



**HBMC I**

Hellenic Bureau  
for Marine  
Casualties  
Investigation

# **HBMC I's REPORT**

**FOR**

**2016**

[PIRAEUS - JANUARY 2017](#)

# HBMCI's REPORT FOR 2016

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## PROLOGUE

The Hellenic Bureau of Marine Casualties Investigation (HBMCI) was established by Law 4033/2011 (Government Gazette 264 A'/ 22 December 2011), within the scope of enforcement of the European Directive 2009/18/EC.

HBMCI conducts technical investigations after marine casualties or marine incidents with main task, through the analysis of the considered incident, to identify the contributing factors that led to it, to draw conclusions and to issue safety recommendations to the parties involved in the marine casualty, aiming to prevent or avoid future marine accidents.

The purpose of investigating marine casualties and incidents is not the setting or apportioning of blame or liability.

This report contains data regarding the marine accidents which were reported to HBMCI at late 2012, 2013, 2014, 2015 and 2016 (until 31-12-2016), falling under the scope of Law 4033/2011.

## SUMMARY

The statistics which are shown in this report on pages from 03 up to 07 are related to the casualty reports that have been made to HBMCI from 01-01-2013 until 31-12-2016.

**2**

The following table, on pages from 08 up to 10 groups the reported casualties according to their severity, the type of ship and the place onboard where they occurred.

In the following pages, from page 11 up to page 16 there is a depiction of the marine accidents and the very serious marine accidents which have been recorded to the European Marine Casualty Information Platform (EMCIP), up to 31-12-2016.

After these statistics, there are tables on pages from 17 up to 29 which show the progress of each investigation which has been commenced by our Bureau. The tables contain a brief summary for each investigated incident and show schematically the stage which has already been completed for each investigation, in a self-explanatory way.

On page 30, there is an overview of HBMCI's Casualty Investigation Statistics, regarding the type of ship and the ship's Flag, for the investigations that have been commenced by our Bureau.

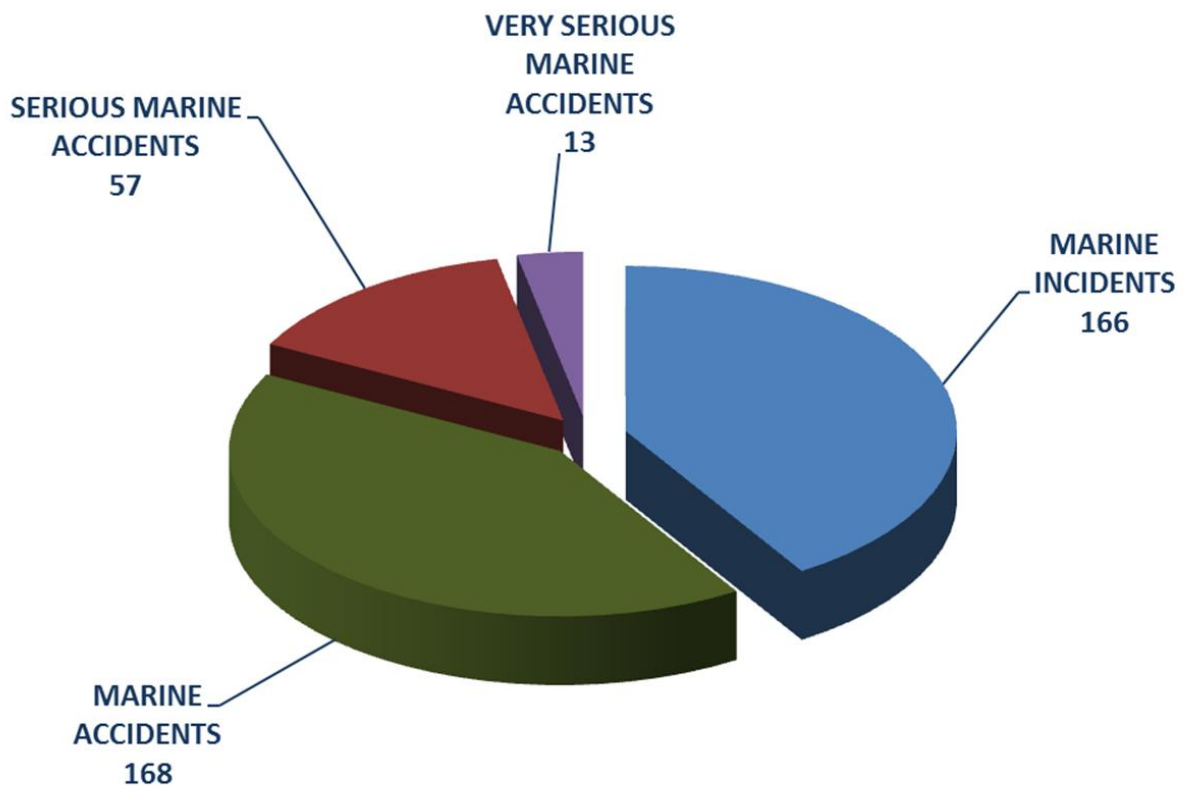
On pages 31-32, there is an overview of the occurrences' population in the European Marine Casualty Information Platform (EMCIP) by HBMCI.

At the final part of the report, on pages 33-34 there are two charts showing the Safety Recommendations issued by HBMCI per year and per addressee.

# HBMCI's STATISTICS FOR THE YEAR 2016

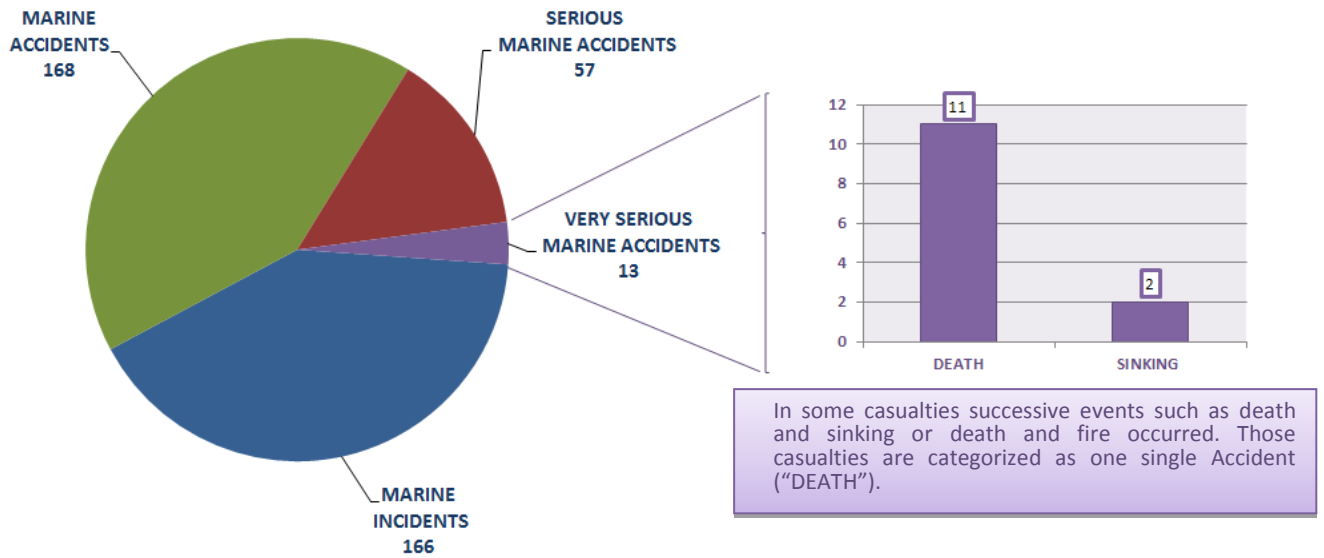
## OVERVIEW OF CASUALTY REPORTS MADE TO HBMCI IN 2016<sup>1</sup>

### CASUALTIES REPORTED TO HBMCI IN 2016



**Graph 2016.1:** Casualties reported to HBMCI in 2016, falling under the scope of Directive 2009/18 EC

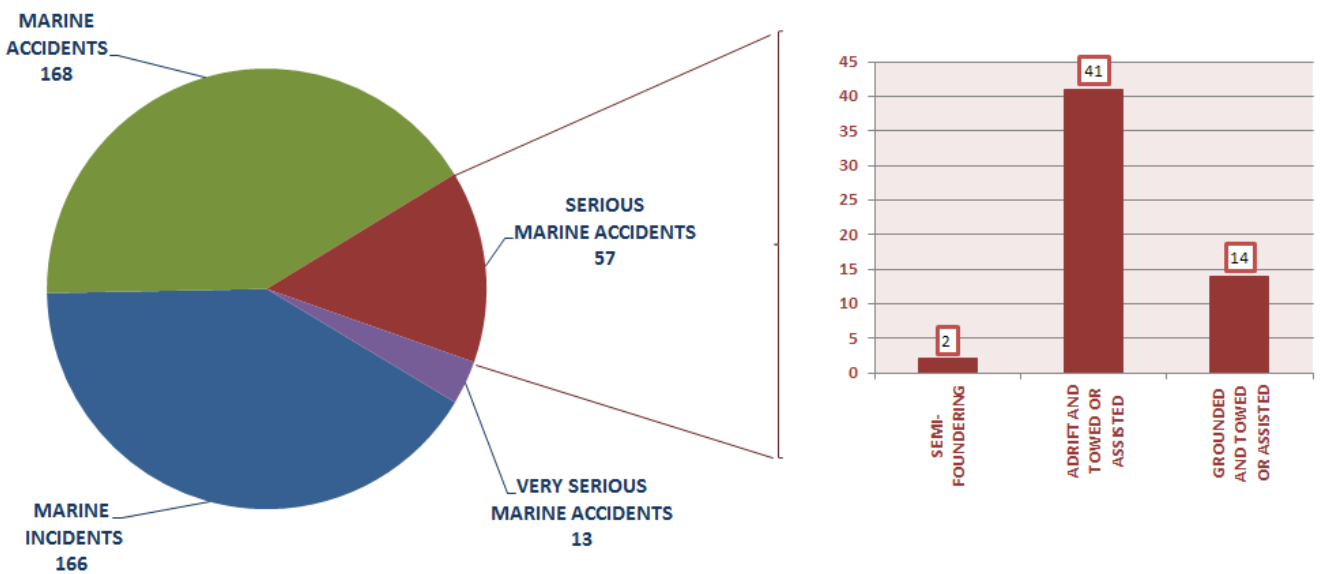
### CATEGORIES OF VERY SERIOUS MARINE ACCIDENTS FOR 2016



**Graph 2016.2:** Categories of very serious marine accidents for 2016\*

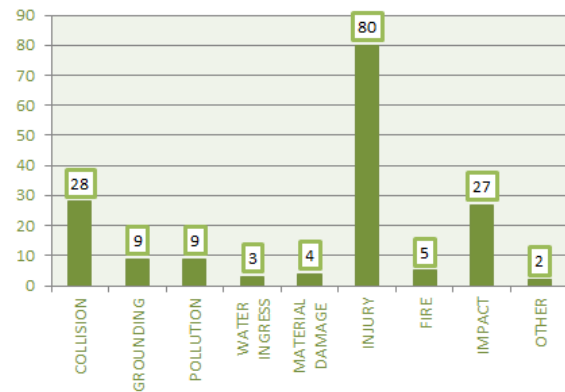
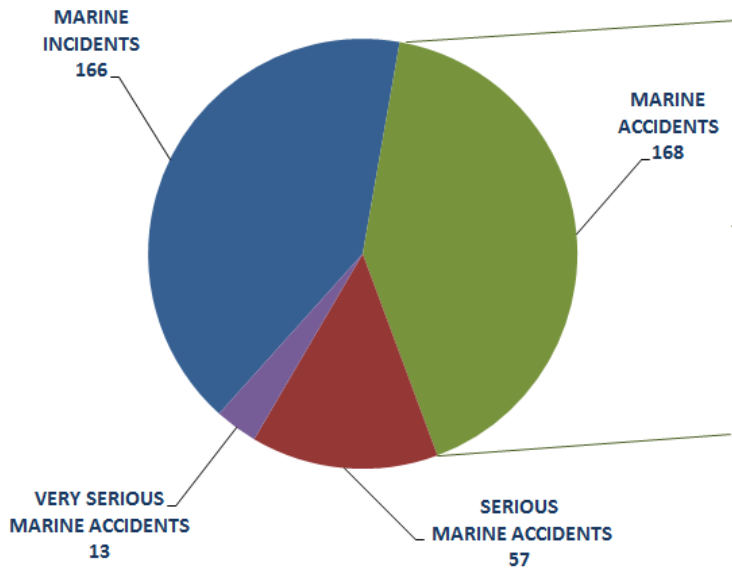
**\*Important notice:** The number of very serious casualties concerning loss of life is under constant review, because in cases where the reasons of death prove to be clearly pathologic (after the post-mortem report is issued), the relevant occurrences will be extracted from the scope of HBMCI.

