Comp. EoM	Market Capit. EoM	Electronic Order Book Transactions			Off - Electronic Order Book Transactions			Reported Transactions		
							Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO	Trades	Turnover (EUR m)	% Change MoM in EURO
Athens Exchange	Alternative Market (EN.A)	Market	MTF	No specific	2	16.4	31	0.3	-34.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	1 790	n/a	620	11.9	14.9	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BOND S	/MTF		29	92.5	0	0.0	-100.0	//	//	0.0	//	//	0.0
Deutsche Börse	Scale	Segment	RM	SME	10	n/a	217	2.2	-4.3	5	0.0	-100.0	n/a	n/a	n/d
Irish Stock Exchange	GEM	Market	MTF		16 843	n/a	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	0	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Warsaw Stock Exchange	Catalyst				333	6 867.6	5 167	18.2	3.9	2	0.8	-21.4	n/a	n/a	n/d
TOTAL					19 007	6 976.5	6 035	32.7		7	0.8		0	0.0	

Table 6d: Specialised Markets/Segments in Bonds and Money Market Instruments, Year To Date

Exchange	New Market	Market/Segment	Regulated Market/MTF	Type	Electronic Order Book Transactions		Off- Electronic Order Book Transactions		Reported Transactions	
					Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)
Athens Exchange	Alternative Market (EN.A)	Market	MTF	No specific	758	5.2	0	0.0	0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	6 027	125.4	//	//	//	//
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BONDS	/MTF		18	0.7	//	//	//	//
Deutsche Börse	Scale	Segment	RM	SME	2 615	30.3	103	2.7	0	0.0
Irish Stock Exchange	GEM	Market	MTF		0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	0	0.0	//	//	0	0.0
Warsaw Stock Exchange	Catalyst				42 619	203.0	54	22.7	0	0.0
TOTAL					52 037	364.6	157	25.4	0	0.0

Table 7a: Securitised Derivatives

Turnover in EURO millions (single counted)

Exchange	Securitised Derivatives		Electronic Order Book Transactions		% Change MoM in EURO	Off - Electronic Order Book Transactions		% Change MoM in EURO	Reported Transactions		% Change MoM in EURO
	Newly Listed EoM	Listed EoM	Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)	
Athens Exchange	0	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	114	3 211	n/a	45.6	-26.3	n/a	n/a	n/d			n/d
Boerse Stuttgart	n/a	1 827 524	393 487	2 797.1	-24.7	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	5	146	5 113	4.2	-41.7	0	0.0	0.0			n/d
Budapest Stock Exchange	19	140	19 696	26.6	-21.1	//	//	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	1	//	//	0.0	//	//	n/d	0	0.0	0.0
CEESEG - Vienna	1 058	6 472	2 300	27.9	-20.7	//	//	n/d			n/d
Deutsche Börse	n/a	2 095 494	227 258	1 200.1	-22.4	182 441	1 678.2	-17.5	553,448	222,359.0	158.8
Euronext	22 234	85 088	301 991	918.0	-10.9	0	0.0	0.0			n/d
Luxembourg Stock Exchange	0	0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	1 370	7 687	193 917	420.2	-7.9	n/a	n/a	n/d	20	1.7	232.0
Oslo Børs	19	37	17 406	61.3	-34.1	n/a	n/a	n/d			n/d
SIX Swiss Exchange	3 396	38 228	46 178	734.8	-26.4	770	80.7	25.3	948	825.8	734.1
Warsaw Stock Exchange	173	1 152	12 173	22.2	0.6	0	0.0	0.0			n/d
TOTAL	28 388	4 065 180	1 219 519	2 261.0		770	81.0		554 416	223 186.5	

Table 7b: Securitised Derivatives, Year to Date

Turnover in EURO millions (single counted)

