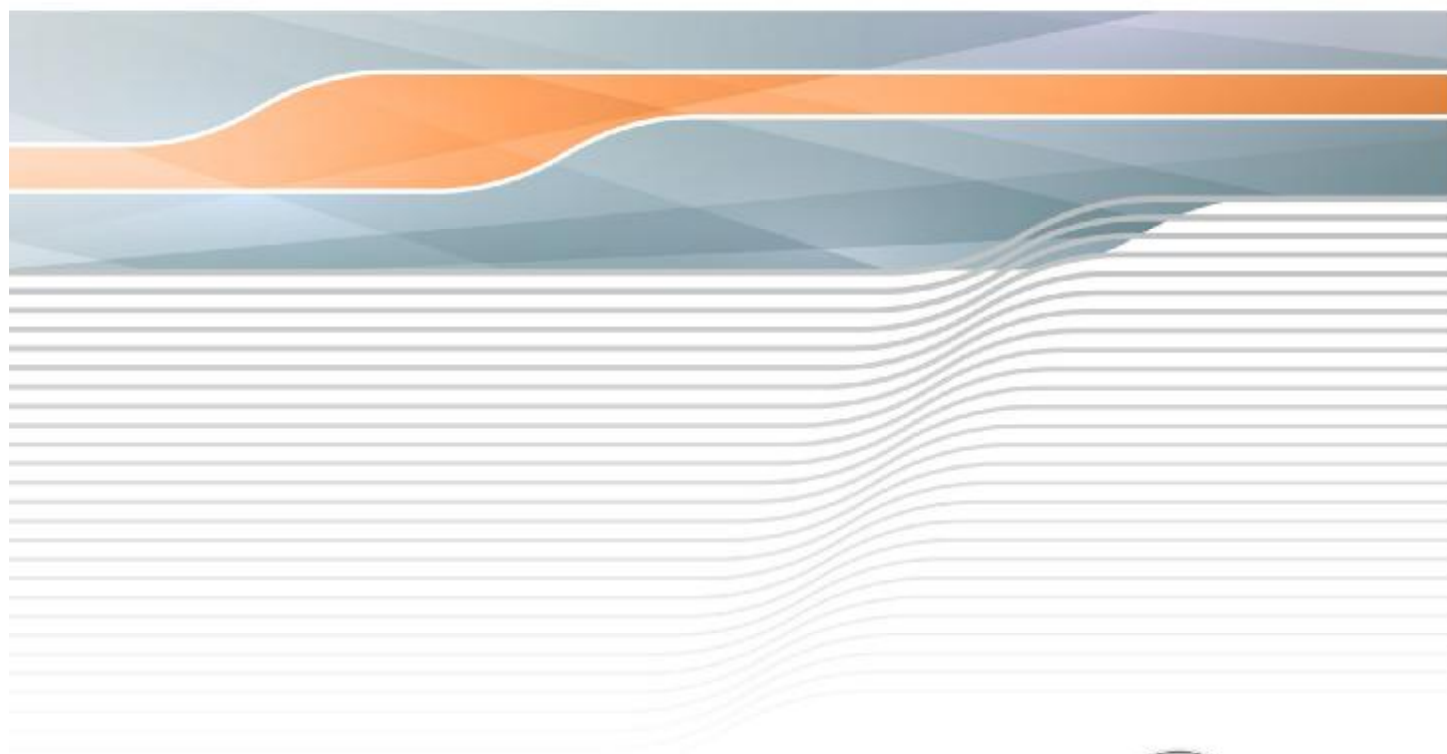


# 19

**Securities Market**  
Monthly Statistical Bulletin  
**AXIA NUMBERS**  
**September**



**ATHEXGROUP**  
Athens Exchange Group



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### Clarifications and further information

Statistics & Information Services  
Market Operation & Development Division  
Tel.: +30 210 3366800  
e-mail: [InformationServicesDpt@athexgroup.gr](mailto:InformationServicesDpt@athexgroup.gr)

### Statistical data processing

Statistics & Information Services  
Market Operation & Development Division

### Translation- Layout design

Statistics & Information Services  
Market Operation & Development Division

## NOTES

### Type of Issue:

Monthly Statistics Bulletin is available through Athens Exchange Group <http://www.helex.gr/web/guest/info-markets-activity-publications-axianumbers-sec> and in .pdf format. Any copy/paste of data in other texts can be done by using Text Selection tool from Acrobat Reader with the requirement of the prior reference of the source: ATHEXGROUP , *Monthly Statistics Bulletin, September 2019*.

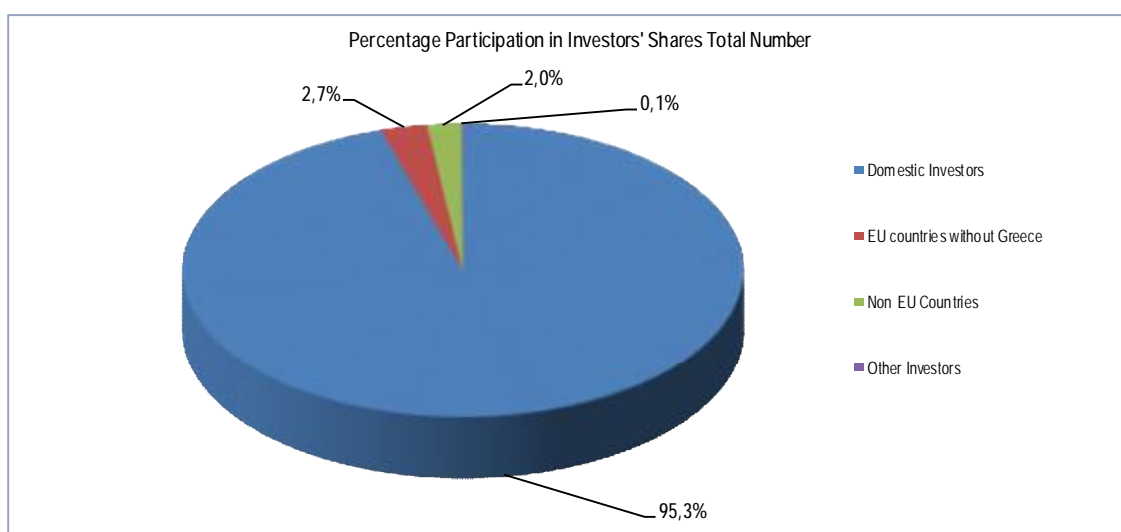
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## 1 General Investors' Shares Data

### 1.1 Investors' Shares Total Number

Investors' Shares Total Number					
Date	Investors' Categories				
	Domestic Investors	Foreign Investors		Other Investors	Total
		EU countries without Greece	Non EU Countries		
30/09/2019	1.394.263	38.860	28.790	1.024	1.462.937



### 1.2 New Investors Shares

Investors' Categories	Number Of New Investor Shares	
	Greek investors	Foreign investors
Physical persons	448	36
Legal entities	7	91
Total / RC	455	127
<b>Total</b>	<b>582</b>	

RC : Registered Country

### 1.3 Investors Shares' Historical Statistics

	Number Of New Investor Shares													
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	3.223	4.013	3.052	4.101	2.861	3.497	1.925	1.607	1.338	1.659	708	584	888	569
February	2.564	2.297	2.522	4.018	5.027	3.071	2.248	1.571	1.054	2.313	978	543	672	594
March	3.229	3.685	1.858	4.450	3.062	2.415	3.251	1.378	1.121	1.399	759	2.543	1.023	1.444
April	3.260	2.974	2.304	3.542	5.646	1.881	1.232	2.537	3.374	1.130	502	522	681	617
May	9.892	2.122	2.073	3.644	3.043	2.371	1.825	5.238	1.308	1.137	636	735	948	770
June	14.662	9.153	1.710	3.231	2.373	2.296	2.521	5.891	969	1.485	648	2.200	656	783
July	5.027	3.605	2.621	3.144	3.393	1.764	1.245	1.422	1.027	289	626	840	590	1.117
August	2.208	3.331	1.488	2.348	1.467	2.467	1.038	938	888	979	431	579	584	626
September	2.869	1.939	1.873	2.599	3.460	2.423	1.416	1.070	1.159	804	487	590	599	582
October	4.709	3.031	6.505	2.932	3.697	2.318	1.892	1.314	980	677	489	566	621	
November	2.982	2.847	6.465	2.674	2.810	2.456	1.546	1.206	941	3.112	529	595	618	
December	2.042	2.221	3.022	2.922	1.872	1.442	1.045	1.195	1.075	3.524	548	588	427	

	Number Of Deactivated Investor Shares													
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
January	725	630	269	301	237	375	113	164	136	163	400	199	195	146
February	838	272	238	452	95	159	146	146	97	130	257	152	159	322
March	841	559	288	203	212	214	107	210	237	148	356	200	181	178
April	510	207	296	298	168	350.093	163	157	98	135	260	133	108	122
May	748	260	140	268	65	5.722	87	133	118	119	201	138	182	508
June	1.334	205	316	194	237	176	112	180	228	159	281	112	173	90
July	2.098	279	303	257	186	68	126	191	141	122	191	122	108	158
August	88.775	464	205	258	103	104	160	85	86	233	239	85	139	76
September	147.995	226	178	122	69	266	254	205	115.265	4.535	313.961	2.453	16.425	23.934
October	87.071	278	253	84	118	96	121	23.246	151	222	243	125	171	
November	237	296	135	78	239	392	103	154	116	155	388	199	156	
December	194	253	259	364	231	131	52	154	224	224	189	82	100	

#### Notes:

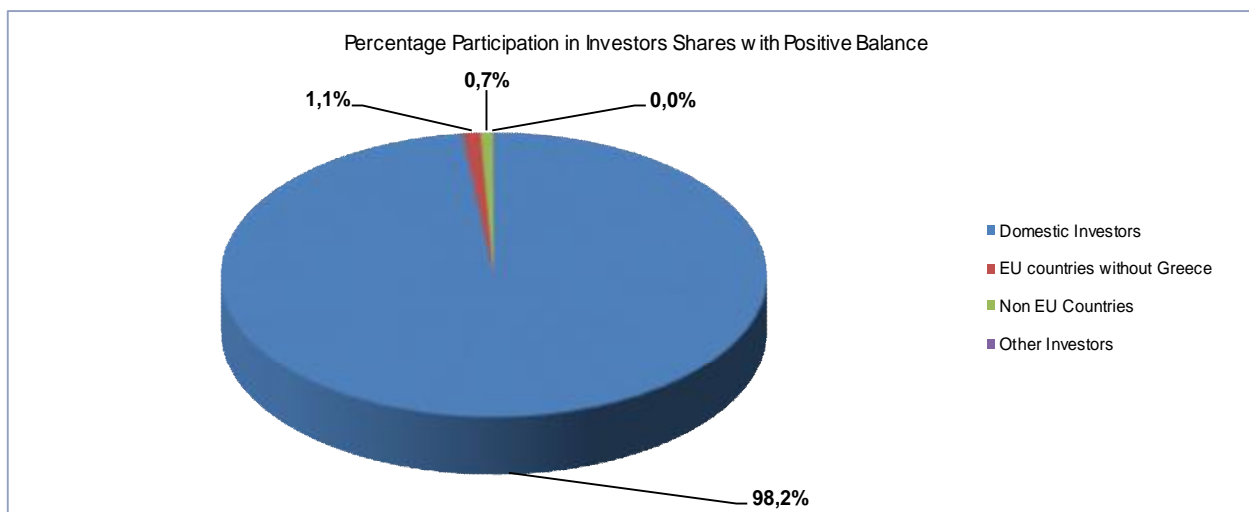
1. New Investor Shares also include the Non-appeared Investor Shares (October 2004- Non-appeared Investor Shares 2.549) i.e. the Investor Shares that have been opened from the issuers concerning those shareholders that did not dematerialized their shares according to the registration of data held at that time.
2. The category Physical persons includes co-owners and joint investors shares.
3. Deactivated Investor Shares are those that have been closed the specific period of time. The actual total number of Investor Shares in DSS, equals the total number of the new Investors' Shares (table 1.1) minus the total number of deactivated Investor Shares (table 1.2).
4. The increased number of Investor Shares in 2003 results from the issuance and registration of Special Saving Bonds held in DSS. The increased number of Deactivated Investor Shares from August to October 2006 as well as in April & May 2011 and October 2013, September 2013, 2014, 2015, 2016, 2017, 2018 and 2019 derives from the gradual application of article 18.1.aa, Dematerialised Securities Stock Exchange Transactions Clearing and Settlement Regulation and the decision 243/15-09-2004 of CSD's Board of Directors, which states that any Investor Share without positive balance and no transaction of any kind within a period of three (3) years, shall be deactivated.

