



ΕΝΩΣΗ ΕΦΟΠΛΙΣΤΩΝ ΝΑΥΤΙΛΙΑΣ ΜΙΚΡΩΝ ΑΠΟΣΤΑΣΕΩΝ
HELLENIC SHORTSEA SHIPOWNERS ASSOCIATION

Greek-owned ShortSea Shipping (SSS) fleet 2015

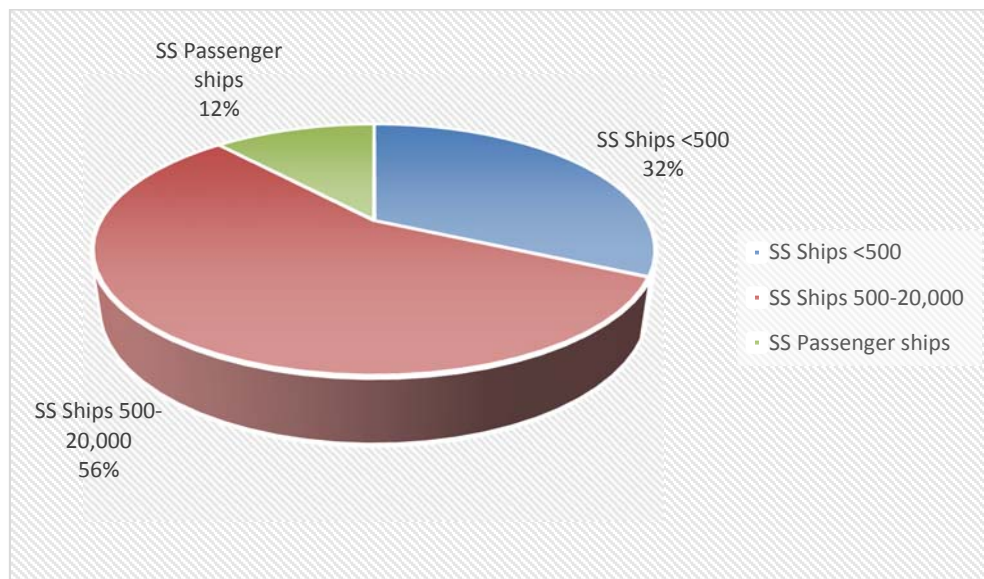
Piraeus, 2015

SSS Fleet till 20.000 DWT

Table 1: SSS Fleet

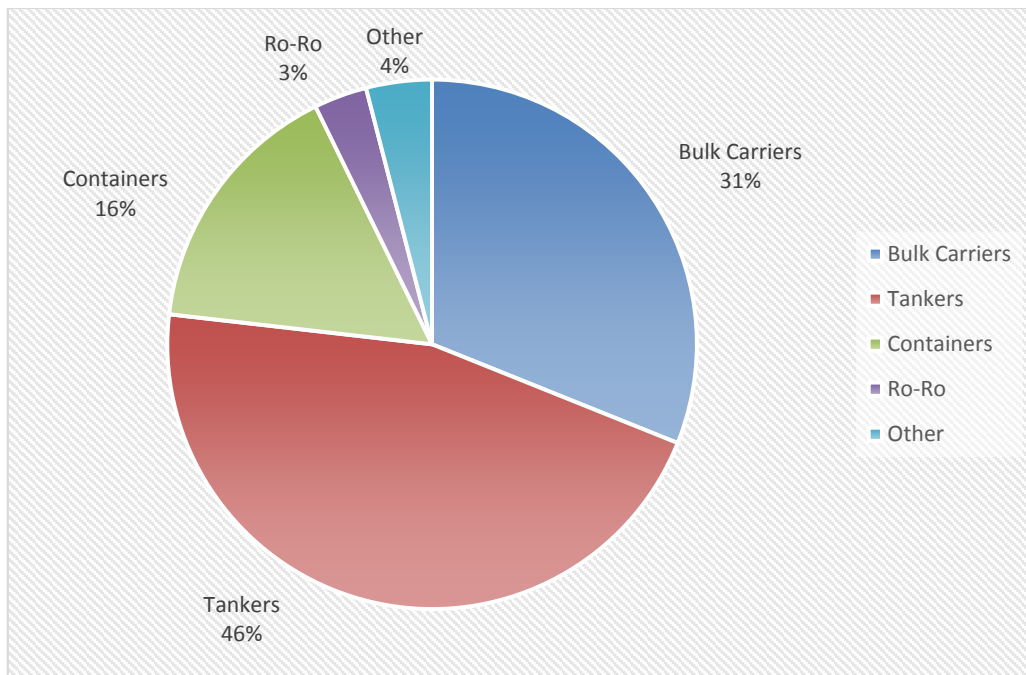
Total Number of SSS fleet	1370* ¹
Number of SS Ships >499	439
Number of SS Ships 500-20,000	772
Passenger ships	159

Figure 1: Structure of the Greek-owned SSS fleet



- SSS Greek –owned fleet includes all types of ships’ categories (excl. fishing and maritime tourism vessels)
- Ships under 500 gt represent 1/3 of the total fleet (incl. passenger ships and ships providing port services)
- The core SSS fleet consists of ships between 500-20.000 gt following the increasing trend of ships’ size.