Exchange	Securitised Derivatives Newly Listed EoM	Electronic Order Book Transactions		Off - Electronic Order Book Transactions		Reported Transactions	
		Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)
Athens Exchange	0	0	0.0	0	0.0	0	0.0
BME (Spanish Exchanges)	4 659	0	398.9	0	0.0	0	0.0
Boerse Stuttgart	65 535	3 998 772	33,412.2	0	0.0	0	0.0
Bucharest Stock Exchange	91	68 488	65.8	0	0.0	0	0.0
Budapest Stock Exchange	157	186 686	269.4	//	//	0	0.0
Bulgarian Stock Exchange	0	//	//	//	//	0	0.0
CEESEG - Vienna	5 614	23 806	313.0	//	//	0	0.0
Deutsche Börse	0	2 484 541	14,477.9	1 933 860	18 410.8	5,639,206	690,827.4
Euronext	198 043	3 078 424	9,885.0	0	0.0	0	0.0
Luxembourg Stock Exchange	0	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	11 919	1 610 135	4,392.2	293	33.2	250	5.8
Oslo Børs	65	161 357	719.4	6	0.1	3	0.1
SIX Swiss Exchange	36 160	556 511	9,403.1	14 507	1 289.3	12,077	2,200.9
Warsaw Stock Exchange	485	94 279	185.0	0	0.0	0	0.0
TOTAL	322 728	12 262 999	73 521.9	299	33.0	5 651 536	693 034.2

Table 8a: ETFs

Turnover in EURO millions (single counted)

Exchange	ETFs		Electronic Order Book Transactions		% Change MoM in EURO	Off - Electronic Order Book Transactions		% Change MoM in EURO	Reported Transactions		% Change MoM in EURO
	Newly Listed in the Month	Listed at End of Month	Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)	
Athens Exchange	0	1	60	2.2	551.5	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	0	6	n/a	234.8	8.4	n/a	n/a	n/d			n/d
Boerse Stuttgart	n/a	1 585	20 472	739.0	-24.0	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	1	127	0.0	-20.0	0	0.0	0.0			n/d
Budapest Stock Exchange	0	1	51	0.2	100.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	11	52	0.1	25.0	n/a	n/a	n/d	0	0.0	0.0
CEESEEG - Vienna	0	97	98	0.7	-61.8	//	//	n/d			n/d
Deutsche Börse	25	1 335	413 958	11 233.8	-28.4	11 166	230.8	-34.2	114,078	10,047.0	-16.2
Euronext	4	816	176 563	5 018.0	-27.8	89	206.0	-12.7			n/d
Irish Stock Exchange	1	321	3	0.0	-70.0	1	0.0	-66.7			n/d
Luxembourg Stock Exchange	2	99	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	n/a	39	42 645	565.2	-32.2	115	170.4	-29.0	5	0.4	-72.5
Oslo Børs	n/a	4	17 596	210.8	-28.2	//	//	629.2	4	6.8	n/d
SIX Swiss Exchange	34	1 338	81 383	3 644.8	-27.5	70	67.0	-64.6	480	5,410.1	179.5
Warsaw Stock Exchange	0	3	1 139	3.9	24.3	0	0.0	0.0			n/d
TOTAL	66	5 657	754 147	21 653.5		11 457	681.9		114 567	15 464.3	

Table 8b: ETFs, Year to Date

Turnover in EURO millions (single counted)

Exchange	ETFs Newly Listed in the Month	Electronic Order Book Transactions		Off - Electronic Order Book Transactions		Reported Transactions	
		Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)
Athens Exchange	0	504	12.5	0	0.0	0	0.0
BME (Spanish Exchanges)	0	0	2 844.2	0	0.0	0	0.0
Boerse Stuttgart	0	248 051	9 066.4	0	0.0	0	0.0
Bucharest Stock Exchange	0	1 370	0.5	0	0.0	0	0.0
Budapest Stock Exchange	0	557	2.3	0	0.0	0	0.0
Bulgarian Stock Exchange	10	829	1.0	0	0.0	0	0.0
CEESEG - Vienna	50	1 772	23.2	//	//	0	0.0
Deutsche Börse	220	4 757 025	148 185.0	135 733	3 392.3	916,458	75,220.1
Euronext	50	2 182 639	63 108.0	406	1 487.0	0	0.0
Irish Stock Exchange	79	134	1.5	30	0.8	0	0.0
Luxembourg Stock Exchange	7	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	2	422 173	7 001.4	1 054	1 479.3	66	6.0
Oslo Børs	0	152 820	1 994.5	//	//	6	7.1
SIX Swiss Exchange	268	980 800	49 464.9	3 149	16 685.6	5,742	27,734.5
Warsaw Stock Exchange	0	14 546	33.1	0	0.0	0	0.0
TOTAL	686	8 763 220	281 738.6	140 448	23 062.4	922 272	102 967.7

Table 9a: UCITS

Turnover in EURO millions (single counted)

