

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	634.64	3.5	3.5	640.57	31	600.12	3	640.57	600.12
BME (Spanish Exchanges) Barcelona	Barcelona: Bcn Global 100 Index	721.37	7.6	7.6	736.81	25	656.11	2	736.81	656.11
BME (Spanish Exchanges) Bilbao	Bilbao: Indice Bolsa de Bilbao 2000	1 415.30	6.4	6.4	1 436.54	25	1 301.98	2	1 436.54	1 301.98
BME (Spanish Exchanges) Madrid	Madrid: IGBM Index Indice General	913.61	5.9	5.9	931.68	25	844.72	2	931.68	844.72
BME (Spanish Exchanges) Valencia	Valencia: IGBV Index	1 203.91	7.6	7.6	1 223.65	25	1 096.56	2	1 223.65	1 096.56
Bucharest Stock Exchange	BETPlus (BUCHAREST EXCHANGE TRADING PLUS INDEX)	1 042.80	-6.0	-6.0	1 151.19	7	1 041.16	14	1 151.19	1 041.16
CEESEG - Prague	PX-GLOB	1 412.79	5.2	5.2	1 412.79	31	1 346.54	2	1 412.79	1 346.54
CEESEG - Vienna	Wiener Börse Index	1 202.72	8.4	8.4	1 207.02	30	1 120.85	2	1 207.02	1 120.85
Cyprus Stock Exchange	CSE General Index(Main and Parallel Market Index)	62.92	-5.8	-5.8	66.28	7	61.84	29	66.28	61.84
Deutsche Börse	CDAX - Price	505.55	6.5	6.5	512.63	25	469.81	3	512.63	469.81
Euronext Amsterdam	AAX All Share Index	767.87	6.6	6.6	767.87	31	709.87	3	767.87	709.87
Euronext Brussels	BAS Price	11 361.52	7.5	7.5	11 361.52	31	10 551.88	3	11 361.52	10 551.88
Euronext Paris	SBF 250 Price Index	3 891.99	5.6	5.6	3 891.99	31	3 594.40	3	3 891.99	3 594.40
Luxembourg Stock Exchange	LUX General Price Index	718.02	8.5	8.5	722.91	30	650.27	3	722.91	650.27
NASDAQ Nordic - Copenhagen	OMX Copenhagen (OMXC)	782.68	4.1	4.1	791.85	21	756.99	3	791.85	756.99
NASDAQ Nordic - Helsinki	OMX Helsinki (OMXH)	9 421.78	8.2	8.2	9 583.90	25	8 755.28	3	9 583.90	8 755.28
NASDAQ Nordic - Iceland	OMX Iceland All-Share PI (OMXIP)	1 269.11	4.2	4.2	1 278.47	29	1 182.60	8	1 278.47	1 182.60
NASDAQ Nordic - Stockholm	OMX Stockholm (OMXS)	565.26	7.6	7.6	565.26	31	520.59	3	565.26	520.59
NASDAQ Nordics & Baltics	OMX Nordic Eur PI (All-Share)	302.15	6.1	6.1	304.00	18	284.26	3	304.00	284.26
Oslo Børs	OSEBXP	380.66	4.5	4.5	389.63	21	366.13	2	389.63	366.13
SIX Swiss Exchange	SMI Index	10 514.35	7.0	7.0	10 555.99	31	9 783.46	3	10 555.99	9 783.46
Zagreb Stock Exchange	CROBEX	1 761.79	0.7	0.7	1 769.24	31	1 724.07	3	1 769.24	1 724.07

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	1 007.26	3.5	3.5	1 016.66	31	952.47	3	1 016.66	952.47
BME (Spanish Exchanges) Madrid	Madrid : Indice Total	3 560.66	6.5	6.5	3 609.08	25	3 341.05	3	3 609.08	3 341.05
Bucharest Stock Exchange	BET-TR (BUCHAREST EXCHANGE TRADING TOTAL RETURN INDEX)	10 248.27	-5.7	-5.7	11 329.21	7	10 222.18	14	11 329.21	10 222.18
Bulgarian Stock Exchange	SOFIX Index	585.76	-1.5	-1.5	594.46	2	559.93	16	594.46	559.93
CEESEG - Prague	PX-TR	1 868.22	5.8	5.8	1 868.22	31	1 771.23	2	1 868.22	1 771.23
CEESEG - Vienna	Austrian ATX Total Return (ATXTR)	5 528.54	8.7	8.7	5 604.74	31	5 039.77	2	5 604.74	5 039.77
Deutsche Börse	CDAX - Performance	1 057.30	6.7	6.7	1 069.23	25	979.92	3	1 069.23	979.92
Euronext Amsterdam	AAX All Share Total Return	2 651.17	6.6	6.6	2 651.17	31	2 450.78	3	2 651.17	2 450.78
Euronext Brussels	Euronext Brussels	40 770.40	7.6	7.6	40 770.40	31	37 857.61	3	40 770.40	37 857.61
Euronext Dublin	ISEQ Total Return	12 537.42	n/d	n/d	12 737.41	30	11 914.42	3	12 737.41	11 914.42
Euronext Lisbon	PSI general	2 966.51	6.9	6.9	2 977.37	25	2 780.51	2	2 977.37	2 780.51
Euronext Paris	SBF 250 Total Return	9 164.30	5.7	5.7	9 164.30	31	8 459.53	3	9 164.30	8 459.53
Malta Stock Exchange	Malta Stock Exchange Equity Total Return Index	8 836.86	-1.8	-1.8	8 995.84	3	8 680.83	16	8 995.84	8 680.83
NASDAQ Nordic - Copenhagen	OMX Copenhagen Benchmark (OMXCB)	1 390.83	3.7	3.7	1 413.01	21	1 354.10	3	1 413.01	1 354.10
NASDAQ Nordic - Helsinki	OMX Helsinki Benchmark (OMXHB)	104.73	8.0	8.0	106.86	25	97.15	3	106.86	97.15
NASDAQ Nordic - Iceland	OMX Iceland All-Share GI (OMXIGI)	637.38	4.2	4.2	642.08	29	593.93	8	642.08	593.93
NASDAQ Nordic - Riga	OMX Riga (OMXR)	989.77	6.5	6.5	989.77	31	930.77	2	989.77	930.77
NASDAQ Nordic - Stockholm	OMX Stockholm Benchmark (OMXSB)	997.95	8.1	8.1	997.95	31	913.75	3	997.95	913.75
NASDAQ Nordic - Tallinn	OMX Tallinn (OMXT)	1 241.73	6.8	6.8	1 241.73	31	1 166.50	3	1 241.73	1 166.50
NASDAQ Nordic - Vilnius	OMX Vilnius (OMXV)	647.96	5.0	5.0	647.96	31	618.57	2	647.96	618.57
Oslo Børs	OSEBX	835.31	4.5	4.5	854.98	21	803.42	2	854.98	803.42
SIX Swiss Exchange	SPI Index	8 969.27	6.4	6.4	9 027.46	21	8 388.97	3	9 027.46	8 388.97
Warsaw Stock Exchange	WIG Total Return Index	60 367.42	4.6	4.6	61 128.08	24	57 090.34	2	61 128.08	57 090.34
Zagreb Stock Exchange	CROBEXtr	1 137.51	0.7	0.7	1 142.32	31	1 113.15	3	1 142.32	1 113.15

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	1 682.67	4.6	4.6	1 700.25	31	1 580.73	3	1 700.25	1 580.73	24.0
BME (Spanish Exchanges)	IBEX - 35	9 056.70	6.1	6.1	9 225.40	25	8 354.80	2	9 225.40	8 354.80	13.9
Bucharest Stock Exchange	BET Index	6 950.84	-5.9	-5.9	7 683.07	7	6 934.35	14	7 683.07	6 934.35	25.0
Budapest Stock Exchange	BUX Index	40 855.56	4.4	4.4	41 503.91	18	39 672.60	3	41 503.91	39 672.60	15.4
CEESEEG - Prague	PX	1 043.55	5.8	5.8	1 043.55	31	989.37	2	1 043.55	989.37	9.3
CEESEEG - Vienna	Austrian Traded Index (ATX)	2 985.45	8.7	8.7	3 026.60	31	2 721.51	2	3 026.60	2 721.51	17.9
Cyprus Stock Exchange	FTSE/CySE20	37.72	-5.9	-5.9	39.77	7	37.00	29	39.77	37.00	0.0
Deutsche Börse	DAX - Performance Index	11 173.10	5.8	5.8	11 281.79	25	10 416.66	3	n/a	n/a	16.1
Euronext	Euronext 100	973.10	6.2	6.2	973.10	31	897.45	3	973.10	897.45	13.9
Euronext Amsterdam	AEX	520.63	6.7	6.7	520.63	31	480.41	3	520.63	480.41	13.7
Euronext Brussels	BEL 20	3 491.62	7.6	7.6	3 496.96	25	3 221.50	3	3 496.96	3 221.50	14.5
Euronext Dublin	ISEQ@20 Index	955.80	n/d	n/d	972.69	30	910.12	3	n/a	n/a	15.9
Euronext Lisbon	PSI 20	5 129.02	8.4	8.4	5 152.04	25	4 740.85	2	5 152.04	4 740.85	12.3
Euronext Paris	CAC40	4 992.72	5.5	5.5	4 992.72	31	4 611.49	3	4 992.72	4 611.49	14.7
Luxembourg Stock Exchange	Lux X Price Index	1 416.20	7.5	7.5	1 429.04	25	1 322.28	3	n/a	n/a	19.8
NASDAQ Nordic - Copenhagen	OMX Copenhagen 20 (OMXC20 CAP)	1 032.13	4.1	4.1	1 044.95	21	992.27	3	n/a	n/a	16.1
NASDAQ Nordic - Helsinki	OMX Helsinki 25 (OMXH25)	3 982.68	8.1	8.1	4 055.18	25	3 689.55	3	n/a	n/a	16.4
NASDAQ Nordic - Iceland	OMX Iceland 8 CAP (OMXI8CAP)	1 500.50	4.0	4.0	1 518.93	29	1 384.37	8	1 518.93	1 384.37	17.2
NASDAQ Nordic - Stockholm	OMX Stockholm 30 (OMXS30)	1 515.42	7.6	7.6	1 515.42	31	1 393.52	3	n/a	n/a	15.5
NASDAQ Nordics & Baltics	OMX Nordic 40 (OMXN40)	1 472.32	5.8	5.8	1 481.26	18	1 388.03	3	1 481.26	1 388.03	14.7
SIX Swiss Exchange	SMI	8 969.27	6.4	6.4	9 027.46	21	8 388.97	3	n/a	n/a	14.4
Warsaw Stock Exchange	WIG20 Index	2 380.11	4.5	4.5	2 420.94	24	2 243.05	3	2 420.94	2 243.05	14.2

