

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	558.30	-22.5	-39.1	779.67	4	469.55	17	949.20	469.55
BME (Spanish Exchanges) Barcelona	Barcelona: Bcn Global 100 Index	495.33	-24.0	-31.7	672.94	3	425.52	16	755.39	425.52
BME (Spanish Exchanges) Bilbao	Bilbao: Indice Bolsa de Bilbao 2000	1 062.54	-21.5	-28.5	1 396.79	3	901.87	16	1 561.57	901.87
BME (Spanish Exchanges) Madrid	Madrid: IGBM Index Indice General	671.46	-22.8	-29.4	897.41	3	580.39	16	1 003.49	580.39
BME (Spanish Exchanges) Valencia	Valencia: IGBV Index	895.72	-21.9	-29.2	1 185.57	3	754.93	16	1 327.40	754.93
Bucharest Stock Exchange	BETPlus (BUCHAREST EXCHANGE TRADING PLUS INDEX)	1 141.37	-16.3	-23.4	1 460.08	4	1 054.46	23	1 526.67	1 054.46
CEESEG - Prague	PX-GLOB	1 100.21	-16.7	-26.6	1 366.64	3	969.62	18	1 531.48	969.62
CEESEG - Vienna	Wiener Börse Index	845.69	-24.0	-33.3	1 127.50	3	703.36	18	1 281.65	703.36
Cyprus Stock Exchange	CSE General Index(Main and Parallel Market Index)	48.62	-24.3	-25.3	64.90	4	47.11	23	67.96	47.11
Deutsche Börse	CDAX - Price	429.84	-16.7	-25.3	525.96	4	363.83	18	595.91	363.83
Euronext Amsterdam	AAX All Share Index	662.36	-14.9	-23.6	803.76	4	574.88	18	904.31	574.88
Euronext Brussels	BAS Price	8 507.60	-18.8	-31.2	10 870.29	4	7 202.21	18	12 568.02	7 202.21
Euronext Dublin	ISEQ Overall	4 784.67	-25.2	-33.4	6 538.60	4	4 366.53	18	7 314.94	4 366.53
Euronext Oslo	OSEBXHR	308.67	-14.9	n/d	375.25	3	277.59	23	414.94	277.59
Euronext Paris	SBF 250 Price Index	3 195.67	-22.6	-30.6	4 240.77	4	2 888.89	18	4 732.14	2 888.89
Luxembourg Stock Exchange	LUX General Price Index	403.23	-28.3	-37.7	553.22	4	350.97	19	666.19	350.97
NASDAQ Nordic - Copenhagen	OMX Copenhagen (OMXC)	853.84	-6.6	-9.7	961.43	4	748.56	23	1 035.01	748.56
NASDAQ Nordic - Helsinki	OMX Helsinki (OMXH)	7 859.79	-16.8	-20.4	9 650.39	4	6 833.00	18	10 738.23	6 833.00
NASDAQ Nordic - Iceland	OMX Iceland All-Share PI (OMXIPi)	1 290.05	-7.1	-14.9	1 392.80	3	1 181.87	23	1 584.76	1 181.87
NASDAQ Nordic - Stockholm	OMX Stockholm (OMXS)	555.60	-13.3	-18.4	657.52	4	478.95	23	732.67	478.95
NASDAQ Nordics & Baltics	OMX Nordic Eur PI (All-Share)	292.72	-12.5	-17.7	347.05	4	251.39	23	381.49	251.39
SIX Swiss Exchange	SMI Index	11 319.54	-4.9	-11.8	12 556.21	5	9 340.77	16	13 570.28	9 340.77
Zagreb Stock Exchange	CROBEX	1 480.51	-20.5	-26.6	1 896.76	3	1 322.07	23	2 058.46	1 322.07

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	916.51	-22.4	-38.7	1 278.96	4	770.25	17	1 557.05	770.25
BME (Spanish Exchanges) Madrid	Madrid : Indice Total	2 743.10	-22.7	-29.0	3 615.33	4	2 481.45	16	4 083.71	2 481.45
Bucharest Stock Exchange	BET-TR (BUCHAREST EXCHANGE TRADING TOTAL RETURN INDEX)	12 206.22	-16.4	-23.6	15 632.01	4	11 267.55	23	16 357.15	11 267.55
Bulgarian Stock Exchange	SOFIX Index	419.35	-23.8	-26.2	555.77	2	401.19	23	586.55	401.19
CEESEG - Prague	PX-TR	1 494.25	-19.2	-29.2	1 913.55	3	1 306.01	18	2 161.04	1 306.01
CEESEG - Vienna	Austrian ATX Total Return (ATXTR)	3 847.79	-28.2	-37.2	5 539.21	3	3 119.89	18	6 226.71	3 119.89
Deutsche Börse	CDAX - Performance	927.23	-16.7	-25.2	1 134.63	4	784.77	18	1 285.19	784.77
Euronext Amsterdam	AAX All Share Total Return	2 375.69	-14.8	-23.3	2 879.88	4	2 059.80	18	3 236.81	2 059.80
Euronext Brussels	Euronext Brussels	31 474.09	-18.6	-30.8	40 094.02	4	26 564.67	18	46 250.85	26 564.67
Euronext Dublin	ISEQ Total Return	10 700.07	-24.5	-32.8	14 491.75	4	9 739.78	18	16 208.11	9 739.78
Euronext Lisbon	PSI general	2 801.35	-14.6	-16.8	3 464.45	4	2 479.39	23	3 706.84	2 479.39
Euronext Oslo	OSEBX	707.13	-14.8	n/d	859.17	3	635.93	23	946.63	635.93
Euronext Paris	SBF 250 Total Return	7 788.60	-22.4	-30.4	10 311.27	4	7 025.79	18	11 503.93	7 025.79
Malta Stock Exchange	Malta Stock Exchange Equity Total Return Index	7 761.13	-17.8	-19.3	9 407.81	3	7 579.98	24	9 585.86	7 579.98
NASDAQ Nordic - Copenhagen	OMX Copenhagen Benchmark (OMXCB)	1 627.66	-4.5	-6.1	1 793.38	4	1 412.86	23	1 921.75	1 412.86
NASDAQ Nordic - Helsinki	OMX Helsinki Benchmark (OMXHB)	90.99	-15.1	-18.8	109.21	4	78.11	23	121.72	78.11
NASDAQ Nordic - Iceland	OMX Iceland All-Share GI (OMXIGI)	679.94	-5.0	-13.0	717.68	3	622.92	23	816.58	622.92
NASDAQ Nordic - Riga	OMX Riga (OMXR)	904.46	-10.8	-12.7	1 040.79	5	828.11	12	1 063.95	828.11
NASDAQ Nordic - Stockholm	OMX Stockholm Benchmark (OMXSB)	1 020.10	-11.2	-16.0	1 178.32	4	876.34	23	1 311.03	876.34
NASDAQ Nordic - Tallinn	OMX Tallinn (OMXT)	1 013.54	-20.0	-20.8	1 304.04	3	971.30	16	1 374.35	971.30
NASDAQ Nordic - Vilnius	OMX Vilnius (OMXV)	604.56	-12.1	-15.1	715.51	4	584.43	18	750.36	584.43
SIX Swiss Exchange	SPI Index	9 311.92	-5.3	-12.3	10 321.42	5	7 650.23	16	11 270.00	7 650.23
Warsaw Stock Exchange	WIG Total Return Index	41 624.62	-15.5	-28.0	52 562.98	3	35 588.11	16	59 298.22	35 588.11
Zagreb Stock Exchange	CROBEXtr	990.99	-20.4	-26.5	1 267.72	3	884.94	23	1 375.79	884.94

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	1 355.92	-24.8	-41.0	1 974.96	4	1 135.79	18	2 371.26	1 135.79	49.2
BME (Spanish Exchanges)	IBEX - 35	6 785.40	-22.2	-28.9	9 014.30	3	5 814.50	16	10 100.20	5 814.50	36.6
Bucharest Stock Exchange	BET Index	7 625.38	-16.4	-23.6	9 766.69	4	7 038.95	23	10 219.75	7 038.95	28.4
Budapest Stock Exchange	BUX Index	33 134.87	-17.6	-28.1	43 327.92	4	29 464.28	18	46 230.22	29 464.28	35.0
CEESEG - Prague	PX	789.88	-19.2	-29.2	1 011.53	3	690.37	18	1 142.95	690.37	60.9
CEESEG - Vienna	Austrian Traded Index (ATX)	2 001.60	-28.2	-37.2	2 881.47	3	1 622.95	18	3 239.10	1 622.95	40.4
Cyprus Stock Exchange	FTSE/CySE20	28.98	-24.9	-25.8	38.96	4	27.96	23	40.89	27.96	0.0
Deutsche Börse	DAX - Performance Index	9 935.84	-16.4	-25.0	12 127.69	4	8 441.71	18	13 789.00	11 890.35	34.8
Euronext	Euronext 100	819.98	-19.8	-28.3	1 053.73	4	733.93	18	1 182.10	733.93	31.8
Euronext Amsterdam	AEX	471.46	-12.6	-22.0	557.73	4	404.10	18	629.23	404.10	29.6
Euronext Brussels	BEL 20	2 857.05	-18.1	-27.8	3 597.98	4	2 528.77	17	4 198.31	2 528.77	33.6
Euronext Dublin	ISEQ®20 Index	823.95	-23.3	-31.1	1 098.01	4	740.40	18	n/a	n/a	32.6
Euronext Lisbon	PSI 20	3 972.71	-16.6	-23.8	4 967.93	4	3 596.08	19	5 435.85	3 596.08	27.7
Euronext Oslo	OBX	649.19	-13.2	n/d	774.88	3	585.76	16	856.87	585.76	33.7
Euronext Paris	CAC40	4 154.58	-21.8	-30.5	5 464.89	4	3 754.84	18	6 111.24	3 754.84	33.3
Luxembourg Stock Exchange	Lux X Price Index	902.13	-27.3	-34.6	1 217.12	4	808.22	19	n/a	n/a	32.0
NASDAQ Nordic - Copenhagen	OMX Copenhagen 20 (OMXC20 CAP)	1 141.07	-7.1	-9.1	1 284.55	4	1 005.12	23	1 385.66	1 005.12	24.5
NASDAQ Nordic - Helsinki	OMX Helsinki 25 (OMXH25)	3 382.46	-16.0	-19.9	4 098.51	4	2 905.76	18	4 581.49	2 905.76	30.9
NASDAQ Nordic - Iceland	OMX Iceland 10 CAP (OMXI10CAP)	1 449.71	-9.4	-16.0	1 609.73	3	1 329.72	23	1 817.76	1 329.72	26.6
NASDAQ Nordic - Stockholm	OMX Stockholm 30 (OMXS30)	1 482.43	-11.2	-16.3	1 704.20	4	1 292.27	23	1 900.28	1 292.27	30.2
NASDAQ Nordics & Baltics	OMX Nordic 40 (OMXN40)	1 464.48	-9.4	-13.7	1 677.32	4	1 261.57	23	1 829.88	1 261.57	28.9
SIX Swiss Exchange	SMI	9 311.92	-5.3	-12.3	10 321.42	5	7 650.23	16	n/a	n/a	28.2
Warsaw Stock Exchange	WIG20 Index	1 512.84	-14.5	-29.6	1 906.87	3	1 248.77	16	2 200.57	1 248.77	77.4

