



Cefor

THE 2016 CEFOR NOMIS COASTAL HULL REPORT

(SMALL CRAFT & FISHING VESSELS)

Nordic Marine Insurance Statistics as of 31 December 2016

COASTAL HULL – INCLUDED DATA

- Underwriting years 1996-2016
- All vessels
 - of type 'Fishing'
 - $\leq 5,000$ gross ton or ≤ 15 m length
(but excluding supply/offshore vessels; for these and all larger tonnage see: 'The 2016 Cefor NoMIS ocean hull report')
- If not indicated otherwise, figures are presented
 - In Norwegian kroner NOK
 - on accident year basis
(claims allocated to the calendar year in which the claim occurred).
 - as reported by 31 December 2016
(i.e. without IBNR loading for claims not yet registered or incurred by this date).

COASTAL HULL – CONTENTS

Page 4 Introduction (Contents / NoMIS history / Data definitions)

Page 8 Key figures – NoMIS ‘Coastal’ portfolio

Page 22 Key figures – by age group

Page 27 Key figures – by vessel type group

Page 32 Key figures – by size group (gross ton)

Page 37 Key figures – by special vessel type & size groups

Page 42 Key figures – by sum insured layers

Page 47 Key figures – Fishing vessels

Key figures: Breakdown of number of vessels – Claims frequency – Claim cost per vessel/ per Sum Insured – Average claim cost

Legal disclaimer Cefor provides the statistics material in this presentation for general information purposes only. All key figures are derived from the Cefor portfolio, which reflects a minor part of the world fleet, the selection of ships being biased by Nordic underwriting preferences. Therefore Cefor can accept no responsibility and shall not be liable for any loss which may arise from reliance upon the information provided.

With reference to [Commission Regulation \(EU\) No 267/2010 of 24 March 2010](#) (EU Block Exemption), it is further stressed that the statistical data presented in this publication is non-binding in its character.

THE NORDIC MARINE INSURANCE DATABASE

The **Nordic Marine Insurance Statistics (NoMIS)** is a joint database project of Cefor members active on the Hull & Machinery market to compile insurance data and vessel characteristics for statistical purposes. The database is administered by Cefor.

From its foundation in 1985 until 1997, the data was compiled by appointing Cefor a facultative reinsurer to which members of the Norwegian Hull Agreement ceded 0.1% of their H&M insurance. Premium and claims information was exchanged via Borderaux, the lead insurer providing details of each claim.

In 1996, the hull agreement was discontinued, but the statistics cooperation continued.

In 1998, steps were taken to update the NoMIS' database electronically instead of manually. From December 1999, Cefor could produce up-to-date hull figures on regular basis. The scope of reporting was extended substantially by including non-lead business.

From 2000, also business back to underwriting year 1995 was updated electronically. In the following years, several new major Cefor members joined the NoMIS cooperation, reporting retrospective data from 1995 underwriting year.

In 2009, data from Gjensidige and Tryg was integrated, dating back to underwriting years 2000 and 2003 respectively.

In 2012, data from Alandia was added, starting with underwriting year 2005. Further, If extended their scope of reporting to include all Nordic business.

In 2015, the reporting format was modernized and the database migrated to a new technical platform.

In 2016, data from Skuld was added, dating back to underwriting year 2011.

From 2016, all member report according to the modernized reporting format.

By 31st December 2016, in all 150,694 vessel years and 29,065 claims were registered on underwriting years 1985 through 2016 for the 'coastal' portfolio including small craft and fishing vessels (see definition on front page).

The NoMIS statistics in this report comprise mainly data from the following marine insurers: Alandia, Codan, Gjensidige, If, Gard, NEMI (until 2009), Norwegian Hull Club, Skuld, Tryg (until 2008) and mutual coastal hull clubs.

COASTAL HULL REPORT – DEFINITIONS

All amounts in the Coastal Hull Report are presented in NOK!

Rate of exchange applicable to convert the figures from the original currencies into NOK:

Insured values: av. rate of exchange of the month the insurance coverage gets into force

Paid claims: av. rate of exchange of the month of the payment transaction

Outstanding claims: av. rate of exchange of December 2016

Underwriting year = year in which the insurance policy attaches

All claims are net of any applicable deductibles.

Total Claims = Paid claims + Outstanding claims

TLO (total losses) = claims in excess of 75% of the Sum Insured

Partial Losses = all claims \leq 75% of the Sum Insured

IBNR ("Incurred but not reported") = reserve for claims adjustments and registration backlog

1 According to Clause 11-3 of the Nordic Marine Insurance Plan, a constructive total loss (CTL) is defined as a claim exceeding 80% of the sum insured (www.nordicplan.org). To cater for currency conversion issues, the Cefor Statistics Forum includes in its total loss statistics all claims exceeding 75% of the sum insured.

COASTAL HULL REPORT – DEFINITIONS

Types of vessels specified

<u>Vessel Type group</u>	<u>Vessels Types included</u>	<u>Lloyd's List Intelligence</u>
BULK ¹⁾	Bulk, Ore, Cement	BAC, BBU, BCB, BCE, BOR, BWC
CAR/RORO ³⁾	Car Carrier, RoRo	MVE, URC, URR
CARGO ¹⁾	Dry Cargo, General Cargo, Reefers, Pallett Vessels, Animal Transport Vessels	GCT, GGC, GPC, GRF, MLV
CHEM./PRODUCT ²⁾	Chemical Carriers, Product / Acid / Edible Oil / Fish Oil / Fruit Juice / Wine / Molasses / Waste/ Water Tankers	TAC, TCH, TCO, TEO, TFJ, TFO TMO, TPD, TWA, TWN, TWT
CONTAINER ¹⁾	Container	UCC, UCR
FISHING	Fishing vessels	FFC, FFF, FFP, FFS, FTR,FWF,FWH
LNG/LPG ²⁾	Gas Carriers LNG, LPG, LNG/LPG	LBK, LCN, LNG, LPG, LNP
OTHER ³⁾	any other ships and floating units, any codes not specifically defined otherwise, like Barges, Cranes, Floating Storage, Floating Production, Pollution Control Vessels, Mud boat, OBO, Research vessels, Cable, Seismic Search vessel, Flo/Flo, etc.	

COASTAL HULL REPORT – DEFINITIONS

Types of vessels specified contd.