¹ Fishing vessels and maritime tourism vessels excluded

Figure 2: Greek-owned SSS fleet (500-20,000 dwt)**Table 2: Qualitative characteristics of Greek-owned SSS fleet**

Ship category	No of cases	Percentage
Bulk Carriers & Cargo ships	240	31,1%
Tankers	353	45,7%
Containers & Refrigerators	123	15,9%
Ro-Ro & Vehicle carrier	25	3,2%
Other	31	4,0%
Average age	18,6	
Average size	13,139	

- Tankers represent the major ship category of the Greek SSS fleet –almost ½ of the fleet. Comparing with the study of Nitsopoulos (2008)² it is concluded that the synthesis of the fleet does not present significant changes with tankers and bulker carriers being at the top.

² The study of Nitsopoulos (2008) includes SSS till 6.000 dwt

- The average age of the SSS fleet is estimated at 18.6 years portraying that the Greek fleet is aged. The 20+ category is the main age category (42.4%)
- Based on 2009 data 50% of the European Shortsea Fleet ³ is over 20 yrs old.
- Comparing Greek data with the corresponding European, almost the same age pattern is observed.
- The average size of the GR-owned fleet is estimated at 13.1 thousands dwt implying that there is a trend towards the increase of SSS ships' sizes.

³ Dutch Maritime Network- European 6S Project

Bulk and General Cargo ships

(500-20,000 dwt)

Table 3: Characteristics of Bulk and General cargo ships

Total number of ships	240
Average age (years)	21.3
Average size (dwt)	7089.6

Figure 3: Age structure of Bulk and General Cargo ships

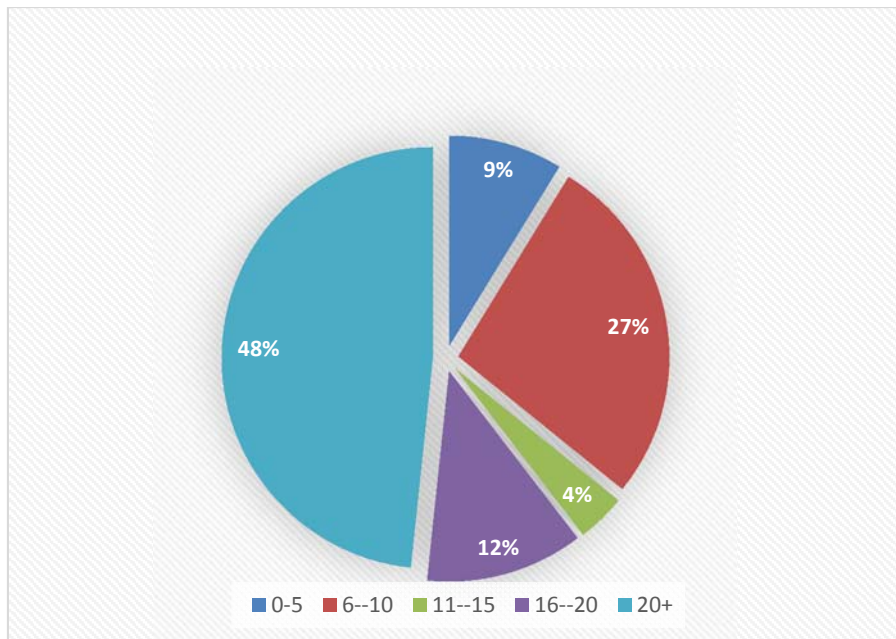


Table 4: Age structure BC and GC vessels

Age		
Age category	No of cases	Percentage
0-5	21	8,8%
6-10	65	27,1%
11-15	9	3,8%
16-20	29	12,1%
20+	116	48,3%
TOTAL	240	100,0%
Average age	21,3	

- The average age of the SSS bulk and cargo vessels is 21.3, however the age category of 20+ represents almost half of the fleet. 1/3 of the fleet is classified between 6-10 yrs old