Exchange	UCITs		Market Cap. EoM EURO m	Electronic Order Book Transactions		% Change MoM in EURO	Off - Electronic Order Book Transactions		% Change MoM in EURO	Reported Transactions		% Change MoM in EURO
	Newly Listed in the month	Listed at EoM		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)	
Athens Exchange	0	3	913.3	13 224	42.0	329.0	11	15.5	2 619.3	0	0.0	0.0
BME (Spanish Exchanges)	2	2 746	29 125.0	//	//	n/d	//	//	n/d			n/d
Boerse Stuttgart	n/a	1 709	n/a	4 763	111.9	-19.6	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	2	8.3	111	0.0	-50.0	0	0.0	0.0			n/d
Budapest Stock Exchange	1	78	590.8	613	1.5	-21.1	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	3	1.6	8	0.0	0.0	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Vienna	0	1	n/a	0	0.0	0.0	//	//	n/d			n/d
Cyprus Stock Exchange	0	0	113.9	135	0.1	-26.3	0	0.0	0.0	3	0.0	n/d
Deutsche Börse	11	2 892	n/a	6 999	74.7	-27.0	2 280	44.3	-42.4			n/d
Irish Stock Exchange	57	4 841	n/a	n/a	n/a	n/d	//	//	n/d			n/d
Luxembourg Stock Exchange	12	3 971	n/a	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	1	460	62 394.4	49 968	789.7	-7.0	13 101	644.4	-18.9	2,869	189.9	-24.3
SIX Swiss Exchange	0	38	n/a	32 909	499.6	-11.0	17	16.4	-58.8	73	37.1	69.4
Warsaw Stock Exchange	0	34	435.5	546	1.3	31.7	0	0.0	0.0			n/d
TOTAL	84	16 778	93 582.9	109 276	1 520.9		15 409	720.6		2 945	227.0	

Table 9b: UCITs, Year to Date

Turnover in EURO millions (single counted)

Exchange	UCITs Newly Listed in the month	Electronic Order Book Transactions		Off - Electronic Order Book Transactions		Reported Transactions	
		Trades	Turnover	Trades	Turnover	Trades	Turnover (EUR m)
Athens Exchange	0	57 165	124.5	43	83.7	0	0.0
BME (Spanish Exchanges)	7	//	//	//	//	0	0.0
Boerse Stuttgart	0	60 742	1 405.2	0	0.0	0	0.0
Bucharest Stock Exchange	0	799	1.1	2	0.1	0	0.0
Budapest Stock Exchange	8	7 558	16.3	0	0.0	0	0.0
Bulgarian Stock Exchange	0	37	0.3	0	0.0	0	0.0
CEESEG - Vienna	0	0	0.0	//	//	0	0.0
Cyprus Stock Exchange	0	1 553	7.3	23	0.4	3	0.0
Deutsche Börse	97	89 931	987.0	26 639	755.7	0	0.0
Irish Stock Exchange	570	0	0.0	//	//	0	0.0
Luxembourg Stock Exchange	320	6	0.8	//	//	0	0.0
NASDAQ Nordics & Baltics	27	576 391	8 070.7	210 610	8 648.0	35,599	1,175.9
SIX Swiss Exchange	1	253 102	4 496.2	495	325.6	525	329.7
Warsaw Stock Exchange	2	6 839	16.0	0	0.0	0	0.0
TOTAL	1 032	1 054 123	15 125.5	237 812	9 813.5	36 127	1 505.6

Table 10a: Total Bond and Money Market Instruments Trading

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions		% Change MoM in EURO	Off - Electronic Order Book Transactions		% Change MoM in EURO	Reported Transactions		% Change MoM in EURO
		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)	
Athens Exchange	22	968	15.1	-0.3	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	22	3 244	17 953.0	-14.3	35 960	650 142.0	-27.7			n/d
Boerse Stuttgart	22	16 401	907.6	-6.2	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	21	57	0.2	-66.7	0	0.0	0.0			n/d
Budapest Stock Exchange	20	0	0.0	-100.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	22	54	11.8	162.2	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Vienna	21	1 357	29.4	22.2	//	//	n/d			n/d
Cyprus Stock Exchange	22	2	0.0	n/d	0	0.0	0.0	0	0.0	0.0
Deutsche Börse	22	22 319	405.5	6.0	3 797	332.6	61.1	104,116	10,254,125.9	119.4
Euronext	22	5 226	93.0	-5.1	0	0.0	0.0			n/d
Irish Stock Exchange	22	//	//	n/d	4 913	19 538.3	-29.8			n/d
Luxembourg Stock Exchange	22	214	3.9	-13.3	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	22	6 393	9 626.4	490.0	1 386	13 871.4	-0.8	22,905	47,814.0	3.4
SIX Swiss Exchange	22	26 854	1 716.6	27.4	7 811	9 217.5	0.0	3,438	4,351.8	-9.0
Warsaw Stock Exchange	20	8 153	39.6	-1.0	2	0.8	-28.9			n/d
TOTAL		91 242	30 802.2		53 869	693 102.6		130 459	10 306 291.7	