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	2 657.70	5.7	5.7	2 660.32	31	2 486.18	3	2 660.3	2 486.18
Bucharest Stock Exchange	Rasdaq Index		33 287.08	-3.9	-3.9	35 480.53	7	33 280.25	25	35 480.5	33 280.25
Cyprus Stock Exchange	ECM INDEX CSE		900.19	-0.1	-0.1	901.06	2	900.19	29	901.1	900.19
Deutsche Börse	SCALE All Share	Total Return Index	974.55	6.5	6.5	986.05	28	916.10	3	986.0	916.10
NASDAQ Nordics & Baltics	First North All-Share EUR	Price Index	106.00	6.2	6.2	106.00	31	100.12	3	106.0	100.12
Oslo Børs	Oslo Axxess All-share index (OAXX)	Total Return Index	99.45	4.4	4.4	102.10	9	97.08	2	102.1	97.08
Warsaw Stock Exchange	NCIndex	Total Return Index	219.54	10.5	10.5	219.54	31	199.36	3	219.5	199.36

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	488.86	0.2	0.2	490.08	15	487.02	9	490.08	487.02
Oslo Børs	Governmentbond index 5.00 (ST5X)		6 680.64	n/d	n/d	6 694.43	4	6 661.26	18	6 694.43	6 661.26

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	34 962.98	4.3	4.3	4.3
BME (Spanish Exchanges)	670 963.38	6.1	6.1	6.1
Bucharest Stock Exchange	17 263.95	-4.9	-4.9	-3.5
Budapest Stock Exchange	26 879.47	6.5	6.5	4.7
Bulgarian Stock Exchange	13 603.83	-0.6	-0.6	-0.6
CEESEG - Prague	24 854.77	5.4	5.4	5.3
CEESEG - Vienna	110 888.66	8.7	8.7	8.7
Cyprus Stock Exchange	2 761.90	-4.6	-4.6	-4.6
Deutsche Börse	1 626 916.82	6.1	6.1	6.1
Euronext	3 574 012.00	9.7	9.7	9.7
Luxembourg Stock Exchange	46 921.73	8.5	8.5	8.5
Malta Stock Exchange	4 337.97	-1.8	-1.8	-1.8
NASDAQ Nordics & Baltics	1 228 255.14	6.3	6.3	6.3
Oslo Børs	251 836.58	8.3	8.3	4.9
SIX Swiss Exchange	1 343 048.62	7.0	7.0	7.0
Warsaw Stock Exchange	147 467.93	5.2	5.2	4.8
Zagreb Stock Exchange	18 118.57	0.6	0.6	0.7
TOTAL	9 143 094.30			

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	183	4	187
BME (Spanish Exchanges)	4	0	4	0	0	0	2 972	27	2 999
Bucharest Stock Exchange	0	0	0	n/a	n/a	n/d	83	2	85
Budapest Stock Exchange	0	0	0	0	0	0	43	0	43
Bulgarian Stock Exchange	0	0	0	0	0	0	273	0	273
CEESEEG - Prague	1	0	1	1	0	1	16	38	54
CEESEEG - Vienna	4	1	5	n/a	n/a	n/d	69	609	678
Cyprus Stock Exchange	0	0	0	0	0	0	93	11	104
Deutsche Börse	1	0	1	0	0	0	466	49	515
Euronext	0	0	0	0	0	0	1 099	158	1 257
Luxembourg Stock Exchange	0	1	1	0	1	1	27	136	163
Malta Stock Exchange	n/a	n/a	n/d	n/a	n/a	n/d	25	n/a	25
NASDAQ Nordics & Baltics	1	0	1	1	0	1	975	43	1 018
Oslo Børs	1	0	1	1	0	1	0	0	0
SIX Swiss Exchange	0	0	0	0	0	0	236	34	270
Warsaw Stock Exchange	2	0	2	1	0	1	822	28	850
Zagreb Stock Exchange	0	0	0	0	0	0	127	0	127
TOTAL	14	2	16	4	1	5	7 509	1 139	8 648

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)	4	0	4	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	1	0	1	1	0	1
CEESEG - Vienna	4	1	5	0	0	0
Cyprus Stock Exchange	0	0	0	0	0	0
Deutsche Börse	1	0	1	0	0	0
Euronext	0	0	0	0	0	0
Luxembourg Stock Exchange	0	1	1	0	1	1
Malta Stock Exchange	0	0	0	0	0	0
NASDAQ Nordics & Baltics	1	0	1	1	0	1
Oslo Børs	1	0	1	1	0	1
SIX Swiss Exchange	0	0	0	0	0	0
Warsaw Stock Exchange	2	0	2	1	0	1
Zagreb Stock Exchange	0	0	0	0	0	0
TOTAL	14	2	16	4	1	5

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	0.54	0.00	0.54	0.54	0.00	0.54
BME (Spanish Exchanges)	0.00	0.00	0.00	169.34	0.00	169.34	683.87	0.00	683.87	853.21	0.00	853.21
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	11.99	0.00	11.99	11.99	0.00	11.99
CEESEEG - Prague	0.00	4.23	4.23	0.00	0.00	0.00	0.00	0.00	54.00	0.00	4.23	58.23
CEESEEG - Vienna	0.00	0.00	0.00	50.89	0.00	50.89	0.00	0.00	50.89	50.89	0.00	101.78
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	0.00	0.00	0.00	0.00	0.00	0.00	3 174.00	213.00	3 387.00	3 174.00	213.00	3 387.00
Luxembourg Stock Exchange	13.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	13.00
Malta 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	1.50	0.00	1.50	0.00	0.00	0.00	n/a	n/a	n/d	1.50	0.00	1.50
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	0.07	0.00	0.07	2.45	0.00	2.45	5.28	0.00	5.28	7.80	0.00	7.80
Zagreb Stock Exchange	0.00	0.00	0.00	n/a	n/a	n/d	n/a	n/a	n/d	0.00	0.00	0.00
TOTAL	14.57	4.23	18.80	222.68	0.00	222.68	3 875.68	213.00	4 193.57	4 112.93	217.23	4 435.05

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	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.54	0.54	0.00	0.54
BME (Spanish Exchanges)	0.00	0.00	0.00	169.34	0.00	169.34	683.87	0.00	683.87	853.21	0.00	853.21
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	11.99	0.00	11.99	11.99	0.00	11.99
CEESEG - Prague	0.00	4.23	4.23	0.00	0.00	0.00	0.00	0.00	54.00	0.00	4.23	58.23
CEESEG - Vienna	0.00	0.00	0.00	50.89	0.00	50.89	0.00	0.00	50.89	50.89	0.00	101.78
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	0.00	0.00	0.00	0.00	0.00	0.00	3 174.00	213.00	3 387.00	3 174.00	213.00	3 387.00
Luxembourg Stock Exchange	13.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	13.00
Malta 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	1.50	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	1.50
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	0.07	0.00	0.07	2.45	0.00	2.45	5.28	0.00	5.28	7.80	0.00	7.80
Zagreb 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
TOTAL	14.57	4.23	18.80	222.68	0.00	222.68	3 875.68	213.00	4 193.57	4 112.93	217.23	4 435.05