### CATEGORIES OF SERIOUS MARINE ACCIDENTS FOR 2016



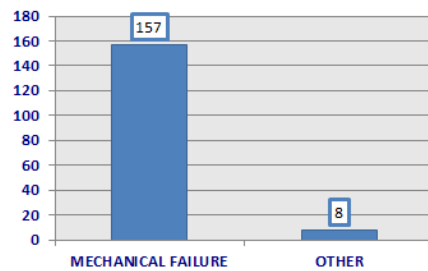
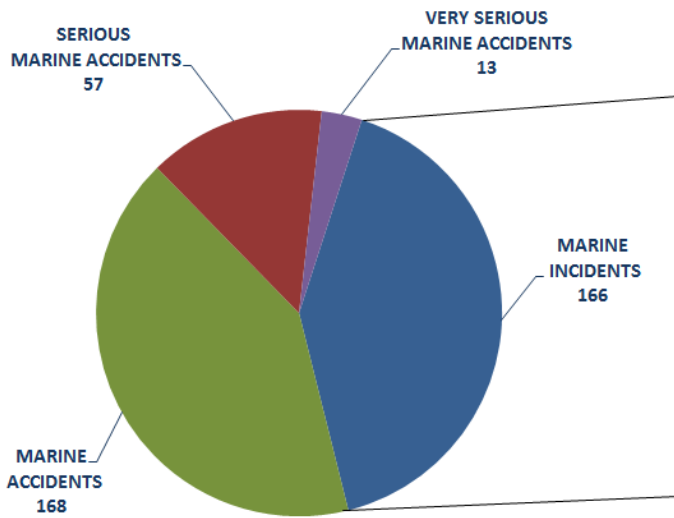
**Graph 2016.3:** Categories of serious marine accidents for 2016

### CATEGORIES OF MARINE ACCIDENTS FOR 2016



**Graph 2016.4:** Categories of marine accidents for 2016

### CATEGORIES OF MARINE INCIDENTS FOR 2016

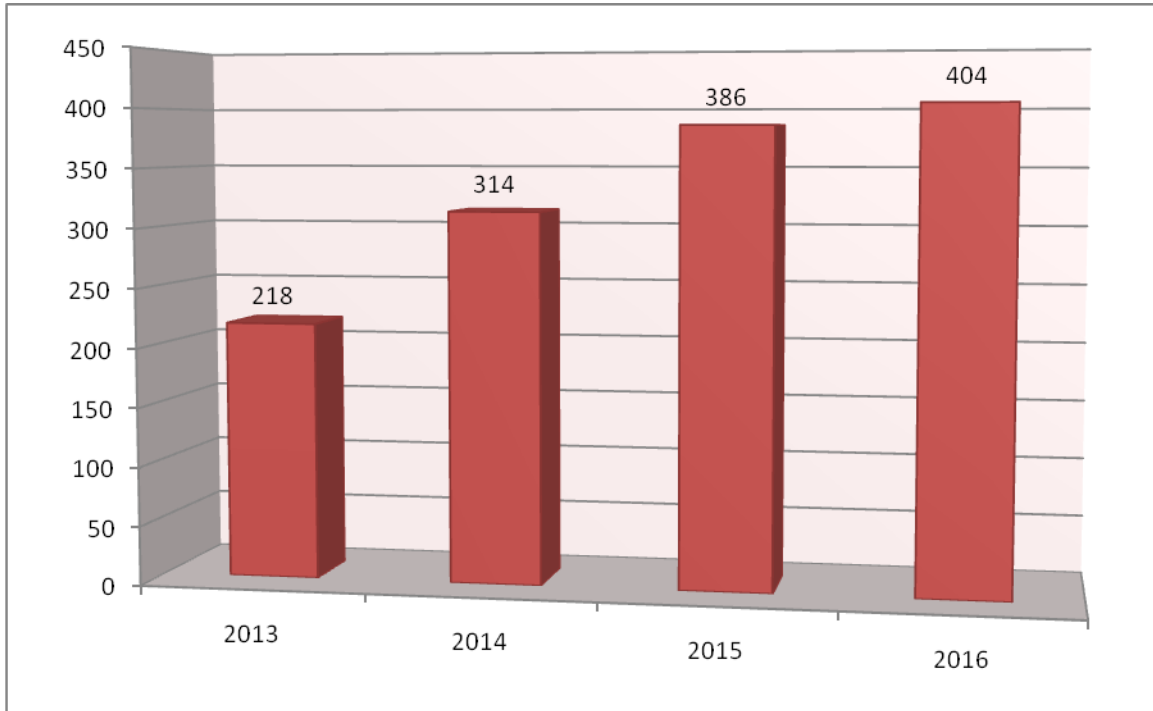


**Graph 2016.5:** Categories of marine incidents for 2016

<sup>1</sup>Classification in accordance with the definitions contained in the IMO Code for the Investigation of Marine Casualties and Incidents, as set out in paragraph A' of Annex II of Law 4033 / 2011 (A' 264), as well as IMO Circular MSC-MEPC 3/Circ.3

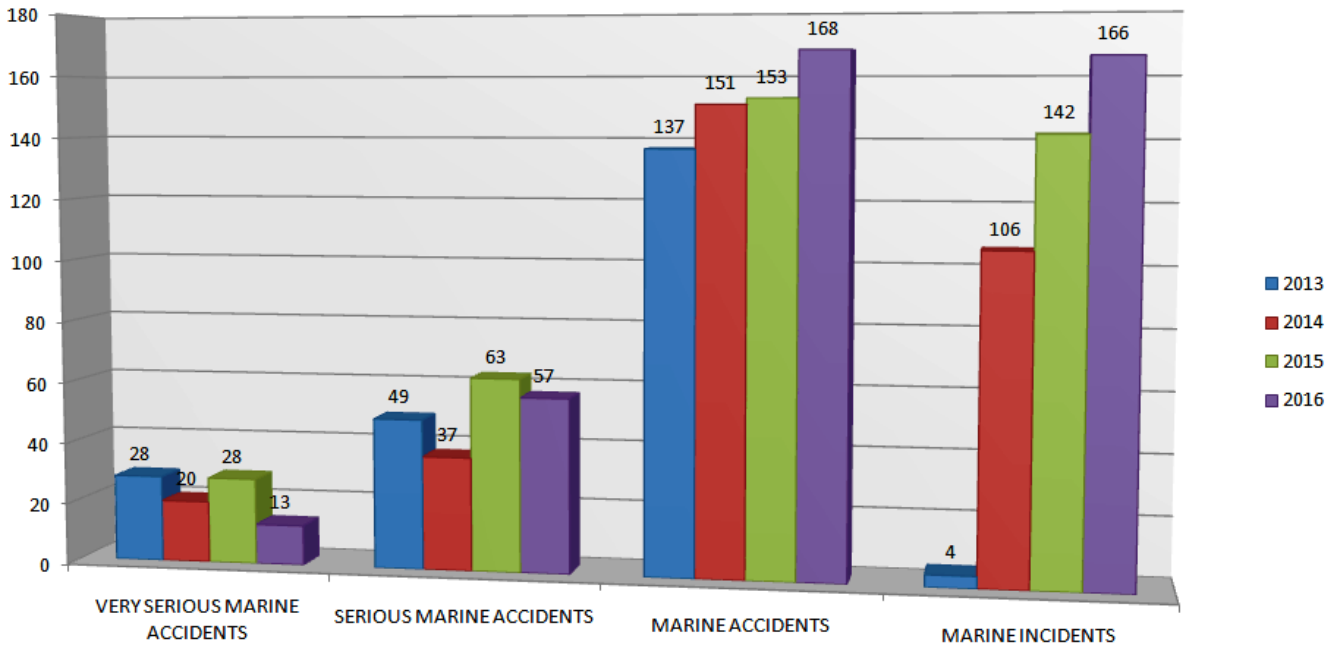
# OVERVIEW OF ACCIDENTS FROM 2013 UNTIL 2016

**TOTAL NUMBER OF MARINE ACCIDENTS & INCIDENTS**



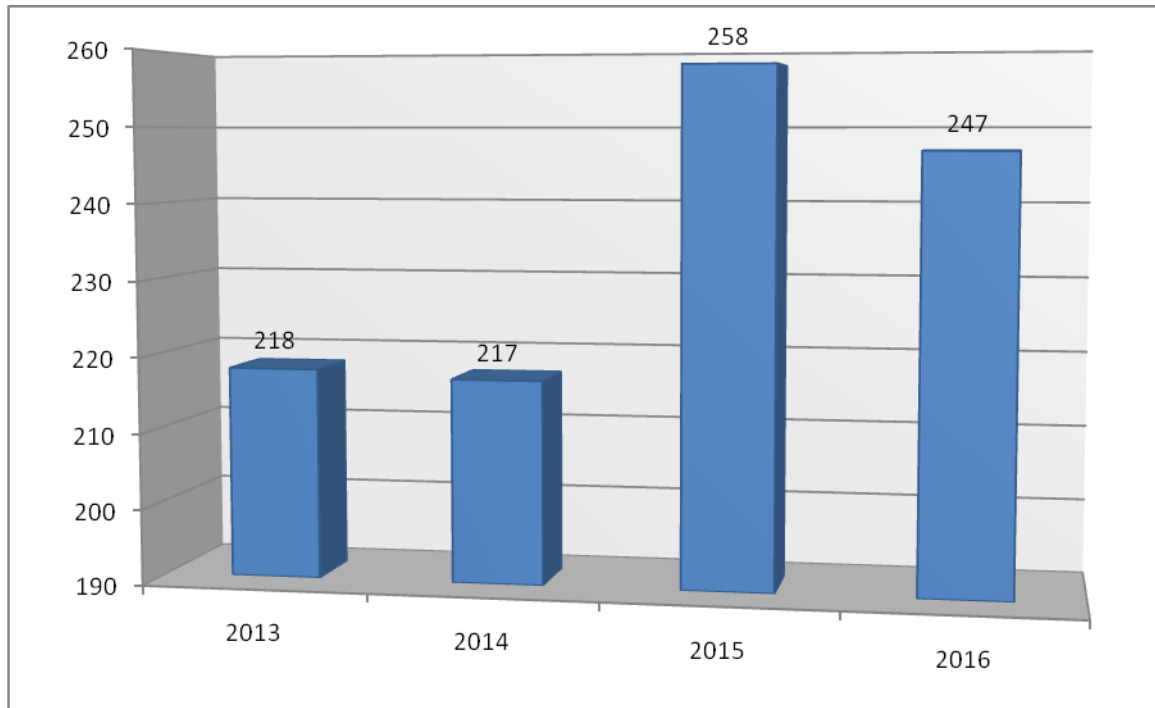
**Graph 2013-2016.1:** Total Number of Marine Accidents & Incidents\* per year  
 (\*Mechanical Failures have been included in the total Incidents' number)