<u>Vessel Type group</u>	<u>Vessels included</u>	<u>Lloyd's List Intelligence</u>
PASSENGER	All types of passenger vessels and ferries, Passenger/Roro, Highspeed Craft	LOF, LOP, MPR, OFY, OHF, OHS PRR, PZZ
SUPPL./OFF. ⁴⁾	Supply, Anchorhandling, Standby, Drilling Vessel, General Service Vessel, Supply (Tug, Anchor), Tug/Icebreaker	OBS, OBT, ODS, OIB, OIF, OIS, OIT, OLT, OMN, OMT, OOS, OPP, ORP, OSU, OSY, OSZ, OWO, XAA, XAF, XAG, XAH, XAT, XCT, XFF, XFS, XFT, XPT, XTG, XTI, XTP, XTR, XTS, XTT, XTX
TANK ²⁾	Tanker, Sludge Vessel, Crude Oil Tanker Asphalt Carriers, Bunkering Tanker, Naval Auxiliary	OSC, OTC, TAS, TBK, TCR, TNA, TRR, TTA, TUV

For the purpose of the coastal statistics, above vessel types are grouped at a higher level as follows:

1) defined as "CARGO"

2) defined as "TANK"

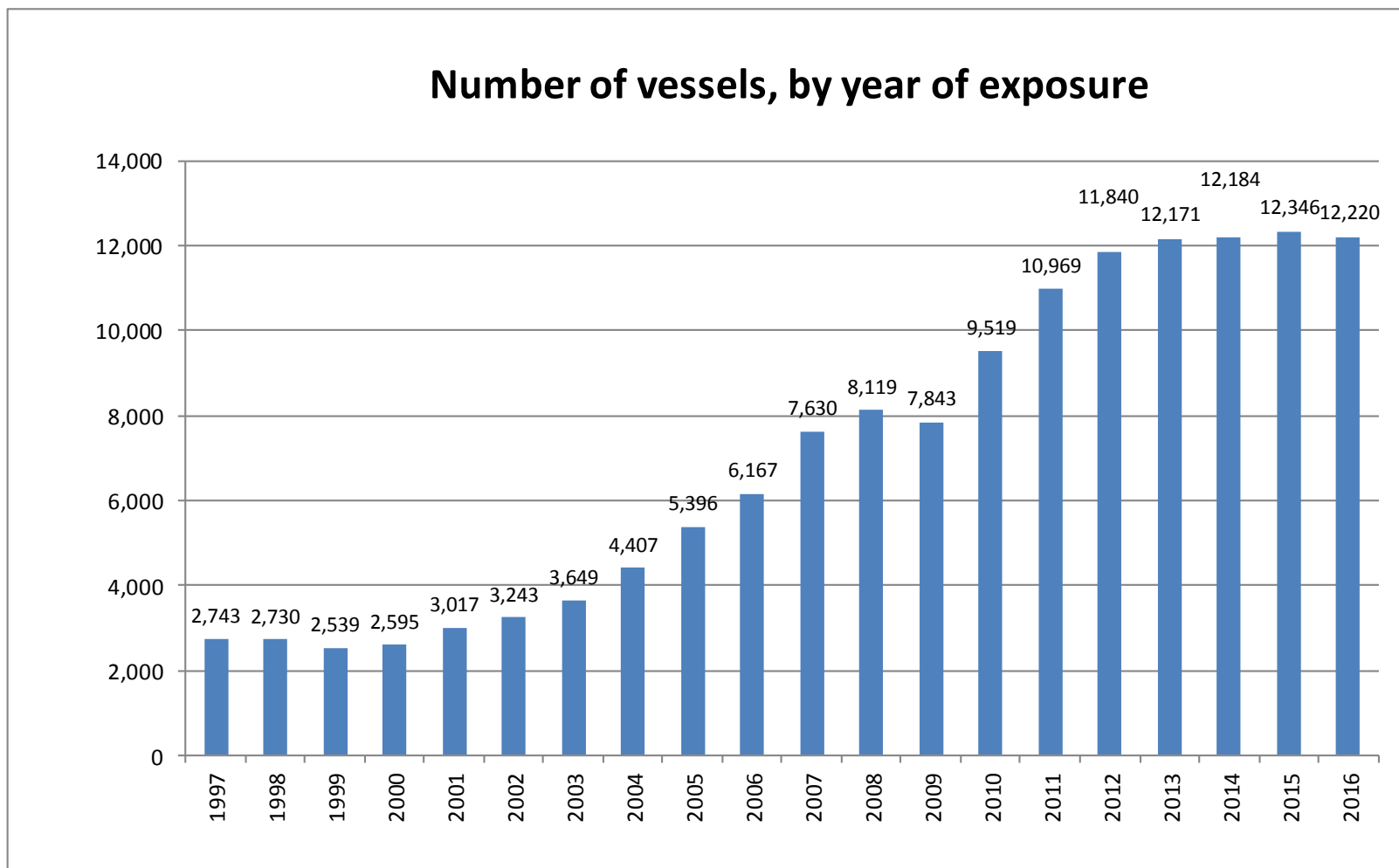
3) defined as "OTHER"

4) excluded from this report. For statistics on Supply/Offshore vessels, see «The Cefor **Ocean** hull report».

Excluded from the statistics in this report are the following offshore energy units:

LFP, LFR, LFS, LGP, LPS, TPD, TFP, TFS, YDP, YDS

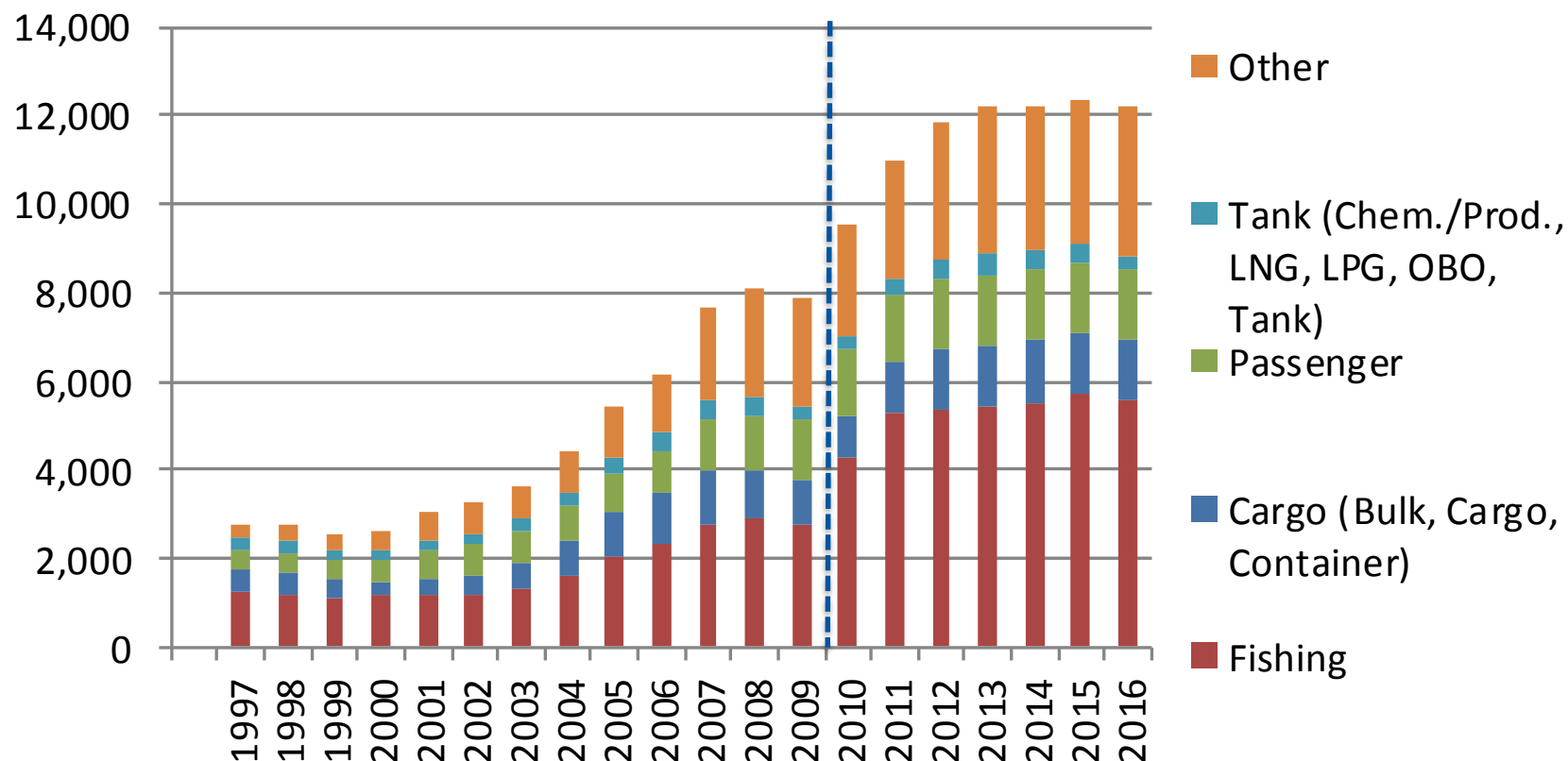
COASTAL HULL – NUMBER OF VESSELS



Above numbers include all vessels of type «fishing» and all vessels ≤ 5000 gross ton or $\leq 15m$ length, with the exception of «Supply/Offshore» vessels, which are part of the ocean hull report.

COASTAL HULL – VESSELS BY TYPE

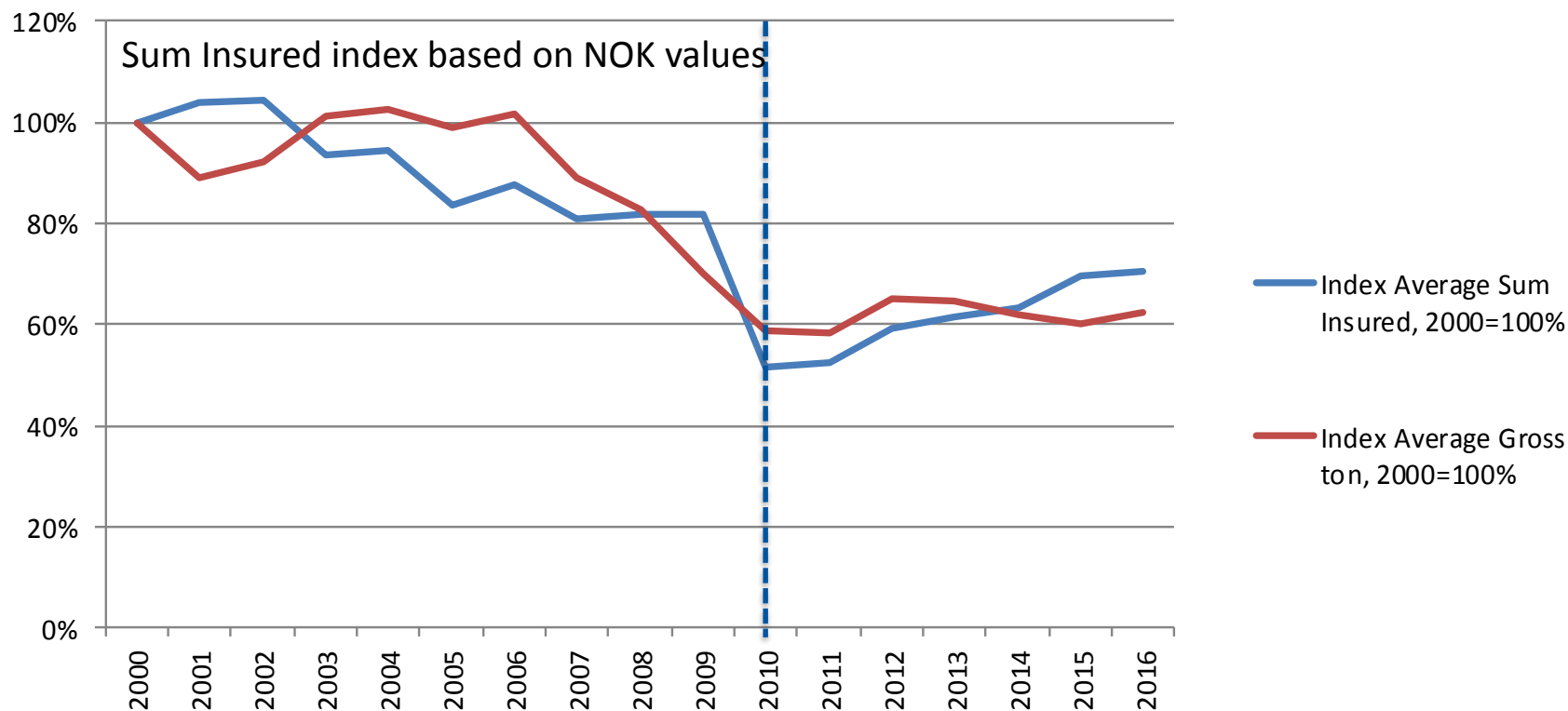
Number of vessels by type, by year of exposure



From 2010 improved reporting by coastal marine mutuals => Increase in number of reported minor vessels, especially fishing vessels