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	3 102.11	-9.8	-7.7	3 532.97	4	2 937.90	17	3 779.0	2 937.90
Bucharest Stock Exchange	Rasdaq Index		39 441.94	-13.5	-17.0	48 672.62	4	36 005.56	16	52 011.8	36 005.56
Cyprus Stock Exchange	ECM INDEX CSE		1 168.67	5.9	9.3	1 168.67	31	1 108.79	3	1 168.7	1 072.60
Deutsche Börse	SCALE All Share	Total Return Index	894.63	-16.2	-22.2	1 103.46	3	746.82	18	1 237.7	746.82
Euronext Oslo	Oslo Axess All-share Index (OAAX)		102.78	-6.2	n/d	117.04	3	92.93	18	154.0	92.93
NASDAQ Nordics & Baltics	First North All-Share EUR	Price Index	114.08	-9.1	-10.9	133.34	4	95.24	18	148.3	95.24
Warsaw Stock Exchange	NCIndex	Total Return Index	255.29	-6.2	7.7	299.41	5	190.19	12	324.2	190.19

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	497.56	-0.7	0.9	521.70	12	492.95	20	521.70	492.56
Euronext Oslo	Government Bond Index 5.00 (ST5X)		7 071.54	2.2	n/d	7 080.57	9	6 920.99	3	7 080.57	6 789.61

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	31 135.72	-19.7	-34.9	-34.9
BME (Spanish Exchanges)	519 082.80	-21.1	-27.0	-27.0
Bucharest Stock Exchange	17 478.10	-15.5	-25.1	-24.4
Budapest Stock Exchange	19 116.71	-23.1	-34.9	-29.3
Bulgarian Stock Exchange	13 414.00	-5.2	-6.0	-6.0
CEESEG - Prague	16 389.73	-20.2	-30.0	-24.9
CEESEG - Vienna	78 208.15	-25.2	-34.1	-34.1
Cyprus Stock Exchange	3 482.90	-10.3	-8.9	-8.9
Deutsche Börse	1 431 248.02	-15.1	-23.5	-23.5
Euronext	3 327 919.00	-16.7	-20.6	-20.6
Luxembourg Stock Exchange	25 326.84	-26.6	-35.8	-35.8
Malta Stock Exchange	3 844.38	-18.1	-18.9	-18.9
NASDAQ Nordics & Baltics	1 164 599.98	-13.6	-19.0	-19.0
SIX Swiss Exchange	1 456 711.11	-5.5	-10.3	-13.1
Warsaw Stock Exchange	93 697.12	-18.2	-30.6	-25.8
Zagreb Stock Exchange	16 713.97	-14.9	-16.6	-14.7
TOTAL	8 218 368.53			

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	174	5	179
BME (Spanish Exchanges)	1	n/a	1	n/a	n/a	n/d	2 837	27	2 864
Bucharest Stock Exchange	0	0	0	n/a	n/a	n/d	81	2	83
Budapest Stock Exchange	0	0	0	0	0	0	46	0	46
Bulgarian Stock Exchange	0	0	0	0	0	0	261	0	261
CEESEG - Prague	0	0	0	0	0	0	17	37	54
CEESEG - Vienna	0	1	1	0	0	0	68	707	775
Cyprus Stock Exchange	0	0	0	0	0	0	96	15	111
Deutsche Börse	0	1	1	0	0	0	455	50	505
Euronext	1	0	1	1	0	1	1 296	164	1 460
Luxembourg Stock Exchange	0	0	0	0	0	0	27	120	147
Malta Stock Exchange	0	n/a	0	0	n/a	0	27	n/a	27
NASDAQ Nordics & Baltics	4	n/a	4	4	n/a	4	1 035	46	1 081
SIX Swiss Exchange	n/a	n/a	n/d	n/a	n/a	n/d	219	36	255
Warsaw Stock Exchange	0	0	0	0	0	0	799	25	824
Zagreb Stock Exchange	0	0	0	0	0	0	106	0	106
TOTAL	6	2	8	5	0	5	7 544	1 234	8 778

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	0	0	0	0	0	0
BME (Spanish Exchanges)	2	0	2	0	0	0
Bucharest Stock Exchange	0	0	0	0	0	0
Budapest Stock Exchange	0	0	0	0	0	0
Bulgarian Stock Exchange	0	0	0	0	0	0
CEESEG - Prague	0	0	0	0	0	0
CEESEG - Vienna	0	1	1	0	0	0
Cyprus Stock Exchange	0	0	0	0	0	0
Deutsche Börse	0	1	1	0	0	0
Euronext	6	2	8	4	0	4
Luxembourg Stock Exchange	0	1	1	0	1	1
Malta Stock Exchange	1	0	1	1	0	1
NASDAQ Nordics & Baltics	4	0	4	4	0	4
SIX Swiss Exchange	0	0	0	0	0	0
Warsaw Stock Exchange	3	0	3	2	0	2
Zagreb Stock Exchange	0	0	0	0	0	0
TOTAL	16	5	21	11	1	12

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	0.00	0.00	0.00	0.00	0.00	0.00	3.79	0.00	3.79	3.79	0.00	3.79
BME (Spanish Exchanges)	32.80	0.00	32.80	0.00	0.00	0.00	91.39	0.00	91.39	124.19	0.00	124.19
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	18.41	0.00	18.41	18.41	0.00	18.41
CEESEG - Prague	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00	0.00	54.00
CEESEG - 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	117.00	0.00	117.00	0.00	0.00	0.00	178.00	160.00	339.00	295.00	160.00	456.00
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
Malta Stock Exchange	0.00	0.00	0.00	n/a	n/a	n/d	0.00	n/a	0.00	0.00	0.00	0.00
SIX Swiss 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
Warsaw Stock Exchange	0.00	0.00	0.00	0.00	0.00	0.00	15.97	0.00	15.97	15.97	0.00	15.97
TOTAL	149.80	0.00	149.80	0.00	0.00	0.00	307.56	160.00	522.56	457.36	160.00	672.36

Table 3d: Investment Flows, Year to Date

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	0.00	0.00	0.00	0.00	0.00	0.00	32.43	0.00	32.43	32.43	0.00	32.43
BME (Spanish Exchanges)	33.95	0.00	33.95	0.00	0.00	0.00	2 034.64	0.00	2 034.64	2 068.59	0.00	2 068.59
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	0.00	0.00	0.00	0.00	0.00	0.00	24.58	0.00	24.58	24.58	0.00	24.58
CEESEG - Prague	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.00	0.00	0.00	162.00
CEESEG - 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	257.00	0.00	257.00	0.00	0.00	0.00	10 458.00	641.00	11 100.00	10 715.00	641.00	11 357.00
Luxembourg Stock Exchange	117.00	0.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	117.00	0.00	117.00
Malta Stock Exchange	0.00	10.27	10.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.27	10.27
SIX Swiss 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
Warsaw Stock Exchange	0.28	0.00	0.28	0.37	0.00	0.37	208.43	0.00	208.43	209.08	0.00	209.08
TOTAL	408.23	10.27	418.50	0.37	0.00	0.37	12 758.08	641.00	13 562.08	13 166.68	651.27	13 980.95