Figure 4: Size structure of Bulk and General cargo vessels

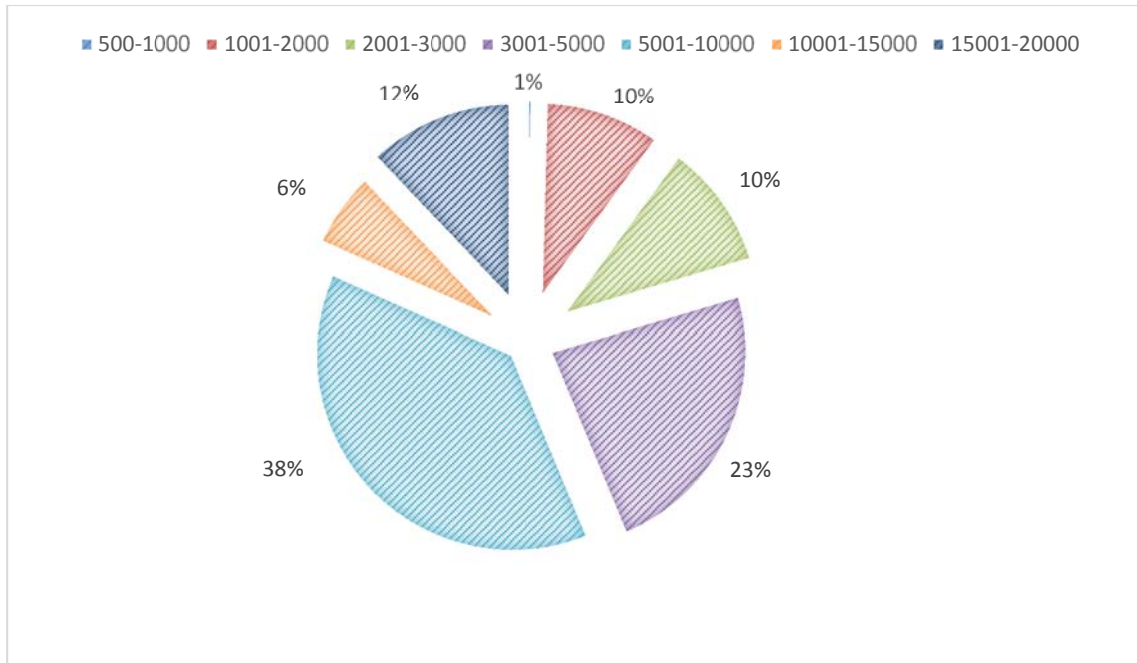


Table 5: Size structure of BC and GC vessels

Size		
Category	No of cases	Percentage
500-1000	1	0,4%
1001-2000	23	9,6%
2001-3000	25	10,4%
3001-5000	56	23,3%
5001-10000	91	37,9%
10001-15000	15	6,3%
15001-20000	29	12,1%
Average age	7089,6	

- The average size of the SSS bulk and cargo vessels is 7.100 dwt
- The major size category is this of 5,001-10,000dwt (38%), followed by the 3,001-5,000 dwt category (23%). This is indication of the gradual increase of the SS Ships' size.

Figure 5: Main flags of SSS BC and GC fleet

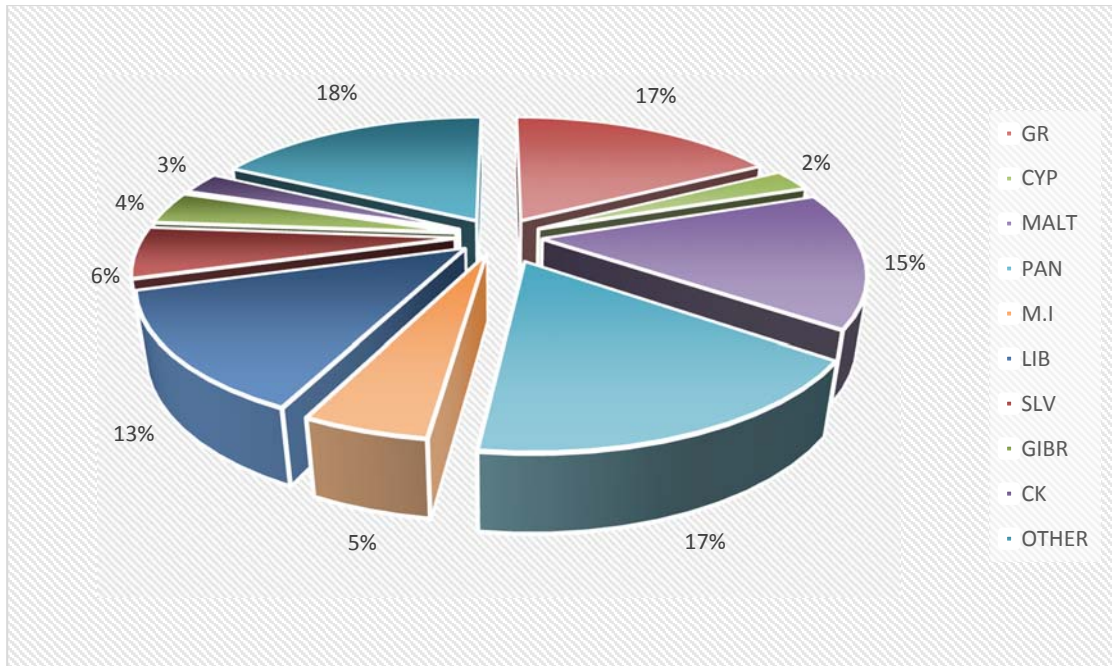


Table 6: Main flags of SSS BC and GC vessels

Flags		
Flag	No of cases	Percentage
GR	41	17,1%
CYP	6	2,5%
MALT	37	15,4%
PAN	41	17,1%
M.I	12	5,0%
LIB	32	13,3%
SLV	14	5,8%
GIBR	9	3,8%
CK	6	2,5%
OTHER	42	17,5%
Total flags recorded	27	

- The top three registries are Greece (17.1%), Panama (17.1%) and Malta (15.4%).
- Cost is the major factor for the selection of registry
- Geographic activity also affects registry selection

SSS Tankers

(500-20,000 dwt)