**CATEGORIES OF MARINE ACCIDENTS PER YEAR**



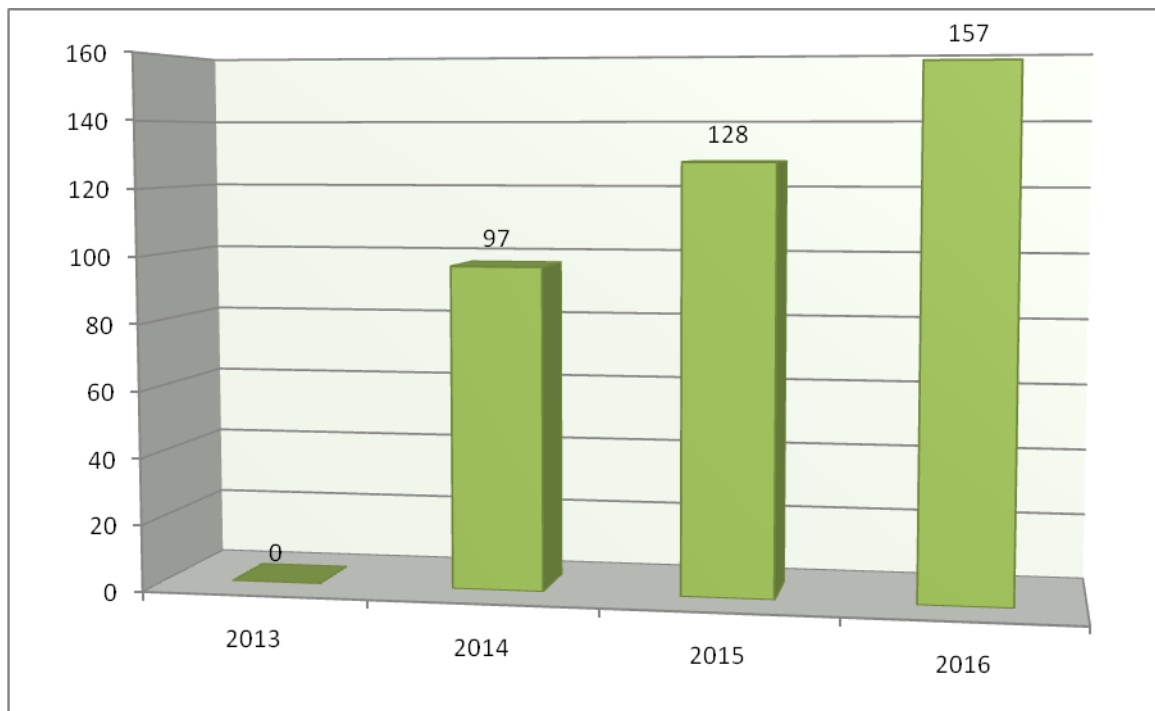
**Graph 2013-2016.2:** Marine Accidents & Incidents\* per year  
 (\*Mechanical Failures have been included in the total Incidents' number)

### TOTAL NUMBER OF MARINE ACCIDENTS & INCIDENTS



**Graph 2013-2016.3:** Total Number of Marine Accidents & Incidents\* per year  
 (\*Mechanical Failures have NOT been included in the total Incidents' number)

### TOTAL NUMBER OF MECHANICAL FAILURES PER YEAR




**Graph 2013-2016.4:** Total Number of Mechanical Failures per year (there were no records available for 2013)







# CASUALTIES AS PER TYPE OF SHIP / PLACE ON BOARD

Source: EMCIP stats for HBMCI as Investigation Body or Interested Authority

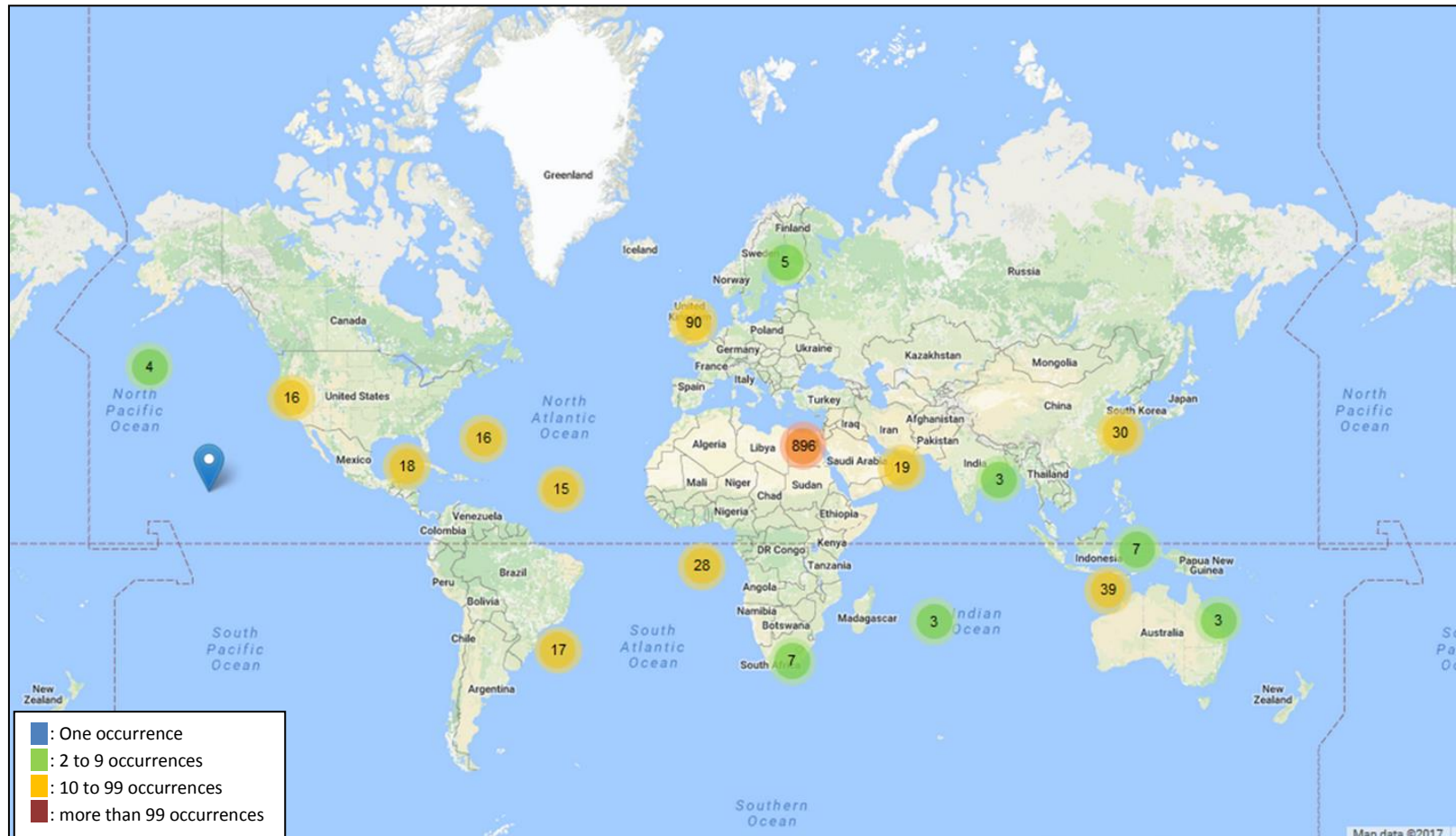
- NOTES:**
- \*Casualty may refer to damage to ship or material, injury, death, pollution, etc.
  - \* Time period extends from **01-01-2011** to **31-12-2016**.
  - \* One occurrence may include casualties in more than one space.
  - \* Casualty severity derives from EMCIP definitions.

Ship / craft type	Place on board	Number of casualties	Casualty severity			
			Very serious	Serious	Less serious	Marine incident
 Cargo ship (all types)	Accommodation (other spaces)	1				1
	Aft peak tank	1			1	
	Aloft	1	1			
	Ashore	2		1	1	
	Ballast tank	9		3	5	1
	Bathroom, shower, toilet	1			1	
	Boat deck	28		6	4	18
	Boiler room	1				1
	Bridge	6		1		5
	Bridge deck	23		1		22
	Bulbous	11		7	4	
	Bunker tank	5		2	1	2
	Cabin space - crew	5		3	1	1
	Cargo hold/cargo tank area	52	3	9	1	39
	Chain locker	8		1	1	6
	Engine room/ control room/ space	116		22	60	34
	Forecastle/Forecastle deck	15	1	1	3	10
	Forepeak tank	9		5		4
	Freeboard deck	9		1	1	7
	Galley spaces/mess room/day room	13			1	12
	Gangway	10			2	8
	Laundry	3			1	2
	Open deck cargo space	28		2	2	24
	Other space	116	5	7	49	55
	Over side	11		3	8	
	Poop deck	6		1	2	3
	Propeller/rudder/thruster	7		6	1	
Pump room	2			1	1	
Stairs/ladders	25		3	5	17	
Steering gear room	3			1	2	
Superstructure deck	1				1	

Ship / craft type	Place on board	Number of casualties	Casualty severity			
			Very serious	Serious	Less serious	Marine incident
 <p>Fishing vessels</p>	Bulbous	3		2	1	
	Bunker tank	1			1	
	Engine room/ control room /space	39	1	29	9	
	Forecastle/Forecastle deck	2		2		
	Other	38	4	17	17	
	Over side	12	1	6	5	
	Poop deck	1			1	
	Propeller/rudder/thruster	6		3	3	
	Pump room	1		1		
	Steering gear room	1		1		
	Superstructure deck	1		1		
	Tunnel/ duct keel	1		1		
 <p>Passenger ship (all types)</p>	Accommodation (other spaces)	11		4	7	
	Ashore	1				1
	Auxiliary engine room	1		1		
	Bathroom, shower, toilet	6		1	5	
	Boat deck	9		2	7	
	Boiler room	1			1	
	Bridge deck	2		1	1	
	Bulbous	6			6	
	Bunker tank	1		1		
	Cabin space - crew	3		2	1	
	Cabin space - passengers	6		3	3	
	Chain locker	6			6	
	Engine room/ Control Room/department	138	2	27	109	
	Forecastle/Forecastle deck	1			1	
	Forepeak tank	2			2	
	Freeboard deck	4		1	3	
	Galley spaces/mess room/day room	3			3	
	Gangway	29		8	21	
	Mess room/ day room	1			1	
	Other	73	6	21	45	1
	Over side	16	1	4	10	1
Poop deck	3		2	1		
Propeller/rudder/thruster	42		12	30		
Pump room	1		1			
Restaurant/Bar	5			5		
Ro-Ro vehicle deck ramp	9		1	8		
Stairs/ladders	35		5	30		
Steering gear room	9		6	3		

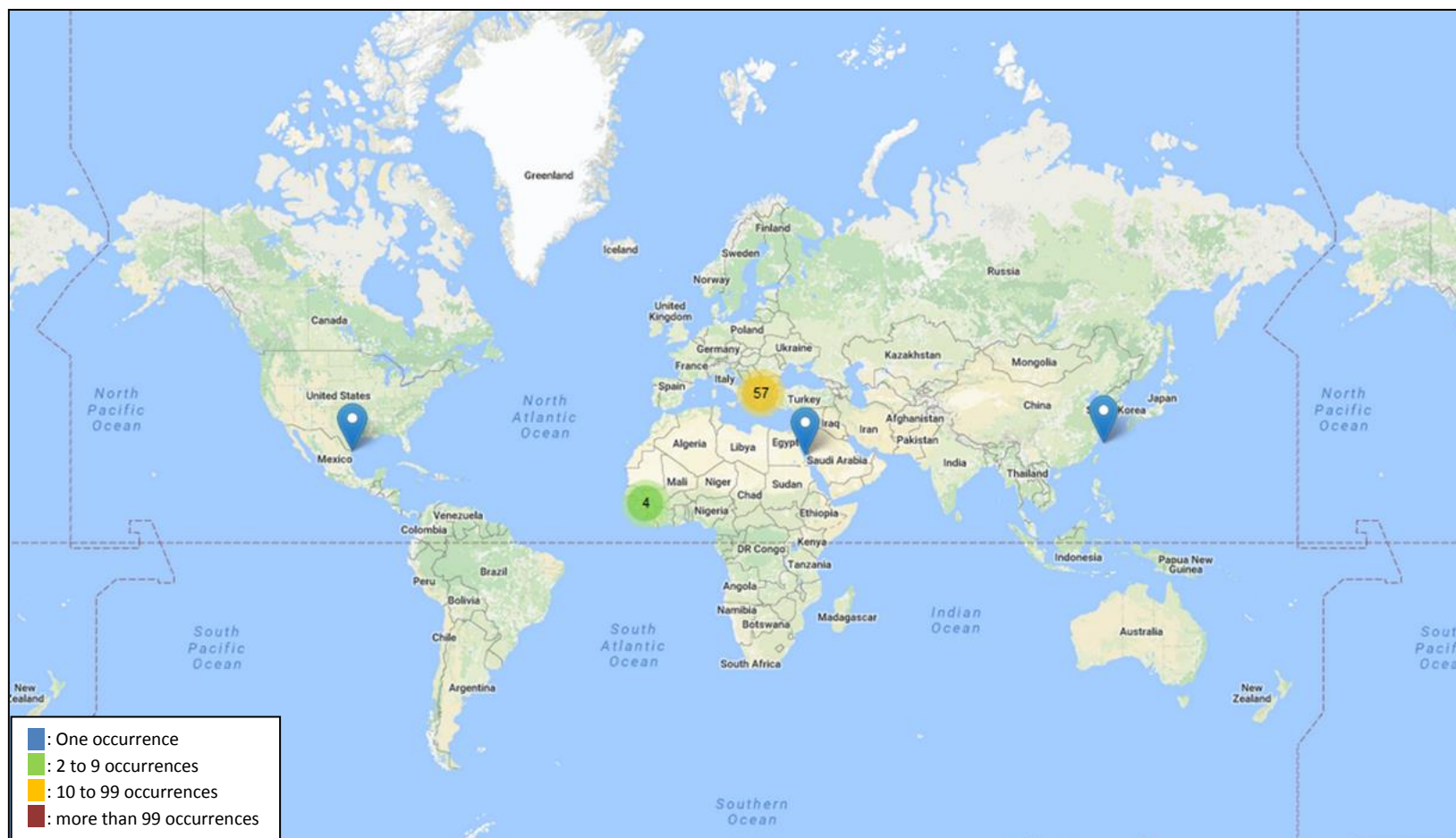
Ship / craft type	Place on board	Number of casualties	Casualty severity			
			Very serious	Serious	Less serious	Marine incident
	Superstructure deck	2			2	
	Tunnel / duct keel	5		3	2	
	Vehicle cargo space	9	1	4	4	
	Wheelhouse	2		1	1	
 Recreational craft	Accommodation (other spaces)	1			1	
	Cabin space - passengers	3		2	1	
	Engine room/department	5	1	3	1	
	Freeboard deck	1			1	
	Gangway	3			3	
	Other	15	2	6	7	
	Over side	4	1	1	2	
Tunnel / duct keel	1		1			
 Service ship	Boat deck	8		4	4	
	Cabin space - crew	1			1	
	Engine room/space	10	1	1	8	
	Open deck cargo space	1	1			
	Other	15	1	2	12	
	Superstructure deck	1		1		
<b>TOTAL</b>		<b>1145</b>	<b>33</b>	<b>280</b>	<b>553</b>	<b>279</b>