Table 10b: Total Bond and Money Market Instruments Trading, Year To Date

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Trading Days	Electronic Order Book Transactions		Off - Electronic Order Book Transactions		Reported Transactions	
		Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)
Athens Exchange	231	7 207	140.6	20	7.3	0	0.0
BME (Spanish Exchanges)	235	43 354	181 647.0	343 850	5 005 383.0	0	0.0
Boerse Stuttgart	234	189 531	10 567.2	0	0.0	0	0.0
Bucharest Stock Exchange	230	642	3.4	19	26.3	0	0.0
Budapest Stock Exchange	227	415	189.3	0	0.0	0	0.0
Bulgarian Stock Exchange	229	303	47.0	0	0.0	0	0.0
CEESEG - Vienna	230	12 625	278.4	0	0.0	0	0.0
Cyprus Stock Exchange	228	141	1.1	3	38.0	8	4.9
Deutsche Börse	239	247 524	4 467.9	29 695	3 156.6	930,949	36 590 416.0
Euronext	236	142 855	2 878.0	0	0.0	0	0.0
Irish Stock Exchange	234	0	0.0	49 054	175 440.2	0	0.0
Luxembourg Stock Exchange	236	3 666	90.9	0	0.0	0	0.0
NASDAQ Nordics & Baltics	236	64 812	50 527.3	46 373	170 853.6	243,089	451 214.2
SIX Swiss Exchange	232	263 883	14 419.4	53 347	66 038.1	45,824	56 318.1
Warsaw Stock Exchange	230	81 647	478.2	97	92.9	0	0.0
	3 487	1 058 605	265 735.6	522 458	5 421 036.0	1 219 870	37 097 953.2

Table 10c: Total Bond Trading by bond types

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Sovereign Bonds		% Change MoM in EURO	Other Public Bonds		% Change MoM in EURO	Convertible Bonds		% Change MoM in EURO	Covered Bonds		% Change MoM in EURO	Corporate Bonds		% Change MoM in EURO	Other Bonds and Money Market Instruments		% Change MoM in EURO
	Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)		Trades	Turnover (EUR m)	
Athens Exchange	42	2.6	229.5	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	926	13.0	-7.1	0	0.0	0.0
BME (Spanish Exchanges)	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Bucharest Stock Exchange	7	0.4	483.3	0	0.0	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Budapest Stock Exchange	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	1	0.0	0.0	0	0.0	-100.0	0	0.0	n/d
Bulgarian Stock Exchange	2	1.1	-71.8	0	0.0	0.0	14	1.5	7 500.0	13	0.5	194.1	25	8.8	1 554.7	n/a	n/a	n/d
CEESEG - Vienna	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Cyprus Stock Exchange	2	0.0	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Euronext	25 518	370.0	-3.4	0	0.0	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Irish Stock Exchange	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	0	0.0	0.0
Luxembourg Stock Exchange	14	0.5	0.0	22	0.2	0.0	0	0.0	0.0	3	0.1	n/d	158	2.9	-9.4	17	0.3	-57.1
NASDAQ Nordics & Baltics	590	4 025.0	-14.4	11	50.5	n/d	88	0.2	23.5	23 616	65 955.3	17.6	395	124.4	-19.9	5 984	1 156.4	23.0
SIX Swiss Exchange	2 232	1 632.3	-25.6	388	273.9	11.0	1 359	615.6	4.1	1 729	1 370.3	-31.6	27 206	6 923.6	30.0	1 751	118.4	-40.1
Warsaw Stock Exchange	507	9.1	-29.8	7	0.0	-44.4	0	0.0	0.0	3	0.8	-34.4	7 273	30.1	13.4	365	0.3	10.7
Zagreb Stock Exchange	16	11.8	247.1	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	5	0.0	-100.0	0	0.0	0.0
TOTAL	28 930	6 052.7		428	324.6		1 461	617.3		25 365	67 327.0		35 988	7 102.8		8 117	1 275.4	