Table 7: Characteristics of SSS Tanker fleet

Total number of ships	353
Average age (years)	16.4
Average size (dw)	7849.2

Figure 6: Age structure of SSS Tanker fleet

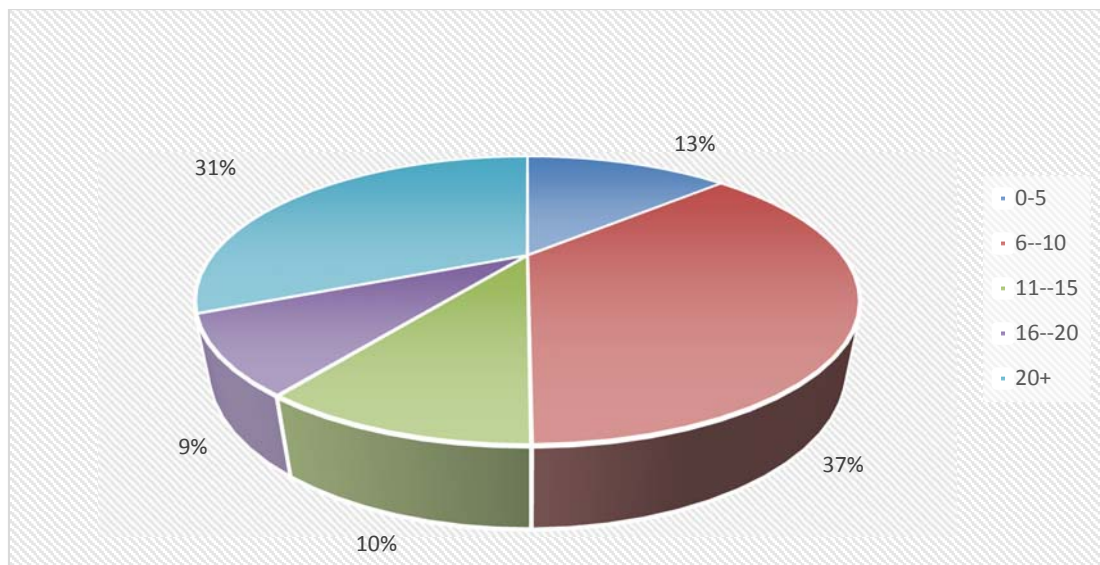
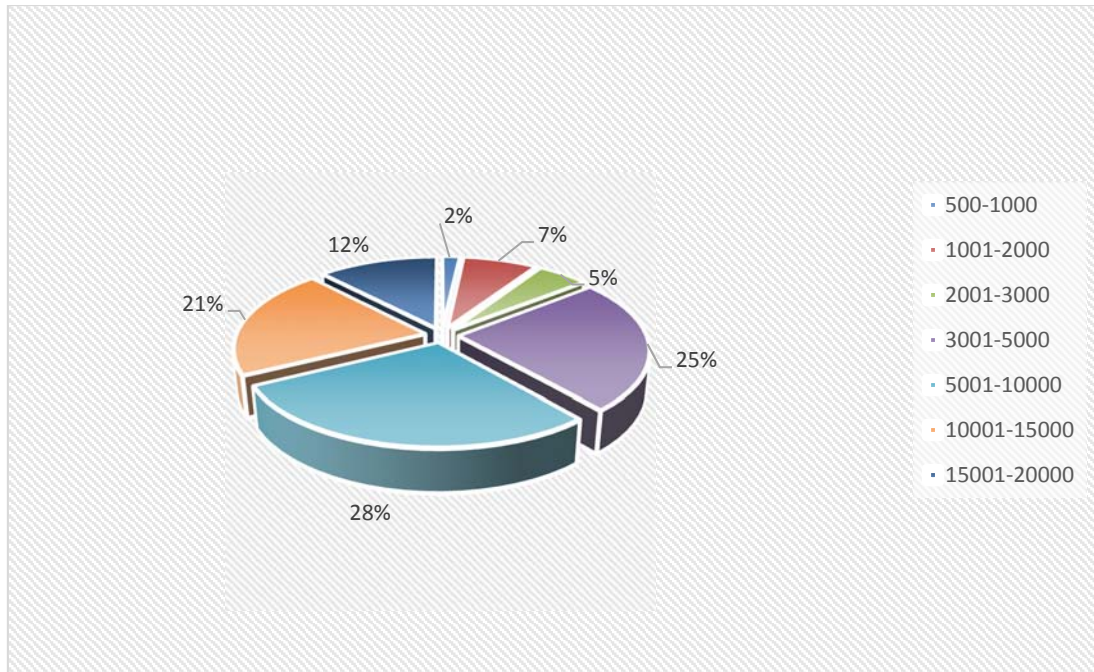


Table 8: Age structure of SSS Tanker fleet

Age		
Age category	No of cases	Percentage
0-5	47	13,3%
6-10	129	36,5%
11-15	36	10,2%
16-20	30	8,5%
20+	111	31,4%
Average age	16,37	

- SSS tanker vessels –compared with the other ship categories- are less old.
- The major age category is this of 6-10 yrs (36.5%).
- However, 1/3 of the tanker fleet is over 20 yrs old.