COASTAL HULL – INDEX

Evolution of average Sum insured and Gross ton, 2000=100%

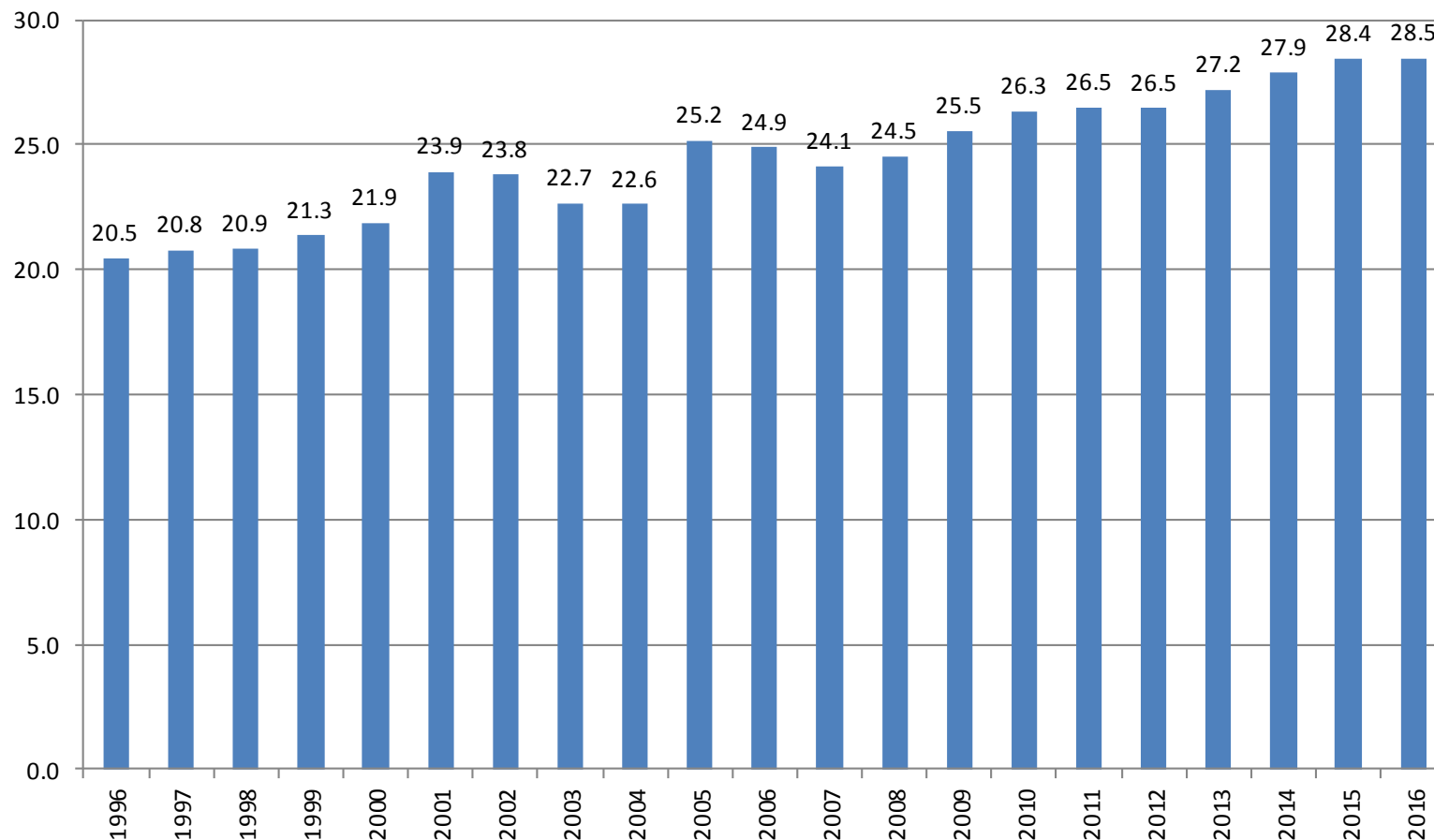


From 2010 improved reporting by coastal marine mutuals => Increase in number of reported minor, especially fishing vessels & decrease in average insured values

Including renewed and new business by underwriting year.

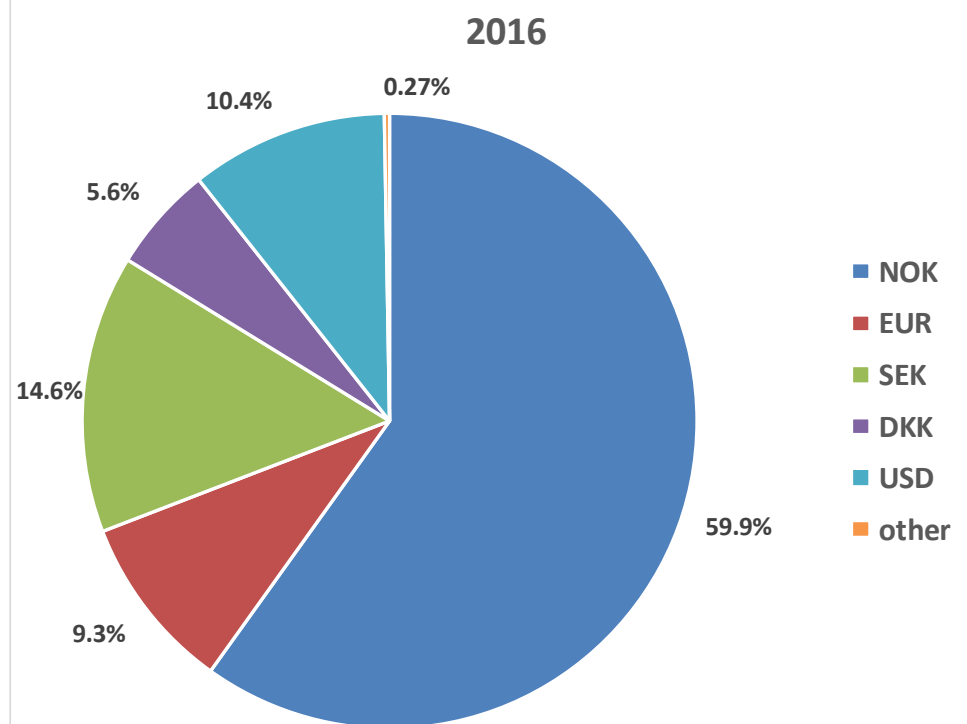
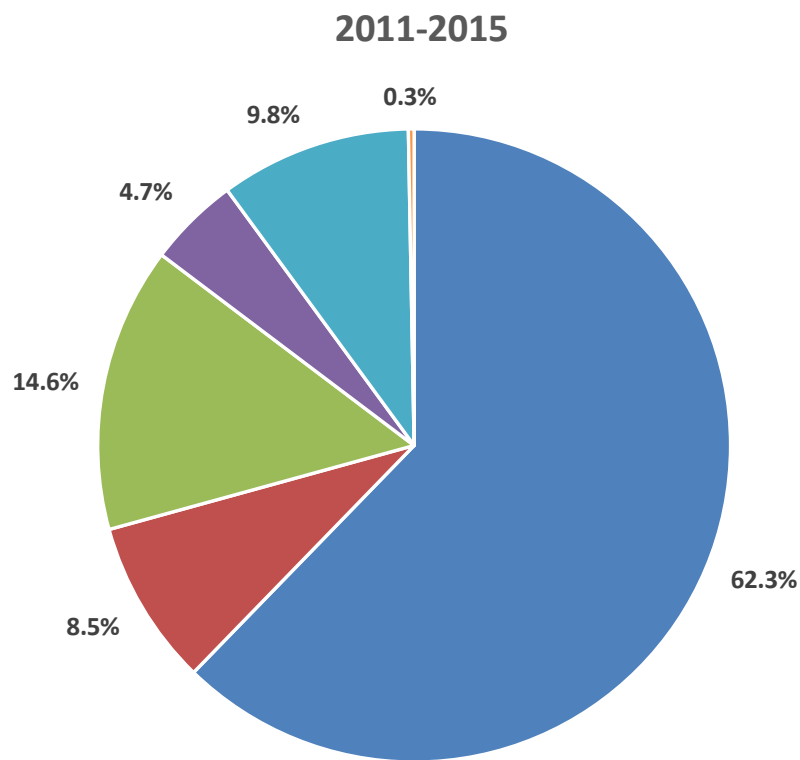
COASTAL HULL – AGE