Table 10d: Total Bond Trading by bond types, Year To Date

All Market Segments, Turnover in EURO millions (single counted)

Exchange	Sovereign Bonds		Other Public Bonds		Convertible Bonds		Covered Bonds		Corporate Bonds		Other Bonds and Money Market Instruments	
	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)	Trades	Turnover (EUR m)
Athens Exchange	82	3.9	0	0.0	2	0.0	0	0.0	7 070	142.6	0	0.0
BME (Spanish Exchanges)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bucharest Stock Exchange	9	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	0	0.0	0	0.0	0	0.0	415	188.8	18	1.8	0	0.0
Bulgarian Stock Exchange	16	24.8	0	0.0	47	2.3	150	4.1	90	15.7	0	0.0
CEESEEG - Vienna	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cyprus Stock Exchange	22	34.2	0	0.0	0	0.0	0	0.0	122	4.7	0	0.0
Euronext	207 490	3 322.0	1	0.0	0	0.0	0	0.0	0	0.0	49 835	941.0
Irish Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	348	5.9	239	2.9	0	0.0	36	1.3	1 664	45.6	1 379	35.2
NASDAQ Nordics & Baltics	8 482	54 233.0	128	2 130.4	647	2.2	257 137	555 207.0	3 020	794.5	61 588	8 470.0
SIX Swiss Exchange	26 014	24 313.2	4 278	3 396.0	19 017	8 202.9	16 402	14 987.8	252 961	57 397.1	20 901	1 959.3
Warsaw Stock Exchange	5 525	136.0	59	2.2	0	0.0	19	5.8	72 103	422.2	4 038	4.9
Zagreb Stock Exchange	177	83.7	0	0.0	0	0.0	0	0.0	78	3.7	0	0.0
TOTAL	248 165	82 157.1	4 705	5 531.5	19 713	8 207.4	274 159	570 394.9	337 126	58 827.8	137 741	11 410.4

Table 11a: Listed Bonds and Money Market Instruments

All Market Segments, Money Raised in EURO millions

Exchange	Sovereign Bonds	Other Public Bonds	Convertible Bonds	Covered Bonds	Corporate Bonds	Other Bonds and Money Market Instruments	Total Bonds	New listings in the Month	Money Raised (EURO m) in the Month	New listings YTD	Money Raised (EURO m) YTD
Athens Exchange	31	0	1	0	11	3	46	0	0	7	3 242.0
BME (Spanish Exchanges)	n/a	n/a	n/a	n/a	n/a	n/a	3 100	n/a	28 650	0	291 994.0
Boerse Stuttgart	n/a	n/a	n/a	n/a	n/a	n/a	25 997	n/a	n/a	0	0.0
Bucharest Stock Exchange	20	37	3	7	n/a	n/a	9	n/a	n/a	0	0.0
Budapest Stock Exchange	23	0	0	42	29	8	102	2	266	39	3 309.4
Bulgarian Stock Exchange	19	0	3	18	42	0	82	1	60	13	712.9
CEESEG - Vienna	n/a	n/a	n/a	n/a	n/a	n/a	3 608	43	3 783	671	121 372.5
Cyprus Stock Exchange	23	n/a	n/a	2	31	n/a	56	1	152	27	6 694.9
Deutsche Börse	1 983	1 239	61	2 002	25 232	0	30 517	238	n/a	2 977	290 937.6
Euronext	612	n/a	n/a	n/a	n/a	4 934	5 546	105	n/a	1 002	0.0
Irish Stock Exchange	37	n/a	59	272	2 945	30 643	33 956	933	863	12 093	15 438.0
Luxembourg Stock Exchange	765	1 614	0	1 107	4 914	23 622	32 022	921	573 365	10 162	1 479 959.4
NASDAQ Nordics & Baltics	165	236	7	1 930	1 055	4 455	7 848	129	1 687	1 189	46 331.3
Oslo Børs	12	248	4	135	414	20	n/a	24	2 735	217	36 063.0
SIX Swiss Exchange	715	170	62	253	1 641	867	3 708	31	3 781	250	57 953.9
Warsaw Stock Exchange	48	77	0	55	373	29	582	6	n/a	107	0.0
Zagreb Stock Exchange	15	0	0	0	10	0	25	0	n/a	4	0.0
TOTAL	4 468	3 621	200	5 823	36 697	64 581.0	147 204.0	2 434.0	615 341.6	28 758.0	2 354 009.0