Figure 7: Size structure of Tanker fleet**Table 9: Size structure of SSS Tanker fleet**

Size		
Size category	No of cases	Percentage
500-1000	6	1,7%
1001-2000	26	7,4%
2001-3000	18	5,1%
3001-5000	87	24,6%
5001-10000	101	28,6%
10001-15000	73	20,7%
15001-20000	42	11,9%
TOTAL	353	100,0%
Average size	7849,2	

- The average size of the SSS tanker fleet is estimated 7,849 dwt.
- In terms of size, the majority of the SSS GR-owned tankers are over 5,000 dwt. Specifically, the 5,001-10,000 dwt category represents 29% of the fleet, while 1/5 is between 10,001-15,000 dwt.
- Significant size category is this of 3,001-5,000 dwt representing almost 25% of the Greek fleet.

Figure 8: Main flags of SSS Tanker fleet

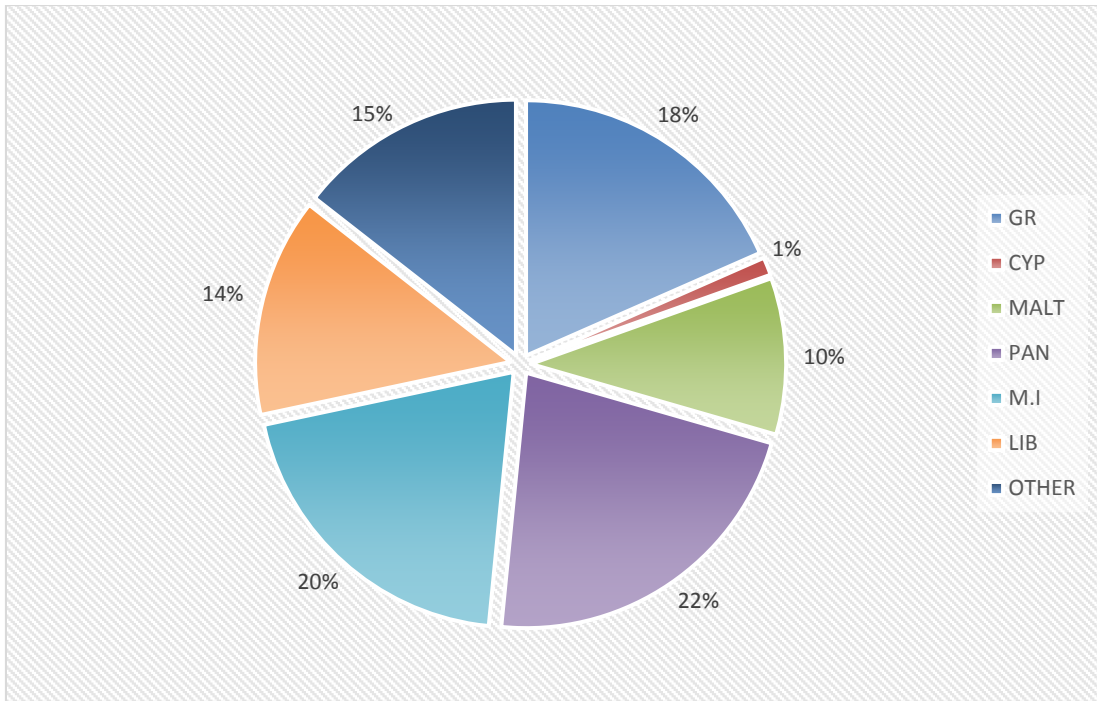


Table 10: Main flags of SSS Tanker fleet

Flags		
Flag	No of cases	Percentage
GR	65	18,4%
CYP	4	1,1%
MALT	35	9,9%
PAN	78	22,1%
M.I	71	20,1%
LIB	49	13,9%
OTHER	51	14,4%
Total flags recorded	22	

- Totally, 22 different flags were recorded
- Top registry is this of Panama representing 22% of the flags recorded
- Marsall Islands (20.1%) and Greece (18.4%) are among the top three registries

SSS Container Fleet (incl. Refrigerators) (500-20,000 DWT)