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	386 427	662.1	15.0	23.2	0.0	n/a	n/a	n/d	112	101.6	34.0	0	0.0	0.0
BME (Spanish Exchanges)	22	3 457 762	37 768.9	5.7	69.5	0.0	n/a	n/a	n/d	7 618	3 084.4	15.8	n/a	n/a	n/d
Boerse Stuttgart	22	81 759	756.2	13.3	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	20	51 962	172.0	-57.2	11.7	0.0	n/a	n/a	n/d	30	40.0	73.9	468	74.0	-33.7
Budapest Stock Exchange	22	142 321	727.7	19.2	33.5	0.0	n/a	n/a	n/d	8	5.1	325.0	0	0.0	-100.0
Bulgarian Stock Exchange	22	4 554	16.6	-60.5	1.5	0.0	n/a	n/a	n/d	n/a	n/a	n/d	12	1.1	19.3
CEESEG - Prague	22	39 717	341.7	21.1	16.9	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
CEESEG - Vienna	22	419 677	2 589.1	-3.3	29.2	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	22	2 098	4.0	53.6	1.7	0.0	n/a	n/a	n/d	3	0.8	n/d	70	1.1	341.7
Deutsche Börse	22	8 971 833	98 972.4	7.6	75.2	0.0	0	0.0	0.0	19 086	1 358.6	27.8	156 664	5 159.0	5.9
Euronext	22	18 059 188	136 719.0	3.6	48.0	0.0	n/a	n/a	n/d	16 480	3 193.0	-59.3	0	0.0	0.0
Luxembourg Stock Exchange	22	632	3.2	-13.7	0.1	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	21	821	7.5	-10.0	2.0	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
NASDAQ Nordics & Baltics	22	11 357 984	52 764.9	18.8	53.1	22.0	23 406	227.0	64.0	4 775	3 431.1	36.1	58 968	654.5	-23.2
Oslo Børs	22	2 061 865	8 032.4	22.4	39.8	22.0	812	3.4	31.0	1 065	487.0	2.6	2	1.0	n/d
SIX Swiss Exchange	21	4 504 246	65 240.0	6.5	60.3	21.0	77 410	1 556.0	12.3	194	1 514.0	170.4	1 722	3 214.8	4.2
Warsaw Stock Exchange	22	1 653 534	4 651.0	34.6	38.8	0.0	n/a	n/a	n/d	216	444.8	610.8	n/a	n/a	n/d
Zagreb Stock Exchange	22	6 810	13.0	-38.4	0.9	0.0	0	0.0	n/d	7	3.2	-27.3	0	0.0	n/d
TOTAL		51 203 190	409 441.7				101 628	1 786.4		49 594	13 663.6		217 906	9 105.4	

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	3 978	3.2	16 335	107.1	689	3.4	411 358	737.5	2 458	0.6
BME (Spanish Exchanges)	140 907	334.1	192 289	9 100.1	n/a	n/a	3 122 142	28 328.0	2 424	6.7
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	0	0.0	0	0.0	0	0.0	130 425	595.6	0	0.0
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	1 437	1.7	2 950	68.4	n/a	n/a	35 330	271.6	n/a	n/a
CEESEG - Vienna	11 865	37.7	39 559	915.7	6 248	14.2	360 997	1 617.8	1 008	3.8
Cyprus Stock Exchange	95	0.1	14	0.0	n/a	n/a	1 987	3.9	n/a	n/a
Deutsche Börse	83 908	1 065.1	271 346	27 239.2	671 511	5 269.8	7 940 061	65 268.5	5 009	129.8
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Luxembourg Stock Exchange	123	0.2	34	0.0	0	0.0	475	3.0	0	0.0
Malta Stock Exchange	59	0.2	5	0.0	n/a	n/a	740	7.2	17	0.0
NASDAQ Nordics & Baltics	217 534	523.3	482 777	12 767.0	4 297	2.6	4 351 425	10 689.0	6 301 951	28 783.5
Oslo Børs	35 459	105.0	87 386	1 973.9	1 504	11.7	1 937 516	5 941.8	n/a	n/a
SIX Swiss Exchange	77 521	1 502.0	293 609	18 820.0	1 796	13.0	4 131 320	44 906.0	1 796	13.0
Warsaw Stock Exchange	32 714	25.8	56 863	683.4	n/a	n/a	1 563 957	3 941.9	n/a	n/a
Zagreb Stock Exchange	200	0.2	175	0.8	308	0.4	6 026	11.6	101	0.0
TOTAL	605 800	3 598.6	1 443 342	71 675.7	686 353	5 315.2	23 993 759	162 323.3	6 314 764	28 937.4

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	11 421	23.4	10.3	n/d	0.0	n/a	n/a	n/d	2	0.1	n/d	0	0.0	0.0
BME (Spanish Exchanges)	22	95 246	374.2	69.8	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	30 616	327.6	17.0	n/d	0.0	//	//	n/d	//	//	n/d	//	//	n/d
Bucharest Stock Exchange	20	341	0.5	-64.3	n/d	0.0	n/a	n/a	n/d	0	0.0	0.0	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	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 - Prague	22	9 901	69.3	-26.5	n/d	0.0	n/a	n/a	n/d	n/a	n/a	n/d	n/a	n/a	n/d
CEESEG - Vienna	22	17 023	103.9	117.8	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	1 423 320	11 050.9	-0.9	n/d	0.0	0	0.0	0.0	45 196	959.2	20.8	499 569	15 019.0	-21.7
Euronext	22	3 814	7.0	-12.5	n/d	0.0	n/a	n/a	n/d	202	7.0	-78.8	0	0.0	0.0
Luxembourg Stock Exchange	22	65	0.5	-87.6	n/d	0.0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta 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
NASDAQ Nordics & Baltics	22	679 614	2 824.6	26.7	n/d	0.0	1 395	13.7	25.7	217	166.2	177.5	590	11.0	-29.0
Oslo Børs	22	389 057	970.4	-0.8	n/d	0.0	125	0.4	-32.3	305	99.1	-21.9	0	0.0	0.0
SIX Swiss Exchange	21	105 419	619.6	25.9	n/d	0.0	1 137	11.1	11.0	1	2.7	n/d	842	6 306.4	21.8
Warsaw Stock Exchange	22	12 443	13.2	-23.1	n/d	0.0	n/a	n/a	n/d	0	0.0	-100.0	n/a	n/a	n/d
Zagreb Stock Exchange	22	0	0.0	n/d	n/d	0.0	0	0.0	n/d	0	0.0	n/d	0	0.0	n/d
TOTAL		2 778 280	16 385.0				2 657	25.2		45 923	1 234.3		501 001	21 336.4	

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	61	0.0	526	1.8	29	0.9	10 782	20.7	23	0.0
BME (Spanish Exchanges)	2 422	8.4	1 932	11.3	n/a	n/a	88 777	349.8	2 115	4.7
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	265	0.7	211	1.1	n/a	n/a	9 425	67.5	n/a	n/a
CEESEG - Vienna	347	1.0	308	1.0	190	0.2	16 053	101.1	125	0.5
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	12 412	100.2	17 958	1 282.0	747 660	4 489.8	644 645	5 175.3	646	3.6
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Luxembourg Stock Exchange	44	0.0	0	0.0	7	0.4	0	0.0	14	0.1
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	9 606	18.9	17 300	274.5	96	0.1	368 066	998.0	284 546	1 533.3
Oslo Børs	6 643	9.1	16 267	128.5	115	0.7	366 032	832.1	n/a	n/a
SIX Swiss Exchange	2 364	14.0	4 931	82.0	418	2.0	97 706	522.0	418	2.0
Warsaw Stock Exchange	278	0.1	405	0.7	n/a	n/a	11 760	12.3	n/a	n/a
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	34 442	152.4	59 838	1 782.9	748 515	4 494.1	1 613 246	8 078.8	287 887	1 544.2

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	22	397 848	685.4	19.0	24.0	0	0	0.0	0.0	114	101.6	-99.1	0	0.0	0.0
BME (Spanish Exchanges)	22	3 553 008	38 143.1	6.8	70.2	0	0	0.0	0.0	7 618	3 084.4	15.8	0	0.0	0.0
Boerse Stuttgart	22	112 375	1 083.8	62.4	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	20	52 303	172.5	-57.1	11.7	0	0	0.0	0.0	30	40.0	-89.0	468	74.0	-33.7
Budapest Stock Exchange	22	142 321	727.7	19.2	33.5	0	0	0.0	0.0	8	5.1	325.0	0	0.0	-100.0
Bulgarian Stock Exchange	22	4 554	16.6	-60.5	1.5	0	0	0.0	0.0	0	0.0	0.0	12	1.1	19.3
CEESEG - Prague	22	49 618	411.0	45.6	20.4	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	22	436 700	2 693.0	0.6	30.3	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	22	2 098	4.0	53.6	1.7	0	0	0.0	0.0	3	0.8	n/d	70	1.1	341.7
Deutsche Börse	22	10 395 153	110 023.3	19.6	83.5	0	0	0.0	0.0	64 282	2 317.8	-99.8	656 233	20 178.0	-96.0
Euronext	22	18 063 002	136 726.0	3.6	48.0	0	0	0.0	0.0	16 682	3 200.0	-72.5	0	0.0	0.0
Luxembourg Stock Exchange	22	697	3.7	-0.3	0.1	0	0	0.0	0.0	//	//	-100.0	0	0.0	0.0
Malta Stock Exchange	21	821	7.5	-10.0	2.0	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	22	12 037 598	55 589.5	25.2	56.0	22	24 801	240.7	-84.3	4 992	3 597.3	-99.5	59 558	665.5	-53.8
Oslo Børs	22	2 450 922	9 002.7	37.2	44.6	22	937	3.9	-97.0	1 370	586.1	-99.8	2	1.0	n/d
SIX Swiss Exchange	21	4 609 665	65 859.6	7.5	60.9	21	78 547	1 567.1	-37.9	195	1 516.7	-98.6	2 564	9 521.2	142.4
Warsaw Stock Exchange	22	1 665 977	4 664.2	34.9	38.9	0	0	0.0	0.0	216	444.8	-96.4	0	0.0	0.0
Zagreb Stock Exchange	22	6 810	13.0	-38.4	0.9	0	0	0.0	0.0	7	3.2	-27.3	0	0.0	0.0
TOTAL		53 981 470	425 826.7				104 285	1 811.7		95 517	14 897.9		718 907	30 441.8	