Average age



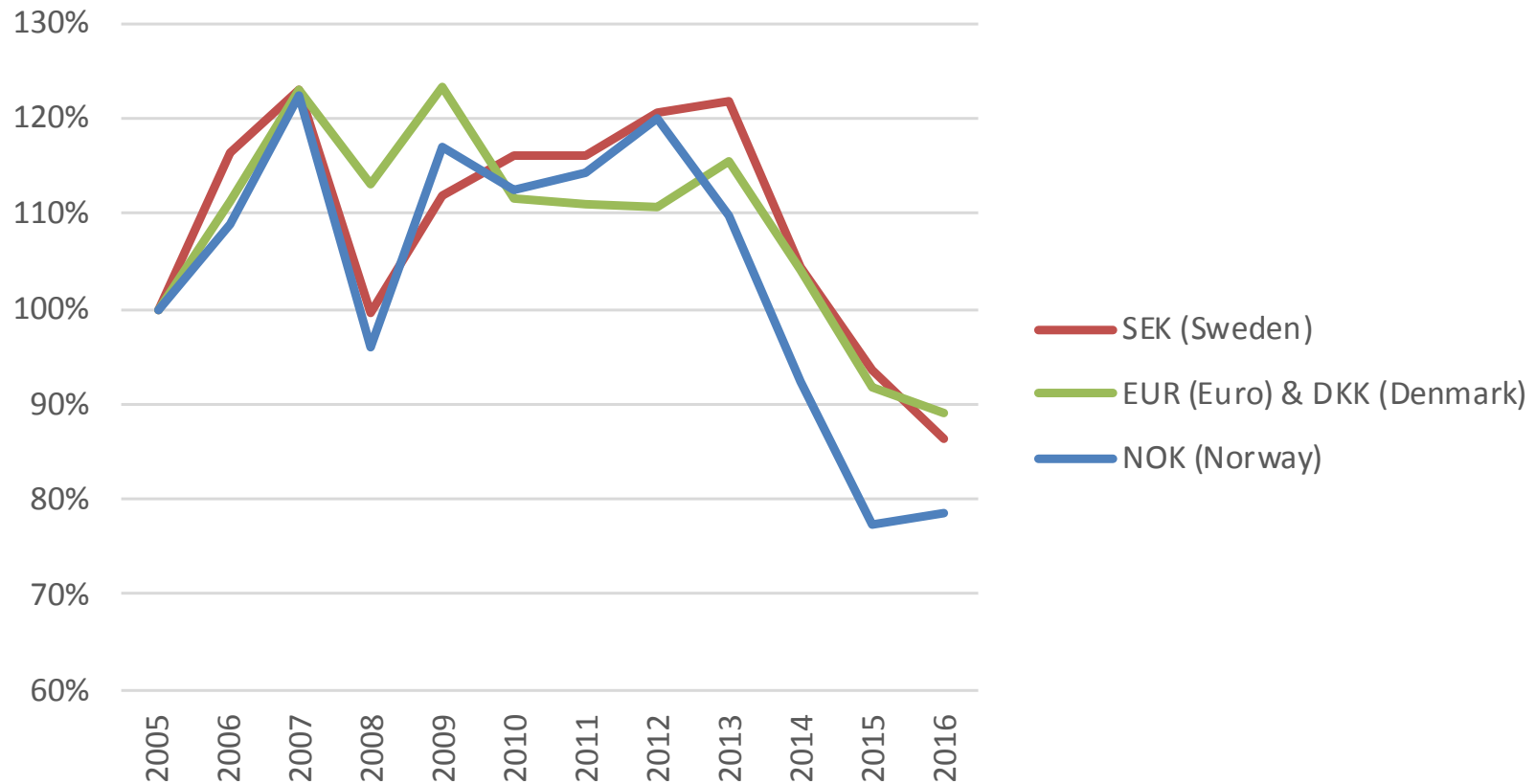
COASTAL HULL – BY CURRENCY

Number of vessels by original currency, by underwriting year



EXCHANGE RATES – NORDIC CURRENCIES

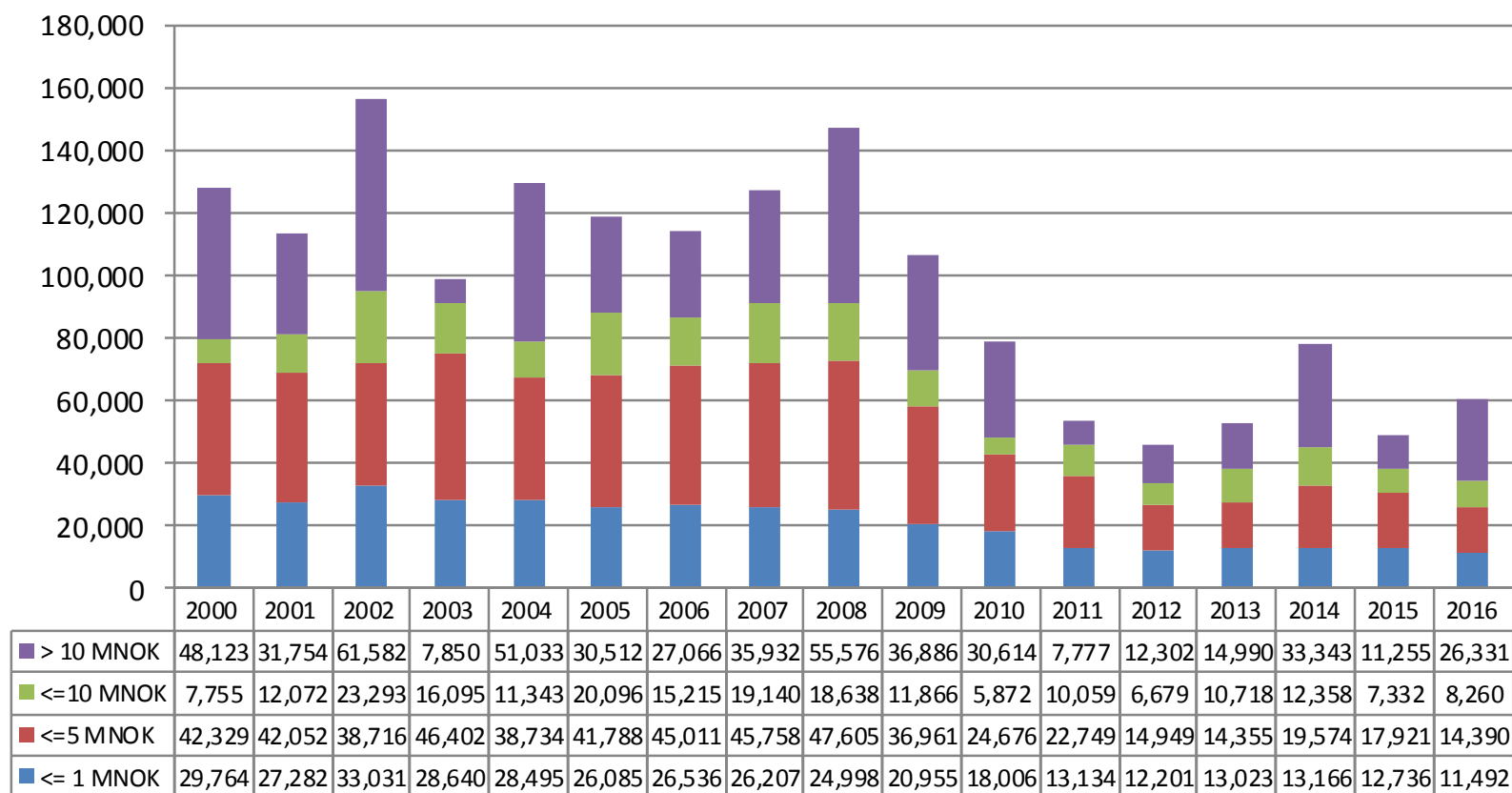
USD exchange rates against Nordic currencies and Euro



COASTAL HULL – CLAIM COST