Table11: Characteristics of SSS Containerships Fleet

Total number of ships	123
Average age (years)	19.9
Average size (dwt)	11.211

Figure 9: Age structure of SSS Container fleet

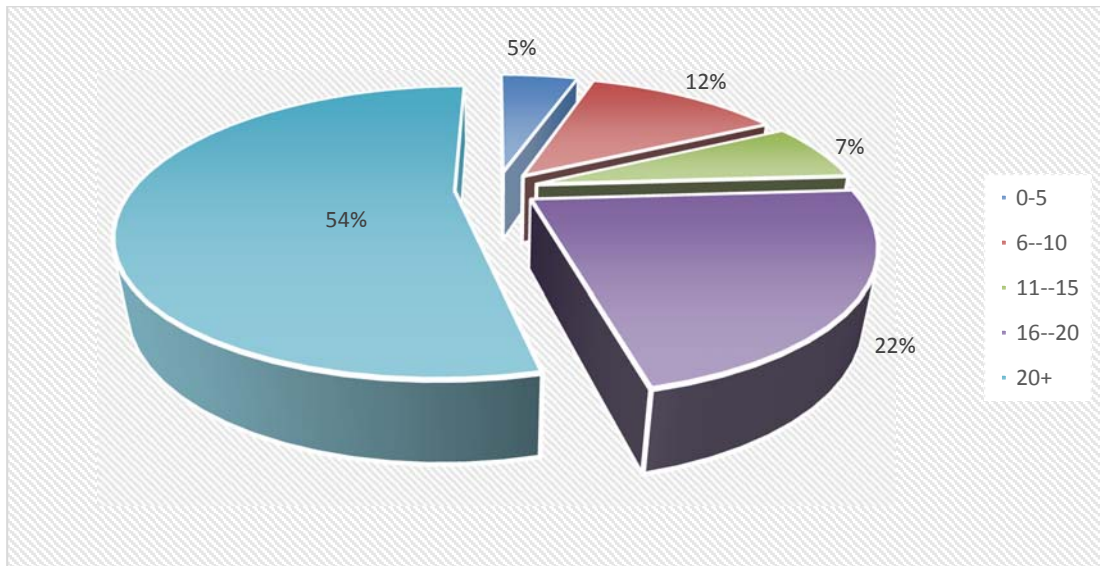


Table 12: Age structure of SSS Container fleet

Age		
Age category	No of cases	Percentage
0-5	6	5,0%
6-10	15	12,4%
11-15	8	6,6%
16-20	27	22,3%
20+	65	53,7%
Average age	19,97	

- Containers represent a smaller percentage of the GR-owned SSS fleet.
- More than 50% of the present fleet is over 20 yrs old and only a limited percentage of 5% is till 5 yrs old.
- The average age of containers vessels is 20 yrs old.

Figure 10: Size structure of SSS Containerships Fleet

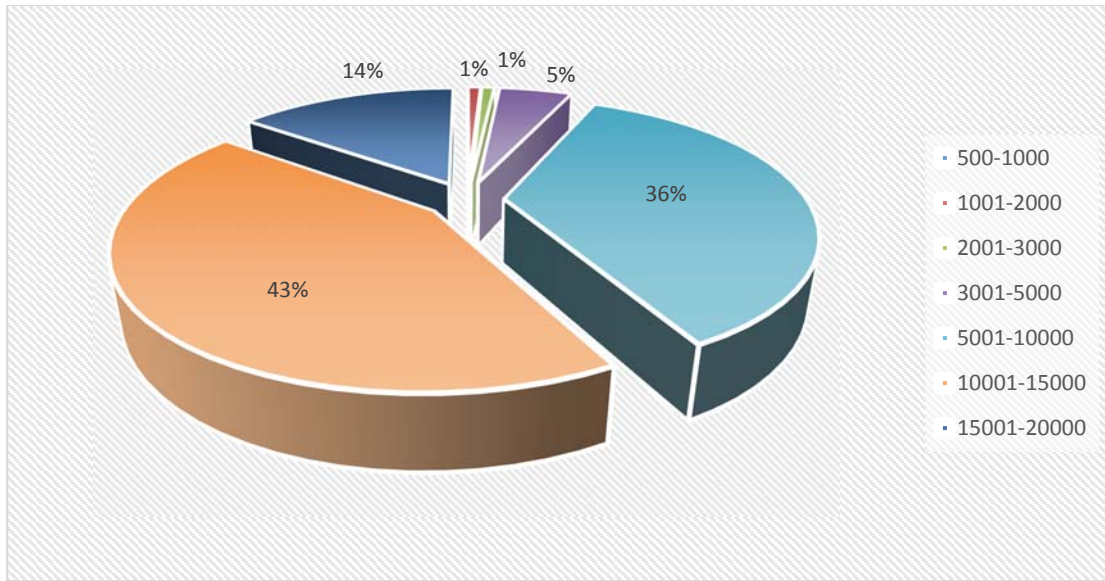


Table 13: Size structure of SSS Containerships Fleet

Size		
Size category	No of cases	Percentage
500-1000	0	0,0%
1001-2000	1	0,8%
2001-3000	1	0,8%
3001-5000	6	4,9%
5001-10000	44	35,8%
10001-15000	53	43,1%
15001-20000	18	14,6%
TOTAL	123	100,0%
Average size	11.212	

- The average size of the container fleet (in terms of dwt) is 11.212 dwt.
- Container vessels are, compared to the other categories, larger by at least 4,000 dwt.
- Container ships till 3,000 dwt represent only 1.6% of the total container fleet, while the size category of 3,001-5000 dwt is less than 5%.
- The major category is this of 10,001-15,000 dwt representing more than 40% of the fleet.