Table 11b: Listed Bonds, Year to Date

All Market Segments, Money Raised in EURO millions

Exchange	New listed in the Month	Money Raised (EURO m)
Athens Exchange	7	3 242.0
BME (Spanish Exchanges)	0	291 994.0
Boerse Stuttgart	0	0.0
Bucharest Stock Exchange	0	0.0
Budapest Stock Exchange	39	3 309.4
Bulgarian Stock Exchange	13	712.9
CEESEEG - Vienna	671	121 372.5
Cyprus Stock Exchange	27	6 694.9
Deutsche Börse	2 977	290 937.6
Euronext	1 002	0.0
Irish Stock Exchange	12 093	15 438.0
Luxembourg Stock Exchange	10 162	1 479 959.4
NASDAQ Nordics & Baltics	1 189	46 331.3
Oslo Børs	217	36 063.0
SIX Swiss Exchange	250	57 953.9
Warsaw Stock Exchange	107	0.0
Zagreb Stock Exchange	4	0.0
TOTAL	28 758	2 354 009.0

Table 12: Exchange Rates

National Currencies Movements against the EURO

Exchange	Currency	EURO 1 = Month End	% Change MoM
Bucharest Stock Exchange	Romanian Lei	4.6560	-0.23
Budapest Stock Exchange	Hungarian forint	323.5500	-0.35
Bulgarian Stock Exchange	Bulgarian lev	1.9558	0.00
NASDAQ Nordic - Copenhagen	Danish krone	7.4624	0.01
NASDAQ Nordic - Iceland	Icelandic krona	142.2925	3.34
NASDAQ Nordic - Stockholm	Swedish krona	10.3431	-0.58
NASDAQ Nordic - Vilnius	Lithuanian litas	3.4569	0.00
Oslo Børs	Norwegian krone	9.7400	1.96
SIX Swiss Exchange	Swiss franc	1.1387	-0.26
Warsaw Stock Exchange	Polish zloty	4.2904	-0.94
Zagreb Stock Exchange	Croatian Kuna	7.4160	-0.13

Table 13a: Stock/Index Options and Futures Turnover

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Stock Options			Single Stock Futures			Stock Index Options			Stock Index Futures		
			Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest
Derivatives Market	Greece	22	1 103	0.1	1 540	979 896	72.7	492 565	4 322	14.2	1 903	36 942	121.8	3 731
Spanish Exchanges (BME)	Spain	22	1 485 789	1 431.0	9 462 784	129 667	100.0	1 375 980	411 382	3 756.0	1 321 856	635 717	47 160.0	143 758
Budapest Stock Exchange	Hungary	20	0	0.0	0	17 356	80.6	8 485	0	0.0	0	34 079	40.6	20 199
EUREX	Germany/Switzerland	22	15 915 066	61 594.1	66 687 936	10 524 860	39 227.0	9 592 565	34 381 986	1 173 841.0	50 411 361	35 940 429	1 634 043.7	10 765 646
Euronext		22	6 063 797	20 287.0	18 498 091	43 937	254.0	335 960	1 696 831	1 696 831.0	87 248	1 111 558	3 350 040.0	208 870
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	1 852 583	2 134.4	4 695 124	492 871	618.2	694 334	615 591	8 967.3	758 716	3 637 557	52 353.6	606 830
Oslo Børs	Norway	22	290 796	347.1	446 859	48 190	48.7	68 357	83 724	692.6	85 147	245 023	2 055.0	40 633
Warsaw Stock Exchange	Poland	20	n/a	n/a	n/a	124 559	203.4	25 541	32 979	172.4	24 124	343 946	3 549.9	53 644
TOTAL			25 609 134	85 793.8	99 792 334	12 361 336	40 604.6	12 593 787	37 226 815	2 884 274.4	52 690 355	41 985 251	5 089 364.6	11 843 311