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	20	978 068	1 553.3	7.4	53.3	0.0	n/a	n/a	n/d	167	167.8	-21.1	2 512	387.0	-25.4
BME (Spanish Exchanges)	22	7 421 408	52 209.6	45.5	106.4	0.0	n/a	n/a	n/d	8 428	2 159.5	47.3	n/a	n/a	n/d
Boerse Stuttgart	22	287 415	2 288.3	52.9	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	22	116 928	312.0	83.5	19.6	0.0	n/a	n/a	n/d	9	7.0	-22.2	258	39.9	9.9
Budapest Stock Exchange	22	300 700	1 394.3	56.7	76.1	0.0	n/a	n/a	n/d	2	0.2	n/d	0	0.0	-100.0
Bulgarian Stock Exchange	21	11 829	17.6	104.8	1.5	0.0	n/a	n/a	n/d	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	22	135 084	609.4	58.9	39.6	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
CEESEG - Vienna	22	914 578	5 243.7	78.4	68.8	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	20	3 932	4.8	29.7	1.6	0.0	n/a	n/a	n/d	5	0.8	100.0	29	0.4	-33.3
Deutsche Börse	22	26 286 957	219 078.1	67.3	168.7	0.0	0	0.0	0.0	49 821	3 677.0	73.4	n/a	n/a	n/d
Euronext	22	55 553 949	326 859.0	55.0	107.1	0.0	9 224	40.0	110.5	37 071	9 622.0	68.4	5	1.0	n/d
Luxembourg Stock Exchange	22	879	4.6	24.0	0.2	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	20	1 597	12.1	80.6	3.4	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
NASDAQ Nordics & Baltics	22	29 825 078	110 865.1	51.9	105.9	22.0	88 906	743.5	-31.5	6 731	4 101.0	-18.1	103 872	884.6	38.5
SIX Swiss Exchange	22	15 627 076	193 460.0	95.4	154.9	22.0	942 310	20 896.0	54.1	383	3 064.0	12.7	2 787	7 439.1	-17.6
Warsaw Stock Exchange	22	3 731 380	5 871.3	43.6	67.7	0.0	n/a	n/a	n/d	316	1 386.7	3,577.3	n/a	n/a	n/d
Zagreb Stock Exchange	22	25 754	68.7	47.4	4.5	0.0	0	0.0	0.0	23	17.7	210.5	0	0.0	0.0
TOTAL		141 222 612	919 851.8				1 040 440	21 679.5		102 956	24 203.7		109 463	8 752.0	

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

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

Electronic Order Book Transactions									
New Market	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuos Trading		Miscellaneous (Unscheduled Auctions)
	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades
Athens Exchange	15 424	25.4	22 973	173.5	940	5.0	999 054	1 656.2	20 744
BME (Spanish Exchanges)	148 157	837.9	238 615	13 075.4	n/a	n/a	7 008 196	38 179.1	26 440
Bucharest Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Budapest Stock Exchange	6 687	18.8	6 390	174.4	40	0.0	284 229	1 185.8	2 556
Bulgarian Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
CEESEG - Prague	5 095	12.4	5 822	95.8	n/a	n/a	124 167	501.2	n/a
CEESEG - Vienna	31 669	120.3	55 598	1 366.1	10 790	82.5	802 913	3 630.6	13 608
Cyprus Stock Exchange	274	0.2	37	0.0	n/a	n/a	3 629	5.3	n/a
Deutsche Börse	180 722	2 855.8	338 672	43 445.3	2 994 453	17 413.3	22 736 867	155 004.0	36 237
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a
Luxembourg Stock Exchange	82	0.3	1	0.0	0	0.0	787	4.3	10
Malta Stock Exchange	166	0.7	25	0.2	n/a	n/a	1 359	11.1	47
NASDAQ Nordics & Baltics	529 828	1 419.9	719 252	22 326.3	7 406	5.2	8 775 578	17 000.8	19 793 014
SIX Swiss Exchange	200 351	6 642.0	478 956	41 040.0	17 889	154.0	14 929 880	145 625.0	17 889
Warsaw Stock Exchange	76 323	64.8	92 242	731.7	n/a	n/a	3 562 815	5 074.8	n/a
Zagreb Stock Exchange	1 331	2.7	502	1.6	337	0.9	22 868	62.9	716
TOTAL	1 196 109	12 001.4	1 959 085	122 430.3	3 031 855	17 660.9	59 252 342	367 940.9	19 911 261

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	20	41 205	74.7	48.2	2.6	0.0	n/a	n/a	n/d	8	0.9	n/d	164	24.6	324.2
BME (Spanish Exchanges)	22	119 317	440.4	30.6	0.9	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Boerse Stuttgart	22	112 871	1 246.8	28.7	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	22	4 599	7.4	289.5	0.5	0.0	n/a	n/a	n/d	0	0.0	-100.0	n/a	n/a	n/d
Budapest 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
Bulgarian Stock Exchange	21	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 - Prague	22	47 293	171.2	97.8	11.1	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
CEESEG - Vienna	22	59 090	224.9	70.4	2.9	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Cyprus 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
Deutsche Börse	22	5 987 746	40 909.5	40.6	31.5	0.0	0	0.0	0.0	124 282	3 848.9	24.5	n/a	n/a	n/d
Euronext	22	257 392	632.0	80.6	0.2	0.0	0	0.0	n/d	148	87.0	295.5	0	0.0	0.0
Luxembourg Stock Exchange	22	54	1.5	556.5	0.1	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta 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
NASDAQ Nordics & Baltics	22	1 469 806	4 740.8	41.1	4.5	0.0	2 295	16.6	-57.4	155	70.2	-33.5	5 162	45.6	309.1
SIX Swiss Exchange	22	311 481	1 246.5	7.8	1.0	0.0	12 016	113.7	-11.4	70	146.2	64.5	497	5 353.9	84.7
Warsaw Stock Exchange	22	41 849	59.8	86.7	0.7	0.0	n/a	n/a	n/d	1	0.0	-100.0	n/a	n/a	n/d
Zagreb Stock Exchange	22	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
TOTAL		8 452 703	49 755.4				14 311	130.3		124 664	4 153.2		5 823	5 424.1	

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

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

Electronic Order Book Transactions									
New Market	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuos Trading		Miscellaneous (Unscheduled Auctions)
	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades Turnover EUROM
Athens Exchange	418	0.5	1 282	4.2	68	1.6	38 840	67.8	597 0.7
BME (Spanish Exchanges)	2 564	10.8	1 967	10.3	n/a	n/a	113 446	415.0	1 340 4.3
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
CEESEG - Prague	1 213	2.0	525	2.2	n/a	n/a	45 555	166.9	n/a n/a
CEESEG - Vienna	876	2.5	460	1.4	2	0.0	55 924	213.9	1 828 7.2
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	37 890	372.8	26 829	3 164.4	3 405 685	17 892.3	2 506 307	19 416.6	11 036 63.4
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a n/a
Luxembourg Stock Exchange	39	0.0	0	0.0	0	0.0	5	0.0	9 1.5
Malta Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a n/a
NASDAQ Nordics & Baltics	22 624	33.3	21 589	359.1	155	0.1	683 140	1 110.1	742 298 3 238.2
SIX Swiss Exchange	5 755	25.0	6 960	189.0	1 738	6.0	297 028	1 026.0	1 738 6.0
Warsaw Stock Exchange	546	0.2	1 356	6.3	n/a	n/a	39 947	53.2	n/a n/a
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
TOTAL	71 925	447.1	60 968	3 737.0	3 407 648	17 900.0	3 780 192	22 469.5	758 846 3 321.2

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	61	2 296 759	4 309.9	16.7	148.0	0	0	0.0	0.0	539	786.8	-99.1	6 570	2 246.6	-33.0
BME (Spanish Exchanges)	64	15 030 242	123 883.4	14.6	252.5	0	0	0.0	0.0	21 083	4 775.4	-12.6	0	0.0	0.0
Boerse Stuttgart	64	935 880	7 921.4	126.7	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	62	232 108	684.4	47.8	43.0	0	0	0.0	0.0	37	26.4	-99.6	706	127.4	7.3
Budapest Stock Exchange	64	582 344	3 033.7	30.0	165.6	0	0	0.0	0.0	2	0.2	n/d	25	44.6	-86.3
Bulgarian Stock Exchange	63	20 760	38.3	6.2	3.3	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Prague	64	302 842	1 541.0	80.8	100.2	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	64	1 832 282	10 851.3	46.2	142.5	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	61	9 696	12.6	22.3	4.1	0	0	0.0	0.0	17	27.5	-0.4	54	2.2	15.5
Deutsche Börse	64	60 472 880	548 171.0	68.5	422.0	0	0	0.0	0.0	393 023	16 914.7	-99.9	0	0.0	0.0
Euronext	64	106 817 656	702 401.0	39.0	230.3	0	16 610	75.0	114.3	74 126	19 737.0	-96.5	5	1.0	n/d
Luxembourg Stock Exchange	64	2 388	14.0	0.2	0.6	0	0	0.0	0.0	//	//	-100.0	0	0.0	0.0
Malta Stock Exchange	60	3 223	25.3	55.9	7.1	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	64	63 422 280	253 952.1	42.8	242.6	63	274 315	2 732.9	-79.1	18 978	15 064.0	-99.5	217 498	2 082.7	-75.4
SIX Swiss Exchange	63	28 324 660	373 918.8	54.7	299.4	63	1 835 001	44 408.9	-18.2	1 283	7 818.3	-98.7	8 103	33 810.3	61.2
Warsaw Stock Exchange	63	7 687 519	14 394.4	24.1	165.9	0	0	0.0	0.0	515	1 558.8	-98.0	0	0.0	0.0
Zagreb Stock Exchange	63	46 608	137.6	62.5	9.1	0	0	0.0	0.0	53	36.4	61.1	0	0.0	0.0
TOTAL		288 020 127	2 045 290.1				2 125 926	47 216.8		509 656	66 745.5		232 961	38 314.8	