Figure 11: Main flags of SSS Containerships fleet

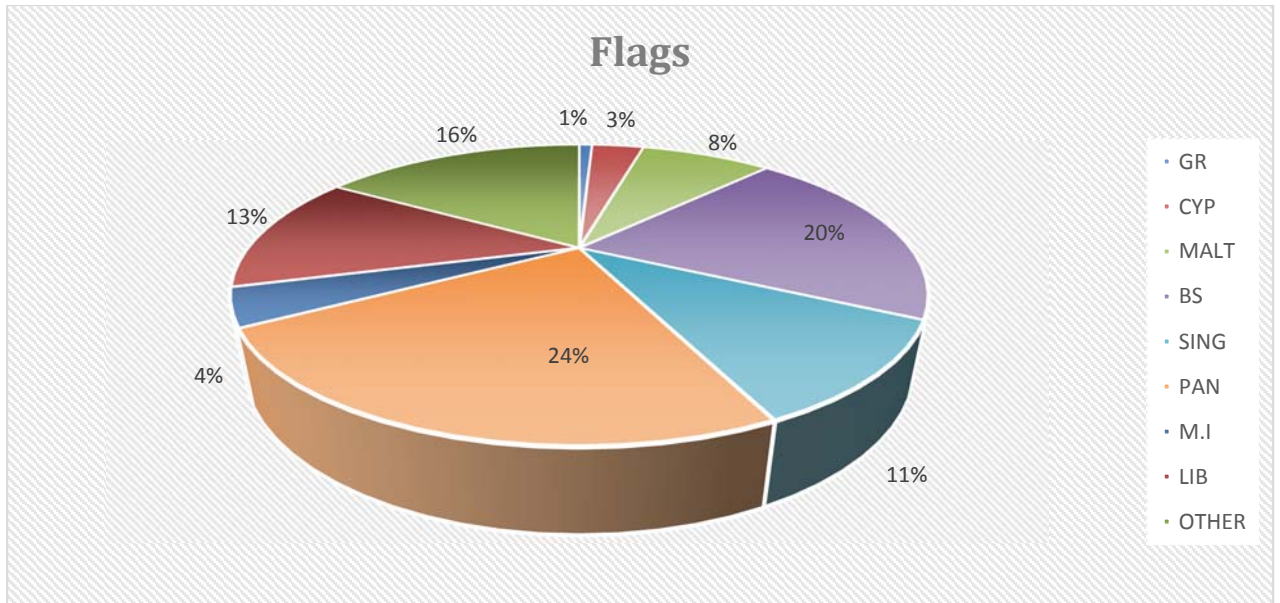


Table 14: Main flags of SSS Containerships fleet

Flags		
Flag	No of cases	Percentage
GR	1	0,8%
CYP	4	3,3%
MALT	10	8,1%
BS	25	20,3%
SING	13	10,6%
PAN	29	23,6%
M.I	5	4,1%
LIB	16	13,0%
OTHER	20	16,3%
TOTAL	123	100,0%
Total flags recorded	27	

- Totally, 27 different registries are recorded
- Again the main registry is this of Panama representing almost 24%, followed by BS with 20.3%.
- It is noted that the vessels flying the Greek flag represent only 0.8% (1 ship)

SSS Ro-Ro Fleet (incl. Vehicle Carrier)
(500-20,000 DWT)

Table 15: Characteristics of SSS Ro-Ro Fleet

Total number of ships	25
Average age (years)	31.36
Average size (dwt)	3791.3

Figure 12: Age structure of SSS Ro-Ro fleet

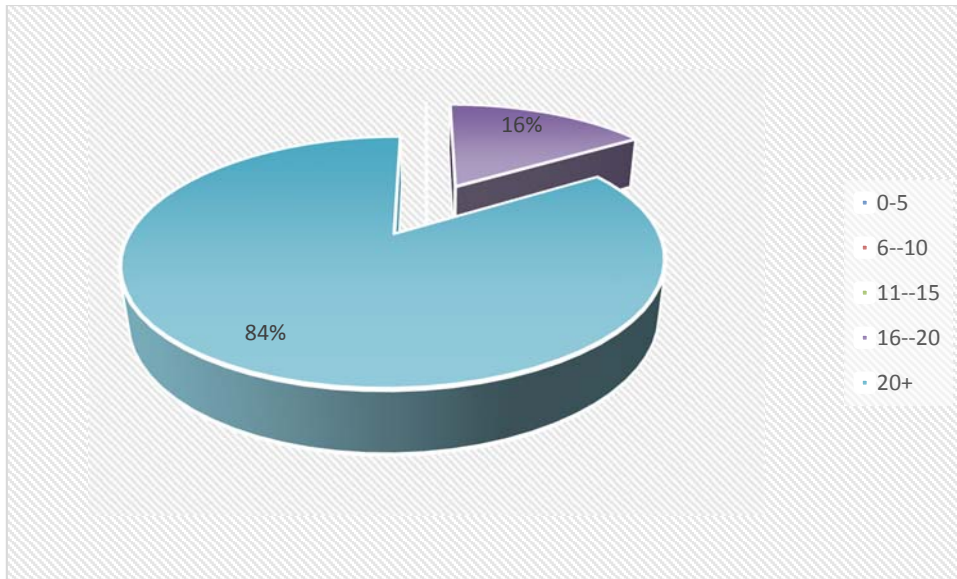


Table 16: Age structure of SSS Ro-Ro- Fleet

Age		
Age category	No of cases	Percentage
0-5	0	0,0%
6-10	0	0,0%
11-15	0	0,0%
16-20	4	16,0%
20+	21	84,0%
TOTAL	25	100,0%

- The average age of the SSS Ro-Ro fleet is 31.3 yrs old. Compared to the other segments this is the most aged category
- It is noted that all ships are over 16 yrs old and no ship was classified in the 0-15 yrs category
- 84% of SSS Ro-Ro ships is over 20 yrs old.