Table 13b: Stock/Index Options and Futures Turnover, Year to Date

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Stock Options		Single Stock Futures		Stock Index Options		Stock Index Futures	
			Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)
Derivatives Market	Greece	231	10 924	3.3	11 596 647	1 488.7	77 935	313.0	694 061	2 432.9
Spanish Exchanges (BME)	Spain	235	17 353 252	13 231.0	8 801 303	4 802.0	3 533 720	33 837.0	7 303 780	579 563.0
Budapest Stock Exchange	Hungary	227	0	0.0	146 070	913.6	0	0.0	350 442	445.8
EUREX	Germany/Switzerland	239	176 275 136	728 243.6	158 204 480	500 305.2	383 907 008	13 073 689.0	453 022 432	19 979 684.0
Euronext		236	68 864 528	232 879.0	641 775	2 489.0	17 303 304	2 536 549.0	33 966 784	5 498 223.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	235	19 868 012	25 061.9	3 352 829	4 892.5	6 246 272	95 355.3	38 836 016	573 836.2
Oslo Børs	Norway	233	1 768 547	2 610.5	555 257	492.3	810 925	39 925.7	2 243 874	16 967.7
Warsaw Stock Exchange	Poland	230	n/a	n/a	1 185 852	1 948.6	273 671	1 480.2	4 057 812	43 433.3
TOTAL			284 140 399	1 002 029.3	184 484 213	517 331.9	412 152 835	15 781 149.3	540 475 201	26 694 586.0

Table 14a: Bond Options and Futures Turnover

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Interest Rate Options			Interest Rate Futures		
			Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest
EUREX	Germany/Switzerland	22	6 628 992	905 331.4	2 777 915	43 385 759	6 080 666.6	7 186 219
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	846 875	81 878.3	n/a	1 283 332	124 076.2	2 090 726
Warsaw Stock Exchange	Poland	20	n/a	n/a	0	0	0.0	101
TOTAL			7 475 867	987 209.7	2 777 915	44 669 091.0	6 204 743	9 277 046.0

Table 14b: Bond Options and Futures Turnover, Year to Date

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Interest Rate Options		Interest Rate Futures	
			Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)
EUREX	Germany/Switzerland	239	73 375 128	10 439 582.0	507 835 584	71 036 192.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	235	8 772 800	854 682.6	14 492 482	1 415 175.0
Warsaw Stock Exchange	Poland	230	n/a	n/a	0	202.0
TOTAL			82 147 928	11 294 264.6	522 328 066	72 451 569.0

Table 15a: Commodities Derivatives Turnover

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Commodities Options			Commodities Futures			Other contracts		
			Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest
Budapest Stock Exchange		20	0	0.0	0	0	0.0	0	0	0.0	0.0
Deutsche Börse		22	212 125	1 680.5	1 469 056	406 020	21 322.8	1 056 565	1 150	40.5	1 353.0
Euronext		22	49 551	555.0	191 809	1 118 999	12 475.0	461 916			
TOTAL			261 676	2 235.5	1 660 865	1 525 019	33 797.8	1 518 481	1 150	40.5	1 353

Table 15b: Commodities Derivatives Turnover, Year to Date

Notional Turnover in EURO millions

Derivative Exchange	Country	Trading Days	Commodities Options		Commodities Futures		Other contracts	
			Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)
Budapest Stock Exchange		227	0	0.0	2	0.0	0	0.0
Deutsche Börse		239	2 297 935	21 546.1	3 515 194	160 203.9	45 670	1 292.5
Euronext		236	1 108 813	11 753.0	12 754 483	137 801.0		
TOTAL			3 406 748	33 299.1	16 269 679	298 004.9	45 670	1 292.5

Table 16: Trading Participants

Exchange	N° of Trading Participants in the month			N° of Trading Participants		
	Equity	Bonds	Derivatives	Equity	Bonds	Derivatives
Athens Exchange	0	0	0	48	48	31
BME (Spanish Exchanges)	0	n/a	0	45	n/a	55
Bucharest Stock Exchange	0	0	0	29	29	0
Budapest Stock Exchange	n/a	n/a	n/a	19	15	13
Bulgarian Stock Exchange	0	0	0	50	50	0
CEESEEG - Vienna	0	0	n/a	80	80	0
Cyprus Stock Exchange	n/a	n/a	n/a	16	4	n/a
Deutsche Börse	8	10	0	220	141	585
Euronext	n/a	n/a	n/a	n/a	n/a	n/a
Irish Stock Exchange	0	0	n/a	22	16	n/a
Luxembourg Stock Exchange	0	0	0	28	28	0
NASDAQ Nordics & Baltics	n/a	n/a	1	118	84	86
Oslo Børs	n/a	n/a	n/a	50	17	15
SIX Swiss Exchange	n/a	n/a	n/a	107	107	107
Warsaw Stock Exchange	0	0	0	50	50	31

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