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

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

Electronic Order Book Transactions									
New Market	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuos Trading		Miscellaneous (Unscheduled Auctions)
	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades Turnover EUROM
Athens Exchange	33 100	51.2	62 675	477.3	2 959	21.0	2 267 777	32 467.8	734 0.8
BME (Spanish Exchanges)	352 474	1 663.4	629 512	32 640.1	0	0.0	13 785 543	34 958.4	1 818 4.9
Bucharest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Budapest Stock Exchange	11 489	29.8	14 867	374.6	118	0.0	549 572	3 170.0	3 0.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
CEESEG - Prague	10 241	22.1	13 171	226.7	0	0.0	208 409	320.3	0 0.0
CEESEG - Vienna	59 347	204.6	140 042	3 264.8	23 264	108.3	1 490 334	15 279.1	2 586 10.1
Cyprus Stock Exchange	421	0.4	101	0.1	0	0.0	9 150	0.0	0 0.0
Deutsche Börse	459 310	6 350.2	928 128	106 600.4	13 064 784	82 264.4	41 523 604	83 473.9	15 391 95.2
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Luxembourg Stock Exchange	357	0.8	11	0.0	0	0.0	1 965	28.0	22 1.8
Malta Stock Exchange	327	1.5	33	0.2	0	0.0	2 798	65.0	0 0.0
NASDAQ Nordics & Baltics	1 279 545	3 171.9	1 890 478	53 474.8	21 747	17.1	19 950 688	37 313 228.0	1 579 272 7 015.4
SIX Swiss Exchange	419 581	11 492.0	1 154 452	86 144.0	24 623	214.0	26 168 406	24 713.0	2 676 10.0
Warsaw Stock Exchange	166 575	127.6	227 693	1 900.7	0	0.0	7 221 034	112.6	0 0.0
Zagreb Stock Exchange	2 158	4.4	885	2.9	619	1.8	42 029	917.0	1 0.0
TOTAL	2 794 925	23 119.8	5 062 048	285 106.7	13 138 114	82 626.6	113 221 310	37 508 733.1	1 602 502 7 138.2

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	61	2 212 993	4 138.8	12.0	3.2	0	0	0.0	0.0	526	785.8	1.8	6 226	2 205.0	-26.7
BME (Spanish Exchanges)	64	14 789 738	122 872.0	13.7	5.7	0	0	0.0	0.0	21 083	4 775.4	-12.6	0	0.0	0.0
Boerse Stuttgart	64	690 801	4 990.9	42.8	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	62	226 160	671.0	44.9	0.9	0	0	0.0	0.0	31	20.0	25.0	706	127.4	7.3
Budapest Stock Exchange	64	582 344	3 033.7	30.0	3.8	0	0	0.0	0.0	2	0.2	n/d	25	44.6	-86.3
Bulgarian Stock Exchange	63	20 760	38.3	6.2	0.1	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Prague	64	228 628	1 212.3	42.2	1.8	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	64	1 723 786	10 411.0	40.3	3.2	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	61	9 696	12.6	22.3	0.1	0	0	0.0	0.0	17	27.5	-0.4	54	2.2	15.5
Deutsche Börse	64	48 298 888	458 672.9	41.0	7.7	0	0	0.0	0.0	107 578	7 810.1	46.4	0	0.0	0.0
Euronext	64	106 275 408	700 898.0	38.7	5.1	0	16 610	75.0	114.3	73 788	19 596.0	6.4	5	1.0	n/d
Luxembourg Stock Exchange	64	2 236	12.2	-12.7	0.0	0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	60	3 223	25.3	55.9	0.2	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	64	60 337 800	243 062.5	36.7	5.0	63	263 656	2 646.1	8.1	18 501	14 707.9	2.4	210 458	2 016.2	41.5
SIX Swiss Exchange	63	27 733 500	370 764.0	53.4	6.1	63	1 809 955	44 117.0	51.0	1 117	7 533.0	41.5	6 820	22 816.7	15.9
Warsaw Stock Exchange	63	7 610 053	14 264.1	23.0	3.7	0	0	0.0	0.0	513	1 558.8	494.9	0	0.0	0.0
Zagreb Stock Exchange	63	46 608	137.6	62.5	0.2	0	0	0.0	0.0	53	36.4	61.1	0	0.0	0.0
TOTAL		270 792 622	1 935 217.2				2 090 221	46 838.1		223 209	56 851.1		224 294	27 213.0	

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

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

Electronic Order Book Transactions									
New Market	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuos Trading		Miscellaneous (Unscheduled Auctions)
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades Turnover EUROm
Athens Exchange	32 332	32 332.0	59 610	467.0	2 685	15.9	2 267 623	4 666.5	32 314 28.9
BME (Spanish Exchanges)	347 043	347 043.0	624 095	32 608.0	0	0.0	13 784 592	88 476.5	34 008 148.1
Bucharest Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Budapest Stock Exchange	11 489	11 489.0	14 867	374.6	118	0.0	549 572	2 549.9	3 170 3.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
CEESEG - Prague	8 240	8 240.0	12 299	222.4	0	0.0	208 089	972.0	0 0.0
CEESEG - Vienna	57 329	57 329.0	138 445	3 261.5	23 241	108.3	1 489 913	6 789.7	14 858 52.8
Cyprus Stock Exchange	421	421.0	101	0.1	0	0.0	9 150	38.3	0 0.0
Deutsche Börse	380 250	380 250.0	859 474	99 534.8	5 526 286	37 799.5	41 486 504	315 270.9	46 372 487.9
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Luxembourg Stock Exchange	234	234.0	11	0.0	0	0.0	1 965	11.4	28 0.0
Malta Stock Exchange	327	327.0	33	0.2	0	0.0	2 798	23.3	65 0.3
NASDAQ Nordics & Baltics	1 224 669	1 224 669.0	1 833 703	52 581.9	21 306	16.8	19 947 792	40 830.9	37 310 328 146 544.6
SIX Swiss Exchange	409 991	409 991.0	1 135 513	85 618.0	22 151	204.0	26 165 844	273 506.0	22 151 204.0
Warsaw Stock Exchange	165 357	165 357.0	223 774	1 883.5	0	0.0	7 220 922	12 253.5	0 0.0
Zagreb Stock Exchange	2 158	2 158.0	885	2.9	619	1.8	42 029	127.8	917 0.7
TOTAL	2 639 840	2 639 840.0	4 902 810	276 555.1	5 596 406	38 146.3	113 176 793	745 516.7	37 464 211 147 470.2

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	61	83 766	171.0	-95	5.9	0	0.0	0	13	1.0	-100	344	41.6	-99
BME (Spanish Exchanges)	64	240 504	1 011.4	-99	2.1	0	0.0	0	0	0.0	-100	0	0.0	0
Boerse Stuttgart	64	245 079	2 930.5	-16	n/d	//	//	0	//	//	0	//	//	0
Bucharest Stock Exchange	62	5 948	13.4	-97	0.8	0	0.0	0	6	6.4	-60	0	0.0	-100
Budapest Stock Exchange	64	0	0.0	-100	0.0	0	0.0	0	0	0.0	0	0	0.0	-100
Bulgarian Stock Exchange	63	0	0.0	-100	0.0	0	0.0	0	0	0.0	0	0	0.0	0
CEESEG - Prague	64	74 214	328.7	-61	21.4	0	0.0	0	0	0.0	0	0	0.0	0
CEESEG - Vienna	64	108 496	440.3	-94	5.8	//	//	0	//	//	0	//	//	0
Cyprus Stock Exchange	61	0	0.0	-100	0.0	0	0.0	0	0	0.0	-100	0	0.0	-100
Deutsche Börse	64	12 173 994	89 498.1	-72	68.9	0	0.0	0	285 445	9 104.6	71	0	0.0	0
Euronext	64	542 252	1 503.0	-100	0.5	0	0.0	-100	338	141.0	-99	0	0.0	0
Luxembourg Stock Exchange	64	152	1.8	-87	0.1	0	0.0	0	//	//	0	0	0.0	0
Malta Stock Exchange	60	0	0.0	-100	0.0	0	0.0	0	0	0.0	0	0	0.0	0
NASDAQ Nordics & Baltics	64	3 084 475	10 889.6	-94	10.4	10 659	86.8	-96	477	356.1	-98	7 040	66.5	-95
SIX Swiss Exchange	63	591 160	3 154.8	-99	2.5	25 046	291.9	-99	166	285.3	-95	1 283	10 993.6	-44
Warsaw Stock Exchange	63	77 466	130.2	-99	1.5	0	0.0	0	2	0.0	-100	0	0.0	0
Zagreb Stock Exchange	63	0	0.0	-100	0.0	0	0.0	0	0	0.0	-100	0	0.0	0
TOTAL		17 227 506	110 072.9			35 705	378.8		286 447	9 894.4		8 667	11 101.7	

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

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

Electronic Order Book Transactions									
New Market	Scheduled Opening Auction		Scheduled Closing Auction		Scheduled Intraday Auction		Continuos Trading		Miscellaneous (Unscheduled Auctions)
	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades	Turnover EUROM	Trades Turnover EUROM
Athens Exchange	768	768.0	3 065	10.3	274	5.1	154	153.8	705 0.8
BME (Spanish Exchanges)	5 431	5 431.0	5 417	32.1	0	0.0	950	950.4	1 670 4.9
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 - Prague	2 001	2 001.0	872	4.2	0	0.0	320	320.3	0 0.0
CEESEG - Vienna	2 018	2 018.0	1 597	3.3	23	0.0	421	421.1	2 533 10.1
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Deutsche Börse	79 060	79 060.0	68 654	7 065.6	7 538 498	44 464.9	37 102	37 101.9	14 903 95.2
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
Luxembourg Stock Exchange	123	123.0	0	0.0	0	0.0	0	0.0	22 1.8
Malta Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
NASDAQ Nordics & Baltics	54 876	54 876.0	56 775	892.9	441	0.3	2 897	2 897.4	1 432 727 7 015.4
SIX Swiss Exchange	9 590	9 590.0	18 939	526.0	2 472	10.0	2 562	2 562.0	2 472 10.0
Warsaw Stock Exchange	1 218	1 218.0	3 919	17.2	0	0.0	113	112.6	0 0.0
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0 0.0
TOTAL	155 085	155 085.0	159 238	8 551.6	7 541 708	44 480.3	44 519	44 519.5	1 455 032 7 138.2