#### 1.4 Investors Shares with Positive Balance

Investors Shares with Positive Balance					
(Data of: 30/09/2019)	Investors' Categories				
	Domestic Investors	Foreign Investors		Other Investors	Total
		EU countries without Greece	Non EU Countries		
Total Number of Investors Shares with Positive Balance	568.954	6.141	4.276	193	579.564

##### *Investors Shares with Positive Balance to*

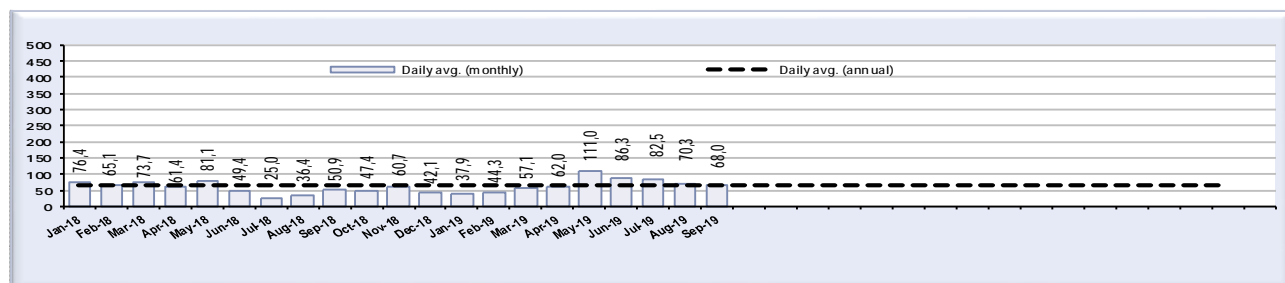
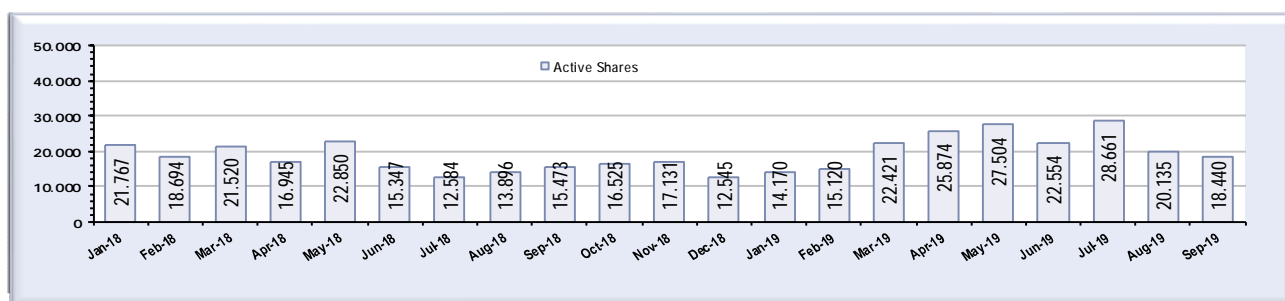
ATHEX Shares	556.066	5.857	4.229	184	566.336
XNET Shares	1.222	338	41	0	1.601
ATHEX Bonds	27.340	83	45	14	27.482
XNET Bonds	1	0	0	0	1
ATHEX Rights	0	0	0	0	0
XNET Rights	0	0	0	0	0
ATHEX GDRs	268	4	0	1	273
ATHEX ETFs	507	9	11	0	527
XNET ETFs	0	0	0	0	0
ATHEX Derivatives	1.694	28	6	0	1.728
ATHEX Warrants	0	0	0	0	0
XNET Warrants	1	1	2	0	4



## 2 Mobility of Active Investors

### 2.1 Historical Data of Mobility of Active Investors

Mobility of Active Investors			
Month - Year	Active Shares	Turnover	
	Total	Daily avg. (monthly) (mil. €)	Daily avg. (annual) (mil. €)
Jan-18	21.767	76,4	76,4
Feb-18	18.694	65,1	71,2
Mar-18	21.520	73,7	72,0
Apr-18	16.945	61,4	69,6
May-18	22.850	81,1	72,0
Jun-18	15.347	49,4	68,1
Jul-18	12.584	25,0	61,5
Aug-18	13.896	36,4	58,2
Sep-18	15.473	50,9	57,4
Oct-18	16.525	47,4	56,3
Nov-18	17.131	60,7	56,7
Dec-18	12.545	42,1	55,7
Jan-19	14.170	37,9	37,9
Feb-19	15.120	44,3	40,9
Mar-19	22.421	57,1	46,0
Apr-19	25.874	62,0	49,6
May-19	27.504	111,0	63,0
Jun-19	22.554	86,3	66,7
Jul-19	28.661	82,5	69,2
Aug-19	20.135	70,3	69,4
Sep-19	18.440	68,0	69,2



#### Notes:

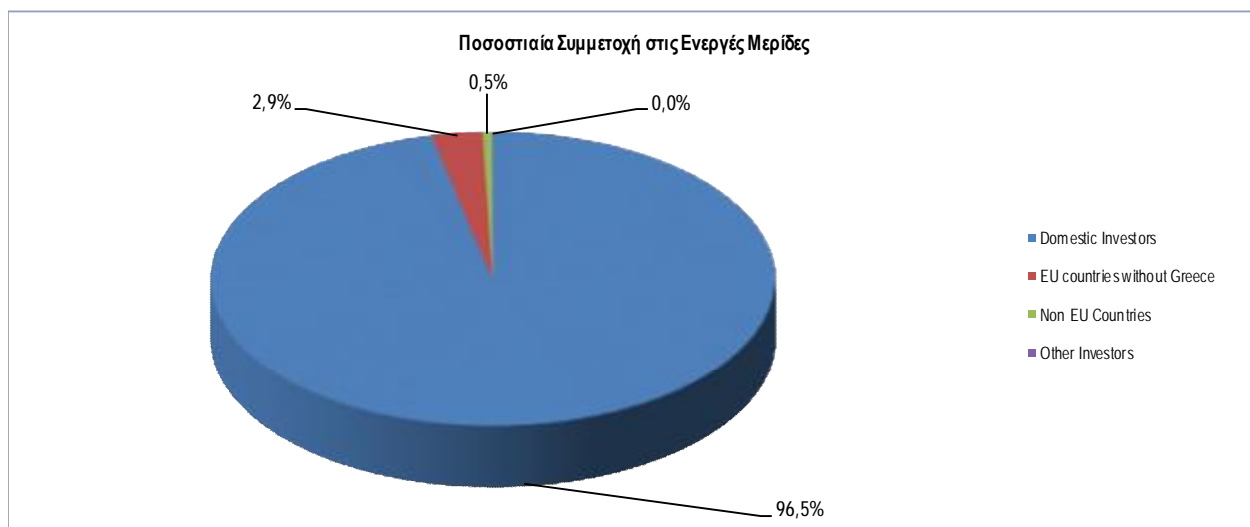
- Active Shares: the number of shares that made at least one move during the month (sell or buy).
- Daily Average of Active Shares: the number of shares that moved during the month divided by the number of trading days.
- In the calculation of Daily Average of Turnover, blocks of securities without revenues are included.

## 2.2 Active Investors Shares Analysis

Active Investors Shares					
(02/09/2019-30/09/2019)	Investors' Categories				
	Domestic Investors	Foreign Investors		Other Investors	Total
		EU countries without Greece	Non EU Countries		
Total Number of Active Investors Shares	17.803	533	99	5	18.440

### Active Investors Shares to

ATHEX Shares	17.375	486	91	5	17.957
XNET Shares	125	55	6	0	186
ATHEX Bonds	552	7	3	0	562
XNET Bonds	0	0	0	0	0
ATHEX Rights	0	0	0	0	0
XNET Rights	0	0	0	0	0
ATHEX GDRs	45	1	0	0	46
ATHEX ETFs	31	2	0	0	33
ATHEX Derivatives	2.138	33	8	0	2.179
ATHEX Warrants	0	0	0	0	0
XNET Warrants	0	0	0	0	0





## 2.3 Analysis of the Monthly Trading Activity in Athex Market per Investor Category

### 2.3.1 Analysis of the Monthly Trading Activity in Total of Listed Equities of Athex Market per Investor Category

Total of Listed Equities (02/09/2019-30/09/2019)	Buys				Sells				net		net	
	Active Shares		Transactions Value		Active Shares		Transactions Value				(2019)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)		(mil. €)	
I. Domestic Investors	11,974	96,63	608,21	46,25	13,646	96,57	659,16	50,12	-50,95	S	-194,56	S
Households	11,773	95,01	272,08	20,69	13,443	95,13	308,78	23,48	-36,71	S	-53,30	S
Insurance Corporations	7	0,06	4,16	0,32	4	0,03	3,24	0,25	0,92	B	24,79	B
Pension funds	4	0,03	1,09	0,08	2	0,01	0,62	0,05	0,47	B	14,14	B
Money Market Funds (MMFs)	13	0,10	11,47	0,87	11	0,08	9,76	0,74	1,72	B	90,26	B
Non-MMF Investment Funds	48	0,39	53,14	4,04	48	0,34	40,09	3,05	13,05	B	133,99	B
Deposit-taking corporations	10	0,08	47,85	3,64	13	0,09	67,25	5,11	-19,41	S	-460,01	S
Other Financial Intermediaries, except insurance corporations & pension funds	42	0,34	205,39	15,62	44	0,31	217,39	16,53	-12,01	S	14,72	B
Non-Profit Institutions serving Households	6	0,05	1,73	0,13	4	0,03	0,48	0,04	1,26	B	3,35	B
Non-Financial corporations	71	0,57	11,31	0,86	77	0,54	11,55	0,88	-0,24	S	37,60	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,07	S
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
II. Foreign Investors	414	3,34	706,87	53,75	482	3,41	655,93	49,88	50,95	B	194,65	B
Households	281	2,27	11,18	0,85	326	2,31	13,96	1,06	-2,79	S	-11,96	S
Insurance Corporations	1	0,01	0,02	0,00	1	0,01	0,02	0,00	0,00	B	-9,03	S
Pension funds	2	0,02	0,24	0,02	4	0,03	0,55	0,04	-0,31	S	-2,45	S
Money Market Funds (MMFs)	7	0,06	5,39	0,41	9	0,06	6,87	0,52	-1,48	S	-12,95	S
Non-MMF Investment Funds	23	0,19	14,05	1,07	23	0,16	25,28	1,92	-11,24	S	-0,46	S
Deposit-taking corporations	27	0,22	260,79	19,83	28	0,20	203,50	15,47	57,29	B	-43,55	S
Other Financial Intermediaries, except insurance corporations & pension funds	31	0,25	315,42	23,98	39	0,28	333,37	25,35	-17,96	S	-65,17	S
Non-Profit Institutions serving Households	1	0,01	0,21	0,02	1	0,01	0,05	0,00	0,16	B	-1,54	S
Non-Financial corporations	36	0,29	29,75	2,26	46	0,33	26,44	2,01	3,31	B	437,91	B
Central Government	1	0,01	1,73	0,13	0	0,00	0,00	0,00	1,73	B	8,17	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	4	0,03	68,09	5,18	5	0,04	45,88	3,49	22,22	B	-104,33	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
III. Other Not Identified	3	0,02	0,01	0,00	3	0,02	0,01	0,00	0,00	S	-0,09	S
TOTALS	12,391	100,00	1,315,10	100,00	14,131	100,00	1,315,10	100,00				



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### 2.3.2 Analysis of the Monthly Trading Activity in Main Market Category of Athex Market per Investor Category

Main Market (02/09/2019-30/09/2019)	Buys				Sells				net		net (2019)	
	Active Shares		Transactions Value		Active Shares		Transactions Value		(mil. €)		(mil. €)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%				
I. Domestic Investors	11,579	96,56	576,13	45,36	13,075	96,49	620,47	48,85	-44,34	S	-189,96	S
Households	11,400	95,07	262,18	20,64	12,898	95,19	290,43	22,87	-28,25	S	-55,56	S
Insurance Corporations	6	0,05	1,88	0,15	4	0,03	3,24	0,26	-1,37	S	20,44	B
Pension funds	3	0,03	0,94	0,07	1	0,01	0,29	0,02	0,65	B	11,71	B
Money Market Funds (MMFs)	9	0,08	8,35	0,66	10	0,07	9,61	0,76	-1,26	S	79,61	B
Non-MMF Investment Funds	44	0,37	46,57	3,67	44	0,32	37,85	2,98	8,71	B	124,34	B
Deposit-taking corporations	6	0,05	39,87	3,14	7	0,05	51,36	4,04	-11,49	S	-426,74	S
Other Financial Intermediaries, except insurance corporations & pension funds	39	0,33	203,86	16,05	39	0,29	216,71	17,06	-12,85	S	11,09	B
Non-Profit Institutions serving Households	4	0,03	1,28	0,10	4	0,03	0,48	0,04	0,81	B	1,68	B
Non-Financial corporations	68	0,57	11,20	0,88	68	0,50	10,49	0,83	0,70	B	43,56	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,08	S
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
II. Foreign Investors	409	3,41	693,91	54,64	472	3,48	649,57	51,15	44,34	B	190,01	B
Households	279	2,33	11,12	0,88	320	2,36	13,89	1,09	-2,77	S	-12,09	S
Insurance Corporations	1	0,01	0,02	0,00	1	0,01	0,02	0,00	0,00	B	-8,98	S
Pension funds	2	0,02	0,24	0,02	4	0,03	0,55	0,04	-0,31	S	-2,50	S
Money Market Funds (MMFs)	7	0,06	5,39	0,42	9	0,07	6,83	0,54	-1,44	S	-13,30	S
Non-MMF Investment Funds	23	0,19	14,05	1,11	22	0,16	25,17	1,98	-11,12	S	0,94	B
Deposit-taking corporations	25	0,21	253,07	19,93	26	0,19	201,26	15,85	51,81	B	-48,49	S
Other Financial Intermediaries, except insurance corporations & pension funds	31	0,26	311,23	24,51	39	0,29	330,78	26,04	-19,55	S	-66,61	S
Non-Profit Institutions serving Households	1	0,01	0,21	0,02	1	0,01	0,05	0,00	0,16	B	-1,54	S
Non-Financial corporations	35	0,29	29,58	2,33	45	0,33	25,41	2,00	4,17	B	438,88	B
Central Government	1	0,01	1,73	0,14	0	0,00	0,00	0,00	1,73	B	8,17	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	4	0,03	67,27	5,30	5	0,04	45,61	3,59	21,66	B	-104,47	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
III. Other Not Identified	3	0,03	0,01	0,00	3	0,02	0,01	0,00	0,00	S	0,85	B
TOTALS	11,991	100,00	1,270,05	100,00	13,550	100,00	1,270,05	100,00				