## MARINE ACCIDENTS (except very serious) worldwide<sup>1</sup> (Source: EMCIP, 31-12-2016)



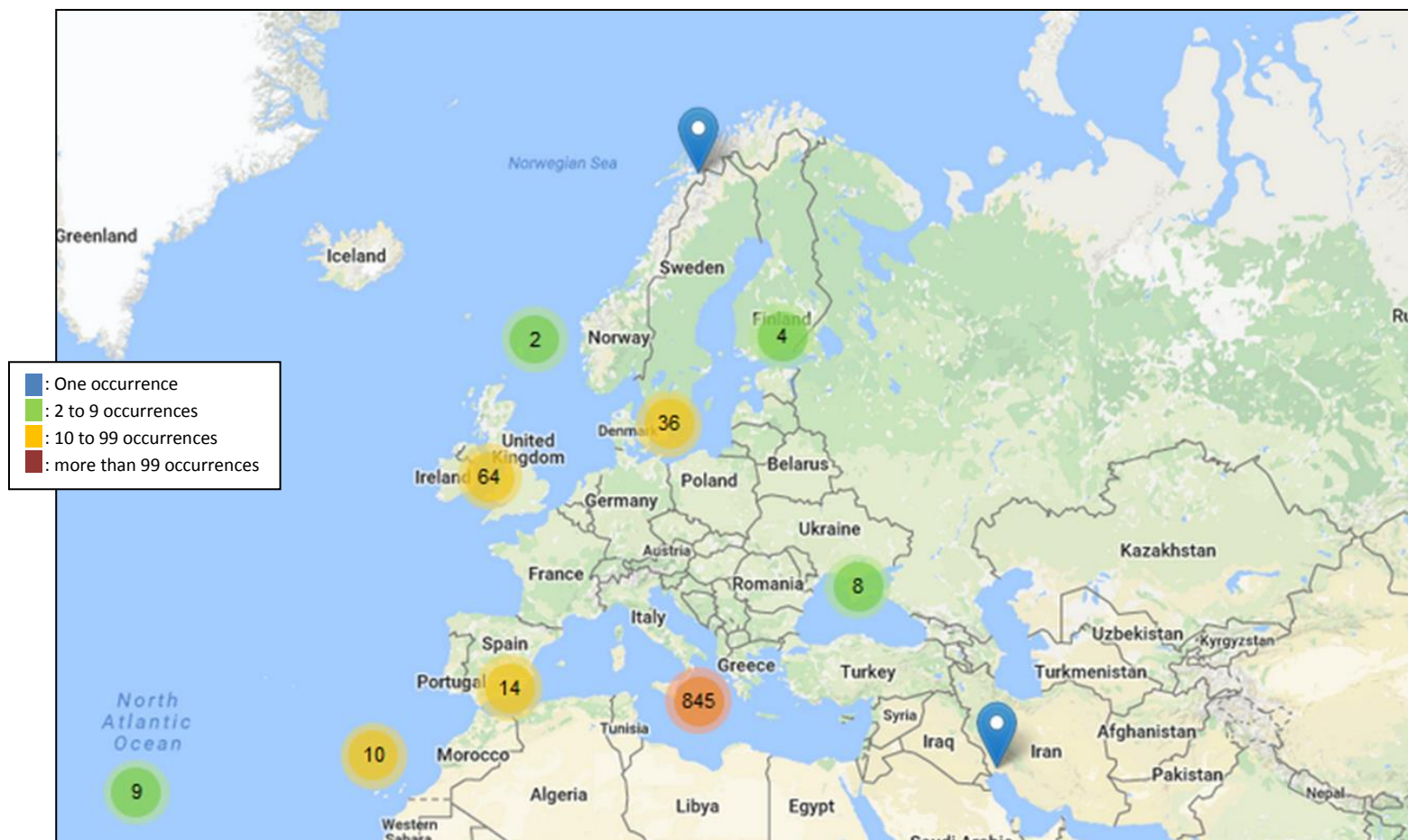
<sup>1</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).

## VERY SERIOUS MARINE ACCIDENTS Worldwide<sup>2</sup> (Source: EMCIP, 31-12-2016)



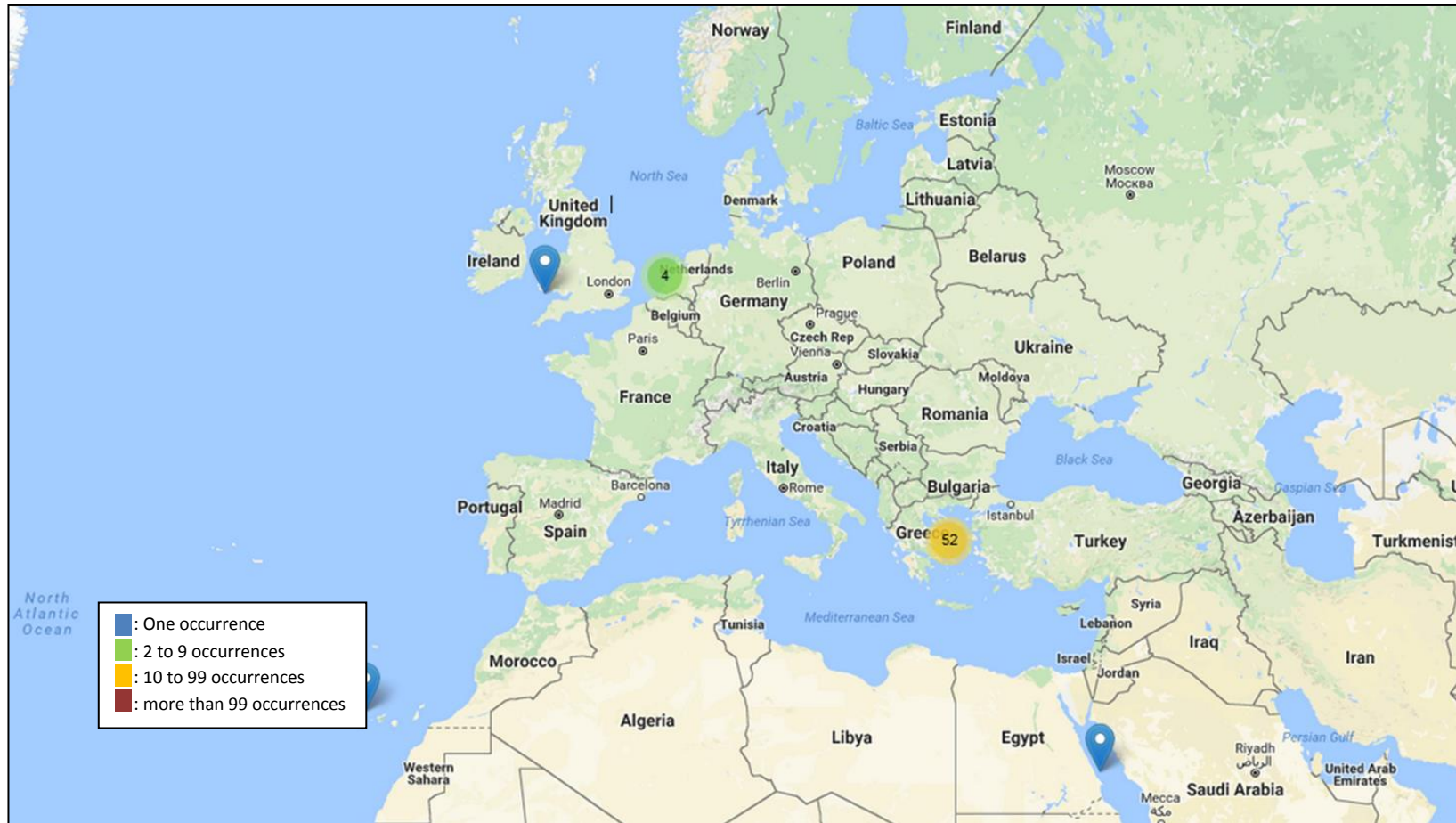
<sup>2</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).

### MARINE ACCIDENTS (except very serious) in European territory<sup>3</sup> *(Source: EMCIP, 31-12-2016)*



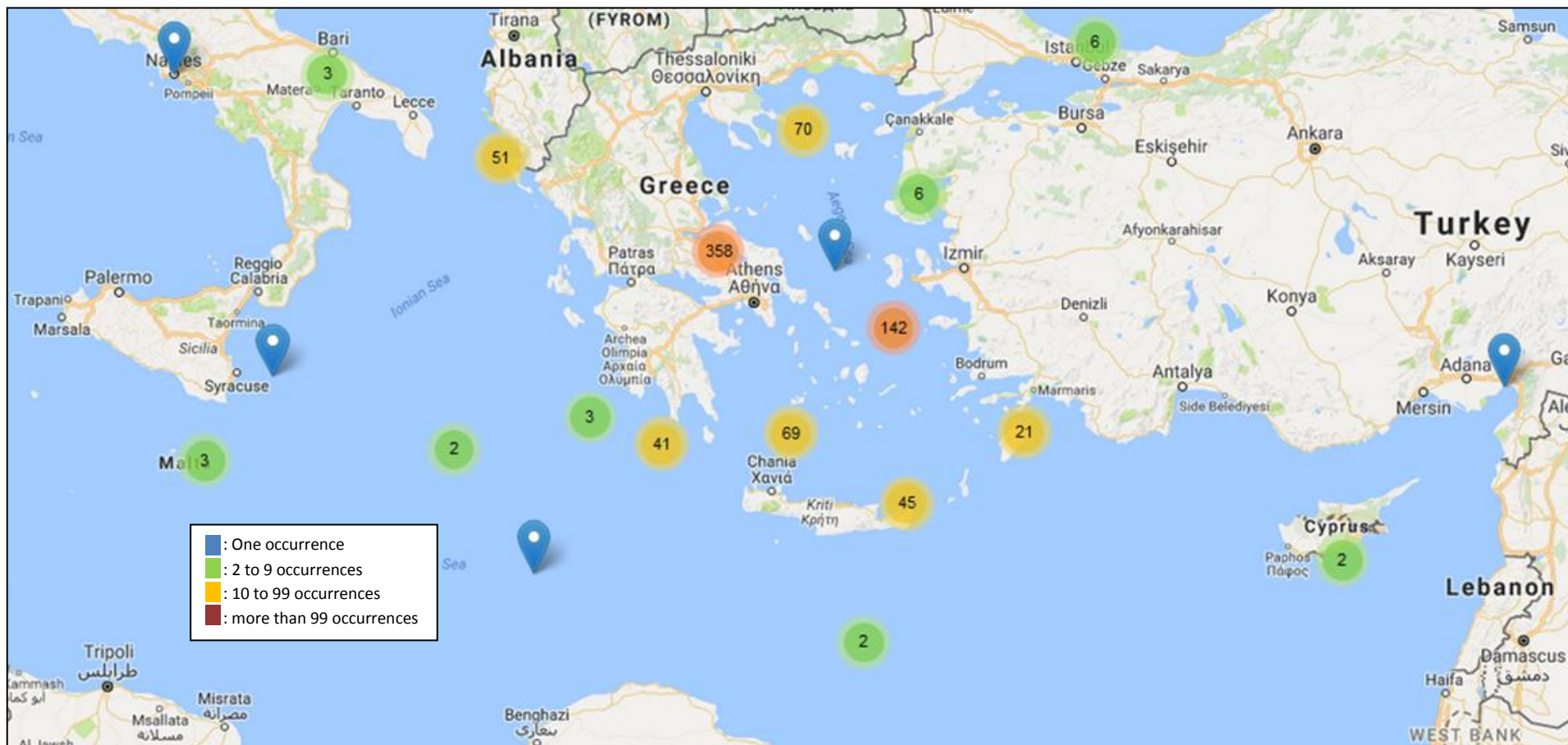
<sup>3</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).