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 - Iceland	
HELLENIC TELECOM. ORGANISATION (CR)	18.11	AB INBEV	27.14	FESTI HF.	14.14
OPAP S.A. (CR)	10.24	KBC	11.35	MAREL HF.	13.59
NATIONAL BANK OF GREECE S.A. (CR)	9.88	UCB	6.74	ARION BANKI HF.	8.35
ALPHA BANK A.E. (CR)	8.46	UMICORE	5.89	SÍMINN HF.	7.79
EUROBANK ERGASIAS SERVICES AND HOLDINGS S.A. (CR)	8.16	SOLVAY	5.35	VÁTRYGGINGAFÉLAG ÍSLANDS HF.	7.54
BME (Spanish Exchanges)		Euronext Dublin		NASDAQ Nordic - Riga	
IBERDROLA	12.94	CRH PLC ORDINARY SHARES	32.76	OLAINFARM	65.74
B. SANTANDER	12.55	KERRY GROUP PLC	15.29	LATVIJAS BALZAMS	12.23
REPSOL	8.36	RYANAIR HOLD. PLC	12.34	SAF TEHNIKA	9.20
TELEFONICA	6.24	KINGSPAN GROUP PLC	8.98	LATVIJAS GAZE	5.81
INDITEX	5.74	SMURFIT KAPPA GP	8.44	GRINDEKS	2.15
Bucharest Stock Exchange		Euronext Lisbon		NASDAQ Nordic - Stockholm	
FONDUL PROPRIETATEA	28.50	EDP	41.81	ATLAS COPCO AB	4.56
BANCA TRANSILVANIA S.A.	26.20	GALP ENERGIA-NOM	18.73	INVESTOR AB	4.38
S.N.G.N. ROMGAZ S.A.	9.98	J.MARTINS.SGPS	12.83	VOLVO, AB	3.91
BRD - GROUPE SOCIETE GENERALE S.A.	7.75	EDP RENOVAVEIS	5.54	ERICSSON, TELEFONAB. L M	3.86
OMV PETROM S.A.	6.47	B.COM.PORTUGUES	5.35	SWEDBANK AB	3.50
Budapest Stock Exchange		Euronext Oslo		NASDAQ Nordic - Tallinn	
OTP	58.74	EQUINOR	13.64	AS TALLINNA SADAM	19.28
RICHTER	19.75	DNB	9.17	TALLINK GRUPP	17.62
MOL	14.97	MOWI	6.35	AS LHV GROUP	17.10
MTELEKOM	1.88	TELENOR	5.82	TALLINNA KAUBAMAJA GRUPP AS	14.82
DELTA	0.96	NEL	5.36	TALLINNA VESI	6.34
Bulgarian Stock Exchange		Euronext Paris		NASDAQ Nordic - Vilnius	
CHIMIMPORT AD-SOFIA	10.90	TOTAL	6.65	SIAULIU BANKAS AB	66.26
CAPITAL CONCEPT LIMITED AD-SOFIA	8.74	LVMH	6.24	TELIA LIETUVA, AB	7.07
HOLDING CENTER AD-SOFIA	6.78	SANOFI	4.86	APRANGA APB	6.05
BULGARIAN REAL ESTATE FUND REIT-SOFIA	6.41	AIRBUS	4.37	ENERGIJOS SKIRSTYMO OPERATORIUS AB	5.71
SOPHARMA AD-SOFIA	5.84	BNP PARIBAS	4.08	GRIGEO AB	2.87
CEESEG - Prague		Luxembourg Stock Exchange		SIX Swiss Exchange	
CEZ	33.36	SKHYNIXINC. 05 GDS	10.28	ROCHE GS	13.91
KOMERCNI BANKA	19.41	LUXEMPART	8.55	NESTLE N	13.56
MONETA MONEY BANK	17.73	VELCANHOLDINGS ORDINARY SHARES	7.51	NOVARTIS N	9.95
ERSTE GROUP BANK	14.61	SOCFINASIA	2.99	ZURICH INSURANCE N	4.97
AVAST	4.82	BREDERODE	2.83	UBS GROUP N	3.85
CEESEG - Vienna		Malta Stock Exchange		Warsaw Stock Exchange	
ERSTE GROUP BANK AG	17.16	MALTA INTERNATIONAL AIRPORT P.L.C. ORD	27.28	CDPROJEKT	13.58
OMV AG	12.68	HSBC BANK MALTA P.L.C. ORD	17.18	PKNORLEN	9.23
VOESTALPINE AG	9.47	RS2 SOFTWARE P.L.C. ORD	13.91	PKOBP	8.83
RAIFFEISEN BANK INTERNAT. AG	8.24	BANK OF VALLETTA P.L.C. ORD	11.09	PZU	8.04
ANDRITZ AG	6.63	PG P.L.C. ORD	8.78	KGHM	6.16
Cyprus Stock Exchange		NASDAQ Nordic - Copenhagen		Zagreb Stock Exchange	
HELLENIC BANK PUBLIC COMPANY LTD	28.17	NOVO NORDISK A/S	18.66	VALAMAR RIVIERA D.D.	20.12
BANK OF CYPRUS HOLDINGS PLC	26.07	VESTAS WIND SYSTEMS A/S	7.40	ADRIS GRUPA D.D.	15.02
LOUIS PLC	13.93	ØRSTED A/S	7.11	HT D.D.	13.44
LOGICOM PUBLIC LTD	10.22	DSV PANALPINA A/S	6.11	ARENA HOSPITALITY GROUP DD	6.35
VASSILICO CEMENT WORKS PUBLIC COMPANY LTD	5.46	COLOPLAST A/S	5.82	AD PLASTIK D.D.	5.79
Deutsche Börse		NASDAQ Nordic - Helsinki			
SAP SE O.N.	6.10	NOKIA OYJ	12.48		
ALLIANZ SE NA O.N.	5.08	NESTE CORPORATION	9.44		
SIEMENS AG NA O.N.	4.35	KONE OYJ	7.98		
BASF SE NA O.N.	3.44	SAMPO OYJ	7.74		
ADIDAS AG NA O.N.	3.41	FORTUM OYJ	7.54		

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	10	109.5	598	0.2	-70.8	1	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansión	Market	MTF	SMEs	116	14 810.0	17 263	56.8	-51.8	n/a	n/a	n/d	n/a	n/a	n/d
Budapest Stock Exchange	BETa	BETa Market			26	805 869.6	2 499	1.9	18.7	0	0.0	0.0	0	0.0	0.0
CEESEG - Prague	START				6	94.0	//	//	-57.5	//	//	n/d	n/a	n/a	n/d
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	19	1 697.8	52 426	208.9	70.1	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	46	2 089.1	126	0.3	50.0	//	//	0.0	0	0.0	0.0
Deutsche Börse	Scale	Segment	Rm	SMEs	49	6 137.3	72 970	227.4	-3.0	1 874	17.3	-12.6	n/a	n/a	n/d
Euronext	Euronext Growth	Market	MTF	SMEs	265	16 241.0	1 283 882	1 831.0	49.7	0	0.0	0.0	0	0.0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	113	1 547.0	170	2.7	440.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	Prospects MTF		MTF		1	5.0	0	0.0	0.0	n/a	n/a	n/d	n/a	n/a	n/d
NASDAQ Nordics & Baltics	First North Alternative Market	Market	MTF	SMEs	334	23 829.0	1 395 674	1 683.2	-15.4	346	172.6	49.7	95	0.6	-21.1
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	377	2 191.7	273 880	142.6	67.7	6	0.3	-62.4	n/a	n/a	n/d
Zagreb Stock Exchange	Progress Market		MTF	SME	5	139.8	//	//	-25.0	//	//	0.0	0	0.0	0.0
TOTAL					1 367	874 760.9	894	640.8		353	190.2		95	0.6	

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	36	0.0	0	0.0	0	0.0	645	0.7	32	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	15	0.0	0	0.0	0	0.0	1 795	1.0	59	0.0
CEESEG - Prague	//	//	//	//	//	//	//	//	//	//
CEESEG - Vienna	771	2.2	62	0.1	22	0.0	49 676	198.9	1 895	7.7
Cyprus Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	126	0.3	n/a	n/a
Deutsche Börse	1 640	6.4	2 409	9.1	2 588	8.4	63 985	196.3	2 348	7.2
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Luxembourg Stock Exchange	35	0.0	0	0.0	0	0.0	116	1.1	19	1.5
Malta Stock Exchange	0	0.0	0	0.0	n/a	n/a	0	0.0	0	0.0
NASDAQ Nordics & Baltics	42 568	33.7	22 545	48.5	271	0.2	1 289 331	1 548.3	40 959	52.5
Warsaw Stock Exchange	10 747	4.2	7 659	3.2	n/a	n/a	255 474	135.3	n/a	n/a
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	55 814	46.5	32 677	60.9	2 893	102.7	1 661 158	2 081.9	45 315	69.0