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### 2.3.3 Analysis of the Monthly Trading Activity in FTSE / Athex Large Cap per Investor Category

FTSE/Athex Large Cap (02/09/2019-30/09/2019)	Buys				Sells				net		net (2019)	
	Active Shares		Transactions Value		Active Shares		Transactions Value		net		net (2019)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)		(mil. €)	
<b>I. Domestic Investors</b>	<b>9,186</b>	<b>96,37</b>	<b>499,13</b>	<b>42,00</b>	<b>10,836</b>	<b>96,36</b>	<b>547,39</b>	<b>46,06</b>	<b>-48,26</b>	<b>S</b>	<b>215,47</b>	<b>B</b>
Households	9,026	94,69	205,65	17,30	10,682	94,99	238,90	20,10	-33,25	S	-26,13	S
Insurance Corporations	4	0,04	1,58	0,13	4	0,04	3,04	0,26	-1,46	S	16,12	B
Pension funds	3	0,03	0,96	0,08	1	0,01	0,28	0,02	0,68	B	11,41	B
Money Market Funds (MMFs)	9	0,09	6,54	0,55	8	0,07	8,61	0,72	-2,07	S	75,35	B
Non-MMF Investment Funds	42	0,44	39,89	3,36	42	0,37	33,92	2,85	5,96	B	105,55	B
Deposit-taking corporations	6	0,06	40,38	3,40	6	0,05	49,54	4,17	-9,15	S	-29,84	S
Other Financial Intermediaries, except insurance corporations & pension funds	34	0,36	192,35	16,18	37	0,33	204,75	17,23	-12,40	S	5,60	B
Non-Profit Institutions serving Households	3	0,03	1,27	0,11	2	0,02	0,45	0,04	0,82	B	1,76	B
Non-Financial corporations	59	0,62	10,50	0,88	54	0,48	7,89	0,66	2,61	B	55,69	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,03	S
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	<b>343</b>	<b>3,60</b>	<b>689,32</b>	<b>58,00</b>	<b>406</b>	<b>3,61</b>	<b>641,06</b>	<b>53,94</b>	<b>48,26</b>	<b>B</b>	<b>-215,44</b>	<b>S</b>
Households	228	2,39	9,30	0,78	273	2,43	12,28	1,03	-2,99	S	-8,07	S
Insurance Corporations	0	0,00	0,00	0,00	1	0,01	0,02	0,00	-0,02	S	-9,27	S
Pension funds	1	0,01	0,09	0,01	3	0,03	0,26	0,02	-0,17	S	-2,29	S
Money Market Funds (MMFs)	7	0,07	4,46	0,38	8	0,07	6,66	0,56	-2,20	S	-12,98	S
Non-MMF Investment Funds	21	0,22	13,59	1,14	17	0,15	23,31	1,96	-9,72	S	5,51	B
Deposit-taking corporations	24	0,25	253,15	21,30	23	0,20	197,74	16,64	55,42	B	-41,02	S
Other Financial Intermediaries, except insurance corporations & pension funds	28	0,29	310,69	26,14	37	0,33	330,54	27,81	-19,85	S	-107,38	S
Non-Profit Institutions serving Households	1	0,01	0,21	0,02	0	0,00	0,00	0,00	0,21	B	-3,32	S
Non-Financial corporations	28	0,29	28,80	2,42	39	0,35	25,01	2,10	3,79	B	55,34	B
Central Government	1	0,01	1,73	0,15	0	0,00	0,00	0,00	1,73	B	8,17	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	4	0,04	67,29	5,66	5	0,04	45,24	3,81	22,05	B	-100,14	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	<b>3</b>	<b>0,03</b>	<b>0,01</b>	<b>0,00</b>	<b>3</b>	<b>0,03</b>	<b>0,01</b>	<b>0,00</b>	<b>0,00</b>	<b>B</b>	<b>-0,02</b>	<b>S</b>
<b>TOTALS</b>	<b>9,532</b>	<b>100,00</b>	<b>1,188,46</b>	<b>100,00</b>	<b>11,245</b>	<b>100,00</b>	<b>1,188,46</b>	<b>100,00</b>				



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## 2.3.4 Analysis of the Monthly Trading Activity in FTSE / Athex Mid Cap per Investor Category

FTSE/Athex Mid Cap (02/09/2019-30/09/2019)	Buys				Sells				net		net	
	Active Shares		Transactions Value		Active Shares		Transactions Value					
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)		(mil. €)	
<b>I. Domestic Investors</b>	3,756	96,26	38,23	87,52	3,568	96,22	38,81	88,84	-0,58	S	-5,39	S
Households	3,690	94,57	27,83	63,71	3,499	94,36	26,42	60,48	1,41	B	0,94	B
Insurance Corporations	1	0,03	0,16	0,37	1	0,03	0,08	0,19	0,08	B	0,22	B
Pension funds	0	0,00	0,00	0,00	1	0,03	0,01	0,01	-0,01	S	0,59	B
Money Market Funds (MMFs)	4	0,10	0,65	1,49	4	0,11	0,72	1,66	-0,07	S	1,94	B
Non-MMF Investment Funds	14	0,36	2,18	5,00	20	0,54	1,92	4,39	0,27	B	6,27	B
Deposit-taking corporations	2	0,05	0,01	0,03	1	0,03	0,03	0,07	-0,02	S	-2,06	S
Other Financial Intermediaries, except insurance corporations & pension funds	23	0,59	6,88	15,75	20	0,54	7,26	16,62	-0,38	S	1,82	B
Non-Profit Institutions serving Households	2	0,05	0,01	0,03	1	0,03	0,00	0,00	0,01	B	0,03	B
Non-Financial corporations	20	0,51	0,50	1,15	21	0,57	2,37	5,42	-1,87	S	-15,13	S
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	146	3,74	5,45	12,48	140	3,78	4,88	11,16	0,58	B	5,37	B
Households	113	2,90	1,55	3,54	107	2,89	1,44	3,30	0,11	B	0,36	B
Insurance Corporations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,04	B
Pension funds	0	0,00	0,00	0,00	1	0,03	0,07	0,16	-0,07	S	-0,12	S
Money Market Funds (MMFs)	1	0,03	0,01	0,03	1	0,03	0,14	0,33	-0,13	S	-0,41	S
Non-MMF Investment Funds	3	0,08	0,39	0,90	3	0,08	0,42	0,96	-0,02	S	-0,41	S
Deposit-taking corporations	6	0,15	1,51	3,46	7	0,19	1,44	3,31	0,07	B	-1,16	S
Other Financial Intermediaries, except insurance corporations & pension funds	14	0,36	1,69	3,88	12	0,32	0,68	1,57	1,01	B	-0,08	S
Non-Profit Institutions serving Households	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Non-Financial corporations	7	0,18	0,17	0,39	7	0,19	0,24	0,55	-0,07	S	7,58	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	2	0,05	0,12	0,28	2	0,05	0,44	1,00	-0,31	S	-0,43	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,02	B
<b>TOTALS</b>	3,902	100,00	43,69	100,00	3,708	100,00	43,69	100,00				



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### 2.3.5 Analysis of the Monthly Trading Activity in FTSE / Athex Mid-Small Cap Factor-Weighted Index per Investor Category

FTSE/Athex Mid-Small Cap Factor-Weighted Index (02/09/2019-30/09/2019)	Buys				Sells				net		net	
	Active Shares		Transactions Value		Active Shares		Transactions Value				(2019)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)		(mil. €)	
<b>I. Domestic Investors</b>	1,317	96,84	23,05	83,83	1,192	96,99	20,81	75,69	2,24	B	3,21	B
Households	1,267	93,16	17,05	62,03	1,154	93,90	14,43	52,48	2,63	B	-5,06	S
Insurance Corporations	1	0,07	0,00	0,02	1	0,08	0,03	0,10	-0,02	S	0,21	B
Pension funds	1	0,07	0,00	0,01	0	0,00	0,00	0,00	0,00	B	0,12	B
Money Market Funds (MMFs)	3	0,22	0,49	1,77	4	0,33	0,37	1,35	0,12	B	1,36	B
Non-MMF Investment Funds	22	1,62	3,23	11,73	15	1,22	1,91	6,96	1,31	B	8,16	B
Deposit-taking corporations	0	0,00	0,00	0,00	1	0,08	0,07	0,25	-0,07	S	-0,19	S
Other Financial Intermediaries, except insurance corporations & pension funds	12	0,88	2,05	7,45	11	0,90	2,16	7,85	-0,11	S	0,43	B
Non-Profit Institutions serving Households	1	0,07	0,00	0,00	1	0,08	0,00	0,00	0,00	S	0,00	B
Non-Financial corporations	10	0,74	0,23	0,82	5	0,41	1,84	6,69	-1,61	S	-1,84	S
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,02	B
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	43	3,16	4,44	16,17	37	3,01	6,68	24,31	-2,24	S	-3,21	S
Households	14	1,03	0,15	0,53	10	0,81	0,13	0,49	0,01	B	-5,68	S
Insurance Corporations	1	0,07	0,02	0,06	0	0,00	0,00	0,00	0,02	B	0,13	B
Pension funds	1	0,07	0,00	0,00	0	0,00	0,00	0,00	0,00	B	-0,24	S
Money Market Funds (MMFs)	0	0,00	0,00	0,00	2	0,16	0,03	0,11	-0,03	S	-1,26	S
Non-MMF Investment Funds	1	0,07	0,07	0,24	4	0,33	1,44	5,23	-1,37	S	-9,13	S
Deposit-taking corporations	4	0,29	0,83	3,02	4	0,33	3,08	11,19	-2,25	S	-1,75	S
Other Financial Intermediaries, except insurance corporations & pension funds	13	0,96	2,35	8,54	10	0,81	1,19	4,31	1,16	B	11,97	B
Non-Profit Institutions serving Households	0	0,00	0,00	0,00	1	0,08	0,05	0,19	-0,05	S	1,78	B
Non-Financial corporations	8	0,59	0,57	2,07	5	0,41	0,68	2,48	-0,11	S	0,83	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	1	0,07	0,47	1,72	1	0,08	0,09	0,32	0,39	B	0,13	B
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	S
<b>TOTALS</b>	1,360	100,00	27,49	100,00	1,229	100,00	27,49	100,00				



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### 2.3.6 Analysis of the Monthly Trading Activity in FTSE / Athex Market Index per Investor Category

FTSE/Athex Market Index (02/09/2019-30/09/2019)	Buys				Sells				net		net	
	Active Shares		Transactions Value		Active Shares		Transactions Value					
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)		(mil. €)	
<b>Investors' Categories</b>												
<b>I. Domestic Investors</b>	10.842	96,47	542,11	43,82	12.322	96,39	590,68	47,75	-48,57	S	210,75	B
Households	10.672	94,96	237,67	19,21	12.152	95,06	269,31	21,77	-31,64	S	-24,87	S
Insurance Corporations	4	0,04	1,74	0,14	4	0,03	3,12	0,25	-1,38	S	16,32	B
Pension funds	3	0,03	0,96	0,08	1	0,01	0,29	0,02	0,68	B	12,02	B
Money Market Funds (MMFs)	9	0,08	7,23	0,58	9	0,07	9,34	0,75	-2,11	S	77,33	B
Non-MMF Investment Funds	43	0,38	42,07	3,40	44	0,34	35,85	2,90	6,22	B	112,39	B
Deposit-taking corporations	6	0,05	40,40	3,27	6	0,05	49,57	4,01	-9,17	S	-32,24	S
Other Financial Intermediaries, except insurance corporations & pension funds	36	0,32	199,73	16,15	39	0,31	212,44	17,17	-12,71	S	7,12	B
Non-Profit Institutions serving Households	4	0,04	1,28	0,10	3	0,02	0,46	0,04	0,83	B	1,79	B
Non-Financial corporations	65	0,58	11,02	0,89	64	0,50	10,30	0,83	0,72	B	40,94	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,03	S
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	394	3,51	694,94	56,18	458	3,58	646,37	52,25	48,57	B	-210,75	S
Households	272	2,42	10,91	0,88	315	2,46	13,76	1,11	-2,86	S	-7,67	S
Insurance Corporations	0	0,00	0,00	0,00	1	0,01	0,02	0,00	-0,02	S	-9,16	S
Pension funds	1	0,01	0,09	0,01	4	0,03	0,33	0,03	-0,24	S	-2,39	S
Money Market Funds (MMFs)	7	0,06	4,48	0,36	9	0,07	6,80	0,55	-2,33	S	-13,38	S
Non-MMF Investment Funds	23	0,20	13,98	1,13	18	0,14	23,73	1,92	-9,75	S	5,43	B
Deposit-taking corporations	25	0,22	254,72	20,59	25	0,20	199,26	16,11	55,47	B	-42,75	S
Other Financial Intermediaries, except insurance corporations & pension funds	29	0,26	312,40	25,25	39	0,31	331,25	26,78	-18,84	S	-108,05	S
Non-Profit Institutions serving Households	1	0,01	0,21	0,02	0	0,00	0,00	0,00	0,21	B	-3,11	S
Non-Financial corporations	31	0,28	28,99	2,34	42	0,33	25,54	2,06	3,46	B	62,67	B
Central Government	1	0,01	1,73	0,14	0	0,00	0,00	0,00	1,73	B	8,17	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	4	0,04	67,42	5,45	5	0,04	45,68	3,69	21,74	B	-100,52	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	3	0,03	0,01	0,00	3	0,02	0,01	0,00	0,00	B	-0,01	S
<b>TOTALS</b>	11.239	100,00	1.237,06	100,00	12.783	100,00	1.237,06	100,00				