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	4 039	3.2	16 861	108.8	718	4.3	411 379	2 478.7	24	0.0
BME (Spanish Exchanges)	143 329	342.5	194 221	9 111.4	0	0.0	3 122 492	2 773.8	2 122	4.7
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	130 425	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	1 702	2.5	3 161	69.5	0	0.0	35 397	67.5	0	0.0
CEESEG - Vienna	12 212	38.7	39 867	916.7	6 438	14.4	361 098	1 109.1	129	0.5
Cyprus Stock Exchange	95	0.1	14	0.0	0	0.0	1 987	0.0	0	0.0
Deutsche Börse	96 320	1 165.3	289 304	28 521.2	1 419 171	9 759.6	7 945 236	10 184.3	776	3.6
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	167	0.2	34	0.0	7	0.4	475	0.0	14	0.1
Malta Stock Exchange	59	0.2	5	0.0	0	0.0	740	17.0	0	0.0
NASDAQ Nordics & Baltics	227 140	542.2	500 077	13 041.5	4 393	2.6	4 352 423	6 302 949.0	313 330	1 533.3
Oslo Børs	42 102	114.0	103 653	2 102.4	1 619	12.5	1 938 348	832.1	0	0.0
SIX Swiss Exchange	79 885	1 516.0	298 540	18 902.0	2 214	15.0	4 131 842	2 318.0	431	2.0
Warsaw Stock Exchange	32 992	25.9	57 268	684.1	0	0.0	1 563 969	12.3	0	0.0
Zagreb Stock Exchange	200	0.2	175	0.8	308	0.4	6 026	101.0	0	0.0
TOTAL	640 242	3 751.0	1 503 180	73 458.6	1 434 868	9 809.2	24 001 838	6 322 842.8	316 824	1 544.2

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	22	386 427	662.1	15.0	0.5	0	0	0.0	0.0	112	101.6	34.0	0	0.0	0.0
BME (Spanish Exchanges)	22	3 457 762	37 768.9	5.7	1.4	0	0	0.0	0.0	7 618	3 084.4	15.8	0	0.0	0.0
Boerse Stuttgart	22	81 759	756.2	13.3	n/d	0	//	//	0.0	//	//	0.0	//	//	0.0
Bucharest Stock Exchange	20	51 962	172.0	-57.2	0.2	0	0	0.0	0.0	30	40.0	73.9	468	74.0	-33.7
Budapest Stock Exchange	22	142 321	727.7	19.2	0.6	0	0	0.0	0.0	8	5.1	325.0	0	0.0	-100.0
Bulgarian Stock Exchange	22	4 554	16.6	-60.5	0.0	0	0	0.0	0.0	0	0.0	0.0	12	1.1	19.3
CEESEG - Prague	22	39 717	341.7	21.1	0.3	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	22	419 677	2 589.1	-3.3	0.6	0	//	//	0.0	//	//	0.0	//	//	0.0
Cyprus Stock Exchange	22	2 098	4.0	53.6	0.0	0	0	0.0	0.0	3	0.8	n/d	70	1.1	341.7
Deutsche Börse	22	8 971 833	98 972.4	7.6	1.5	0	0	0.0	0.0	19 086	1 358.6	27.8	156 664	5 159.0	5.9
Euronext	22	18 059 188	136 719.0	3.6	0.9	0	0	0.0	0.0	16 480	3 193.0	-59.3	0	0.0	0.0
Luxembourg Stock Exchange	22	632	3.2	-13.7	0.0	0	0	0.0	0.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	21	821	7.5	-10.0	0.0	0	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	22	11 357 984	52 764.9	18.8	1.0	22	23 406	227.0	64.0	4 775	3 431.1	36.1	58 968	654.5	-23.2
Oslo Børs	22	2 061 865	8 032.4	22.4	0.8	22	812	3.4	31.0	1 065	487.0	2.6	2	1.0	n/d
SIX Swiss Exchange	21	4 504 246	65 240.0	6.5	1.2	21	77 410	1 556.0	12.3	194	1 514.0	170.4	1 722	3 214.8	4.2
Warsaw Stock Exchange	22	1 653 534	4 651.0	34.6	0.8	0	0	0.0	0.0	216	444.8	610.8	0	0.0	0.0
Zagreb Stock Exchange	22	6 810	13.0	-38.4	0.0	0	0	0.0	0.0	7	3.2	-27.3	0	0.0	0.0
TOTAL		51 203 190	409 441.7				101 628	1 786.4		49 594	13 663.6		217 906	9 105.4	

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	3 978	3 978.0	16 335	107.1	689	3.4	411 358	737.5	2 458	0.6
BME (Spanish Exchanges)	140 907	140 907.0	192 289	9 100.1	0	0.0	3 122 142	28 328.0	2 424	6.7
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	130 425	595.6	0	0.0
Bulgarian Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CEESEG - Prague	1 437	1 437.0	2 950	68.4	0	0.0	35 330	271.6	0	0.0
CEESEG - Vienna	11 865	11 865.0	39 559	915.7	6 248	14.2	360 997	1 617.8	1 008	3.8
Cyprus Stock Exchange	95	95.0	14	0.0	0	0.0	1 987	3.9	0	0.0
Deutsche Börse	83 908	83 908.0	271 346	27 239.2	671 511	5 269.8	7 940 061	65 268.5	5 009	129.8
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	123	123.0	34	0.0	0	0.0	475	3.0	0	0.0
Malta Stock Exchange	59	59.0	5	0.0	0	0.0	740	7.2	17	0.0
NASDAQ Nordics & Baltics	217 534	217 534.0	482 777	12 767.0	4 297	2.6	4 351 425	10 689.0	6 301 951	28 783.5
Oslo Børs	35 459	35 459.0	87 386	1 973.9	1 504	11.7	1 937 516	5 941.8	0	0.0
SIX Swiss Exchange	77 521	77 521.0	293 609	18 820.0	1 796	13.0	4 131 320	44 906.0	1 796	13.0
Warsaw Stock Exchange	32 714	32 714.0	56 863	683.4	0	0.0	1 563 957	3 941.9	0	0.0
Zagreb Stock Exchange	200	200.0	175	0.8	308	0.4	6 026	11.6	101	0.0
TOTAL	605 800	605 800.0	1 443 342	71 675.7	686 353	5 315.2	23 993 759	162 323.3	6 314 764	28 937.4

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	22	11 421	23.4	-96	n/d	0	0.0	0	2	0.1	-100	0	0.0	0
BME (Spanish Exchanges)	22	95 246	374.2	-99	n/d	0	0.0	0	0	0.0	-100	0	0.0	0
Boerse Stuttgart	22	30 616	327.6	-51	n/d	//	//	0	//	//	0	//	//	0
Bucharest Stock Exchange	20	341	0.5	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	-100
Budapest Stock Exchange	22	0	0.0	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	-100
Bulgarian Stock Exchange	22	0	0.0	-100	n/d	0	0.0	0	0	0.0	0	0	0.0	-100
CEESEG - Prague	22	9 901	69.3	-75	n/d	0	0.0	0	0	0.0	0	0	0.0	0
CEESEG - Vienna	22	17 023	103.9	-96	n/d	//	//	0	//	//	0	//	//	0
Cyprus Stock Exchange	22	0	0.0	-100	n/d	0	0.0	0	0	0.0	0	0	0.0	-100
Deutsche Börse	22	1 423 320	11 050.9	-88	n/d	0	0.0	0	45 196	959.2	-10	499 569	15 019.0	208
Euronext	22	3 814	7.0	-100	n/d	0	0.0	0	202	7.0	-100	0	0.0	0
Luxembourg Stock Exchange	22	65	0.5	-87	n/d	0	0.0	0	//	//	0	0	0.0	0
Malta Stock Exchange	21	0	0.0	-100	n/d	0	0.0	0	0	0.0	0	0	0.0	0
NASDAQ Nordics & Baltics	22	679 614	2 824.6	-94	n/d	1 395	13.7	-90	217	166.2	-93	590	11.0	-99
Oslo Børs	22	389 057	970.4	-85	n/d	125	0.4	-83	305	99.1	-79	0	0.0	0
SIX Swiss Exchange	21	105 419	619.6	-99	n/d	1 137	11.1	-99	1	2.7	-100	842	6 306.4	104
Warsaw Stock Exchange	22	12 443	13.2	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	0
Zagreb Stock Exchange	22	0	0.0	-100	n/d	0	0.0	0	0	0.0	-100	0	0.0	0
TOTAL		2 778 280	16 385.0			2 657	25.2		45 923	1 234.3		501 001	21 336.4	

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	61	61.0	526	1.8	29	0.9	21	20.7	23	0.0
BME (Spanish Exchanges)	2 422	2 422.0	1 932	11.3	0	0.0	350	349.8	2 115	4.7
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	265	265.0	211	1.1	0	0.0	67	67.5	0	0.0
CEESEG - Vienna	347	347.0	308	1.0	190	0.2	101	101.1	125	0.5
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Deutsche Börse	12 412	12 412.0	17 958	1 282.0	747 660	4 489.8	5 175	5 175.3	646	3.6
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	44	44.0	0	0.0	7	0.4	0	0.0	14	0.1
Malta Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NASDAQ Nordics & Baltics	9 606	9 606.0	17 300	274.5	96	0.1	998	998.0	284 546	1 533.3
Oslo Børs	6 643	6 643.0	16 267	128.5	115	0.7	832	832.1	0	0.0
SIX Swiss Exchange	2 364	2 364.0	4 931	82.0	418	2.0	522	522.0	418	2.0
Warsaw Stock Exchange	278	278.0	405	0.7	0	0.0	12	12.3	0	0.0
Zagreb Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	34 442	34 442.0	59 838	1 782.9	748 515	4 494.1	8 079	8 078.8	287 887	1 544.2