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	4 771	2.1	-19.8	1	0.0	0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansión	Market	MTF	SMEs	47 422	174.7	-10.3	0	0.0	0	0	0.0	0.0
Budapest Stock Exchange	BETa	BETa Market			4 968	4.3	53.6	0	0.0	0	0	0.0	0.0
CEESEG - Prague	START				//	//	//	//	//	//	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	97 642	415.1	64.6	//	//	//	//	//	//
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	461	0.5	0.0	//	//	//	0	0.0	0.0
Deutsche Börse	Scale	Segment	Rm	SMEs	176 585	623.4	57.4	5 084	52.0	50	0	0.0	0.0
Euronext	Euronext Growth	Market	MTF	SMEs	2 307 038	3 501.0	80.1	0	0.0	0	0	0.0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	378	3.3	371.4	//	//	//	0	0.0	0.0
Malta Stock Exchange	Prospects MTF		MTF		0	0.0	0.0	0	0.0	0	0	0.0	0.0
NASDAQ Nordics & Baltics	First North Alternative Market	Market	MTF	SMEs	4 100 078	5 060.7	24.3	928	401.9	2	352	1.9	-60.9
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	616 139	310.8	61.4	52	5.6	-52	0	0.0	0.0
Zagreb Stock Exchange	Progress Market		MTF	SME	//	//	//	//	//	//	0	0.0	0.0
TOTAL					7 355 567	10 096.6		6 090	459.8		352	1.9	

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		Continuos Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	176	0.0	5	0.0	0	0.0	4 914	3.2	84	0.1
BME (Spanish Exchanges)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Budapest Stock Exchange	29	0.0	0	0.0	0	0.0	3 883	2.8	65	0.0
CEESEG - Prague	//	//	//	//	//	//	//	//	//	//
CEESEG - Vienna	1 721	5.3	122	0.2	50	0.0	87 534	385.0	2 642	10.9
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	461	25.8	0	0.0
Deutsche Börse	4 364	17.6	6 858	28.2	7 149	27.0	154 741	537.8	3 476	12.7
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	97	0.0	1	0.0	0	0.0	234	1.5	50	1.8
Malta Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NASDAQ Nordics & Baltics	121 263	96.1	61 856	129.6	813	0.7	3 841 352	4 740.0	74 794	94.1
Warsaw Stock Exchange	27 566	10.1	20 836	8.2	0	0.0	567 737	292.5	0	0.0
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	155 225	129.2	89 684	166.2	8 042	122.2	4 660 885	5 988.6	81 122	119.6

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	4	19.4	116	0.6	50.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	2 099	n/a	904	20.8	15.5	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BOND S	/MTF		24	711.9	0	0.0	-100.0	//	//	0.0	//	//	0.0
Deutsche Börse	Scale	Segment	RM	SME	8	n/a	502	4.0	152.8	13	0.1	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
Malta Stock Exchange	Prospects MTF	Market	MTF		22	93.8	//	//	-35.0	//	//	n/d	n/a	n/a	n/d
Warsaw Stock Exchange	Catalyst				254	8 539.8	4 875	28.1	56.5	0	0.0	-100.0	n/a	n/a	n/d
TOTAL					2 411	9 364.9	6 448	53.8		13	0.1		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	412	1.2	0	0.0	0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	3 105	59.8	//	//	//	//
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BONDS	/MTF		11	0.3	//	//	//	//
Deutsche Börse	Scale	Segment	RM	SME	978	8.3	23	0.2	0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	0	0.0	//	//	0	0.0
Malta Stock Exchange	Prospects MTF	Market	MTF		//	//	//	//	0	0.0
Warsaw Stock Exchange	Catalyst				13 173	70.3	4	0.1	0	0.0
TOTAL					17 848	140.8	27	0.3	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	n/a	n/a	n/a	n/a	n/d	n/a	n/a	n/d			n/d
BME (Spanish Exchanges)	0	2 185	n/a	28.7	-7.1	n/a	n/a	n/d			n/d
Boerse Stuttgart	718 859	1 368 932	931 888	6 719.3	43.3	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	18	103	10 977	12.6	28.6	0	0.0	0.0			n/d
Budapest Stock Exchange	39	137	34 530	45.8	70.9	//	//	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	2	//	//	0.0	//	//	n/d	0	0.0	0.0
CEESEG - Prague	6	57	474	1.8	196.7	//	//	n/d			n/d
CEESEG - Vienna	1 204	6 294	6 724	67.3	89.4	//	//	n/d			n/d
Deutsche Börse	598 754	1 191 133	566 536	4 051.9	74.5	273 226	2 332.4	81.7			n/d
Euronext	84 096	88 769	658 879	2 095.0	59.1	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	1 509	7 076	547 761	1 365.9	-17.6	n/a	n/a	n/d	74	2.0	553.3
SIX Swiss Exchange	10 173	37 850	131 477	2 035.0	49.0	3 664	2 162.6	156.2	2,127	1,889.8	141.2
Warsaw Stock Exchange	240	1 264	58 823	83.4	52.8	0	0.0	0.0			n/d
TOTAL	1 414 898	2 703 802	2 948 069	240.0		0	0.0		2 201	1 891.8	

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)	105	0	84.5	0	0.0	0	0.0
Boerse Stuttgart	1 575 616	2 021 226	15,375.1	0	0.0	0	0.0
Bucharest Stock Exchange	28	24 984	28.6	0	0.0	0	0.0
Budapest Stock Exchange	70	76 387	93.0	//	//	0	0.0
Bulgarian Stock Exchange	0	//	//	//	//	0	0.0
CEESEG - Prague	20	1 098	3.0	//	//	0	0.0
CEESEG - Vienna	1 997	11 758	134.7	//	//	0	0.0
Deutsche Börse	1 301 209	1 204 850	8,174.6	593 468	4 832.7	0	0.0
Euronext	145 991	1 416 724	4,584.0	0	0.0	0	0.0
Luxembourg Stock Exchange	0	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	4 049	1 270 930	3,405.5	0	0.0	131	2.3
SIX Swiss Exchange	19 594	258 157	4,448.9	7 909	3 352.9	4,800	2,936.2
Warsaw Stock Exchange	420	110 640	181.7	0	0.0	0	0.0
TOTAL	3 049 099	6 396 754	36 513.6	0	0.0	4 931	2 938.5

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	160	1.4	22.8	0	0.0	0.0	4	0.4	n/d
BME (Spanish Exchanges)	n/a	5	n/a	457.8	93.4	n/a	n/a	n/d			n/d
Boerse Stuttgart	n/a	1 740	116 428	3 682.0	58.4	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	1	820	0.4	50.0	0	0.0	0.0			n/d
Budapest Stock Exchange	0	1	281	0.4	300.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	12	263	0.5	360.0	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	0	3	//	//	n/d	//	//	n/d			n/d
CEESEG - Vienna	0	117	1 554	14.8	770.6	//	//	n/d			n/d
Deutsche Börse	39	1 500	1 909 355	35 548.8	67.2	37,874	1,577.8	72.9			n/d
Euronext	17	1 252	885 512	12 994.0	81.9	589	2,932.0	24.9			n/d
Luxembourg Stock Exchange	2	78	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	0	14	234 903	2 140.9	193.8	n/a	n/a	n/d	26	2.2	161.6
SIX Swiss Exchange	20	1 449	261 771	9 624.3	60.0	1,017	10,277.0	214.5	978	10,168.2	219.8
Warsaw Stock Exchange	0	7	24 242	32.9	206.2	0	0.0	0.0			n/d
TOTAL			3 435 290	64 498.2		39 480	14 786.8		1 008	10 170.8	

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	332	5.6	0	0.0	6	0.6
BME (Spanish Exchanges)	0	0	819.0	0	0.0	0	0.0
Boerse Stuttgart	0	220 027	7 772.2	0	0.0	0	0.0
Bucharest Stock Exchange	0	1 665	0.9	0	0.0	0	0.0
Budapest Stock Exchange	0	414	0.6	0	0.0	0	0.0
Bulgarian Stock Exchange	1	345	0.6	0	0.0	0	0.0
CEESEG - Prague	0	//	//	//	//	0	0.0
CEESEG - Vienna	0	1 927	17.8	//	//	0	0.0
Deutsche Börse	65	3 777 977	72 474.1	88 464	3 286.3	0	0.0
Euronext	31	1 583 506	24 984.0	1 445	6 934.0	0	0.0
Luxembourg Stock Exchange	4	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	1	361 473	3 414.3	0	0.0	40	3.6
SIX Swiss Exchange	37	508 555	19 881.2	2 606	15 819.2	2,523	15,424.2
Warsaw Stock Exchange	1	37 963	49.5	0	0.0	0	0.0
TOTAL		6 494 185	129 420.0	92 515	26 039.5	2 569	15 428.4

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	1	8.4	23	0.0	-66.7	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	n/a	2 542	24 542.8	//	//	n/d	//	//	n/d			n/d
Boerse Stuttgart	n/a	1 595	n/a	17 119	336.9	21.0	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	2	7.5	32	0.0	-66.7	0	0.0	0.0			n/d
Budapest Stock Exchange	1	62	457.1	681	1.3	62.5	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	4	7.3	1	0.0	-100.0	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	0	32	1 022.8	0	0.0	-100.0	//	//	n/d			n/d
CEESEG - Vienna	0	1	n/a	0	0.0	0.0	//	//	n/d			n/d
Cyprus Stock Exchange	0	0	91.4	191	0.2	-57.5	0	0.0	0.0	3	0.0	-92.0
Deutsche Börse	0	2 812	n/a	29 376	318.2	68.2	2 513	73.8	-18.3			n/d
Euronext	36	6 208	n/a	19 416	1 538.0	n/d	0	0.0	n/d	0	0.0	n/d
Luxembourg Stock Exchange	64	3 870	n/a	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	1	473	61 147.7	151 525	1 773.0	30.2	22 770	1 518.4	33.0			n/d
SIX Swiss Exchange	0	41	n/a	59 173	1 056.4	42.8	144	103.2	-6.0	111	81.0	57.9
Warsaw Stock Exchange	0	36	296.2	914	1.9	89.2	0	0.0	0.0			n/d
TOTAL	102	17 679	87 581.2	278 451	5 025.9		25 427	1 695.4		114	81.0	