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### 2.3.7 Analysis of the Monthly Trading Activity in FTSE / Athex Global Traders Index Plus per Investor Category

FTSE/Athex Global Traders Index Plus (02/09/2019-30/09/2019)	Buys				Sells				net		net (2019)	
	Active Shares		Transactions Value		Active Shares		Transactions Value		(mil. €)		(mil. €)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%				
<b>I. Domestic Investors</b>	5,905	96,57	129,64	52,58	4,892	97,31	116,68	47,33	12,95	B	59,74	B
Households	5,790	94,69	67,29	27,29	4,788	95,25	52,39	21,25	14,90	B	10,94	B
Insurance Corporations	4	0,07	1,05	0,43	2	0,04	1,57	0,64	-0,52	S	17,04	B
Pension funds	3	0,05	0,34	0,14	1	0,02	0,06	0,02	0,28	B	-3,46	S
Money Market Funds (MMFs)	6	0,10	1,24	0,50	7	0,14	1,99	0,81	-0,75	S	8,52	B
Non-MMF Investment Funds	31	0,51	10,99	4,46	36	0,72	10,04	4,07	0,95	B	27,99	B
Deposit-taking corporations	5	0,08	7,62	3,09	4	0,08	7,99	3,24	-0,37	S	-5,99	S
Other Financial Intermediaries, except insurance corporations & pension funds	28	0,46	38,38	15,57	27	0,54	40,24	16,32	-1,86	S	6,49	B
Non-Profit Institutions serving Households	4	0,07	1,06	0,43	2	0,04	0,04	0,02	1,01	B	1,82	B
Non-Financial corporations	34	0,56	1,67	0,68	25	0,50	2,37	0,96	-0,70	S	-3,63	S
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,05	B
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	209	3,42	116,92	47,42	135	2,69	129,87	52,67	-12,96	S	-59,69	S
Households	125	2,04	2,90	1,18	67	1,33	2,17	0,88	0,73	B	2,27	B
Insurance Corporations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,12	B
Pension funds	1	0,02	0,01	0,01	2	0,04	0,25	0,10	-0,24	S	-1,75	S
Money Market Funds (MMFs)	3	0,05	0,30	0,12	3	0,06	0,91	0,37	-0,61	S	5,42	B
Non-MMF Investment Funds	9	0,15	1,34	0,54	6	0,12	1,20	0,49	0,14	B	-23,91	S
Deposit-taking corporations	21	0,34	30,21	12,25	16	0,32	42,79	17,36	-12,58	S	-58,65	S
Other Financial Intermediaries, except insurance corporations & pension funds	25	0,41	65,63	26,62	25	0,50	68,76	27,89	-3,12	S	39,66	B
Non-Profit Institutions serving Households	1	0,02	0,21	0,09	0	0,00	0,00	0,00	0,21	B	-2,57	S
Non-Financial corporations	20	0,33	5,06	2,05	13	0,26	5,10	2,07	-0,04	S	-21,93	S
Central Government	1	0,02	1,73	0,70	0	0,00	0,00	0,00	1,73	B	2,25	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	3	0,05	9,51	3,86	3	0,06	8,69	3,53	0,81	B	-0,62	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	1	0,02	0,01	0,00	0	0,00	0,00	0,00	0,01	B	-0,05	S
<b>TOTALS</b>	6,115	100,00	246,56	100,00	5,027	100,00	246,56	100,00				



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### 2.3.8 Analysis of the Monthly Trading Activity in Medium & Small Price Index per Investor Category

Medium & Small Cap Price Index (02/09/2019-30/09/2019)	Buys				Sells				net		net (2019)	
	Active Shares		Transactions Value		Active Shares		Transactions Value		(mil. €)		(mil. €)	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%				
<b>Investors' Categories</b>												
<b>I. Domestic Investors</b>	1,248	97,58	5,17	83,36	1,137	98,10	5,58	90,03	-0,41	S	-6,29	S
Households	1,218	95,23	4,55	73,38	1,120	96,64	5,24	84,53	-0,69	S	-7,67	S
Insurance Corporations	2	0,16	0,02	0,30	1	0,09	0,00	0,06	0,02	B	0,28	B
Pension funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Money Market Funds (MMFs)	3	0,23	0,08	1,29	1	0,09	0,02	0,37	0,06	B	-0,05	S
Non-MMF Investment Funds	12	0,94	0,19	3,04	4	0,35	0,05	0,88	0,13	B	1,03	B
Deposit-taking corporations	1	0,08	0,00	0,08	0	0,00	0,00	0,00	0,00	B	-0,28	S
Other Financial Intermediaries, except insurance corporations & pension funds	7	0,55	0,30	4,82	7	0,60	0,24	3,80	0,06	B	0,57	B
Non-Profit Institutions serving Households	1	0,08	0,00	0,01	1	0,09	0,00	0,01	0,00	S	0,00	S
Non-Financial corporations	4	0,31	0,03	0,45	3	0,26	0,02	0,38	0,00	B	-0,18	S
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>II. Foreign Investors</b>	31	2,42	1,03	16,64	22	1,90	0,62	9,97	0,41	B	6,30	B
Households	18	1,41	0,11	1,84	11	0,95	0,04	0,63	0,08	B	-5,93	S
Insurance Corporations	1	0,08	0,02	0,25	0	0,00	0,00	0,00	0,02	B	0,08	B
Pension funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Money Market Funds (MMFs)	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,06	B
Non-MMF Investment Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	-0,01	S
Deposit-taking corporations	1	0,08	0,11	1,84	4	0,35	0,15	2,46	-0,04	S	-1,13	S
Other Financial Intermediaries, except insurance corporations & pension funds	4	0,31	0,67	10,88	2	0,17	0,00	0,08	0,67	B	10,66	B
Non-Profit Institutions serving Households	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Non-Financial corporations	6	0,47	0,06	1,02	5	0,43	0,42	6,81	-0,36	S	2,88	B
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Institutions and bodies of the European Union	1	0,08	0,05	0,81	0	0,00	0,00	0,00	0,05	B	-0,31	S
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	B
<b>III. Other Not Identified</b>	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	-	0,00	S
<b>TOTALS</b>	1,279	100,00	6,20	100,00	1,159	100,00	6,20	100,00				

Note for section tables: Data processing for indices does not take under consideration transactions of rights arising from the securities.





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### 2.3.9 Analysis of the Greek Investors Trading Activity based on Geographical Allocation

Greek investors	Buys				Sells				net	
(02/09/2019-30/09/2019)	Active Shares		Transactions Value		Active Shares		Transactions Value			
Regions	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)	
Attica	6.280	52,45	499,33	82,10	7.037	51,57	535,32	81,21	-36,00	S
Central Macedonia	1.292	10,79	25,09	4,13	1.520	11,14	28,21	4,28	-3,12	S
Crete	463	3,87	10,78	1,77	560	4,10	12,13	1,84	-1,35	S
Thessaly	537	4,48	10,45	1,72	618	4,53	11,18	1,70	-0,74	S
East Macedonia - Thrace	316	2,64	4,85	0,80	366	2,68	5,00	0,76	-0,14	S
Peloponnese	432	3,61	7,53	1,24	513	3,76	8,91	1,35	-1,38	S
Stereia Ellada	245	2,05	5,39	0,89	301	2,21	5,60	0,85	-0,20	S
West Greece	359	3,00	5,25	0,86	400	2,93	4,85	0,74	0,40	B
Epirus	222	1,85	3,17	0,52	271	1,99	4,00	0,61	-0,83	S
West Macedonia	177	1,48	2,65	0,44	238	1,74	3,73	0,57	-1,09	S
South Aegean	150	1,25	3,56	0,59	177	1,30	3,97	0,60	-0,41	S
Ionian Islands	118	0,99	2,34	0,38	143	1,05	2,96	0,45	-0,62	S
North Aegean	81	0,68	0,94	0,15	95	0,70	0,92	0,14	0,02	B
Invalid Postal Codes	1.302	10,87	26,88	4,42	1.407	10,31	32,38	4,91	-5,50	S
Total	11.974	100,00	608,21	100,00	13.646	100,00	659,16	100,00	-50,95	S

#### Notes:

1. Geographical allocation of Investor Shares is based upon segregation of Greece in districts, according to the Ministry of Internal Affairs data.
2. The above clarification concerns Investor Shares owned by Greek nationals, according to their relevant statement and based on the postal data codes declared in the Investor Shares.
3. Districts appear in declining order upon transactions value.

### 2.3.10 Analysis of the Trading Activity of Investors without Identified Nationality

Other (not identified) (02/09/2019-30/09/2019)	Buys				Sells				net
	Active Shares		Transactions Value		Active Shares		Transactions Value		
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	
Countries									(mil. €)
Other not Identified	3	-	0,01	-	3	-	0,01	-	0,00 S

#### Notes:

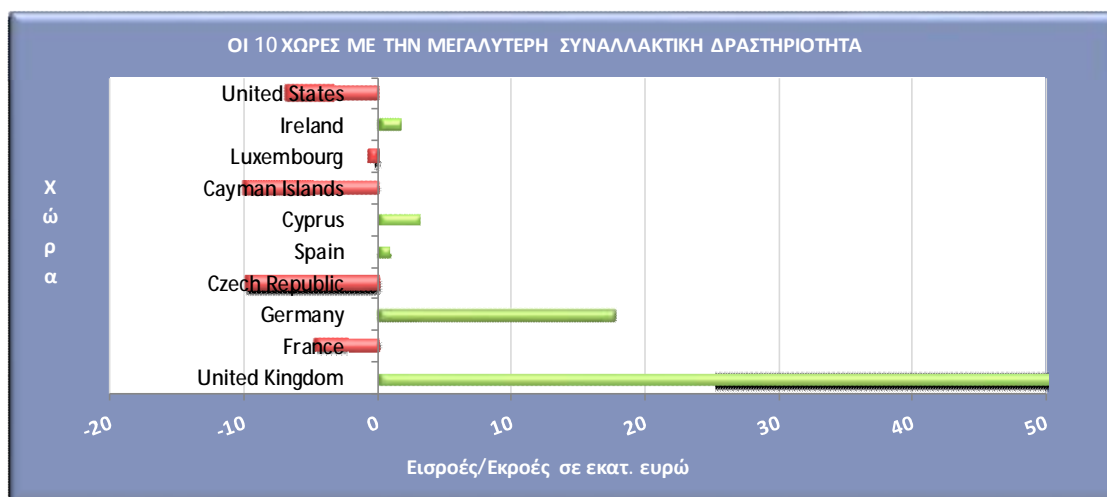
1. The above classification concerns Investor Shares that have not declared any tax nationality
2. The above data coincide with category III Other Investors of paragraph 1.3.1 Analysis of the Monthly Investor's Mobility in ATHEX based on Investor Type.



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### 2.3.11 Analysis of the Foreign Investors Trading Activity based on Geographical Allocation

Foreign investors (02/09/2019-30/09/2019)	Buys				Sells				net	
	Active Shares		Transactions Value		Active Shares		Transactions Value			
	Countries	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)
The top 30 countries with the biggest transactions value	413	99,76	706,87	100,00	479	99,38	655,92	100,00	50,95	B
United Kingdom	24	5,80	448,36	63,43	31	6,43	395,46	60,29	52,89	B
France	10	2,42	63,01	8,91	11	2,28	67,79	10,33	-4,77	S
Germany	5	1,21	62,26	8,81	5	1,04	44,55	6,79	17,71	B
Czech Republic	1	0,24	33,77	4,78	2	0,41	43,65	6,65	-9,87	S
Spain	1	0,24	27,95	3,95	2	0,41	26,95	4,11	1,00	B
Cyprus	296	71,50	23,49	3,32	334	69,29	20,29	3,09	3,20	B
Cayman Islands	12	2,90	11,11	1,57	9	1,87	21,12	3,22	-10,01	S
Luxembourg	11	2,66	8,35	1,18	11	2,28	9,11	1,39	-0,76	S
Ireland	2	0,48	8,94	1,27	6	1,24	7,18	1,09	1,77	B
United States	9	2,17	3,13	0,44	15	3,11	10,06	1,53	-6,93	S
Marshall Islands	6	1,45	2,52	0,36	9	1,87	3,58	0,55	-1,06	S
Austria	3	0,72	4,18	0,59	4	0,83	0,17	0,03	4,01	B
Switzerland	7	1,69	2,09	0,30	10	2,07	2,13	0,32	-0,04	S
Turkey	1	0,24	0,21	0,03	3	0,62	1,57	0,24	-1,36	S
United Arab Emirates	2	0,48	1,73	0,25	0	0,00	0,00	0,00	1,73	B
Canada	2	0,48	1,67	0,24	0	0,00	0,00	0,00	1,67	B
Sweden	1	0,24	1,46	0,21	1	0,21	0,00	0,00	1,46	B
Bulgary	5	1,21	0,65	0,09	4	0,83	0,67	0,10	-0,02	S
Liberia	5	1,21	0,50	0,07	9	1,87	0,62	0,09	-0,12	S
Norway	1	0,24	0,98	0,14	0	0,00	0,00	0,00	0,98	B
British Virgin Islands	1	0,24	0,02	0,00	3	0,62	0,86	0,13	-0,84	S
Principality of Monaco	1	0,24	0,26	0,04	2	0,41	0,01	0,00	0,25	B
Croatia	1	0,24	0,09	0,01	0	0,00	0,00	0,00	0,09	B
Guernsey	1	0,24	0,05	0,01	1	0,21	0,04	0,01	0,01	B
Italy	1	0,24	0,03	0,00	2	0,41	0,05	0,01	-0,01	S
South Africa	0	0,00	0,00	0,00	1	0,21	0,03	0,00	-0,03	S
Albania	1	0,24	0,00	0,00	2	0,41	0,02	0,00	-0,01	S
	1	0,24	0,02	0,00	0	0,00	0,00	0,00	0,02	B
Australia	2	0,48	0,01	0,00	1	0,21	0,00	0,00	0,00	B
Hong Kong	0	0,00	0,00	0,00	1	0,21	0,01	0,00	-0,01	S
Other Countries	1	0,24	0,01	0,00	3	0,62	0,01	0,00	0,00	B
Total	414	100,00	706,87	100,00	482	100,00	655,92	100,00	50,95	B
Total EU without Greece	361	87,20	682,57	96,56	414	85,89	615,87	93,89	66,70	A
Non EU Countries	53	12,80	24,31	3,44	68	14,11	40,05	6,11	-15,75	A



#### Notes:

- The above clarification concerns Investor Shares with other nationalities excluding Greek.
- The above clarification is done according to the countries' codes in ISO 3166-1:1997.
- Countries appear in declining order upon transactions value.