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	
HELLENIC TELECOM. ORGANISATION (CR)	12.12	AB INBEV	35.17	GRINDEKS	62.13
ALPHA BANK A.E (CR)	11.71	KBC	9.54	OLAINFARM	23.44
OPAP (CR)	10.55	UMICORE	7.82	SAF TEHNIKA	6.45
EUROBANK ERGASIAS S.A. (CR)	8.90	UCB	7.06	VALMIERAS STIKLA SKIEDRA	3.23
NATIONAL BANK OF GREECE S.A (CR)	8.34	COLRUYT	5.06	LATVIJAS GAZE	1.48
BME (Spanish Exchanges)		Euronext Dublin		NASDAQ Nordic - Stockholm	
B.SANTANDER	23.43	CRH PLC ORDINARY SHARES	23.97	ERICSSON. TELEFONAB. L M	5.16
AMADEUS	9.87	KERRY GROUP PLC	13.67	NORDEA BANK ABP	4.43
IBERDROLA	7.74	PADDY POWER BETFAIR PLC	10.18	ATLAS COPCO AB	4.25
TELEFÓNICA	6.49	RYANAIR HOLDINGS PLC	9.15	VOLVO. AB	3.99
BBVA	6.17	KINGSPAN GROUP PLC	9.06	HENNES & MAURITZ AB. H & M	3.76
Bucharest Stock Exchange		Euronext Lisbon		NASDAQ Nordic - Tallinn	
BANCA TRANSILVANIA S.A.	50.69	GALP ENERGIA-NOM	28.49	MERKO EHITUS AS	24.37
BRD - GROUPE SOCIETE GENERALE S.A.	12.19	EDP	20.64	TALLINNA KAUBAMAJA GRUPP AS	20.78
FONDUL PROPRIETATEA	9.79	J.MARTINS.SGPS	14.40	TALLINK GRUPP	17.59
OMV PETROM S.A.	6.77	B.COM.PORTUGUES	10.26	AS TALLINNA SADAM	9.08
S.N.G.N. ROMGAZ S.A.	6.46	SONAE	4.83	AS LHV GROUP	8.39
Budapest Stock Exchange		Euronext Paris		NASDAQ Nordic - Vilnius	
OTP	49.20	TOTAL	6.75	SIAULIU BANKAS AB	38.13
RICHTER	18.72	BNP PARIBAS ACT.A	4.92	APRANGA APB	13.35
MOL	17.48	LVMH	4.91	TELIA LIETUVA. AB	10.34
MTELEKOM	4.13	SANOFI	4.15	AUGA GROUP AB	7.14
4IG	1.70	AIRBUS	3.70	GRIGEO AB	5.09
Bulgarian Stock Exchange		Luxembourg Stock Exchange		Oslo Børs	
HOLDING SVETA SOFIA AD-SOFIA	20.84	LUXEMPART	15.58	EQUINOR	12.48
235 HOLDINGS AD-SOFIA	15.47	SOCFINASIA	9.66	TELENOR	7.37
RODNA ZEMYA HOLDING AD-DOBRICH	12.15	SOCFINAF	7.86	MOWI	6.95
ADVANCE TERRAFUND REIT-SOFIA	4.90	APOLLOHOSPITALS GDR	4.75	DNB	6.55
CAPITAL CONCEPT LIMITED AD-SOFIA	3.09	SES FDR	3.92	AKER BP	6.20
CEESEG - Prague		Malta Stock Exchange		SIX Swiss Exchange	
KOMERCNI BANKA	30.51	BANK OF VALLETTA PLC	22.32	NESTLE N	10.75
CEZ	23.80	MALTA INTERNATIONAL AIRPORT PLC	17.79	ROCHE GS	9.96
MONETA MONEY BANK	21.56	GO PLC	10.82	NOVARTIS N	9.69
ERSTE GROUP BANK	11.85	RS2 SOFTWARE PLC	8.97	UBS GROUP N	4.53
O2 C.R.	4.24	SIMONDS FARSONS CISK PLC	6.99	CS GROUP N	3.59
CEESEG - Vienna		NASDAQ Nordic - Copenhagen		Warsaw Stock Exchange	
ERSTE GROUP BANK AG	21.98	NOVO NORDISK A/S	17.47	PKOBP	14.96
VOESTALPINE AG	12.45	VESTAS WIND SYSTEMS A/S	7.61	PEKAO	11.23
OMV AG	11.53	DSV A/S	6.75	PKNORLEN	11.03
VERBUND AG KAT. A	9.26	GENMAB A/S	5.17	PZU	9.36
RAIFFEISEN BANK INTERNAT. AG	7.73	DANSKE BANK A/S	5.12	CDPROJEKT	6.97
Cyprus Stock Exchange		NASDAQ Nordic - Helsinki		Zagreb Stock Exchange	
BANK OF CYPRUS HOLDINGS PLC	51.04	NOKIA OYJ	21.66	ADRIS GRUPA D.D.	24.07
HELLENIC BANK PUBLIC COMPANY LTD	32.48	UPM-KYMMENE OYJ	7.70	VALAMAR RIVIERA D.D.	14.24
VASSILICO CEMENT WORKS PUBLIC COMPANY LTD	4.08	SAMPO OYJ	6.90	HT D.D.	12.13
LOGICOM PUBLIC LTD	3.10	NESTE CORPORATION	6.45	ARENA HOSPITALITY GROUP DD	5.61
DEMETRA INVESTMENT PUBLIC LTD	2.89	KONE OYJ	6.24	MAISTRA D.D.	5.56
Deutsche Börse		NASDAQ Nordic - Iceland			
SIEMENS AG NA	4.62	REITIR FASTEIGNAF?LAG HF.	12.37		
SAP SE O.N.	4.38	MAREL HF.	11.80		
BAYER AG NA O.N.	3.64	S?MINN HF.	10.57		
DT.TELEKOM AG NA	3.57	FESTI HF.	10.53		
WIRECARD AG	3.56	ICELANDAIR GROUP HF.	9.21		

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	113.3	297	0.1	14.3	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansión	Market	MTF	SMEs	109	11 990.6	11 552	26.4	-7.9	n/a	n/a	n/d	n/a	n/a	n/d
Budapest Stock Exchange	BETa	BETa Market			27	997 032.8	719	0.6	-40.0	0	0.0	0.0	0	0.0	0.0
CEESEEG - Prague	START				5	95.6	//	//	0.0	//	//	n/d	0	0.0	0.0
CEESEEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	21	3 082.4	15 678	101.2	145.0	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	36	1 013.4	12	0.2	0.0	//	//	0.0	0	0.0	0.0
Deutsche Börse	Scale	Segment	Rm	SMEs	51	6 893.9	24 623	82.3	-5.1	1 088	7.3	19.7	n/a	n/a	n/d
Euronext	Euronext Growth	Market	MTF	SMEs	229	15 711.0	301 026	376.0	14.3	0	0.0	0.0	0	0.0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	126	1 531.6	50	0.5	400.0	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	Prospects MTF		MTF		1	1.9	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	317	16 937.4	430 101	484.0	11.9	184	65.0	-4.0	66	0.9	80.0
Oslo Børs	Oslo Axess	Market	RM	SMEs	17	590.6	12 722	14.9	n/d	12	1.2	n/d	n/a	n/a	n/d
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	388	1 915.1	82 340	33.7	86.9	9	2.0	8.0	n/a	n/a	n/d
Zagreb Stock Exchange	Progress Market		MTF	SME	2	112.4	//	//	0.0	//	//	0.0	0	0.0	n/d
TOTAL					1 341	1 057 022.0	1 078	1 119.9		205	75.5		66	0.9	

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	0.0	0	0.0	0	0.0	357	0.4	0	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	0	0.0	0	0.0	0	0.0	646	1.0	0	0.0
CEESEEG - Prague	//	//	//	//	//	//	//	//	//	//
CEESEEG - Vienna	365	1.2	82	0.5	131	0.1	14 914	98.7	186	0.6
Cyprus Stock Exchange	n/a	n/a	n/a	n/a	n/a	n/a	12	0.2	n/a	n/a
Deutsche Börse	695	1.7	1 227	3.1	1 331	4.4	21 106	72.0	265	1.1
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	n/a	n/a
Luxembourg Stock Exchange	22	0.0	0	0.0	7	0.4	7	0.0	14	0.1
Malta Stock Exchange	0	0.0	0	0.0	n/a	n/a	0	0.0	0	0.0
NASDAQ Nordics & Baltics	13 740	7.7	7 903	14.5	113	0.1	392 505	444.0	15 840	17.8
Oslo Børs	219	0.2	131	0.4	344	0.4	7 846	11.6	n/a	n/a
Warsaw Stock Exchange	4 365	1.3	4 016	1.3	n/a	n/a	73 959	31.2	n/a	n/a
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	19 411	12.1	13 359	19.8	1 927	5.3	511 352	659.1	16 305	19.6