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	98	0.2	0	0.0	0	0.0
BME (Spanish Exchanges)	0	//	//	//	//	0	0.0
Boerse Stuttgart	0	36 634	850.5	0	0.0	0	0.0
Bucharest Stock Exchange	0	193	0.1	0	0.0	0	0.0
Budapest Stock Exchange	2	1 770	3.3	0	0.0	0	0.0
Bulgarian Stock Exchange	0	9	0.5	0	0.0	0	0.0
CEESEG - Prague	0	7	0.2	//	//	0	0.0
CEESEG - Vienna	0	0	0.0	//	//	0	0.0
Cyprus Stock Exchange	0	512	0.6	0	0.0	4	0.5
Deutsche Börse	92	57 430	646.7	6 351	242.7	0	0.0
Euronext	36	19 416	1 538.0	0	0.0	0	0.0
Luxembourg Stock Exchange	140	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	4	312 520	4 284.3	97 755	3 826.2	0	0.0
SIX Swiss Exchange	0	141 459	2 694.8	372	345.6	247	211.1
Warsaw Stock Exchange	0	1 759	3.7	0	0.0	0	0.0
TOTAL	274	571 807	10 023.0	104 478	4 414.5	251	211.6

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	20	3 040	24.5	22.7	0	0.0	-100.0	37	3.3	-87.3
BME (Spanish Exchanges)	22	3 907	9 503.0	47,415.0	33 711	474 906.0	1 696.2			n/d
Boerse Stuttgart	22	28 286	1 691.9	8,359.5	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	22	44	0.0	-100.0	0	0.0	-100.0			n/d
Budapest Stock Exchange	22	1	0.0	-100.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	21	52	1.1	-94.6	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	22	464	65.8	229.0	n/a	n/a	n/d			n/d
CEESEG - Vienna	22	1 912	50.8	153.9	//	//	n/d			n/d
Cyprus Stock Exchange	20	46	0.1	-99.5	0	0.0	-100.0	0	0.0	-100.0
Deutsche Börse	22	53 895	1 002.2	4,911.0	1 969	127.6	-77.3			n/d
Euronext	22	4 184	2 183.0	10,815.0	588	15 656.0	972.3	4,959	20,092.0	309.4
Luxembourg Stock Exchange	22	319	8.5	-57.5	//	//	-100.0	0	0.0	0.0
Malta Stock Exchange	20	2 170	29.7	56.3	n/a	n/a	n/d			n/d
NASDAQ Nordics & Baltics	22	8 133	4 346.3	21,631.5	1 353	13 722.9	0.8	53,748	84,166.8	190.1
SIX Swiss Exchange	22	31 560	1 665.2	8,226.0	4 051	7 570.4	425.2	6,066	11,726.7	230.3
Warsaw Stock Exchange	22	11 125	60.1	200.8	3	6.7	-83.5			n/d
Zagreb Stock Exchange	22	//	//	-88.0	//	//	-100.0	0	0.0	0.0
TOTAL		149 154	20 634.6		41 675	511 989.6		64 810	115 988.8	

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	61	5 844	66.4	8	4.7	79	44.6
BME (Spanish Exchanges)	64	11 778	58 202.0	84 749	1 247 547.6	0	0.0
Boerse Stuttgart	64	59 305	4 004.4	0	0.0	0	0.0
Bucharest Stock Exchange	62	103	0.3	0	0.0	0	0.0
Budapest Stock Exchange	64	3	0.0	25	44.6	0	0.0
Bulgarian Stock Exchange	63	98	4.5	0	0.0	0	0.0
CEESEG - Prague	64	1 167	152.9	0	0.0	0	0.0
CEESEG - Vienna	64	5 409	117.7	0	0.0	0	0.0
Cyprus Stock Exchange	61	116	0.7	0	0.0	2	5.1
Deutsche Börse	64	116 085	2 082.1	4 618	455.8	0	0.0
Euronext	64	12 263	4 978.0	1 944	63 202.0	15,212	75 962.8
Luxembourg Stock Exchange	64	821	23.8	0	0.0	0	0.0
Malta Stock Exchange	60	5 014	84.6	0	0.0	0	0.0
NASDAQ Nordics & Baltics	64	17 880	20 434.0	3 786	43 622.7	133,653	217 967.3
SIX Swiss Exchange	63	71 035	4 355.7	9 584	15 031.7	14,049	24 223.2
Warsaw Stock Exchange	63	26 095	150.7	10	9.3	0	0.0
Zagreb Stock Exchange	63	66	10.9	0	0.0	0	0.0
	1 072	333 082	94 668.7	104 724	1 369 918.4	162 995	318 203.1

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	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	3 040	24.5	8.5	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	1	0.2	n/d	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	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	0.0	-100.0	0	0.0	0.0	18	0.1	166.7	19	0.5	225.0	15	0.5	-25.0	n/a	n/a	n/d
CEESEG - Prague	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	53	0.8	174.2	411	65.0	117.2	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	0	0.0	-100.0	0	n/a	n/d	46	0.1	-73.3	n/a	n/a	n/d	0	0.0	-100.0	n/a	n/a	n/d
Deutsche Börse	8 500	369.4	347.8	222	4.5	-68.5	52	0.5	25.0	99	7.9	-34.7	46 988	747.5	22.4	0	0.0	0.0
Euronext	51 621	861.0	72.5	1 393	23 111.0	47.4	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
Luxembourg Stock Exchange	37	1.2	33.3	23	0.3	-25.0	0	0.0	0.0	1	0.1	0.0	223	3.3	10.0	35	3.7	146.7
Malta Stock Exchange	520	16.0	12.2	n/a	n/a	n/d	n/a	n/a	n/d	75	1.2	53.8	1 575	12.5	20.2	0	0.0	0.0
NASDAQ Nordics & Baltics	2 311	5 869.8	13.5	297	128.2	64.8	71	0.1	-85.9	55 155	95 853.0	24.6	1 044	295.8	143.1	4 356	89.0	26.8
SIX Swiss Exchange	3 561	5 390.6	140.5	510	584.0	92.2	2 067	1 004.9	60.1	2 531	5 371.2	81.2	30 624	8 234.4	52.0	2 384	377.2	35.3
Warsaw Stock Exchange	750	23.0	86.3	5	0.3	1 350.0	0	0.0	0.0	0	0.0	-100.0	10 113	43.4	58.7	260	0.2	-28.1
Zagreb Stock Exchange	14	2.4	-42.9	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	2	0.0	-100.0	0	0.0	0.0
TOTAL	67 315	12 533.6		2 450	23 828.3		2 254	1 005.7		57 934	101 234.8		94 035	9 426.8		7 035	470.1	

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	41	0.0	0	0.0	0	0.0	0	0.0	5 852	71.1	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	1	0.2	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	3	0.0	0	0.0	0	0.0
Bulgarian Stock Exchange	1	0.5	0	0.0	27	0.1	32	0.7	38	3.1	0	0.0
CEESEG - Prague	0	0.0	0	0.0	0	0.0	72	1.2	1 095	151.7	0	0.0
CEESEG - Vienna	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cyprus Stock Exchange	2	0.0	0	0.0	103	0.4	0	0.0	11	0.3	0	0.0
Deutsche Börse	18 180	552.6	1 004	44.7	112	1.2	199	23.0	101 199	1 916.6	0	0.0
Euronext	94 022	1 752.0	3 311	59 081.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	79	2.2	80	1.1	0	0.0	13	0.5	501	11.1	148	9.1
Malta Stock Exchange	1 519	51.2	0	0.0	0	0.0	158	3.1	3 337	30.3	0	0.0
NASDAQ Nordics & Baltics	4 901	15 485.4	622	399.4	293	1.6	137 124	265 412.1	2 181	511.1	10 738	214.5
SIX Swiss Exchange	7 883	9 576.6	1 247	1 206.1	4 911	2 770.4	5 276	9 868.9	69 963	19 278.1	5 388	910.3
Warsaw Stock Exchange	2 097	49.3	24	2.7	0	0.0	7	1.1	22 677	105.6	1 300	1.3
Zagreb Stock Exchange	41	10.3	0	0.0	0	0.0	0	0.0	25	0.6	0	0.0
TOTAL	128 766	27 480.3	6 288	60 735.0	5 446	2 773.8	142 884	275 310.5	206 879	22 079.7	17 574	1 135.2

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	36	0	1	0	14	4	55	0	0	1	0.0
BME (Spanish Exchanges)	n/a	n/a	n/a	n/a	n/a	n/a	3 055	n/a	42 625	0	107 307.0
Boerse Stuttgart	n/a	n/a	n/a	n/a	n/a	n/a	27 976	n/a	n/a	0	0.0
Bucharest Stock Exchange	16	37	4	9	n/a	n/a	9	n/a	n/a	0	0.0
Budapest Stock Exchange	23	0	0	43	46	6	118	1	42	12	907.2
Bulgarian Stock Exchange	16	0	3	17	50	0	86	0	0	4	426.2
CEESEG - Prague	21	1	0	34	60	n/a	116	1	4 577	3	4 988.2
CEESEG - Vienna	n/a	n/a	n/a	n/a	n/a	n/a	3 868	179	17 142	332	32 882.1
Cyprus Stock Exchange	18	n/a	2	n/a	27	n/a	47	1	61	4	361.0
Deutsche Börse	2 021	1 147	39	1 832	24 478	0	29 517	265	27 387	718	88 827.6
Euronext	684	n/a	n/a	n/a	n/a	46 249	46 933	1 064	n/a	2 948	0.0
Luxembourg Stock Exchange	801	1 755	0	1 565	4 649	24 006	32 776	1 191	55 033	3 223	334 297.0
Malta Stock Exchange	46	n/a	n/a	10	91	28	174	10	273	24	467.7
NASDAQ Nordics & Baltics	192	273	1	3 166	1 142	3 437	8 211	80	2 750	264	12 563.3
SIX Swiss Exchange	667	162	63	264	1 584	718	3 458	n/a	n/a	0	0.0
Warsaw Stock Exchange	49	133	0	56	301	20	559	9	n/a	37	0.0
TOTAL	4 590	3 508	113	6 996	32 442	74 468.0	156 958.0	2 801.0	149 889.6	7 570.0	583 027.3