## VERY SERIOUS MARINE ACCIDENTS in European territory <sup>4</sup> *(Source: EMCIP, 31-12-2016)*



<sup>4</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).

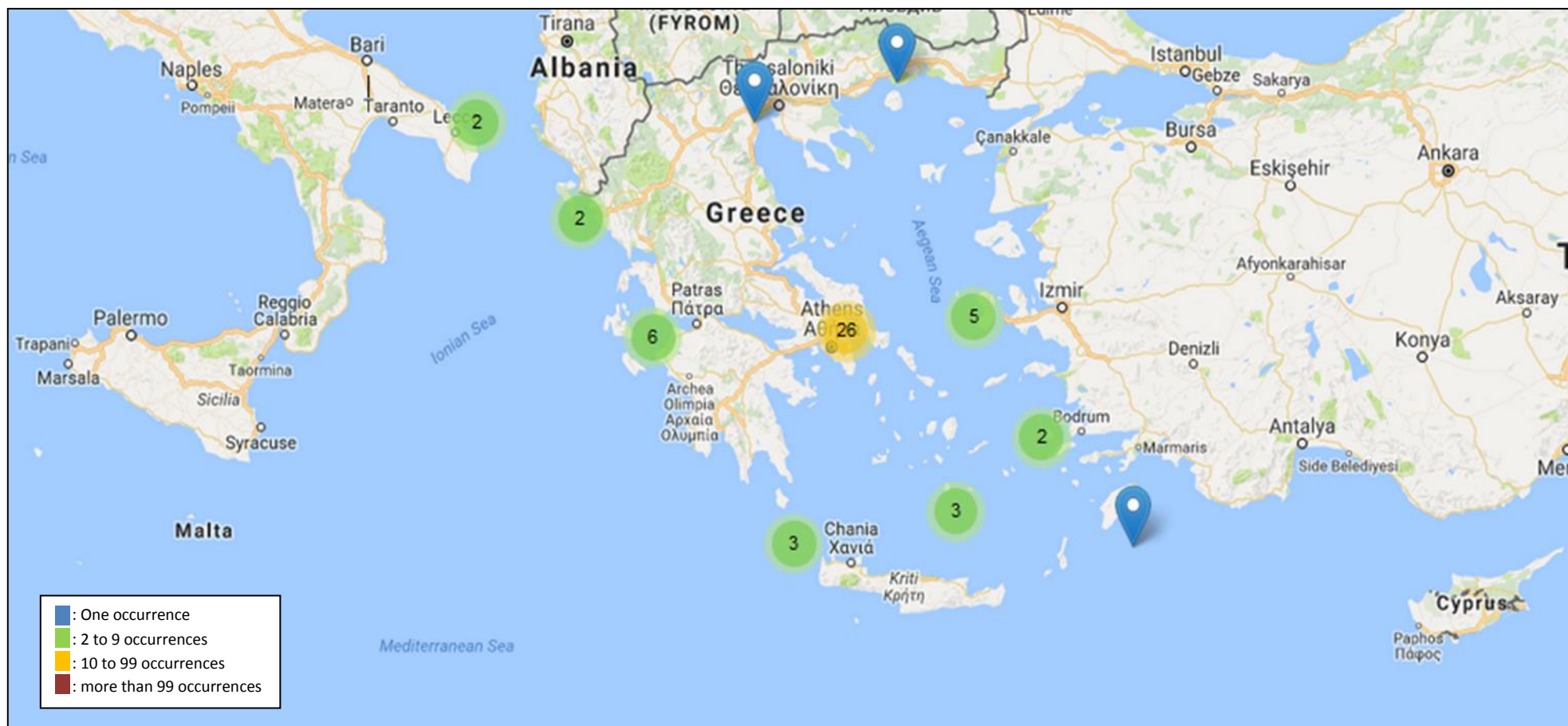
## MARINE ACCIDENTS (except very serious) in Greek territory<sup>5</sup> *(Source: EMCIP, 31-12-2016)*



<sup>5</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).





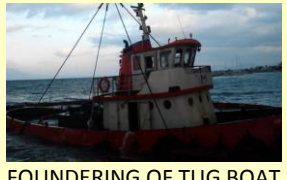





## VERY SERIOUS MARINE ACCIDENTS in Greek territory<sup>6</sup> (Source: EMCIP, 31-12-2016)



<sup>6</sup> Google Maps are used for depicting. The mapped occurrences are concerning the time period 2011 until 31/12/2016 and fall under the scope of Law 4033/2011 (concerning ships with Greek flag, with Greek seamen on board, passing through Greek territorial waters, or establishing Greece as an interested State in any other way).





# INVESTIGATIONS' PROGRESS

At the following tables, the investigations' progress is displayed, for marine accidents which occurred from 19/11/2012 up to end of 2016.

INVESTIGATIONS' PROGRESS (2013)								
Last update: 31-12-2016		INVESTIGATION PROCESS (Stages marked have been completed)						
No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLISHERMENT OF FINAL REPORT	INTERIM REPORT*
1	 FIRE ON BOARD Ro-Pax KRITI II	19/11/2012	At the fore part of the main garage of Ro-Pax "KRITI II", while on voyage from Venice to Patras, carrying 87 crew and 113 passengers and almost 4 nm before Patras port, there was a fire which could not be extinguished with by the use of her "drencher" system or by the emergency teams. The vessel berthed by own means and the passengers evacuated through the side ramp. The fire was extinguished by the fire brigade at the port.					
2	 FOUNDERING OF TUG BOAT ARTEMIS V FROM M/V JSM	20/02/2013	T/B ARTEMIS V assisted the unberthing procedure of M/V JSM at Kiato port. During her maneuvering, JSM used her propulsion while the towline had not been released by ARTEMIS V and that resulted to the Tugboat's progressive heeling over and foundering. Her Skipper did not manage to abandon and drowned.					
3	 DEATH OF SEAMAN AFTER FALLING OVERBOARD PASSENGER-LAUNCH VAGGELIO	25/02/2013	At the anchorage of Elefsis port, shortly after the Cook of M/T "EVIAPETROL I" had boarded the Passenger-Launch "VAGGELIO" for his disembarkation, he lost his balance and fell overboard. His body was recovered after approximately 20 mins and transported to the nearest Hospital where he was pronounced dead.					
4	 FOUNDERING OF BARGE AGIOS DIONYSIOS	02/03/2013	While the barge "AGHIOS DIONYSIOS" was in an aquaculture area at Alikes Kitrous, Katerini, she listed rapidly and foundered, due to the ingress of water inside her engine room by openings at her stern for the exhaust gases and the rudder mechanism. All persons onboard were recovered by a nearby vessel and transported safely to the shore. The barge was also recovered and repaired after the accident.					
5	 DEATH OF SEAMAN ON BOARD PASSENGER SHIP NORWEGIAN JADE	08/03/2013	During the mooring operations of Cruise Ship "NORWEGIAN JADE" at Katakolo port, a forward spring line parted and snapped back hitting an A/B Seaman who was on the mooring platform and throwing him overboard. His injuries had been fatal and his body was recovered from the sea bed a few hours later by Coast Guard divers.					



No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENCEMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
6	 <p>COLLISION OF M/V PIRIREIS AND M/V CONSOUTH</p>	29/04/2013						
7	 <p>INJURY OF SEAMAN ON BOARD Ro-Pax NISOS KEFALLONIA</p>	17/05/2013						
8	 <p>IMPACT OF M/T MANTOUDI ON THE PIER</p>	01/06/2013						
9	 <p>FIRE ON BOARD Ro-Pax NISOS MYKONOS</p>	14/06/2013						
10	 <p>COLLISION OF M/V BARU SATU AND M/V KATHERINE</p>	04/07/2013						
11	 <p>DEATH OF TRUCK DRIVER ON BOARD Ro-Pax SORRENTO</p>	10/07/2013						

No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENCEMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
12	 <p>DEATH OF 3<sup>rd</sup> ENGINEER ON BOARD M/V CAPTAIN PETROS H</p>	23/08/2013	<p>On 23 August 2013, while M/V "CAPTAIN PETROS H" was at anchorage at Ponta Da Madeira, Brazil, during the cleaning of vessel's Waste Oil Settling Tank, the 3<sup>rd</sup> Engineer was covered with hot oily residuals and sustained burns which caused his death at Sao Luis (Brazil) hospital on 04 September 2013.</p>					
13	 <p>DEATH OF VISITOR ON BOARD Ro-Pax NISOS RODOS</p>	24/09/2013	<p>On 24 September 2013, during the provision process of Ro-Pax "NISOS RODOS" with fresh water by a tank truck inside her garage, the co-driver of the truck slipped on his attempt to climb on top of its tank, fell on the deck and sustained severe head injuries which caused his death, according to the forensic medical report.</p>					
14	 <p>FOUNDERING OF M/V STELLA</p>	02/11/2013	<p>On 02 November 2013, M/V "STELLA" impacted on the rocky coast of the islet of Astakida (18 nm W of Carpathos island) and foundered near that position, approximately 30 minutes after the impact. 5 seamen managed to abandon the vessel using a liferaft and were recovered by a HCG helicopter and transferred to Rhodes island. The vessel's Master died and his body was found at a coast of Thira island on 11 November 2013.</p>					
15	 <p>IMPACT OF PASSENGER SHIP MSC MAGNIFICA ON THE DOCK</p>	20/11/2013	<p>While MSC MAGNIFICA was entering Piraeus port escorted by a tug, due to wind gusts her port bow impacted on the breakwater and on the concrete round red light hut. A crack on her port side over the waterline was created as well as scratches and deformations under the waterline. No injury, water ingress or pollution were reported.</p>					
16	 <p>FOUNDERING OF M/V NOUR M</p>	11/12/2013	<p>M/V "NOUR M" was moored at a Rhodes island port. Due to heavy weather the fore mooring lines parted and the vessel contacted continuously with the pier, which resulted to her foundering. No pollution was reported.</p>					
17	 <p>GROUNDING OF M/T ALIAKMON</p>	13/12/2013	<p>On 13 December 2013, M/T ALIAKMON grounded 1,5 nm SE of Ermoupolis port, Syros, on a sandy coast. None of the 23 crew members was injured. No water ingress or pollution was reported, either. The vessel was detached with the assistance of 2 tugs and berthed at Syros' shipyards.</p>					










No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENCEMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
18	 <p>GROUNDING OF PASSENGER-HYDROFOIL FLYING DOLPHIN XVII ON AN ISLET</p>	18/12/2013				On 18 December 2013, Passenger Hydrofoil "FLYING DOLPHIN XVII", while on voyage from Hydra island to Poros island with 29 passengers onboard, grounded at the sea area of Tselevinia islets. All passengers were transported at Galatas port by passenger launches and no injury was reported. The vessel was detached and sailed by own means to Poros port, escorted by a HCG patrol craft.		
19	 <p>DEATH OF SEAMAN ON BOARD C/V EVER URBAN</p>	26/12/2013				On 26 December 2013, while C/V "EVER URBAN" was approximately 35 nm W of Katakolo port, her Master reported that a Seaman needed to be hospitalized due to a fracture of his lower limb. The Seaman was transported unconscious by a Tugboat to Katakolo port and from there to a local hospital where he was pronounced dead.		