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	297	0.1	14.3	0	0.0	0	0	0.0	0.0
BME (Spanish Exchanges)	MAB Expansi3n	Market	MTF	SMEs	11 552	26.4	-7.9	0	0.0	0	0	0.0	0.0
Budapest Stock Exchange	BETa	BETa Market			719	0.6	-40.0	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	15 678	101.2	145.0	//	//	//	//	//	//
Cyprus Stock Exchange	Emerging Companies Cyprus (EMERG.CO.CY)	Market	MTF	No specific	12	0.2	0.0	//	//	//	0	0.0	0.0
Deutsche B3rse	Scale	Segment	Rm	SMEs	24 623	82.3	-5.1	1 088	7.3	20	0	0.0	0.0
Euronext	Euronext Growth	Market	MTF	SMEs	301 026	376.0	14.3	0	0.0	0	0	0.0	0.0
Luxembourg Stock Exchange	Euro MTF	Market	MTF	No specific	50	0.5	400.0	//	//	//	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	430 101	484.0	11.9	184	65.0	-4	66	0.9	80.0
Oslo B3rs	Oslo Axess	Market	RM	SMEs	12 722	14.9	n/a	12	1.2	n/a	0	0.0	0.0
Warsaw Stock Exchange	NewConnect	Market	MTF	SMEs	82 340	33.7	86.9	9	2.0	8	0	0.0	0.0
Zagreb Stock Exchange	Progress Market		MTF	SME	//	//	//	//	//	//	0	0.0	0.0
TOTAL					879 121	1 119.9		1 293	75.6		66	0.9	

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		Continuous Trading		Miscellaneous (Unscheduled Auctions)	
	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm	Trades	Turnover EUROm
Athens Exchange	5	0.0	0	0.0	0	0.0	357	0.4	0	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	646	1.0	0	0.0
CEESEEG - Prague	//	//	//	//	//	//	//	//	//	//
CEESEEG - Vienna	365	1.2	82	0.5	131	0.1	14 914	98.7	186	0.6
Cyprus Stock Exchange	0	0.0	0	0.0	0	0.0	12	0.2	0	0.0
Deutsche Börse	695	1.7	1 227	3.1	1 331	4.4	21 106	72.0	265	1.1
Euronext	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	22	0.0	0	0.0	7	0.4	7	0.0	14	0.1
Malta Stock Exchange	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NASDAQ Nordics & Baltics	13 740	7.7	7 903	14.5	113	0.1	392 505	444.0	15 840	17.8
Oslo Børs	219	0.2	131	0.4	344	0.4	7 846	11.6	0	0.0
Warsaw Stock Exchange	4 365	1.3	4 016	1.3	0	0.0	73 959	31.2	0	0.0
Zagreb Stock Exchange	//	//	//	//	//	//	//	//	//	//
TOTAL	19 411	12.1	13 359	19.8	1 927	5.3	511 352	659.1	16 305	19.6

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	2	16.5	65	0.3	59.1	0	0.0	0.0	0	0.0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	1 819	n/a	1 158	18.4	-4.6	//	//	n/d	//	//	n/d
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BOND S	/MTF		27	82.5	5	0.0	-20.0	//	//	0.0	//	//	0.0
Deutsche Börse	Scale	Segment	RM	SME	10	n/a	199	2.0	33.3	7	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		13	56.0	//	//	142.9	//	//	n/d	n/a	n/a	n/d
Warsaw Stock Exchange	Catalyst				325	6 964.6	3 844	29.1	109.1	6	1.9	441.7	n/a	n/a	n/d
TOTAL					2 196	7 119.5	5 335	50.2		13	2.0		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	65	0.3	0	0.0	0	0.0
CEESEG - Vienna	Dritter Markt (MTF)	Market	MTF	No specific	1 158	18.4	//	//	//	//
Cyprus Stock Exchange	EMERG. BONDS	EMERGING/BONDS	/MTF		5	0.0	//	//	//	//
Deutsche Börse	Scale	Segment	RM	SME	199	2.0	7	0.1	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				3 844	29.1	6	1.9	0	0.0
TOTAL					5 335	50.2	13	2.0	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)	1 019	3 339	n/a	30.7	-19.6	n/a	n/a	n/d			n/d
Boerse Stuttgart	n/a	1 782 652	346 566	2 844.8	6.9	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	24	136	3 712	2.4	-63.1	0	0.0	0.0			n/d
Budapest Stock Exchange	21	152	16 616	28.7	7.9	//	//	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	2	//	//	0.0	//	//	n/d	0	0.0	0.0
CEESEEG - Prague	5	72	151	0.6	83.9	//	//	n/d			n/d
CEESEEG - Vienna	690	6 114	2 348	28.7	-16.7	//	//	n/d			n/d
Deutsche Börse	n/a	1 998 649	192 155	1 325.2	-1.0	160 708	1 444.0	0.6	678,247	21,028.0	-59.9
Euronext	23 900	82 244	287 461	772.0	-1.5	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	1 144	7 321	184 513	345.4	-6.7	n/a	n/a	n/d	30	0.4	-97.5
Oslo Børs	0	19	15 349	59.8	39.7	0	0.0	0.0	0	0.0	0.0
SIX Swiss Exchange	3 707	36 864	40 939	678.2	2.9	540	129.6	6.0	867	105.8	30.0
Warsaw Stock Exchange	56	1 176	13 429	20.3	-8.4	0	0.0	0.0			n/d
TOTAL	30 566	3 918 740	1 103 239	1 967.0		540	130.0		679 144	21 134.2	

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)	1 019	0	30.7	0	0.0	0	0.0
Boerse Stuttgart	0	346 566	2,844.8	0	0.0	0	0.0
Bucharest Stock Exchange	24	3 712	2.4	0	0.0	0	0.0
Budapest Stock Exchange	21	16 616	28.7	//	//	0	0.0
Bulgarian Stock Exchange	0	//	//	//	//	0	0.0
CEESEG - Prague	5	151	0.6	//	//	0	0.0
CEESEG - Vienna	690	2 348	28.7	//	//	0	0.0
Deutsche Börse	0	192 155	1,325.2	160 708	1 444.0	678,247	21,028.0
Euronext	23 900	287 461	772.0	0	0.0	0	0.0
Luxembourg Stock Exchange	0	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	1 144	184 513	345.4	0	0.0	30	0.4
Oslo Børs	0	15 349	59.8	0	0.0	0	0.0
SIX Swiss Exchange	3 707	40 939	678.2	540	129.6	867	105.8
Warsaw Stock Exchange	56	13 429	20.3	0	0.0	0	0.0
TOTAL	30 566	1 103 239	6 136.8	540	130.0	679 144	21 134.2

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	13	0.0	-60.0	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	0	6	n/a	202.6	11.6	n/a	n/a	n/d			n/d
Boerse Stuttgart	n/a	1 750	23 443	792.9	-0.6	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	1	239	0.1	-50.0	0	0.0	0.0			n/d
Budapest Stock Exchange	0	1	49	0.2	100.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	11	61	0.1	n/d	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	0	3	//	//	0.0	//	//	0.0	0	0.0	0.0
CEESEG - Vienna	0	97	110	1.0	-11.5	//	//	n/d			n/d
Deutsche Börse	17	1 351	446 778	11 233.7	3.1	12,474	232.7	8.4	109,407	12,417.0	4.6
Euronext	18	1 168	202 491	4 514.0	-6.7	120	640.0	67.1			n/d
Luxembourg Stock Exchange	0	96	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	1	40	46 162	599.6	21.0	173	647.0	257.5	7	0.4	-84.0
Oslo Børs	0	4	12 913	152.1	-7.9	//	//	-96.8	0	0.0	-100.0
SIX Swiss Exchange	10	1 343	84 801	3 901.6	-3.8	145	1,031.3	208.3	600	2,759.5	56.3
Warsaw Stock Exchange	1	4	2 304	4.8	120.7	0	0.0	0.0			n/d
TOTAL	47	5 876	819 364	21 402.6		12 912	2 551.0		110 014	15 176.9	

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	13	0.0	0	0.0	0	0.0
BME (Spanish Exchanges)	0	0	202.6	0	0.0	0	0.0
Boerse Stuttgart	0	23 443	792.9	0	0.0	0	0.0
Bucharest Stock Exchange	0	239	0.1	0	0.0	0	0.0
Budapest Stock Exchange	0	49	0.2	0	0.0	0	0.0
Bulgarian Stock Exchange	0	61	0.1	0	0.0	0	0.0
CEESEG - Prague	0	//	//	//	//	0	0.0
CEESEG - Vienna	0	110	1.0	//	//	0	0.0
Deutsche Börse	17	446 778	11 233.7	12 474	232.7	109,407	12,417.0
Euronext	18	202 491	4 514.0	120	640.0	0	0.0
Luxembourg Stock Exchange	0	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	1	46 162	599.6	173	647.0	7	0.4
Oslo Børs	0	12 913	152.1	//	//	0	0.0
SIX Swiss Exchange	10	84 801	3 901.6	145	1 031.3	600	2,759.5
Warsaw Stock Exchange	1	2 304	4.8	0	0.0	0	0.0
TOTAL	47	819 364	21 402.6	12 913	2 551.0	110 014	15 176.9