### 3 Investors' Participation

#### 3.1 Equities – Data of September 2019

##### 3.1.1 Total Listed Equities and Main Categories

Capitalization  (Data of: 30/09/2019)	Total of Listed Equities						Main Market					
	Shares balanced		Capitalization (incl HFSF)		Capitalization (excl HFSF)		Shares balanced		Capitalization (incl HFSF)		Capitalization (excl HFSF)	
	Number	%	(mil. €)	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)	%
<b>I. Domestic Investors</b>	<b>552.115</b>	<b>98,18</b>	<b>16.147,62</b>	<b>35,29</b>	<b>14.424,29</b>	<b>32,76</b>	<b>484.370</b>	<b>3,91</b>	<b>15.341,13</b>	<b>34,58</b>	<b>13.617,81</b>	<b>31,94</b>
Households	549.083	97,64	7.194,89	15,73	7.194,89	16,34	481.537	3,88	6.755,61	15,23	6.755,61	15,84
Insurance Corporations	48	0,01	169,10	0,37	169,10	0,38	48	0,00	164,79	0,37	164,79	0,39
Pension funds	14	0,00	140,50	0,31	140,50	0,32	14	0,00	135,51	0,31	135,51	0,32
Money Market Funds (MMFs)	19	0,00	664,23	1,45	664,23	1,51	16	0,00	632,62	1,43	632,62	1,48
Non-MMF Investment Funds	93	0,02	1.069,57	2,34	1.069,57	2,43	88	0,00	1.030,87	2,32	1.030,87	2,42
Deposit-taking corporations	35	0,01	316,63	0,69	316,63	0,72	30	0,00	266,65	0,60	266,65	0,63
Other Financial Intermediaries, except insurance corporations & pension funds	119	0,02	187,05	0,41	187,05	0,42	103	0,00	183,17	0,41	183,17	0,43
Non-Profit Institutions serving Households	540	0,10	244,83	0,54	244,83	0,56	485	0,00	91,93	0,21	91,93	0,22
Non-Financial corporations	2.060	0,37	3.327,36	7,27	3.327,36	7,56	1.829	0,01	3.253,61	7,33	3.253,61	7,63
Central Government	38	0,01	292,42	0,64	292,42	0,66	35	0,00	292,13	0,66	292,13	0,69
Local Government Organizations	27	0,00	0,71	0,00	0,71	0,00	21	0,00	0,71	0,00	0,71	0,00
Social Security Funds	38	0,01	816,99	1,79	816,99	1,86	37	0,00	809,97	1,83	809,97	1,90
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	0,00
Other Domestic Investors	0	0,00	0,00	0,00	0,00	0,00	126	0,00	0,23	0,00	0,23	0,00
Hellenic Financial Stability Fund (HFSF)	1	0,00	1.723,33	3,77			1	0,00	1.723,33	3,88		0,00
<b>II. Foreign Investors</b>	<b>10.036</b>	<b>1,78</b>	<b>29.590,66</b>	<b>64,68</b>	<b>29.590,66</b>	<b>67,21</b>	<b>9.090</b>	<b>0,07</b>	<b>29.018,32</b>	<b>65,42</b>	<b>29.018,32</b>	<b>68,06</b>
Households	6.653	1,18	416,28	0,91	416,28	0,95	5.888	0,05	358,19	0,81	358,19	0,84
Insurance Corporations	70	0,01	1.528,76	3,34	1.528,76	3,47	62	0,00	1.525,56	3,44	1.525,56	3,58
Pension funds	316	0,06	1.172,18	2,56	1.172,18	2,66	309	0,00	1.149,46	2,59	1.149,46	2,70
Money Market Funds (MMFs)	496	0,09	2.591,03	5,66	2.591,03	5,88	487	0,00	2.551,42	5,75	2.551,42	5,98
Non-MMF Investment Funds	1.117	0,20	7.871,36	17,20	7.871,36	17,88	1.069	0,01	7.754,41	17,48	7.754,41	18,19
Deposit-taking corporations	447	0,08	2.963,93	6,48	2.963,93	6,73	433	0,00	2.909,66	6,56	2.909,66	6,82
Other Financial Intermediaries, except insurance corporations & pension funds	228	0,04	2.721,93	5,95	2.721,93	6,18	211	0,00	2.623,95	5,92	2.623,95	6,15
Non-Profit Institutions serving Households	29	0,01	61,04	0,13	61,04	0,14	28	0,00	60,91	0,14	60,91	0,14
Non-Financial corporations	599	0,11	8.974,02	19,61	8.974,02	20,38	525	0,00	8.833,01	19,91	8.833,01	20,72
Central Government	25	0,00	892,11	1,95	892,11	2,03	23	0,00	861,46	1,94	861,46	2,02
Local Government Organizations	13	0,00	23,69	0,05	23,69	0,05	13	0,00	23,68	0,05	23,68	0,06
Social Security Funds	26	0,00	99,32	0,22	99,32	0,23	25	0,00	93,20	0,21	93,20	0,22
Institutions and bodies of the European Union	8	0,00	174,57	0,38	174,57	0,40	6	0,00	173,42	0,39	173,42	0,41
Non-member Countries & International Organisations Non-resident of EU	9	0,00	100,45	0,22	100,45	0,23	9	0,00	100,00	0,23	100,00	0,23
Other Foreign Investors	0	0,00	0,00	0,00	0,00	0,00	2	0,00	0,01	0,00	0,01	0,00
<b>III. Other Not Identified</b>	<b>182</b>	<b>0,03</b>	<b>13,46</b>	<b>0,03</b>	<b>13,46</b>	<b>0,03</b>	<b>11.901.766</b>	<b>96,02</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>
<b>TOTALS</b>	<b>562.333</b>	<b>100,00</b>	<b>45.751,74</b>	<b>100,00</b>	<b>44.028,42</b>	<b>100,00</b>	<b>12.395.226</b>	<b>100,00</b>	<b>44.359,46</b>	<b>100,00</b>	<b>42.636,13</b>	<b>100,00</b>

Note : The capitalization of listed companies that are also traded in foreign exchanges is based on the number of items that are registered in Hellenic Central Securities Depository (for example COCA-COLA HBC AG, VIOHALCO SA/NV, CENERGY HOLDINGS ).

### 3.1.2 FTSE / Athex Large Cap & Average Number of Investors

Capitalization (Data of: 30/09/2019)	FTSE/Athex Large Cap					
	Shares balanced		Capitalization (incl HFSF)		Capitalization (excl HFSF)	
	Number	%	(mil. €)	%	(mil. €)	%
Investors' Categories						
I. Domestic Investors	368.726	98,10	10.310,42	29,83	8.587,10	26,14
Households	366.546	97,52	3.460,98	10,01	3.460,98	10,54
Insurance Corporations	40	0,01	158,08	0,46	158,08	0,48
Pension funds	13	0,00	136,93	0,40	136,93	0,42
Money Market Funds (MMFs)	14	0,00	604,77	1,75	604,77	1,84
Non-MMF Investment Funds	71	0,02	774,27	2,24	774,27	2,36
Deposit-taking corporations	27	0,01	95,54	0,28	95,54	0,29
Other Financial Intermediaries, except insurance corporations & pension funds	70	0,02	96,39	0,28	96,39	0,29
Non-Profit Institutions serving Households	408	0,11	164,80	0,48	164,80	0,50
Non-Financial corporations	1.369	0,36	2.242,42	6,49	2.242,42	6,83
Central Government	30	0,01	278,12	0,80	278,12	0,85
Local Government Organizations	16	0,00	0,40	0,00	0,40	0,00
Social Security Funds	35	0,01	574,19	1,66	574,19	1,75
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0,00	0,00
Other Domestic Investors	86	0,02	0,19	0,00	0,19	0,00
Hellenic Financial Stability Fund (HFSF)	1	0,00	1.723,33	4,99		
II. Foreign Investors	6.992	1,86	24.250,19	70,15	24.250,19	73,83
Households	4.087	1,09	284,62	0,82	284,62	0,87
Insurance Corporations	59	0,02	599,56	1,73	599,56	1,83
Pension funds	306	0,08	1.151,54	3,33	1.151,54	3,51
Money Market Funds (MMFs)	474	0,13	2.533,28	7,33	2.533,28	7,71
Non-MMF Investment Funds	1.035	0,28	7.423,68	21,47	7.423,68	22,60
Deposit-taking corporations	401	0,11	2.633,18	7,62	2.633,18	8,02
Other Financial Intermediaries, except insurance corporations & pension funds	177	0,05	2.237,06	6,47	2.237,06	6,81
Non-Profit Institutions serving Households	26	0,01	49,62	0,14	49,62	0,15
Non-Financial corporations	351	0,09	6.103,99	17,66	6.103,99	18,58
Central Government	23	0,01	886,33	2,56	886,33	2,70
Local Government Organizations	12	0,00	22,92	0,07	22,92	0,07
Social Security Funds	25	0,01	98,75	0,29	98,75	0,30
Institutions and bodies of the European Union	5	0,00	125,41	0,36	125,41	0,38
Non-member Countries & International Organisations Non-resident of EU	9	0,00	100,23	0,29	100,23	0,31
Other Foreign Investors	2	0,00	0,01	0,00	0,01	0,00
III. Other Not Identified	149	0,04	8,85	0,03	8,85	0,03
TOTALS	375.867	100,00	34.569,46	100,00	32.846,14	100,00

Average Number of Investors for ISINS that composite FTSE/Athex Large Cap			
ISIN	ISIN Description	Investors' Average (02/09/2019 - 30/09/2019)	Investors' Average 2019
		Number	Number
GRS015003007	ALPHA BANK S.A. (CR)	114.710	115.380
BE0974303357	CENERGY HOLDINGS S.A. (CB)	8.520	8.623
CH0198251305	COCA-COLA HBC AG	3.269	2.885
GRS096003009	FOURLIS S.A.(CR)	2.844	2.839
GRS282183003	JUMBO S.A. (CR)	4.751	4.619
GRS245213004	LAMDA DEVELOPMENT S.A. (CR)	3.987	3.394
BE0974271034	VIOHALCO (CB)	#N/A	#N/A
BE0974338700	TITAN CEMENT INTERNATIONAL S.A. (CB)	6.377	4.672
GRS518003009	ADMIE (IPTO) HOLDING S.A. -CR	20.404	20.470
GRS495003006	AEGEAN AIRLINES (CR)	39.942	40.304
GRS145003000	GEK TERNA HOLDING, REAL ESTATE, CONSTRUCTION (CR)	9.760	9.853
GRS204003008	GR. SARANTIS S.A.(CR)	1.750	1.760
GRS434003000	PPC S.A. (CR)	21.026	21.158
GRS003003035	NATIONAL BANK OF GREECE S.A. (CR)	111.026	112.015
GRS191213008	ELLAKTOR S.A. (CR)	23.797	22.711
GRS298343005	HELLENIC PETROLEUM S.A. (CR)	72.938	74.535
GRS395363005	HELLENIC EXCHANGES S.A. HOLDING (CR)	10.699	10.542
GRS426003000	MOTOR OIL (HELLAS) REFINERIES SA (CR)	10.118	9.631
GRS393503008	MYTILINEOS HOLDINGS S.A. (CR)	31.995	31.961
GRS470003013	P.P.A. S.A. (CR)	5.126	5.043
GRS419003009	OPAP S.A. (CR)	31.459	31.443
GRS260333000	HELLENIC TELECOM. ORGANISATION (CR)	82.277	83.854
GRS496003005	TERNA ENERGY S.A. (CR)	13.745	13.499
GRS323003012	EUROBANK ERGASIAS S.A. (CR)	44.961	41.829
GRS014003024	PIRAEUS BANK S.A. (CR)	27.448	27.970
Average Num of Investors in FTSE/Athex Large Cap		28.776	28.095

Notes: (1) ISIN codes that comprise the FTSE/ATHEX Large Cap refer to the index composition on 30/09/2019.