Figure 13: Size structure of SSS Ro-Ro- Fleet

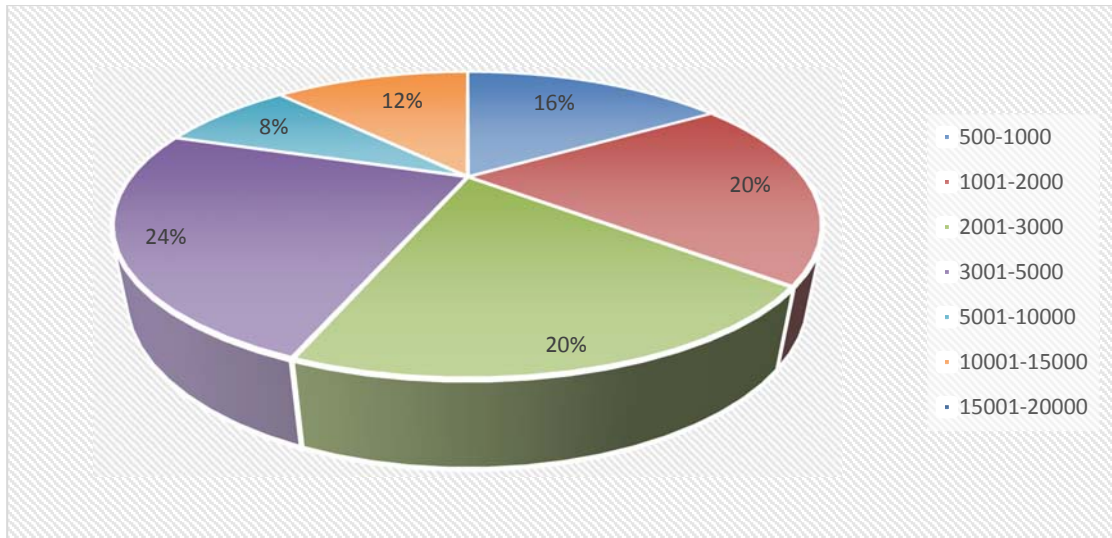


Table 17: Size structure of SSS Ro-Ro- Fleet

Size		
Age category	No of cases	Percentage
500-1000	4	16,0%
1001-2000	5	20,0%
2001-3000	5	20,0%
3001-5000	6	24,0%
5001-10000	2	8,0%
10001-15000	3	12,0%
15001-20000	0	0,0%
TOTAL	25	100,0%
Average size	3791,36	

- The average size of the SSS Ro-Ro fleet is 3,800 dwt implying that this fleet category consist of smaller ships.
- 80% of the fleet is till 5,000 dwt while no ship is recorded in the 15,001-20,000 dwt category.

Figure 14: Main flags of SSS Ro-Ro fleet

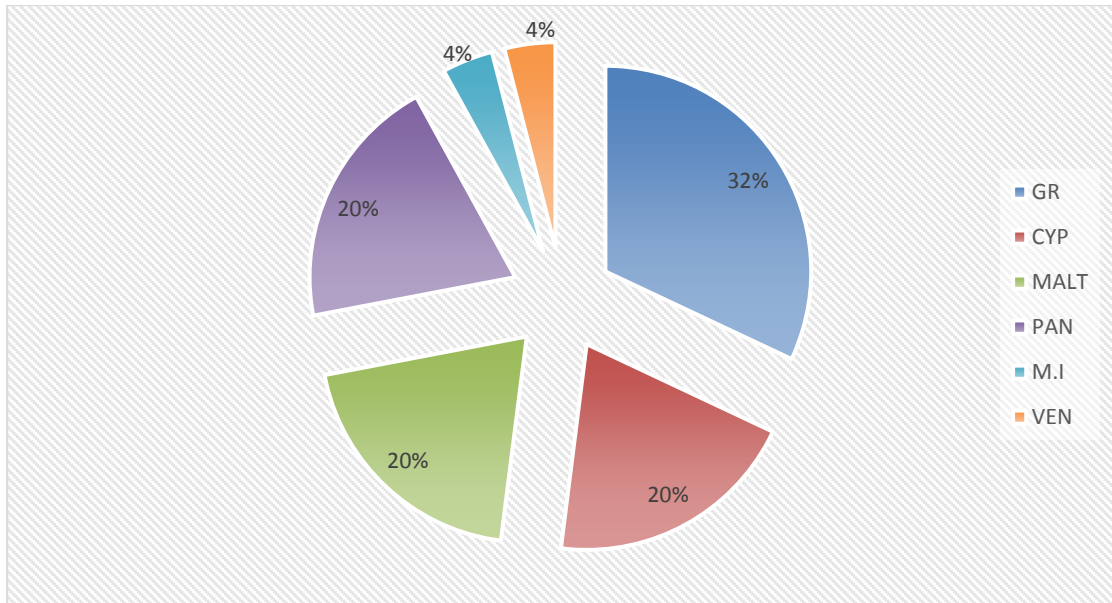


Table 18: Main flags of SSS Ro-Ro fleet

Flags		
Flag	No of cases	Percentage
GR	8	30,8%
CYP	5	19,2%
MALT	5	19,2%
PAN	5	19,2%
M.I	1	3,8%
VEN	1	7,7%
TOTAL	25	100,0%

- Twenty five different flags were recorded
- 1/ 3 of the fleet is registered under the Greek flag
- Cyprus, Malta and Panama are among the top four flags (19.2%)