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	825.2	7 062	23.6	-21.7	17	13.5	-67.0	0	0.0	0.0
BME (Spanish Exchanges)	0	2 724	23 489.3	//	//	n/d	//	//	n/d			n/d
Boerse Stuttgart	n/a	1 698	n/a	5 413	131.8	22.6	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	0	2	8.0	27	0.0	-66.7	0	0.0	-100.0			n/d
Budapest Stock Exchange	1	76	584.7	667	1.6	100.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	0	3	1.6	6	0.1	-83.3	n/a	n/a	n/d	0	0.0	0.0
CEESEG - Prague	0	35	1 073.2	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	118.1	104	0.1	75.0	0	0.0	0.0	4	0.0	n/d
Deutsche Börse	1	2 864	n/a	8 065	85.0	20.4	1 927	73.2	55.1			n/d
Euronext	47	5 215	n/a	14 044	644.0	n/d	0	0.0	n/d	0	0.0	n/d
Luxembourg Stock Exchange	10	3 935	n/a	0	0.0	0.0	//	//	0.0	0	0.0	0.0
NASDAQ Nordics & Baltics	1	460	62 231.3	51 348	768.9	3.9	17 014	774.3	30.2	4,617	210.8	0.3
SIX Swiss Exchange	0	38	n/a	25 954	531.0	-7.6	20	21.3	-38.3	102	46.1	4.3
Warsaw Stock Exchange	1	34	410.5	508	1.3	27.5	1	0.5	n/d			n/d
TOTAL	61	17 088	88 741.9	113 198	2 187.4		18 979	882.8		4 723	256.9	

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	7 062	23.6	17	13.5	0	0.0
BME (Spanish Exchanges)	0	//	//	//	//	0	0.0
Boerse Stuttgart	0	5 413	131.8	0	0.0	0	0.0
Bucharest Stock Exchange	0	27	0.0	0	0.0	0	0.0
Budapest Stock Exchange	1	667	1.6	0	0.0	0	0.0
Bulgarian Stock Exchange	0	6	0.1	0	0.0	0	0.0
CEESEG - Prague	0	0	0.0	//	//	0	0.0
CEESEG - Vienna	0	0	0.0	//	//	0	0.0
Cyprus Stock Exchange	0	104	0.1	0	0.0	4	0.0
Deutsche Börse	1	8 065	85.0	1 927	73.2	0	0.0
Euronext	47	14 044	644.0	0	0.0	0	0.0
Luxembourg Stock Exchange	10	0	0.0	//	//	0	0.0
NASDAQ Nordics & Baltics	1	51 348	768.9	17 014	774.3	4,617	210.8
SIX Swiss Exchange	0	25 954	531.0	20	21.3	102	46.1
Warsaw Stock Exchange	1	508	1.3	1	0.5	0	0.0
TOTAL	61	113 198	2 187.4	18 979	882.8	4 723	256.9

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	627	8.8	-42.4	0	0.0	0.0	0	0.0	0.0
BME (Spanish Exchanges)	22	3 963	25 820.0	95.2	34 852	1 022 984.0	63.2			n/d
Boerse Stuttgart	22	18 589	952.3	34.9	n/a	n/a	n/d			n/d
Bucharest Stock Exchange	20	37	0.1	-66.7	0	0.0	0.0			n/d
Budapest Stock Exchange	22	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0
Bulgarian Stock Exchange	22	11	0.9	-78.6	n/a	n/a	n/d	12	16.4	235.2
CEESEG - Prague	22	344	46.5	-5.1	n/a	n/a	n/d			n/d
CEESEG - Vienna	22	2 010	35.3	-10.1	//	//	n/d			n/d
Cyprus Stock Exchange	22	31	0.1	40.0	0	0.0	0.0	2	0.2	n/d
Deutsche Börse	22	25 169	437.2	34.2	2 979	259.2	64.6	119,161	423,087,401.5	8,827.4
Euronext	22	4 716	94.0	3.3	0	0.0	0.0			n/d
Luxembourg Stock Exchange	22	188	3.7	-7.5	//	//	0.0	0	0.0	0.0
Malta Stock Exchange	21	1 535	34.0	92.4	n/a	n/a	n/d			n/d
NASDAQ Nordics & Baltics	22	4 130	1 842.5	-32.9	1 613	18 969.3	41.1	29,058	53,439.3	48.1
Oslo Børs	22	93	2 345.2	272.0	3 585	57 592.4	36.8	486	8,276.8	55.0
SIX Swiss Exchange	21	22 327	1 275.2	11.4	9 543	15 965.1	109.9	5,176	10,831.9	231.6
Warsaw Stock Exchange	22	7 199	56.1	73.8	7	3.0	48.2			n/d
Zagreb Stock Exchange	22	//	//	-70.0	//	//	0.0	0	0.0	n/d
TOTAL		91 007	32 955.1		52 579	1 115 772.9		153 895	423 159 966.1	

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	22	627	8.8	0	0.0	0	0.0
BME (Spanish Exchanges)	22	3 963	25 820.0	34 852	1 022 984.0	0	0.0
Boerse Stuttgart	22	18 589	952.3	0	0.0	0	0.0
Bucharest Stock Exchange	20	37	0.1	0	0.0	0	0.0
Budapest Stock Exchange	22	0	0.0	0	0.0	0	0.0
Bulgarian Stock Exchange	22	11	0.9	0	0.0	12	16.4
CEESEG - Prague	22	344	46.5	0	0.0	0	0.0
CEESEG - Vienna	22	2 010	35.3	0	0.0	0	0.0
Cyprus Stock Exchange	22	31	0.1	0	0.0	2	0.2
Deutsche Börse	22	25 169	437.2	2 979	259.2	119,161	423 087 392.0
Euronext	22	4 716	94.0	0	0.0	0	0.0
Luxembourg Stock Exchange	22	188	3.7	0	0.0	0	0.0
Malta Stock Exchange	21	1 535	34.0	0	0.0	0	0.0
NASDAQ Nordics & Baltics	22	4 130	1 842.5	1 613	18 969.3	29,058	53 439.3
Oslo Børs	22	93	2 345.2	3 585	57 592.4	486	8 276.8
SIX Swiss Exchange	21	22 327	1 275.2	9 543	15 965.1	5,176	10 831.9
Warsaw Stock Exchange	22	7 199	56.1	7	3.0	0	0.0
Zagreb Stock Exchange	22	38	3.3	0	0.0	0	0.0
	392	91 007	32 955.1	52 579	1 115 772.9	153 895	423 159 956.7

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	20	0.6	-93.3	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	542	8.0	14.3	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	0	0.0	0.0	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	4	1.1	145.7	0	0.0	-100.0	0	0.0	0.0
Bulgarian Stock Exchange	11	15.8	229.9	0	0.0	0.0	3	0.0	n/d	4	0.0	-99.7	5	1.5	2.1	n/a	n/a	n/d
CEESEG - Prague	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	5	0.1	57.1	339	46.4	-5.2	0	0.0	0.0
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	n/a	n/a	n/d	n/a	n/a	n/d	20	0.0	n/d	n/a	n/a	n/d	5	0.0	-20.0	n/a	n/a	n/d
Euronext	25 332	349.0	5.8	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
Luxembourg Stock Exchange	24	0.2	0.0	10	0.2	0.0	0	0.0	0.0	5	0.0	0.0	124	2.9	-14.7	25	0.4	100.0
Malta Stock Exchange	659	22.4	115.6	n/a	n/a	n/d	n/a	n/a	n/d	86	1.8	170.1	790	9.8	48.0	0	0.0	0.0
NASDAQ Nordics & Baltics	573	4 919.8	20.3	27	112.8	197.3	75	0.1	-38.1	29 903	68 126.5	43.4	377	135.3	34.9	3 846	956.5	76.7
SIX Swiss Exchange	2 098	2 237.0	8.4	439	330.0	26.3	2 022	1 003.0	129.8	1 644	1 962.1	46.5	22 989	6 449.2	41.4	2 678	5 259.0	5 829.0
Warsaw Stock Exchange	878	16.8	155.0	4	0.0	0.0	0	0.0	0.0	1	0.1	0.0	5 960	41.8	53.5	363	0.4	2.8
Zagreb Stock Exchange	6	1.8	-83.8	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	32	1.5	1 400.0	0	0.0	0.0
TOTAL	29 601	7 563.4		480	443.0		2 120	1 003.2		31 652	70 091.8		31 163	6 696.4		6 912	6 216.3	

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	20	0.6	0	0.0	0	0.0	0	0.0	542	8.0	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	0	0.0	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	4	1.1	0	0.0	0	0.0
Bulgarian Stock Exchange	11	15.8	0	0.0	3	0.0	4	0.0	5	1.5	0	0.0
CEESEG - Prague	0	0.0	0	0.0	0	0.0	5	0.1	339	46.4	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	0	0.0	0	0.0	20	0.0	0	0.0	5	0.0	0	0.0
Euronext	25 332	349.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Luxembourg Stock Exchange	24	0.2	10	0.2	0	0.0	5	0.0	124	2.9	25	0.4
Malta Stock Exchange	659	22.4	0	0.0	0	0.0	86	1.8	790	9.8	0	0.0
NASDAQ Nordics & Baltics	573	4 919.8	27	112.8	75	0.1	29 903	68 126.5	377	135.3	3 846	956.5
SIX Swiss Exchange	2 098	2 237.0	439	330.0	2 022	1 003.0	1 644	1 962.1	22 989	6 449.2	2 678	5 259.0
Warsaw Stock Exchange	878	16.8	4	0.0	0	0.0	1	0.1	5 960	41.8	363	0.4
Zagreb Stock Exchange	6	1.8	0	0.0	0	0.0	0	0.0	32	1.5	0	0.0
TOTAL	29 601	7 563.4	480	443.0	2 120	1 003.2	31 652	70 091.8	31 163	6 696.4	6 912	6 216.3