(2) Investor averages on FTSE/ATHEX Large Cap (Monthly & Yearly) have been calculated for all ISINS that were included in the index composition for the respected period.

### 3.1.3 FTSE / Athex Indices

Capitalization  (Data of: 30/09/2019)	FTSE/Athex Mid Cap				FTSE/Athex Mid-Small Cap Factor-Weighted Index				FTSE/Athex Market Index						FTSE/Athex Global Traders Index Plus			
	Shares balanced		Capitalization		Shares balanced		Capitalization		Shares balanced		Capitalization		Capitalization		Shares balanced		Capitalization	
	Number	%	(mil. €)	%	Number	%	(mil. €)	%	Number	%	(mil. €)	%	(mil. €)	%	Number	%	(mil. €)	%
Investors' Categories																		
I. Domestic Investors	128.555	4,73	1.500,13	80,06	38.231	63,12	1.151,19	54,63	427.751	3,60	11.925,85	32,59	10.202,53	29,26	190.365	2,50	4.034,21	34,30
Households	127.873	4,71	1.055,63	56,34	38.033	62,79	819,31	38,88	425.226	3,58	4.623,35	12,64	4.623,35	13,26	189.708	2,49	2.247,69	19,11
Insurance Corporations	16	0,00	1,81	0,10	9	0,01	5,60	0,27	44	0,00	159,90	0,44	159,90	0,46	20	0,00	48,87	0,42
Pension funds	7	0,00	1,23	0,07	5	0,01	1,03	0,05	14	0,00	138,17	0,38	138,17	0,40	8	0,00	30,11	0,26
Money Market Funds (MMFs)	9	0,00	14,53	0,78	6	0,01	22,80	1,08	14	0,00	619,41	1,69	619,41	1,78	14	0,00	189,80	1,61
Non-MMF Investment Funds	53	0,00	74,49	3,98	38	0,06	45,88	2,18	84	0,00	849,86	2,32	849,86	2,44	60	0,00	262,17	2,23
Deposit-taking corporations	16	0,00	85,60	4,57	2	0,00	4,48	0,21	30	0,00	181,14	0,50	181,14	0,52	16	0,00	63,88	0,54
Other Financial Intermediaries, except insurance corporations & pension funds	52	0,00	9,27	0,49	17	0,03	1,49	0,07	87	0,00	105,87	0,29	105,87	0,30	60	0,00	28,26	0,24
Non-Profit Institutions serving Households	23	0,00	0,55	0,03	7	0,01	0,04	0,00	416	0,00	165,35	0,45	165,35	0,47	24	0,00	5,62	0,05
Non-Financial corporations	468	0,02	90,97	4,85	102	0,17	245,64	11,66	1.649	0,01	2.340,51	6,40	2.340,51	6,71	387	0,01	1.065,13	9,06
Central Government	4	0,00	2,24	0,12	2	0,00	0,60	0,03	31	0,00	280,36	0,77	280,36	0,80	4	0,00	6,20	0,05
Local Government Organizations	1	0,00	0,00	0,00	1	0,00	0,00	0,00	16	0,00	0,41	0,00	0,41	0,00	3	0,00	0,20	0,00
Social Security Funds	8	0,00	163,81	8,74	3	0,00	4,30	0,20	36	0,00	738,00	2,02	738,00	2,12	15	0,00	86,25	0,73
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0	0,00	0,00	0,00	0,00	0,00	0	0,00	0,00	0,00
Other Domestic Investors	25	0,00	0,01	0,00	6	0,01	0,00	0,00	103	0,00	0,20	0,00	0,20	0,00	46	0,00	0,05	0,00
Hellenic Financial Stability Fund (HFSF)									1	0,00	1.723,33	4,71						
II. Foreign Investors	2.015	0,07	373,63	19,94	565	0,93	956,07	45,37	8.225	0,07	24.664,29	67,41	24.664,29	70,74	3.629	0,05	7.726,29	65,70
Households	1.621	0,06	19,01	1,01	379	0,63	2,78	0,13	5.172	0,04	306,14	0,84	306,14	0,88	1.933	0,03	187,58	1,59
Insurance Corporations	6	0,00	1,89	0,10	2	0,00	0,14	0,01	61	0,00	601,51	1,64	601,51	1,73	30	0,00	42,32	0,36
Pension funds	16	0,00	3,97	0,21	14	0,02	3,21	0,15	308	0,00	1.155,51	3,16	1.155,51	3,31	213	0,00	283,39	2,41
Money Market Funds (MMFs)	27	0,00	11,46	0,61	21	0,03	4,40	0,21	481	0,00	2.544,77	6,95	2.544,77	7,30	303	0,00	763,07	6,49
Non-MMF Investment Funds	62	0,00	33,45	1,79	51	0,08	268,93	12,76	1.050	0,01	7.479,86	20,44	7.479,86	21,45	590	0,01	2.717,36	23,11
Deposit-taking corporations	98	0,00	62,18	3,32	47	0,08	41,83	1,99	406	0,00	2.696,50	7,37	2.696,50	7,73	198	0,00	726,16	6,17
Other Financial Intermediaries, except insurance corporations & pension funds	44	0,00	165,09	8,81	15	0,02	64,54	3,06	192	0,00	2.402,60	6,57	2.402,60	6,89	86	0,00	446,20	3,79
Non-Profit Institutions serving Households	3	0,00	1,96	0,10	3	0,00	9,64	0,46	28	0,00	51,58	0,14	51,58	0,15	15	0,00	14,66	0,12
Non-Financial corporations	132	0,00	74,20	3,96	31	0,05	560,57	26,60	450	0,00	6.191,75	16,92	6.191,75	17,76	199	0,00	2.280,31	19,39
Central Government	0	0,00	0,00	0,00	1	0,00	0,03	0,00	23	0,00	886,33	2,42	886,33	2,54	20	0,00	206,50	1,76
Local Government Organizations	2	0,00	0,04	0,00	0	0,00	0,00	0,00	12	0,00	22,96	0,06	22,96	0,07	10	0,00	18,02	0,15
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00	25	0,00	98,75	0,27	98,75	0,28	22	0,00	17,64	0,15
Institutions and bodies of the European Union	4	0,00	0,38	0,02	1	0,00	0,00	0,00	6	0,00	125,79	0,34	125,79	0,36	2	0,00	7,59	0,06
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00	9	0,00	100,23	0,27	100,23	0,29	8	0,00	15,51	0,13
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00	2	0,00	0,01	0,00	0,01	0,00	0	0,00	0,00	0,00
III. Other Not Identified	2.586.040	95,19	0,00	0,00	21.776	35,95	0,00	0,00	11.453.754	96,33	0,00	0,00	0,00	0,00	7.413.806	97,45	0,00	0,00
TOTALS	2.716.610	100,00	1.873,76	100,00	60.572	100,00	2.107,26	100,00	11.889.730	100,00	36.590,14	100,00	34.866,81	100,00	7.607.800	100,00	11.760,50	100,00



#### 3.1.4 Other Athex Indices

Capitalization  (Data of: 30/09/2019)	Medium & Small Cap Price Index			
	Shares balanced		Capitalization	
	Number	%	(mil. €)	%
Investors' Categories				
<b>I. Domestic Investors</b>	<b>37.073</b>	<b>57,55</b>	<b>349,12</b>	<b>72,26</b>
Households	36.897	57,28	312,78	64,74
Insurance Corporations	10	0,02	0,95	0,20
Pension funds	3	0,00	0,01	0,00
Money Market Funds (MMFs)	4	0,01	1,45	0,30
Non-MMF Investment Funds	32	0,05	16,04	3,32
Deposit-taking corporations	2	0,00	7,50	1,55
Other Financial Intermediaries, except insurance corporations & pension funds	20	0,03	0,67	0,14
Non-Profit Institutions serving Households	6	0,01	0,00	0,00
Non-Financial corporations	91	0,14	9,62	1,99
Central Government	1	0,00	0,00	0,00
Local Government Organizations	0	0,00	0,00	0,00
Social Security Funds	1	0,00	0,10	0,02
Institutions and bodies of the European Union	0	0,00	0,00	0,00
Other Domestic Investors	6	0,01	0,00	0,00
Hellenic Financial Stability Fund (HFSF)				
<b>II. Foreign Investors</b>	<b>414</b>	<b>0,64</b>	<b>134,04</b>	<b>27,74</b>
Households	325	0,50	5,46	1,13
Insurance Corporations	1	0,00	0,09	0,02
Pension funds	0	0,00	0,00	0,00
Money Market Funds (MMFs)	2	0,00	0,05	0,01
Non-MMF Investment Funds	10	0,02	26,39	5,46
Deposit-taking corporations	30	0,05	3,18	0,66
Other Financial Intermediaries, except insurance corporations & pension funds	15	0,02	37,96	7,86
Non-Profit Institutions serving Households	0	0,00	0,00	0,00
Non-Financial corporations	31	0,05	60,92	12,61
Central Government	0	0,00	0,00	0,00
Local Government Organizations	0	0,00	0,00	0,00
Social Security Funds	0	0,00	0,00	0,00
Institutions and bodies of the European Union	0	0,00	0,00	0,00
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00
Other Foreign Investors	0	0,00	0,00	0,00
<b>III. Other Not Identified</b>	<b>26.933</b>	<b>41,81</b>	<b>0,00</b>	<b>0,00</b>

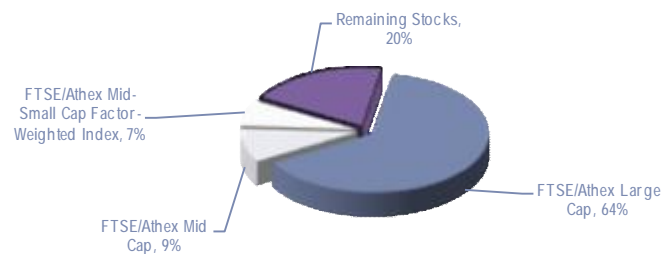
**Notes:**

1. Legal entities of uncooperative nations (law 4172/2013 article 65) are included in "Other Legal Entities" under Foreign Investors section.
2. The data processing for the participation of investors in equities that form indices does not take under consideration the participation percentage of the share in each separate Index.
3. Shares under suspension are included

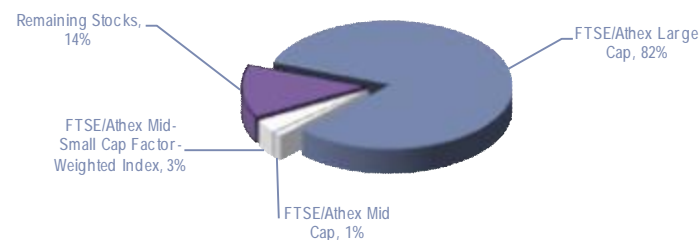
### 3.1.5 Allocation of Investors Portfolio Value in Stocks Groups (Indices and ATHEX Categories)

Portfolio Value Allocation	Total of Listed Equities	FTSE/Athex Large Cap		FTSE/Athex Mid Cap		FTSE/Athex Mid-Small Cap Factor-Weighted Index		Remaining Stocks	
(Data of: 30/09/2019)	Value (millions €)	Value (millions €)	%	Value (millions €)	%	Value (millions €)	%	Value (millions €)	%
Greek investors	16.147,62	10.310,42	63,85	1.500,13	9,29	1.151,19	7,13	3.185,87	19,73
Foreign investors	29.590,66	24.250,19	81,95	373,63	1,26	956,07	3,23	4.010,77	13,55
Other (not identified)	13,46	0,00	0,00	0,00	0,00	0,00	0,00	13,46	100,00