No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENCEMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
1	 <p>GROUNDING OF C/V YUSUF CEPNIOGLOU ON MYCONOS</p>	08/03/2014	C/V "YUSUF CEPNIOGLOU" which had departed from Smyrni, Turkey for Bizerte, Tunisia, grounded on the N coast of Mykonos island. A number of the 204 containers she was carrying fell overboard and the vessel suffered a total loss. All hull parts were completely removed by the area by a salvage group on 23 September 2014.					
2	 <p>DEATH OF TECHNICIAN AFTER FALLING OVERBOARD LAUNCH BOAT "DRAKON TAXIARCHIS"</p>	11/04/2014	On 11 April 2014, during a workshop member's attempt to disembark M/T "ROYAL OAK", at Piraeus port anchorage and embark the passenger launch "DRAKON TAXIARCHIS", he fell overboard and lost consciousness. He was recovered and transported to a hospital where he was pronounced dead.					
3	 <p>FOUNDERING OF M/V AGIA MARINA</p>	24/04/2014	On 24 April 2014, M/V "AGIA MARINA" while sailing at the sea area 30 nm W of Crete island carrying 06 trucks, was foundered due to water ingress at her ballast tanks, as stated by the crew members who were recovered. 04 crew members were recovered and 03 crew members (the Master, the Electrician and the Motorman) were reported missing.					
4	 <p>EXPLOSION ON BOARD M/V NAKHODKA</p>	26/04/2014	On 26 April 2014 M/V "NAKHODKA" was berthed at port facilities at Amaliapolis, Volos, when there was an explosion at the bow followed by fire, which caused the serious injury of vessel's 1 <sup>st</sup> Engineer and 3 <sup>rd</sup> Engineer. The fire was extinguished by a Fire Brigade squad. The 1 <sup>st</sup> Engineer died on 23 May 2014, at the hospital where he had been transported.					
5	 <p>GROUNDING OF Ro-Pax PREVELIS ON ISLET</p>	03/05/2014	On 03 May 2014 Ro-Pax "PREVELIS" carrying 190 passengers and 75 crew members grounded on Aspronisi islet, at Santorini. No injury was reported, neither water inflow. The vessel was detached by own means and arrived at Athini port for survey.					

No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENCEMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
6	 <p>EXPLOSION ON BOARD FLOATING SEPARATOR TASOS II</p>	17/06/2014						
7	 <p>DEATH OF SEAMAN ON BOARD TUG BOAT MEGAS ALEXANDROS</p>	25/08/2014						
8	 <p>GROUNDING OF M/V INCE INEBOLU ON ASTYPALAI A</p>	05/09/2014						
9	 <p>GROUNDING OF Ro-Pax EUROPALINK ON ISLET</p>	21/09/2014						
10	 <p>FIRE ONBOARD Ro-Pax IERAPETRA L</p>	29/11/2014						
11	 <p>DEATH OF BOSUN ONBOARD M/V PANORIA</p>	01/12/2014						





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12	 <p>GROUNDING AND FOUNDERING OF FISHING VESSEL AGIA MARINA AT LESVOS ISLAND</p>	21/12/2014	<p>While the fishing vessel was returning to her port destination at Molyvos, Lesvos, Greece and the prevailing wind was NW 6-7 Bft, a malfunction of the power unit of the steering system rendered the vessel rudderless. She grounded at the rocky coast of Cape "Kseres". All 5 persons on board abandoned the vessel and swam to the coast. A few hours later the vessel was foundered.</p>					
13	 <p>DEATH OF PASSENGERS FOLLOWING A FIRE ONBOARD Ro-Pax NORMAN ATLANTIC</p>	28/12/2014	<p>After 4 hours from the departure from Igoumenitsa and while the ship was underway for Ancona, Italy a fire inside her garage was detected. After almost 15' the propulsion was stopped and 15' later a black out occurred. An Abandon Ship order was given and 452 persons (passengers and crew) were rescued. 11 passengers' deaths have been confirmed, whereas others have been declared missing.</p>					













INVESTIGATIONS' PROGRESS (2015)								
No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
1	 <p>DEATH OF BOSUN OF M/V LAMBAY**</p>	10/01/2015	**Lead Investigating State: Liberia	The vessel loaded with Pet Coke would discharge her cargo at the port of Aliveri, Greece. Prior to the opening of the cargo holds' hatches the ship's Bosun entered the manhole of Cargo Hold No.7 to collect cargo sample and by the time he was lifted to the main deck he had already died.				
2	 <p>GROUNDING AND TOTAL LOSS OF M/V GOODFAITH AT ANDROS ISLAND***</p>	11/02/2015	***Substantially Interested Member-State: Cyprus	The ship which was unloaded grounded at the coast of Andros island and her 22 crew members were rescued by a helicopter. No injury was reported. The shipwreck was removed from the area almost 5 months later for scrap.				
3	 <p>GROUNDING AND FOUNDERING OF M/V KEREM S AT LEVITHA ISLET</p>	19/02/2015		The ship which was unloaded suffered a loss of her rudder after her impact at a rocky coast of Patmos island. A few hours later while the ship was expecting a Tugboat from Piraeus for assistance, she drifted and grounded at Levitha islet. All her 6 crew members were rescued by helicopter. At 23/02/2015 the ship was foundered.				
4	 <p>DEATH OF BOSUN OF M/V KOSMAS V</p>	26/02/2015		The vessel loaded with Coal called the port of Rio, Greece. One AB Seaman entered the manhole of Cargo Hold No.3 before its opening, to collect cargo sample but lost his senses. 3 more crew members one after another fell unconscious after entering to assist him. Once they were all lifted to the main deck, one of them, the vessel's Bosun, had already died. The rest recovered after their hospitalization at local hospitals.				
5	 <p>DEATH OF ONE FISHERMAN AND FOUNDERING OF FISHING BOAT MAKRIS MANOLIS</p>	14/03/2015		The fishing boat was found immersed at a depth of 20 m and at a distance of 800 m from the port of Bali, Rethymno, Greece, after locals had spotted parts of its fishing equipment floating at that area. The only fisherman onboard, aged 75, was found dead at a nearby coast.				

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6	 <p>DEATH OF CHIEF ELECTRICIAN OF HSC HIGH SPEED V FOLLOWING A FIRE ONBOARD</p>	23/03/2015	<p>During conversion works at Keratsini, Greece, a fire broke out at the passengers' "Business Seating" on the Upper Deck, and was immediately spread to the other accommodation and bridge spaces. All workers and crew managed to abandon the ship except for her Chief Electrician whose body was later found at the burned area.</p>					
7	 <p>DEATH OF 3 FISHERMEN AFTER FOUNDERING OF FISHING VESSEL PANAGIOTIS F</p>	24/03/2015	<p>The fishing vessel grounded at the coast of Ermioni, Greece while there were 5 persons onboard. The vessel foundered and 2 persons were recovered by a passing craft. The other 3 were found dead later on. The bodies of 2 of them were found inside the vessel's accommodation spaces.</p>					
8	 <p>DEATH OF FISHERMAN ONBOARD FISHING VESSEL LIVERIS FOTINI II</p>	13/04/2015	<p>While the fishing boat was moored at Keramoti, Kavala, Greece and maintenance works were being carried out by the fishermen onboard, a welded fixed point of her crane detached and the crane's boom fell onto one fisherman who was deadly injured.</p>					
9	 <p>FIRE AND FOUNDERING OF PASSENGER VESSEL MELTEMI II NEAR KEFALONIA ISLAND</p>	10/05/2015	<p>While the passenger vessel was sailing 1.4 n.m. SE of Kefalonia, Greece, only with her Commander onboard, a fire broke out at the accommodation spaces. The Commander onboarded a nearby sailing vessel and MELTEMI II foundered later on.</p>					
10	 <p>GROUNDING OF PASSENGER SHIP ALEXANDROS NEAR AEGINA ISLAND</p>	28/06/2015	<p>The passenger vessel with 18 persons onboard grounded near cape Troulos of Aegina island. Her passengers abandoned the vessel via ships sailing near and no injury was reported. The vessel after being towed by a Tugboat, sailed by own means for the nearest port.</p>					
11	 <p>DEATH OF MOTORMAN OF TUGBOAT CHRISTOS XXII AT PIRAEUS</p>	07/07/2015	<p>After the towing procedure of a departing Container Vessel at Drapetsona, Greece and during the bringing in of the towline from the sea, it got fouled in the Tugboat's propeller axis. As a result, it was violently tensed and constrained 2 crew members against the bulwark, one of which was fatally injured.</p>					

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12	 <p>IMPACT OF RO-RO PASS PREVELIS AT THE DOCK OF ANAFI ISLAND PORT</p>	16/07/2015						<p>While the Ro-Ro Passenger was approaching the port of Anafi, Greece, with 217 passengers onboard and with a prevailing NW wind of 6-7 Bft she had an impact with the dock. She suffered a crack on her port aft and a minor water ingress was detected. The vessel reached the following destination port, at Thira island and all passengers disembarked. No injury was reported.</p> 
13	 <p>GROUNDING OF HSC FLYINGCAT 4 NEAR THE PORT OF TINOS ISLAND</p>	26/07/2015						<p>While approaching the port of Tinos, Greece, and due to the thick fog, the Highspeed Craft grounded almost 0.2 n.m. West of the port entrance. No water ingress was detected. All 239 passengers and 14 crew members abandoned the craft via fishing and pleasure boats which approached. No injury was reported.</p> 
14	 <p>COLLISION OF CRUISE SHIP AEGEAN PARADISE WITH HCG SAR BOAT 519 NEAR CHIOS PORT</p>	26/07/2015						<p>During the departure of the Cruise Ship from the port of Chios, Greece she collided with a HCG SAR Craft which was at a mission in the area, due to the prevailing thick fog. The SAR Craft was extensively damaged. No injury or pollution was reported.</p> 
15	 <p>DEATH OF ONE SEAMAN INSIDE CARGO HOLD OF M/V IONIC</p>	10/08/2015						<p>In the early morning of 10<sup>th</sup> August 2015, while the ship was preparing for unloading at the port of Fangcheng, China, 2 Port Workers and one Seaman entered the Cargo Hold no.1 without it having been properly ventilated. By the time the Officer on Duty went to the spot for their rescue, the Seaman and one of the Port Workers had already died.</p> 
16	 <p>WATER INGRESS AND SINKING OF AQUACULTURE SUPPLY CRAFT MINSTREL AT EVIA</p>	25/08/2015						<p>While the Aquaculture Supply Craft was at the aquaculture area of Limni Evias, Greece, water ingress was detected astern, causing her rapid listing and foundering at a depth of 150 m. The 2 persons onboard were recovered by a nearby craft and transported safely to the shore.</p> 
17	 <p>1 SEAMAN DIED AND 7 SEAMEN WERE REPORTED MISSING AFTER FOUNDERING OF F/V DIMITRIOS AT WEST AFRICA</p>	30/08/2015						<p>While fishing at the sea area of West Africa with 19 persons on board, the Fishing Vessel was foundered due to the bad weather. 11 members of her crew managed to abandon the vessel and were rescued. Her Greek Commander was found dead a few days later whereas 7 African Seamen were reported missing.</p> 

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18	 <p>FIRE AT THE MAIN ENGINE ROOM OF Ro-Pax KRITI II AT PERAMA</p>	18/10/2015						
19	 <p>FOUNDERING OF TUG BOAT RAFINA AT THE PORT OF TINOS ISLAND</p>	24/12/2015						