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	4	47	1	989	1	989.0
BME (Spanish Exchanges)	n/a	n/a	n/a	n/a	n/a	n/a	3 078	n/a	62 896	0	62 896.0
Boerse Stuttgart	n/a	n/a	n/a	n/a	n/a	n/a	26 203	n/a	n/a	0	0.0
Bucharest Stock Exchange	21	37	2	7	n/a	n/a	9	n/a	n/a	0	0.0
Budapest Stock Exchange	22	0	0	41	32	7	102	1	247	1	247.3
Bulgarian Stock Exchange	16	0	3	20	43	0	82	0	0	0	0.0
CEESEG - Prague	23	1	0	33	57	n/a	114	2	1 204	2	1 204.0
CEESEG - Vienna	n/a	n/a	n/a	n/a	n/a	n/a	3 617	50	4 481	50	4 480.6
Cyprus Stock Exchange	22	n/a	n/a	2	30	n/a	54	1	96	1	95.6
Deutsche Börse	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	44	0	44.0
Deutsche Börse	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	45	0	44.0
Euronext	649	n/a	n/a	n/a	n/a	39 633	40 302	724	n/a	724	0.0
Luxembourg Stock Exchange	777	1 615	0	1 217	4 852	23 687	32 148	778	114 825	778	114 825.0
Malta Stock Exchange	46	n/a	n/a	13	74	27	160	9	119	9	119.0
NASDAQ Nordics & Baltics	166	235	5	1 862	1 054	4 268	7 590	92	1 918	92	1 918.2
SIX Swiss Exchange	655	165	64	253	1 634	886	3 657	28	5 679	28	5 678.8
Warsaw Stock Exchange	46	77	0	55	366	29	573	7	n/a	7	0.0
Zagreb Stock Exchange	14	0	0	0	11	0	25	0	n/a	0	0.0
TOTAL	2 488	2 130	75	3 503	8 164	68 541.0	117 761.0	1 693.0	192 542.1	1 693.0	192 541.5

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	989.0
BME (Spanish Exchanges)	0	62 896.0
Boerse Stuttgart	0	0.0
Bucharest Stock Exchange	0	0.0
Budapest Stock Exchange	1	247.3
Bulgarian Stock Exchange	0	0.0
CEESEG - Prague	2	1 204.0
CEESEG - Vienna	50	4 480.6
Cyprus Stock Exchange	1	95.6
Deutsche Börse	0	44.0
Deutsche Börse	0	44.0
Euronext	724	0.0
Luxembourg Stock Exchange	778	114 825.0
Malta Stock Exchange	9	119.0
NASDAQ Nordics & Baltics	92	1 918.2
SIX Swiss Exchange	28	5 678.8
Warsaw Stock Exchange	7	0.0
Zagreb Stock Exchange	0	0.0
TOTAL	1 693	192 541.5

Table 12: Exchange Rates

National Currencies Movements against the EURO

Exchange	Currency	EURO 1 = Month End	% Change MoM
Bucharest Stock Exchange	Romanian Lei	4.7348	1.52
Budapest Stock Exchange	Hungarian forint	315.8700	-1.75
Bulgarian Stock Exchange	Bulgarian lev	1.9558	0.00
CEESEG - Prague	Czech koruna	25.7600	-0.08
NASDAQ Nordic - Copenhagen	Danish krone	7.4648	-0.04
NASDAQ Nordic - Iceland	Icelandic krona	137.1871	2.98
NASDAQ Nordic - Stockholm	Swedish krona	10.3697	0.92
NASDAQ Nordic - Vilnius	Lithuanian litas	3.4569	0.00
Oslo Børs	Norwegian krone	9.6623	-3.12
SIX Swiss Exchange	Swiss franc	1.1295	-0.05
Warsaw Stock Exchange	Polish zloty	4.2802	-0.39
Zagreb Stock Exchange	Croatian Kuna	7.4227	0.06

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	1 230	0.1	1 161	387 343	55.9	274 401	3 942	13.0	1 690	26 876	88.8	3 597
Spanish Exchanges (BME)	Spain	22	1 306 256	1 179.0	6 789 647	1 767 053	824.0	1 286 178	181 019	1 562.0	838 572	630 005	45 466.0	145 471
EUREX	Germany/Switzerland	22	17 270 119	70 841.3	54 550 151	16 570 890	46 523.6	15 981 353	35 346 442	1 087 757.9	44 786 826	34 344 632	1 475 764.2	9 932 879
Euronext		22	5 889 261	20 061.0	14 329 140	13 435	150.0	289 442	1 450 605	71 427.0	811 333	3 261 839	193 514.0	607 169
ICE Futures Europe		22	869 707	13 748.0	3 206 738	1 557 959	184 303.0	924 375	1 205 670	1 711.0	2 045 158	1 221 996	173 252.0	855 360
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	2 380 563	2 571.5	3 399 305	538 328	620.4	574 968	466 299	6 604.4	483 394	3 317 034	46 572.5	581 165
Warsaw Stock Exchange	Poland	22	n/a	n/a	n/a	105 683	211.6	19 466	18 091	99.0	15 689	332 147	3 622.0	57 924
TOTAL			27 717 136	108 401.0	82 276 142	20 940 691	232 688.4	19 350 183	38 672 068	1 169 174.3	48 982 662	43 134 529	1 938 279.5	12 183 565

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	22	1 230	0.1	387 343	55.9	3 942	13.0	26 876	88.8
Spanish Exchanges (BME)	Spain	22	1 306 256	1 179.0	1 767 053	824.0	181 019	1 562.0	630 005	45 466.0
EUREX	Germany/Switzerland	22	17 270 120	70 841.3	16 570 890	46 523.6	35 346 440	1 087 757.9	34 344 632	1 475 764.2
Euronext		22	5 889 261	20 061.0	13 435	150.0	1 450 605	71 427.0	3 261 839	193 514.0
ICE Futures Europe		22	869 707	13 748.0	1 557 959	184 303.0	1 205 670	1 711.0	1 221 996	173 252.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	2 380 563	2 571.5	538 328	620.4	466 299	6 604.4	3 317 034	46 572.5
Warsaw Stock Exchange	Poland	22	n/a	n/a	105 683	211.6	18 091	99.0	332 147	3 622.0
TOTAL			27 717 137	108 401.0	20 940 691	232 688.4	38 672 066	1 169 174.3	43 134 529	1 938 279.5

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	5 456 063	794 001.5	2 367 062	35 524 172	5 087 905.7	6 657 169
ICE Futures Europe		22	7 632 263	5 671 480.0	16 061 504	37 250 846	26 989 492.0	10 139 948
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	676 361	65 224.7	n/a	845 438	81 529.6	1 612 673
Warsaw Stock Exchange	Poland	22	n/a	n/a	2	0	0.0	101
TOTAL			13 764 687	6 530 706.2	18 428 568	73 620 456.0	32 158 927	18 409 891.0

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	22	5 456 063	794 001.5	35 524 172	5 087 905.5
ICE Futures Europe		22	7 632 263	5 671 480.0	37 250 848	26 989 492.0
NASDAQ OMX Nordic	Denmark/Sweden/Finland/Iceland	22	676 361	65 224.7	845 438	81 529.6
Warsaw Stock Exchange	Poland	22	n/a	n/a	0	0.0
TOTAL			13 764 687	6 530 706.2	73 620 458	32 158 927.1

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
Deutsche Börse		22	353 847	931.9	1 151 340	392 321	18 045.8	1 766 028	6 811	344.1	3 609.0
Euronext		22	53 985	580.0	225 099	848 801	10 570.0	457 904			
ICE Futures Europe		22	2 347 796	3 763.0	4 098 603	36 301 790	1 733 440.0	9 434 795			
TOTAL			2 755 628	5 274.9	5 475 042	37 542 912	1 762 055.8	11 658 727	6 811	344.1	3 609

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		22	0	0.0	0	0.0	0	0.0
Deutsche Börse		22	353 847	931.9	392 321	18 045.8	6 811	344.1
Euronext		22	53 985	580.0	848 801	10 570.0		
ICE Futures Europe		22	2 347 796	3 763.0	36 301 792	1 733 440.0		
TOTAL			2 755 628	5 274.9	37 542 914	1 762 055.8	6 811	344.1

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	56
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	49	49	0
CEESEEG - Prague	n/a	n/a	n/a	18	18	17
CEESEEG - Vienna	0	0	n/a	80	80	0
Cyprus Stock Exchange	0	0	0	16	5	n/a
Deutsche Börse	16	11	599	222	136	573
Euronext	n/a	n/a	n/a	n/a	n/a	n/a
Luxembourg Stock Exchange	0	0	0	26	26	0
Malta Stock Exchange	n/a	n/a	n/a	18	19	n/a
NASDAQ Nordics & Baltics	1	0	2	121	85	86
Oslo Børs	0	0	0	37	17	29
SIX Swiss Exchange	n/a	n/a	n/a	99	99	99
Warsaw Stock Exchange	1	1	0	51	51	32
Zagreb Stock Exchange	0	0	0	15	15	0

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