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	1	0.0
BME (Spanish Exchanges)	0	107 307.0
Boerse Stuttgart	0	0.0
Bucharest Stock Exchange	0	0.0
Budapest Stock Exchange	12	907.2
Bulgarian Stock Exchange	4	426.2
CEESEG - Prague	3	4 988.2
CEESEG - Vienna	332	32 882.1
Cyprus Stock Exchange	4	361.0
Deutsche Börse	718	88 827.6
Euronext	2 948	0.0
Luxembourg Stock Exchange	3 223	334 297.0
Malta Stock Exchange	24	467.7
NASDAQ Nordics & Baltics	264	12 563.3
SIX Swiss Exchange	0	0.0
Warsaw Stock Exchange	37	0.0
TOTAL	7 570	583 027.3

Table 12: Exchange Rates

National Currencies Movements against the EURO

Exchange	Currency	EURO 1 = Month End	% Change MoM
Bucharest Stock Exchange	Romanian Lei	4.8254	0.26
Budapest Stock Exchange	Hungarian forint	359.0900	5.65
Bulgarian Stock Exchange	Bulgarian lev	1.9558	0.00
CEESEG - Prague	Czech koruna	27.3250	7.62
NASDAQ Nordic - Copenhagen	Danish krone	7.4684	-0.05
NASDAQ Nordic - Iceland	Icelandic krona	155.3117	11.50
NASDAQ Nordic - Stockholm	Swedish krona	11.0832	3.95
SIX Swiss Exchange	Swiss franc	1.0594	-0.54
Warsaw Stock Exchange	Polish zloty	4.5523	5.00
Zagreb Stock Exchange	Croatian Kuna	7.6092	1.95

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 Tradeds	Notional Turnover (EUROm)	Open Interest	Contracts Traded	Notional Turnover (EUROm)	Open Interest
Derivatives Market	Greece	20	2 128	0.6	1 415	1 026 598	151.4	160 433	2 703	8.7	1 575	48 576	141.7	3 242
Spanish Exchanges (BME)	Spain	22	2 199 898	1 933.0	6 831 038	2 934 486	738.0	1 447 811	135 182	1 132.0	583 867	1 231 023	64 852.0	109 111
EUREX	Germany	22	18 799 907	67 930.7	62 409 889	12 966 616	41 252.1	9 206 702	68 804 103	2 007 674.0	57 806 235	120 242 745	3 823 664.0	11 247 205
Euronext		22	7 659 301	25 118.0	14 392 008	2 522 170	7 066.0	3 275 934	2 284 058	101 675.0	879 276	6 867 900	358 980.0	698 639
ICE Futures Europe		22	761 009	26 919.0	3 203 677	3 891 915	101 320.0	201 435	1 433 832	5 207.0	1 878 470	3 219 092	463 221.0	925 328
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	1 581 459	2 125.9	2 708 917	251 644	167.2	316 654	1 011 815	13 744.1	742 267	7 983 511	105 606.6	463 077
Warsaw Stock Exchange	Poland	22	n/a	n/a	n/a	278 484	318.7	26 754	56 297	200.3	21 256	1 147 399	7 821.0	47 504
TOTAL			31 003 702	124 027.2	89 546 944	23 871 913	151 013.5	14 635 723	73 727 990	2 129 641.1	61 912 946	140 740 246	4 824 286.3	13 494 106

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 Tradeds	Notional Turnover (EUROm)	Contracts Traded	Notional Turnover (EUROm)
Derivatives Market	Greece	61	4 878	2.4	2 100 967	424.6	11 880	49.6	140 987	555.7
Spanish Exchanges (BME)	Spain	64	6 536 916	6 670.0	3 499 567	1 017.0	706 913	6 496.0	2 622 399	174 459.0
EUREX	Germany	64	59 752 260	256 802.7	24 367 180	103 859.4	160 480 672	5 356 135.0	211 907 168	8 317 114.0
Euronext		64	21 780 638	82 954.0	5 566 394	20 034.0	6 652 385	348 385.0	15 095 373	938 847.0
ICE Futures Europe		63	2 579 479	55 741.0	5 517 211	283 990.0	3 713 240	7 734.0	4 383 450	900 557.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	64	5 528 494	8 385.3	569 144	681.6	3 095 288	49 182.1	15 919 288	239 758.3
Warsaw Stock Exchange	Poland	63	n/a	n/a	616 146	871.2	108 575	450.2	1 855 134	14 661.6
TOTAL			96 182 665	410 555.4	42 236 609	410 877.9	174 768 953	5 768 431.9	251 923 799	10 585 952.6

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	22	5 502 883	882 409.5	1 584 457	62 638 242	9 476 156.3	3 974 433
ICE Futures Europe		22	16 956 690	11 906 402.0	14 388 004	57 064 090	40 515 773.0	7 172 428
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	565 279	51 997.6	n/a	1 508 734	138 782.0	1 237 959
Warsaw Stock Exchange	Poland	22	n/a	n/a	n/a	0	0.0	101
TOTAL			23 024 852	12 840 809.1	15 972 461	121 211 066.0	50 130 711	12 384 921.0

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	64	14 475 564	2 337 090.8	146 711 760	22 195 400.0
ICE Futures Europe		63	39 491 344	27 771 124.0	142 664 224	99 175 936.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	64	1 413 578	131 535.6	2 617 594	242 817.5
Warsaw Stock Exchange	Poland	63	n/a	n/a	0	0.0
TOTAL			55 380 486	30 239 750.4	291 993 578	121 614 153.5

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		22	0	0.0	0	0	0.0	0	0	0.0	0.0
EUREX	Germany	22	1 987 177	5 790.8	1 007 242	639 247	21 197.3	2 455 925	6 755	191.9	1 804.0
Euronext		22	192 117	2 090.0	244 048	1 599 418	16 618.0	501 318	n/a	n/a	n/a
ICE Futures Europe		22	6 445 576	12 008.0	6 300 839	64 966 076	1 931 320.0	10 294 035	n/a	n/a	n/a
London Metal Exchange		22	757 262	n/a	n/a	16 709 790	971 970.6	n/a	4 233	n/a	n/a
TOTAL			9 382 132	19 888.8	7 552 129	83 914 531	2 941 105.9	13 251 278	10 988	191.9	1 804

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		64	0	0.0	0	0.0	0	0.0
EUREX	Germany	64	2 970 426	9 440.9	1 749 559	56 178.0	9 652	301.6
Euronext		64	379 999	4 172.0	4 548 128	49 244.0	n/a	n/a
ICE Futures Europe		63	15 001 062	21 296.0	164 749 744	6 247 480.0	n/a	n/a
London Metal Exchange		64	1 984 339	n/a	44 962 216	2 832 813.0	40 790	n/a
TOTAL			20 335 826	34 908.9	216 009 647	9 185 715.0	50 442	301.6

Table 16: Trading Participants

Exchange	N° of Trading Participants in the month			N° of Trading Participants		
	Equity	Bonds	Derivatives	Equity	Bonds	Derivatives
Athens Exchange	n/a	n/a	n/a	47	47	28
BME (Spanish Exchanges)	0	n/a	0	44	n/a	61
Bucharest Stock Exchange	0	0	0	28	28	0
Budapest Stock Exchange	n/a	n/a	n/a	19	17	13
Bulgarian Stock Exchange	0	0	0	48	48	0
CEESEG - Prague	n/a	n/a	n/a	18	18	17
CEESEG - Vienna	0	0	0	90	90	0
Cyprus Stock Exchange	0	0	0	18	6	n/a
Deutsche Börse	6	7	0	201	125	613
Euronext	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg Stock Exchange	0	0	0	27	27	0
Malta Stock Exchange	n/a	n/a	n/a	17	18	n/a
NASDAQ Nordics & Baltics	n/a	n/a	n/a	124	74	94
SIX Swiss Exchange	n/a	n/a	n/a	96	96	96
Warsaw Stock Exchange	0	0	0	0	0	0
Zagreb Stock Exchange	0	0	0	15	15	0

Table 16a: Foreign Exchange Derivatives Turnover

Notional Turnover in EURO millions

Exchange	Trading Days	Foreign Exchange Options				Foreign Exchange Futures			
		Contracts Traded	Notional Turnover (EUR m)	% Change MoM in EURO	Open Interest	Contracts Traded	Notional Turnover (EUR m)	% Change MoM in EURO	Open Interest
Deutsche Börse	22	0	0.0	0.0	0	169 582	16 831.1	278.1	66 063
TOTAL		0	0.0		0	169 582	16 831.1		66 063

Table 16b: Foreign Exchange Derivatives Turnover, Year to Date

Notional Turnover in EURO millions

Exchange	Trading Days	Foreign Exchange Options		Foreign Exchange Futures	
		Contracts Traded	Notional Turnover (EUR m)	Contracts Traded	Notional Turnover (EUR m)
Deutsche Börse	64	0	0.0	223 141	22 197.2
TOTAL		0	0.0	223 141	22 197.2

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