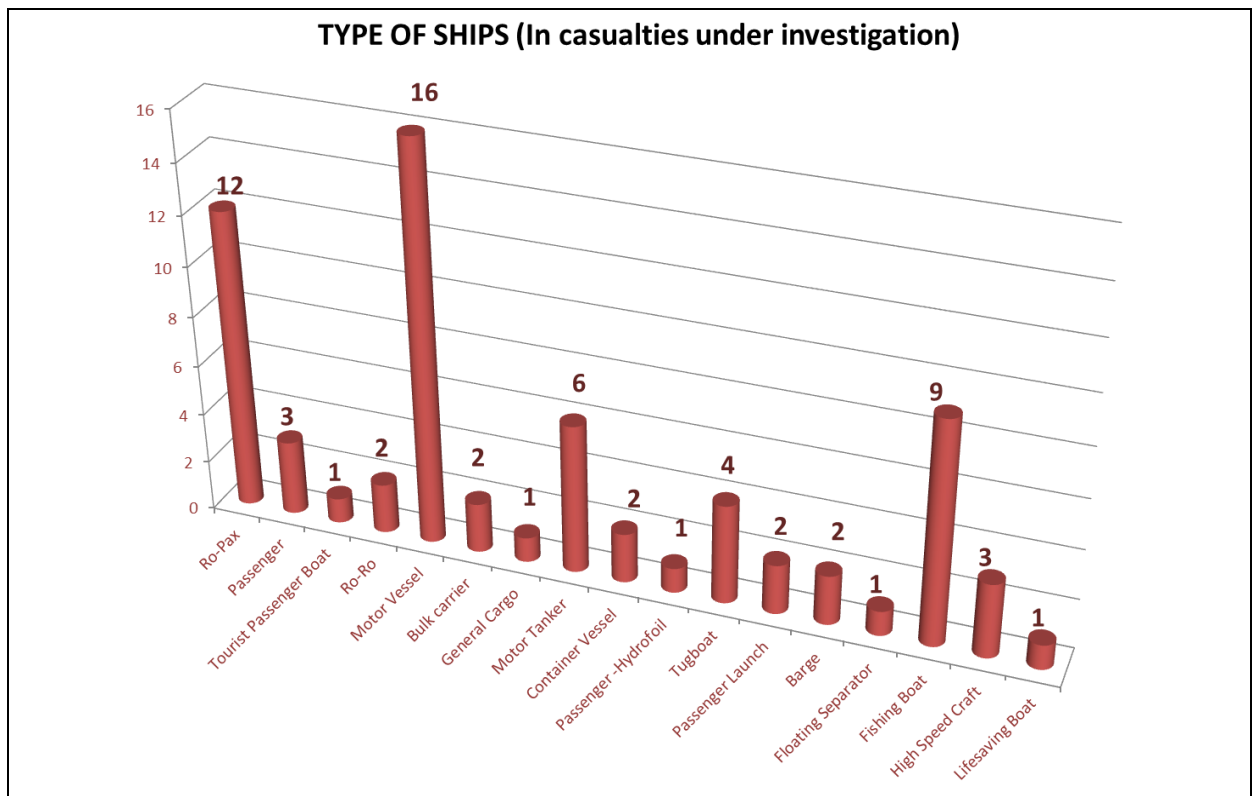
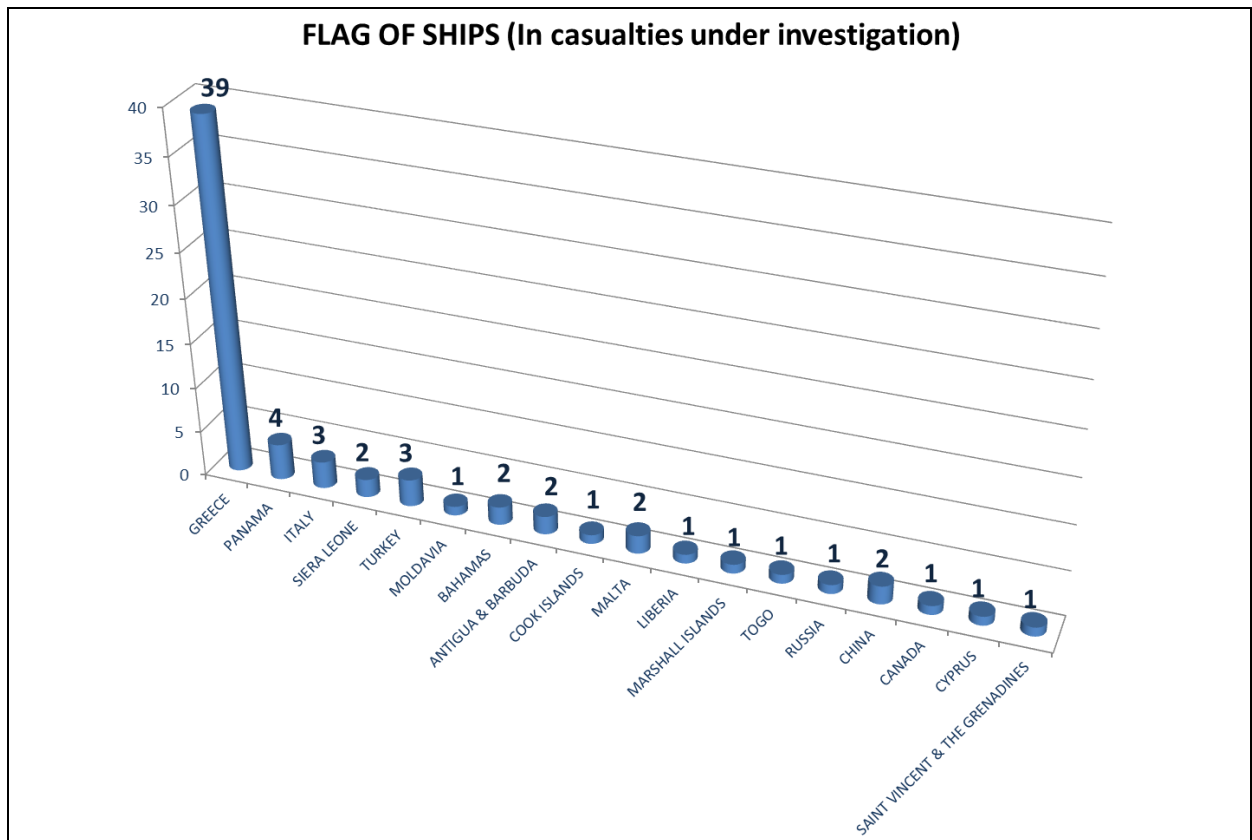
INVESTIGATIONS' PROGRESS (2016)								
No	OCCURRENCE	DATE OF OCCURRENCE	INVESTIGATION COMMENT/ INVESTIGATORS AD HOC	COLLECTING DATA	ANALYSIS	REPORT PRODUCING (DRAFT)	CONSULTATION OF DRAFT REPORT/ PUBLICATION OF FINAL REPORT	INTERIM REPORT*
1	 <p>DEATH OF SEAMAN OF C/V "MAERSK KURE", GREEK FLAG AT BREMERHAVEN, GERMANY**</p>	06/02/2016						<p>**Lead Investigating Member-State: Germany</p> <p>During the mooring operation of C/V MAERSK KURE at the container terminal in Bremerhaven, Germany a mooring line parted and struck one Filipino seaman, age 56 who was member of the bow mooring team. The casualty passed away en route to the local hospital.</p>
2	 <p>DEATH OF SEAMAN OF B/C "DORIC SPIRIT", FLAG GREECE IN PORT OF MONROVIA, LIBERIA</p>	16/02/2016						<p>During the discharging operation of the Bulk Carrier "DORIC SPIRIT", Flag Greece, at the port of Monrovia, Liberia, one Filipino seaman, age 49, fell from the ladder of Cargo Hold no.3. He was seriously injured and transferred to a local hospital, where he passed away a few hours later.</p>
3	 <p>COLLISION OF M/V "ARKLOW WILLOW, IRISH FLAG WITH F/V "AGIOS NEKTARIOS", GREEK FLAG N OF KILLINI, GREECE</p>	02/04/2016						<p>During fishing operation of F/V "AGIOS NEKTARIOS", Flag Greece, a collision with M/V "ARKLOW WILLOW", Flag Ireland, occurred, resulting to material damages of the F/V. Both vessels berthed at Killini port. No pollution or injury were reported.</p>
4	 <p>COLLISION OF M/V "ANANGEL COURAGE", GREEK FLAG WITH F/V "MIN JIN YU", CHINA FLAG - 08 FISHERMEN MISSING</p>	10/08/2016						<p>While M/V "ANANGEL COURAGE", Greek Flag was en route from Nantong, China, to Australia, in ballast condition, at 20:05 UTC on 10<sup>th</sup> August 2016, approximately 85 nm NNE off Taiwan coast, collided with F/V "MIN JIN YU 05891", China Flag. A SAR operation was conducted by the Japanese MRCC and 06 out of 14 fishermen were rescued. The remaining 08 crew members of the F/V are missing.</p>
5	 <p>COLLISION OF P/Y "DUENTE" WITH PASSENGER BOAT "ANTONIA" AT AEGINA, GREECE - FOUNDERING OF "ANTONIA" AND DEATH OF 04 PERSONS</p>	16/08/2016						<p>High Speed Pleasure Craft "DUENTE", Flag Greece, with 04 persons on board, collided with Passenger Boat "ANTONIA", Flag Greece, carrying 24 persons, at the sea area SW off Aegina island, Greece. 04 of the 24 persons on board "ANTONIA" were killed, including her skipper, whereas 05 passengers were injured.</p>

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6	 GROUNDING OF RO-RO "SAFFET BEY", TURKISH FLAG IN NEAPOLI VOION, GREECE	03/09/2016						Ro-Ro Cargo "SAFFET BEY", Turkish Flag, carrying 114 vehicles and 05 containers, 22 crew and 04 drivers, had departed from Trieste, Italy, for Turkey. She grounded at the area of Neapoli Voion, Greece. There was water ingress and after the pumping of the sea water the ship was refloated and towed safely to the Vatika Bay.
7	 DEATH OF TRUCK DRIVER ON BOARD RO-RO "EUROCARGO TRIESTE", MALTA FLAG IN PATRA	06/10/2016						During the loading operation of Ro-Pax "EUROCARGO TRIESTE", Flag Malta, at the port of Patras, Greece, at 12:47 Local Time, one truck driver was pressed against the vehicle garage side steel construction by his own truck, which moved while the casualty was standing by its side. He was transferred to the nearest local hospital however he finally passed away.
8	 DEATH OF GREEK BOSUN OF B/C "PACIFIC CEBU", PANAMA FLAG** IN PORT OF SALALAH, OMAN	24/10/2016						**Lead Investigating State: Panama During the process of the wire replacement of one of the vessel's cranes (no.3), her Bosun fell from the crane jib and was fatally injured.
9	 COLLISION OF M/T "AUSTRALIS", GREEK FLAG WITH F/V "ZHE LING YU", CHINA FLAG IN CHINA - 06 FISHERMEN MISSING	28/10/2016						While M/T "AUSTRALIS", Greek Flag was en route from Ningbo, China to Singapore, in ballast condition, at noon hours on 28 <sup>th</sup> October 2016, in position Lat: 28° 01,7' N, Long: 123° 07,8' E (E off Ningbo, China), collided with F/V "ZHE LING YU", China Flag. A SAR operation was conducted by the Chinese MRCC and 06 crew members of the F/V are missing.
10	 FOUNDERING OF M/V CABRERA, ANTIGUA & BARBUDA FLAG, AT ANDROS ISLAND	24/12/2016						The ship which had departed from Larymna, Greece loaded with 3,500 mt of Nickel Ore, grounded at the North coast of Andros island and all her 09 crew members were rescued by a helicopter. No injury was reported.