Portfolio Value Allocation - Greek investors

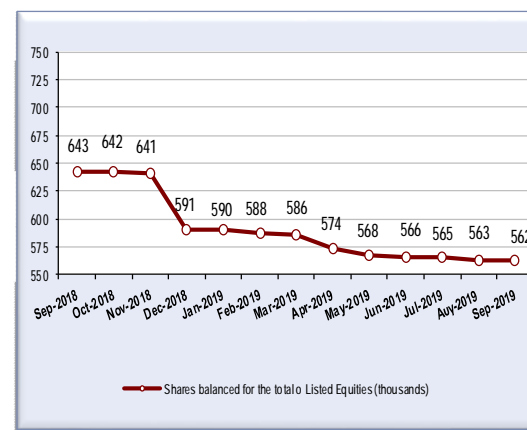
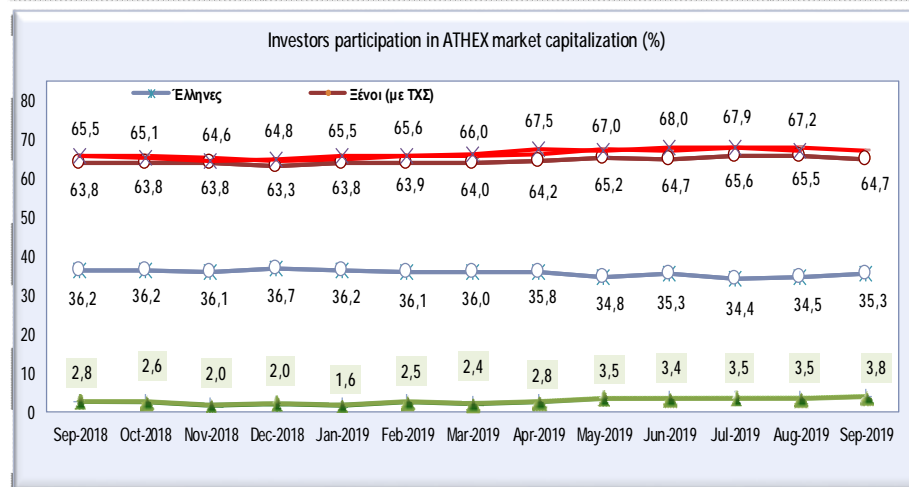
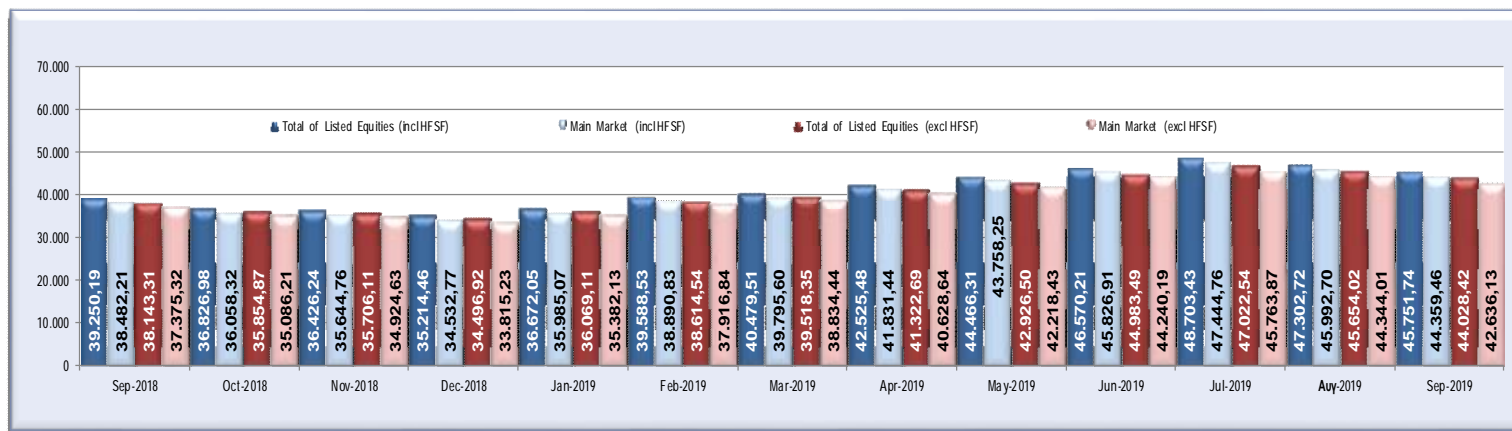


Portfolio Value Allocation - Foreign investors





### 3.1.7 Investors' Participation – Graphs



### 3.2 Investors' Geographical Allocation in Greece

Capitalization (30/09/2019)	Investors Geographical Allocation In Greece							
	Investor Shares						Capitalization	
	positive balance		zero balance		Total			
Regions	Number	%	Number	%	Number	%	Value (mil. €)	%
HFSF	1	0,00	0	0,00	1	0,00	1.723,33	9,64
Attica	252.497	45,72	367.331	43,63	619.828	44,46	12.825,24	71,76
Central Macedonia	76.038	13,77	130.374	15,48	206.412	14,80	591,70	3,31
Peloponnese	26.708	4,84	42.883	5,09	69.591	4,99	414,33	2,32
Crete	29.986	5,43	42.068	5,00	72.054	5,17	304,54	1,70
Thessaly	26.442	4,79	46.172	5,48	72.614	5,21	189,56	1,06
East Macedonia - Thrace	20.495	3,71	36.674	4,36	57.169	4,10	160,58	0,90
West Greece	20.806	3,77	39.318	4,67	60.124	4,31	91,58	0,51
Sierea Ellada	15.470	2,80	28.815	3,42	44.285	3,18	74,17	0,42
South Aegean	10.930	1,98	16.889	2,01	27.819	2,00	51,87	0,29
Epirus	13.662	2,47	21.355	2,54	35.017	2,51	50,20	0,28
West Macedonia	11.774	2,13	20.445	2,43	32.219	2,31	47,44	0,27
North Aegean	9.426	1,71	11.108	1,32	20.534	1,47	36,70	0,21
Ionian Islands	7.869	1,42	11.732	1,39	19.601	1,41	33,58	0,19
Invalid Postal Codes	30.170	5,46	26.807	3,18	56.977	4,09	1.276,50	7,14
Total	552.274	100,00	841.971	100,00	1.394.245	100,00	17.871,33	100,00

#### Notes:

1. Investor Shares with positive balance are those in which at least one security is credited.
2. Investor Shares with zero balance are those with no securities credited.
3. Geographical allocation of Investor Shares is based upon segregation of Greece in districts, according to the Ministry of Internal Affairs data.
4. The above clarification concerns Investor Shares owned by Greek nationals, according to their relevant statement and based on the postal data codes declared in the Investor Shares.
5. Districts appear in declining ordering upon capitalization.

### 3.3 Investors Without Identified Nationality

Capitalization (30/09/2019)	Investors Without Identified Registered Country					
	Investor Shares					Capitalization
	positive balance		zero balance		Total	
Countries	Number	%	Number	%	Number	Value (mil. €) %
Other not Identified	182	-	842	-	1.024	13,46 -

#### Notes:

1. The above classification concerns Investor Shares that have not declared any registered country.
2. The above data coincide with category III Other Investors of paragraph 3.1.1. Total Listed Equities and Main Categories

### 3.4 Foreign Investors' Geographical Allocation

Capitalization (30/09/2019)	Foreign Investors' Geographical Allocation							
	Investor Shares						Capitalization	
	positive balance		zero balance		Total			
Countries	Number	%	Number	%	Number	%	Value (mil. €)	%
Top 30 countries with the biggest capitalization per country	8.219	81,88	51.144	88,77	59.363	87,75	29.172,20	98,59
United States	1.728	17,21	11.025	19,14	12.753	18,85	6.164,93	20,83
Luxembourg	264	2,63	2.900	5,03	3.164	4,68	4.430,97	14,97
Cyprus	2.770	27,60	15.639	27,15	18.409	27,21	3.774,32	12,76
Belgium	49	0,49	215	0,37	264	0,39	1.429,97	4,83
Germany	363	3,62	2.028	3,52	2.391	3,53	2.974,31	10,05
United Kingdom	1.097	10,93	4.279	7,43	5.376	7,95	1.965,44	6,64
Holland	70	0,70	311	0,54	381	0,56	1.854,58	6,27
Cayman Islands	110	1,10	2.127	3,69	2.237	3,31	963,77	3,26
Switzerland	160	1,59	622	1,08	782	1,16	659,45	2,23
Ireland	165	1,64	1.349	2,34	1.514	2,24	636,11	2,15
Canada	344	3,43	2.149	3,73	2.493	3,69	439,41	1,48
Singapore	24	0,24	171	0,30	195	0,29	395,34	1,34
British Virgin Islands	79	0,79	590	1,02	669	0,99	362,21	1,22
Norway	19	0,19	143	0,25	162	0,24	365,99	1,24
France	247	2,46	2.793	4,85	3.040	4,49	323,06	1,09
United Arab Emirates	27	0,27	68	0,12	95	0,14	330,77	1,12
Hong Kong	43	0,43	207	0,36	250	0,37	313,12	1,06
Marshall Islands	53	0,53	226	0,39	279	0,41	203,38	0,69
Sweden	77	0,77	271	0,47	348	0,51	212,23	0,72
Japan	85	0,85	1.680	2,92	1.765	2,61	188,89	0,64
Bermuda Islands	22	0,22	239	0,41	261	0,39	193,94	0,66
People's Republic of China	15	0,15	54	0,09	69	0,10	167,47	0,57
Australia	247	2,46	1.108	1,92	1.355	2,00	158,36	0,54
Saudi Arabia	11	0,11	46	0,08	57	0,08	146,46	0,49
Barbados	4	0,04	14	0,02	18	0,03	145,31	0,49
Kuwait	4	0,04	25	0,04	29	0,04	112,94	0,38
Liberia	92	0,92	540	0,94	632	0,93	77,00	0,26
Lichtenstein	10	0,10	33	0,06	43	0,06	66,40	0,22
Austria	38	0,38	280	0,49	318	0,47	57,13	0,19
Gibraltar	2	0,02	12	0,02	14	0,02	58,92	0,20
Remaining Countries	1.819	18,12	6.468	11,23	8.287	12,25	418,47	1,41
Total	10.038	100,00	57.612	100,00	67.650	100,00	29.590,67	100,00

Total EU without Greece	5.831	58,09	33.029	57,33	38.860	57,44	17.879,34	60,42
Non EU Countries	4.207	41,91	24.583	42,67	28.790	42,56	11.711,33	39,58

Notes: The above clarification concerns Investor Shares with all other nationalities excluding Greek.

### 3.5 Percentage Participation of Investors in Greek Government Bonds / Corporate Bonds – Data of September 2019

Capitalization (Data of: 30/09/2019)	Other Greek Government Bonds				Corporate Bonds			
	Shares balanced		Capitalization		Shares balanced		Capitalization	
	Number	%	Value (mil. €)	%	Number	%	Value (mil. €)	%
<b>I. Domestic Investors</b>	<b>7.810</b>	<b>99,82</b>	<b>533,80</b>	<b>99,90</b>	<b>19.371</b>	<b>99,34</b>	<b>1.125,83</b>	<b>88,33</b>
Households	7.809	99,81	235,23	44,02	19.067	243,70	734,65	57,64
Insurance Corporations	0	0,00	0,00	0,00	17	0,22	94,83	7,44
Pension funds	0	0,00	0,00	0,00	7	0,09	32,21	2,53
Money Market Funds (MMFs)	0	0,00	0,00	0,00	11	0,14	17,05	1,34
Non-MMF Investment Funds	0	0,00	0,00	0,00	31	0,40	60,34	4,73
Deposit-taking corporations	0	0,00	0,00	0,00	11	0,14	125,63	9,86
Other Financial Intermediaries, except insurance corporations & pension funds	1	0,01	298,57	55,88	9	0,12	6,80	0,53
Non-Profit Institutions serving Households	0	0,00	0,00	0,00	16	0,20	8,68	0,68
Non-Financial corporations	0	0,00	0,00	0,00	200	2,56	42,83	3,36
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Social Security Funds	0	0,00	0,00	0,00	2	0,03	2,82	0,22
Institutions and bodies of the European Union	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Other Domestic Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00
<b>II. Foreign Investors</b>	<b>11</b>	<b>0,14</b>	<b>0,52</b>	<b>0,10</b>	<b>117</b>	<b>0,60</b>	<b>147,80</b>	<b>11,60</b>
Households	11	0,14	0,52	0,10	31	0,16	1,18	0,09
Insurance Corporations	0	0,00	0,00	0,00	1	0,01	0,34	0,03
Pension funds	0	0,00	0,00	0,00	2	0,01	0,25	0,02
Money Market Funds (MMFs)	0	0,00	0,00	0,00	2	0,01	0,38	0,03
Non-MMF Investment Funds	0	0,00	0,00	0,00	11	0,06	9,72	0,76
Deposit-taking corporations	0	0,00	0,00	0,00	38	0,19	53,67	4,21
Other Financial Intermediaries, except insurance corporations & pension funds	0	0,00	0,00	0,00	5	0,03	0,64	0,05
Non-Profit Institutions serving Households	0	0,00	0,00	0,00	1	0,01	0,44	0,03
Non-Financial corporations	0	0,00	0,00	0,00	25	0,13	2,81	0,22
Central Government	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Local Government Organizations	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Social Security Funds	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Institutions and bodies of the European Union	0	0,00	0,00	0,00	1	0,01	78,37	6,15
Non-member Countries & International Organisations Non-resident of EU	0	0,00	0,00	0,00	0	0,00	0,00	0,00
Other Foreign Investors	0	0,00	0,00	0,00	0	0,00	0,00	0,00
<b>III. Other Not Identified</b>	<b>3</b>	<b>0,04</b>	<b>0,03</b>	<b>0,01</b>	<b>11</b>	<b>0,14</b>	<b>0,95</b>	<b>0,07</b>
<b>TOTALS</b>	<b>7.824</b>	<b>100,00</b>	<b>534,35</b>	<b>100,00</b>	<b>19.499</b>	<b>100,08</b>	<b>1.274,58</b>	<b>100,00</b>

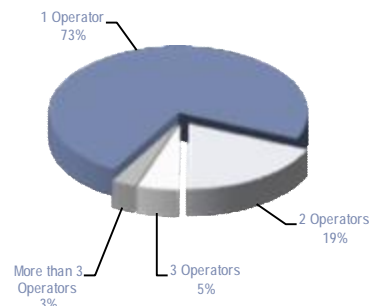
#### Notes:

1. Bonds refer to listed and dematerialized Bonds
2. Data concerning Greek Government Bonds refer only to those registered in Investor Shares in the D.S.S. of Hellenic Exchanges Holding s.a.

## 4 Other Investors' Allocations

### 4.1 Investors' Allocation Based on the number of their Operators

(Data of: 30/09/2019)		Investor Shares	
		Number	%
1 Operator		918.595	73,22
2 Operators		233.144	18,58
3 Operators		65.462	5,22
More than 3 Operators		37.299	2,97
Total		1.254.500	100,00

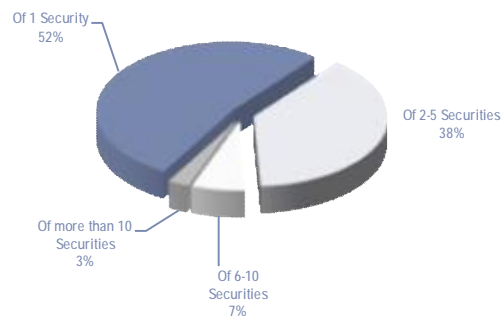


**Notes:**

1. D.S.S. Operators are the Brokerage Firms and Banks – Custodians.
2. Investor Shares that have been excluded from the total, are those with no 'Active Usage Authorization' while the possible (positive) balances are held in the Special Account, either due to investor's selection or pledging or due to the fact that these securities have not been dematerialized (Investor Shares non appeared). Their total number of these shares is **208.464**.

### 4.2 Investors' Allocation based on the number of securities composing their portfolios

(Data of: 30/09/2019)		Investor Shares	
		Number	%
Of 1 Security		293.988	52,35
Of 2-5 Securities		216.140	38,49
Of 6-10 Securities		37.193	6,62
Of more than 10 Securities		14.236	2,54
Total		561.557	100,00



### 4.3 Investors' Allocation based on Portfolio Value

(Data of: 30/09/2019)		Investor Shares	
Portfolios		Number	%
Value up to	3.000,0 €	443.701	79,01
-/-	9.000,0 €	56.637	10,09
-/-	15.000,0 €	18.280	3,26
-/-	30.000,0 €	17.116	3,05
-/-	50.000,0 €	8.399	1,50
-/-	70.000,0 €	4.331	0,77
-/-	100.000,0 €	3.371	0,60
-/-	200.000,0 €	4.022	0,72
-/-	300.000,0 €	1.431	0,25
-/-	500.000,0 €	1.143	0,20
-/-	1.000.000,0 €	1.039	0,19
-/-	3.000.000,0 €	985	0,18
Value more than	3.000.000,0 €	1.102	0,20
Total Active Investors' Shares:		561.557	100,00

## 5 Settlement of Transactions \*

\* Transactions settled in the D.S.S. of ATHEX calculated by single count (BUYS only).

	Number Of Settled Transactions												
	Equities		Pref. Rights		Corporate Bonds		ETFs		Government Dept		Alternative Market (Stocks)		Total
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number
January	404.527	99,72	217	0,05	607	0,15	13	0,00	20	0,00	297	0,00	405.681
February	444.155	99,70	0	0,00	682	0,15	33	0,01	1	0,00	602	0,00	445.473
March	439.473	99,52	5	0,00	1.731	0,39	25	0,01	20	0,00	333	0,00	441.587
April	486.878	99,72	0	0,00	929	0,19	42	0,01	0	0,00	406	0,00	488.255
May	680.267	99,66	613	0,09	968	0,14	58	0,01	20	0,00	682	0,00	682.608
June	689.920	99,78	0	0,00	981	0,14	64	0,01	0	0,00	497	0,00	691.462
July	739.034	99,47	1.112	0,15	1.366	0,18	125	0,02	20	0,00	1.344	0,00	743.001
August	626.566	99,65	811	0,13	767	0,12	75	0,01	0	0,00	517	0,00	628.736
September	576.546	99,67	0	0,00	1.400	0,24	59	0,01	0	0,00	433	0,00	578.438
October													
November													
December													
Total	5.087.366	99,65	2.758	0,05	9.431	0,18	494	0,01	81	0,00	5.111	0,10	5.105.241
Daily Avg	27.499		15		51		3		0		28		27.596

	Number Of Securities Transferred Due To Settlement Of Stock Exchange Transactions												
	Equities		Pref. Rights		Corporate Bonds		ETFs		Government Dept		Alternative Market (Stocks)		Total
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number
January	477.217.326	99,56	622.524	0,13	776.425	0,16	1.224	0,00	632.025	0,00	75.793	0,00	479.325.317
February	577.549.739	99,75	0	0,00	1.027.015	0,18	2.515	0,00	101.139	0,00	339.808	0,00	579.020.216
March	600.250.394	98,91	3.827	0,00	2.358.482	0,39	2.996	0,00	4.204.735	0,01	61.170	0,00	606.881.604
April	550.646.471	99,63	0	0,00	1.885.693	0,34	9.955	0,00	0	0,00	127.576	0,00	552.669.695
May	1.326.660.866	99,52	2.671.286	0,20	1.584.053	0,12	25.085	0,00	1.899.350	0,00	275.354	0,00	1.333.115.994
June	760.423.549	99,85	0	0,00	863.518	0,11	85.743	0,01	0	0,00	166.600	0,00	761.539.410
July	774.370.635	99,44	1.570.621	0,20	1.021.249	0,13	150.901	0,02	1.176.230	0,00	422.633	0,00	778.712.269
August	648.019.073	99,65	1.402.713	0,22	772.975	0,12	19.769	0,00	0	0,00	110.578	0,00	650.325.108
September	572.663.597	99,70	0	0,00	1.539.424	0,27	38.905	0,01	0	0,00	127.633	0,00	574.369.559
October													
November													
December													
Total	6.287.801.650	99,55	6.270.971	0,10	11.828.834	0,19	337.093	0,01	8.013.479	0,13	1.707.145	0,03	6.315.959.172
Daily Avg	33.988.117		33.897		63.940		1.822		43.316		9.228		34.140.320

	Cash Value In € Of Settled Transactions												
	Equities		Pref. Rights		Corporate Bonds		ETFs		Government Dept		Alternative Market (Stocks)		Total
	(value in €)	%	(value in €)	%	(value in €)	%	(value in €)	%	(value in €)	%	(value in €)	%	(value in €)
January	824.012.570,85	98,93	8.276,95	0,00	8.210.530,50	0,99	20.341,41	0,00	583.207,46	0,00	75.305,47	0,00	832.910.232,64
February	877.257.051,30	98,92	0,00	0,00	9.035.245,23	1,02	44.181,27	0,00	103.128,51	0,00	352.146,47	0,00	886.791.752,78
March	1.047.507.757,78	96,62	33,53	0,00	32.494.102,10	3,00	55.972,31	0,01	4.019.310,57	0,00	54.666,19	0,00	1.084.131.842,48
April	1.098.477.553,32	98,46	0,00	0,00	16.846.953,42	1,51	195.088,16	0,02	0,00	0,00	157.924,37	0,00	1.115.677.519,27
May	2.422.448.370,02	99,18	545.138,46	0,02	16.751.855,09	0,69	499.380,51	0,02	1.933.838,87	0,00	291.542,50	0,00	2.442.470.125,45
June	1.623.189.033,66	98,97	0,00	0,00	14.463.515,14	0,88	1.871.967,78	0,11	0,00	0,00	508.668,77	0,00	1.640.033.185,35
July	1.700.260.203,29	98,20	105.735,17	0,01	25.416.779,80	1,47	3.399.748,36	0,20	1.321.878,50	0,00	906.690,98	0,00	1.731.411.036,10
August	1.369.376.058,69	99,01	134.407,12	0,01	12.928.771,50	0,93	421.151,74	0,03	0,00	0,00	253.983,05	0,00	1.383.114.372,10
September	1.284.213.007,89	97,65	0,00	0,00	29.710.439,57	2,26	849.257,80	0,06	0,00	0,00	327.129,18	0,00	1.315.099.834,44
October													
November													
December													
Total	12.246.741.606,80	98,51	793.591,23	0,01	165.858.192,35	1,33	7.357.089,34	0,06	7.961.363,91	0,06	2.928.056,98	0,02	12.431.639.900,61
Daily Avg	66.198.603,28		4.289,68		896.530,77		39.768,05		43.034,40		15.827,34		67.198.053,52

## **ANNEX 1** Notes – Clarifications

### Investors' Codification

Domestic Investors		
Code	Description	Constituents
S_14	Households	Natural Persons
		Individual Enterprises
		Joint Investors Shares (JISs) or Co-owners Investors Shares
		Other Cases S_14
S_128	Insurance Corporations	Non-life insurance corporations
		Life and non-life insurance to individual units or groups of units
		Pension & Subsidiary Funds
		Reinsurance to other insurance corporations
		Insurance Brokerage
		Other cases S_128
S_129	Pension funds	Pension funds
S_123	Money market funds (MMFs)	Mutual Funds
		(UCITS) Investment funds including investment trusts, unit trusts and other collective investment schemes whose shares or units are close substitutes for deposits
		Public investment funds
		Other cases S_123
S_124	Non-MMF investment funds	Open-ended investment funds whose investment fund shares or units are, at the request of the holders, repurchased or redeemed directly or indirectly out of the undertaking's assets
		Closed-ended investment funds with a fixed share capital, where investors entering or leaving the fund must buy or sell existing shares
		Real estate investment funds
		Investment funds investing in other funds ('funds of funds')
		Hedge funds covering a range of collective investment schemes, involving high minimum investments, light regulation, and a range of investment strategies.
		Other cases S_124
S_121 & S_122	Deposit-taking corporations	Central Bank
		Commercial banks, 'universal' banks, 'all-purpose' banks
		Savings banks (including trustee savings banks and savings banks and loan associations) & Cooperative Banks
		Foreign Credit Institutions' Branches in Greece
		Specialized banks (e.g. merchant banks, issuing houses, private banks)
		Electronic money institutions principally engaged in financial intermediation.
		Public Credit Institutions (e.g. Deposit & Loans Fund)
S_125	Other financial intermediaries, except insurance corporations & pension funds	Other cases S_122
		Financial vehicle corporations engaged in securitisation transactions (FVC)
		Security and derivative dealers (ATHEX Members)
		Security and derivative dealers (non ATHEX Members)
		Financial corporations engaged in lending
S_15	Non-Profit Institutions serving Households	Other cases S_125
		Trade Unions
		Charity Organizations, Church
		Associations
S_11	Non-Financial corporations	Other Cases S_15
		National private non-financial corporations
		Public Corporations Mainly Active in Goods Production and Non-Financial Services
		Foreign controlled non-financial corporations
S_1311	Central Government	Other Cases S_11
		Entities of General Government (Ministries)
		Central Government Legal Entities & Public Corporations
S_1313	Local Government Organizations	Other cases S_1311
S_1314	Social Security Funds	Local Government Organizations and Related Supervised Bodies
		Social security funds
S_212	Institutions and bodies of the European Union	Other Cases S_1314
		Institutions and bodies of the European Union
*	Other Domestic Investors	Non- Categorized Investors with Registered Office in Greece



Foreign Investors		
Code	Description	Constituents
S_14	Households	Natural Persons
		Individual Enterprises
		Joint Investors Shares (JISs) or Co-owners Investors Shares
		Other Cases S_14
S_128	Insurance Corporations	Non-life insurance corporations
		Life and non-life insurance to individual units or groups of units
		Pension & Subsidiary Funds
		Reinsurance to other insurance corporations
		Insurance Brokerage
S_129	Pension funds	Pension funds
S_123	Money market funds (MMFs)	Mutual Funds
		(UCITS) Investment funds including investment trusts, unit trusts and other collective investment schemes whose shares or units are close substitutes for deposits
		Public investment funds
		Other cases S_123
S_124	Non-MMF investment funds	Open-ended investment funds whose investment fund shares or units are, at the request of the holders, repurchased or redeemed directly or indirectly out of the undertaking's assets
		Closed-ended investment funds with a fixed share capital, where investors entering or leaving the fund must buy or sell existing shares
		Real estate investment funds
		Investment funds investing in other funds (funds of funds)
		Hedge funds covering a range of collective investment schemes, involving high minimum investments, light regulation, and a range of investment strategies
		Other cases S_124
S_121 & S_122	Deposit-taking corporations	Central Bank
		Commercial banks, 'universal' banks, 'all-purpose' banks
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S_1314	Social Security Funds	Local Government Organizations and Related Supervised Bodies
		Social security funds
S_212	Institutions and bodies of the European Union	Other Cases S_1314
S_22	Non-member countries & international organisations non-resident of EU	Institutions and bodies of the European Union
*	Other Foreign Investors	Non-member countries & international organisations non-resident of EU
Other Not Identified		
Code	Description	Constituents
*	Other Not Identified	Non- Categorized Investors with Registered Office out of Greece
		Joint Holders with Greek and Foreign Members

\* Does not refer to an investors category but to accounts with uncompleted categorization process

#### Note

The new investors' categorization is based on [Regulation \(EU\) No 1011/2012](#), of 17 October 2012, of the European Central Bank, concerning statistics on holdings of securities (ECB/2012/24) and the ["European system of accounts – ESA2010"](#) of Eurostat. The Investors categorization in the Dematerialized Securities System (D.S.S.) is implemented by its designated members and is based on [Decision No 5/2015](#) («Investors Statistical Categorization in Dematerialized Securities System») of the ATHEXCSD Board of Directors as «DSS Administrator».



**ATHEX**  
*Athens Stock Exchange*

110, Athinon Ave. GR 104 42 Athens  
tel. (+30)210-33.66.800, fax (+30)210-33.66.101  
[www.athexgroup.gr](http://www.athexgroup.gr)