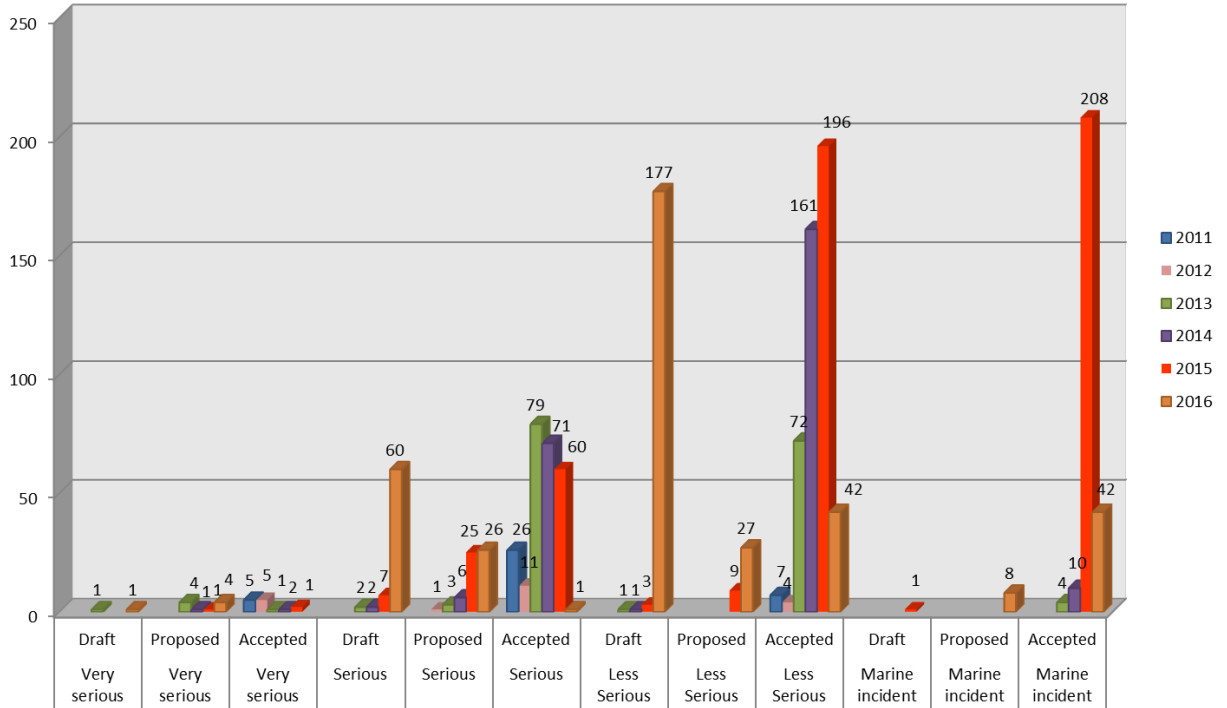
\*An Interim Report is published during the investigation process, in case the final report is not ready within one year from the date of the occurrence (par.2, art.16 of Law 4033/2011).

# HBMCI's CASUALTY INVESTIGATION STATISTICS

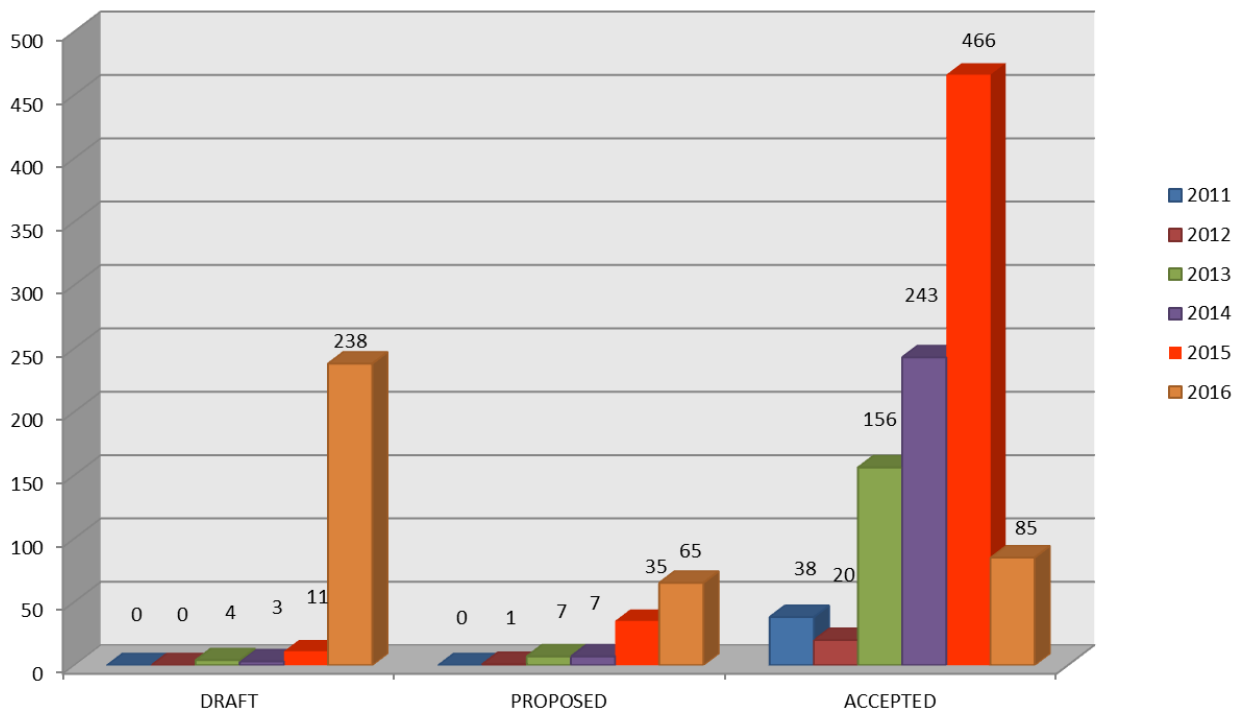
## (Until 31-12-2016)



# HBMCI's EMCIP POPULATION (Until 31-12-2016)



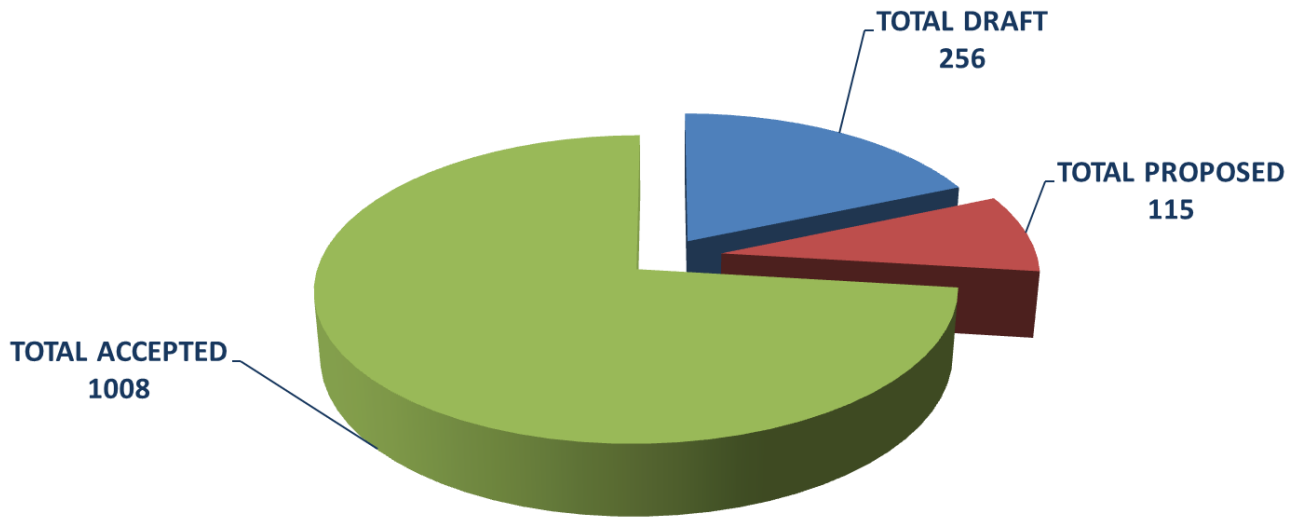
**Graph 1: Number of Status – Severity of Occurrence per year**



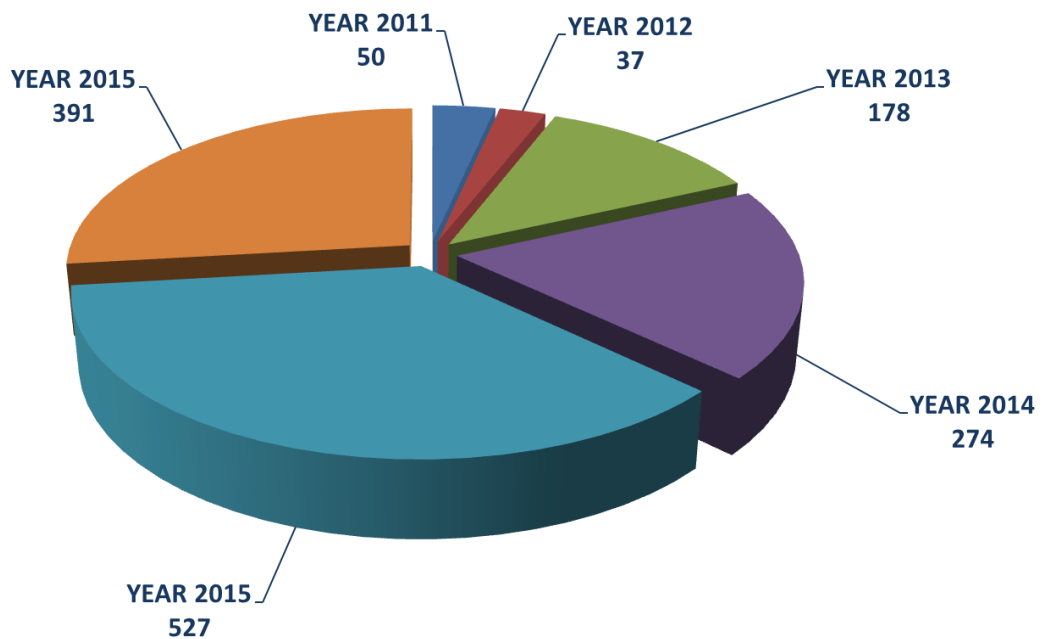
**Graph 2: Number of Status per year**



### TOTAL OCCURRENCES PER STATUS



Graph 3: Total number of occurrences per status



Graph 4: Total number of occurrences per year

# SAFETY RECOMMENDATIONS ISSUED

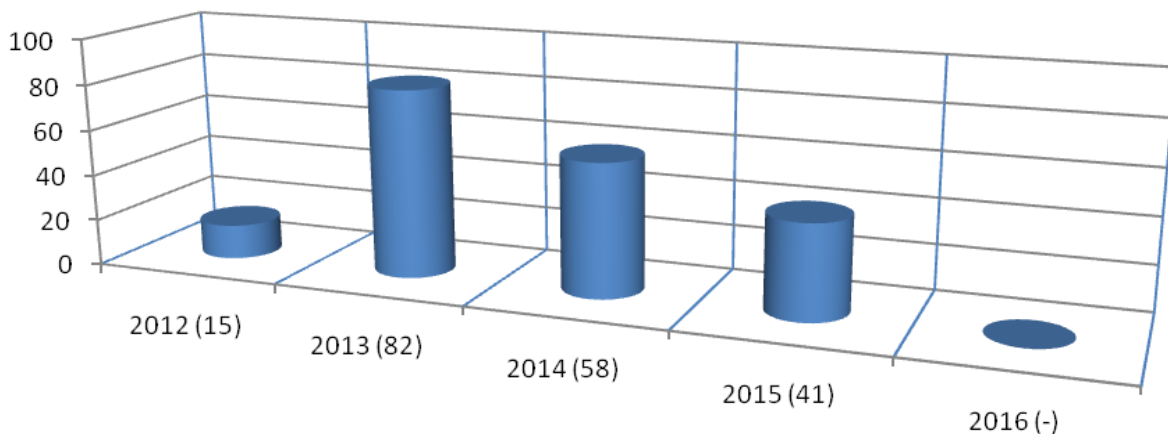
Safety Recommendations are issued to promulgate the lessons from accidents investigated by the HBMCI, aiming to improve the safety of life at sea and the avoidance of future accidents. The issue of a recommendation shall in no case create a presumption of blame or liability.

Following an investigation the HBMCI will, normally, make a number of Safety Recommendations. These will be contained within the published report but will also be addressed to the individuals or organizations concerned. Urgent Safety Recommendations may also be made in Safety Bulletins that can be published at any stage of an investigation.

The implementation of the recommendation is supervised by our Bureau according to the procedure provided by HBMCI's operation manual.

Below are shown the Safety Recommendations per year's investigations.

**Safety Recommendations issued for the investigations for the marine accidents from 2012, until 2016\*:**



(\*: no final reports have been issued yet for the marine accidents which occurred in 2016)