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claim per vessel (NOK), by date of loss

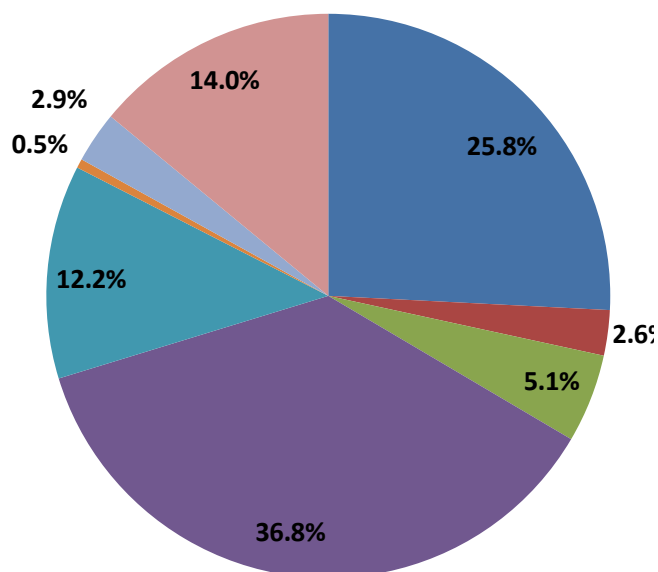


COASTAL HULL – CLAIMS BY TYPE

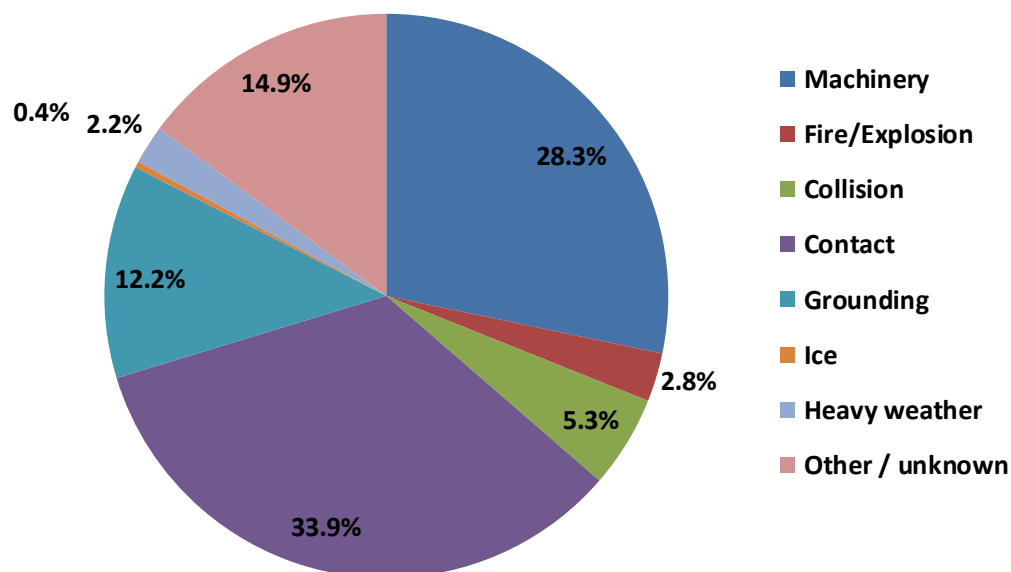
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type

Number of claims
2011-2015



Number of claims
2016



Total number of claims:

2011-2015: 8,425

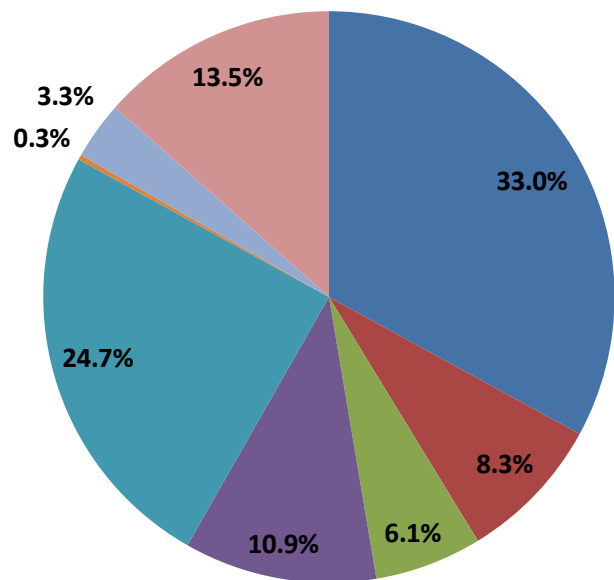
2016: 1,397

COASTAL HULL – CLAIMS BY TYPE

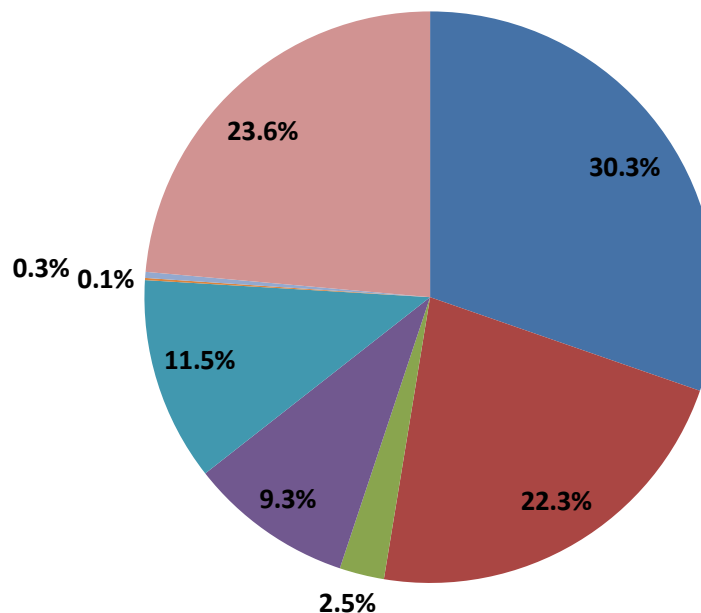
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type

Cost of claims
2011-2015



Cost of claims
2016



- Machinery
- Fire/Explosion
- Collision
- Contact
- Grounding
- Ice
- Heavy weather
- Other / unknown

Total cost, NOK million:

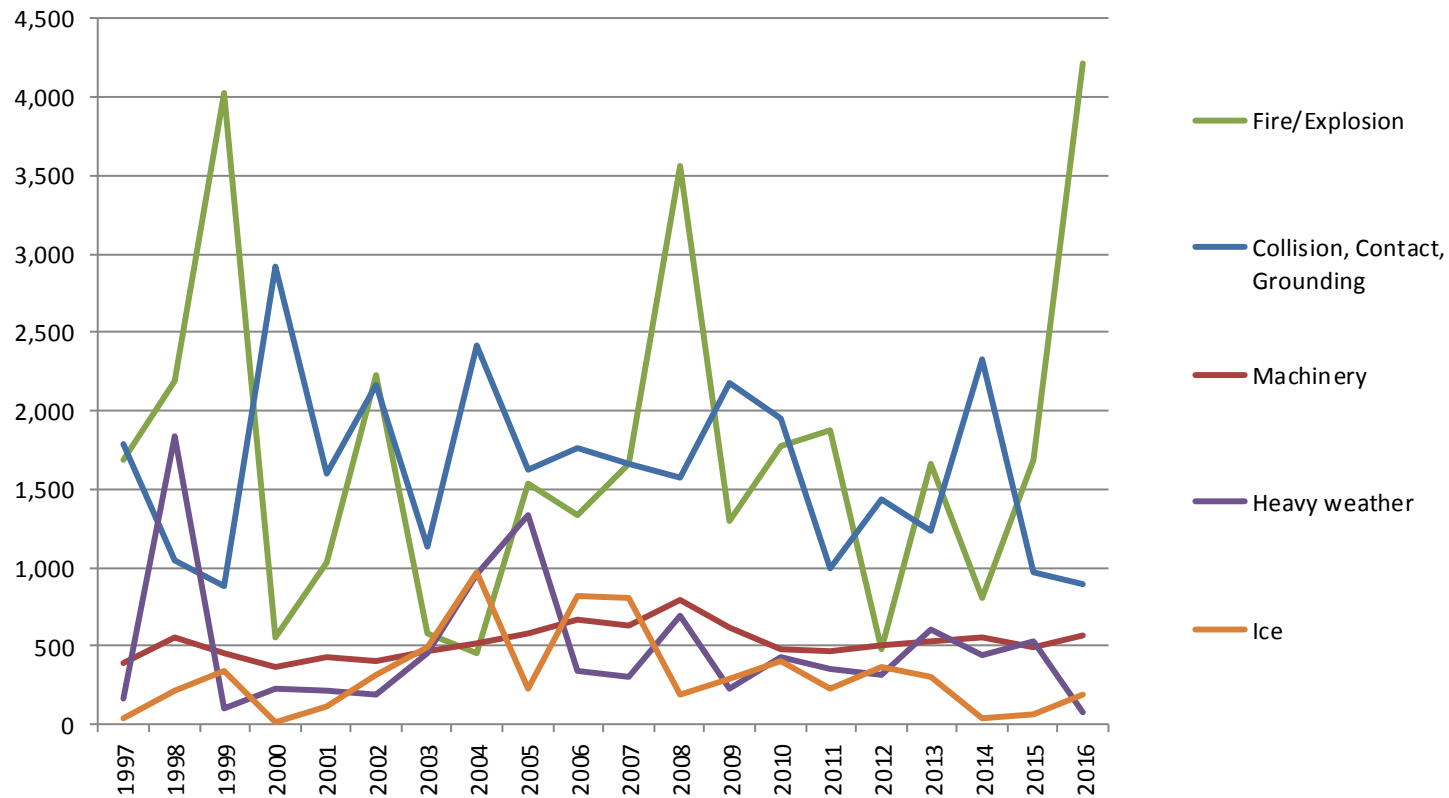
2011-2015: 3,345.2

2016: 739.0

COASTAL HULL – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

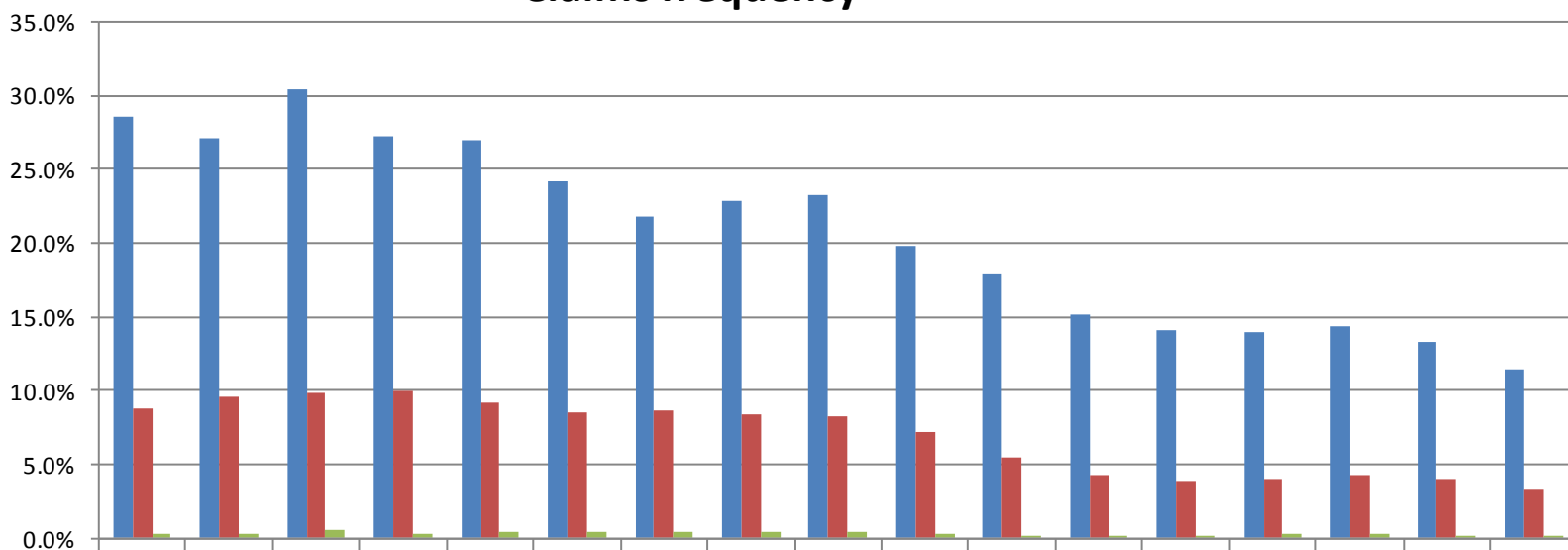
**Average claim cost by type of casualty (NOK 1,000)
by date of loss**



COASTAL HULL – CLAIMS FREQUENCY

INCL. IBNR RESERVE FOR FREQUENCY OF PARTIAL CLAIMS

Claims frequency

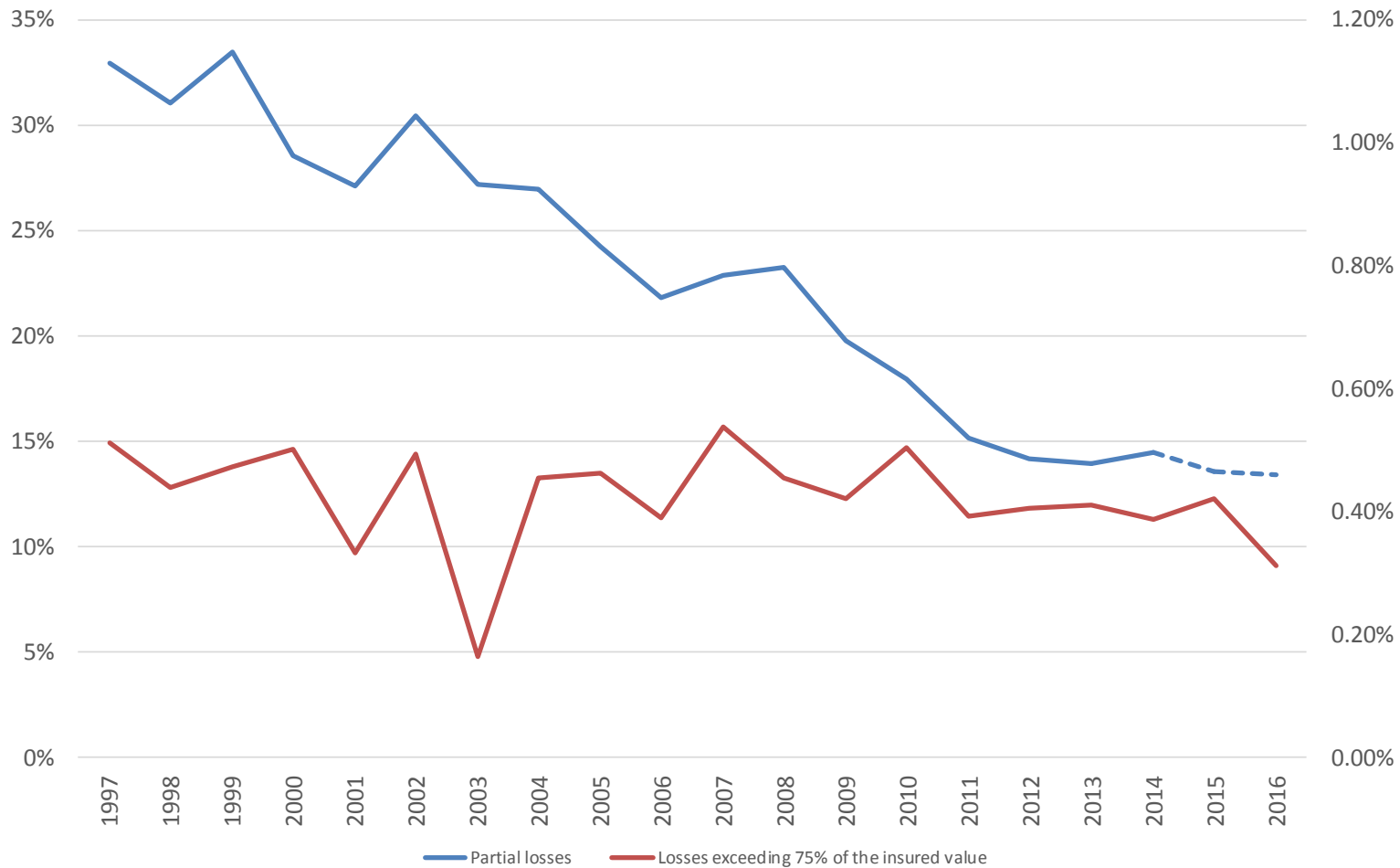


Comment: Claims < 100,000 NOK account for more than half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency.

COASTAL HULL – CLAIMS FREQUENCY

INCL. IBNR RESERVE FOR FREQUENCY OF PARTIAL CLAIMS

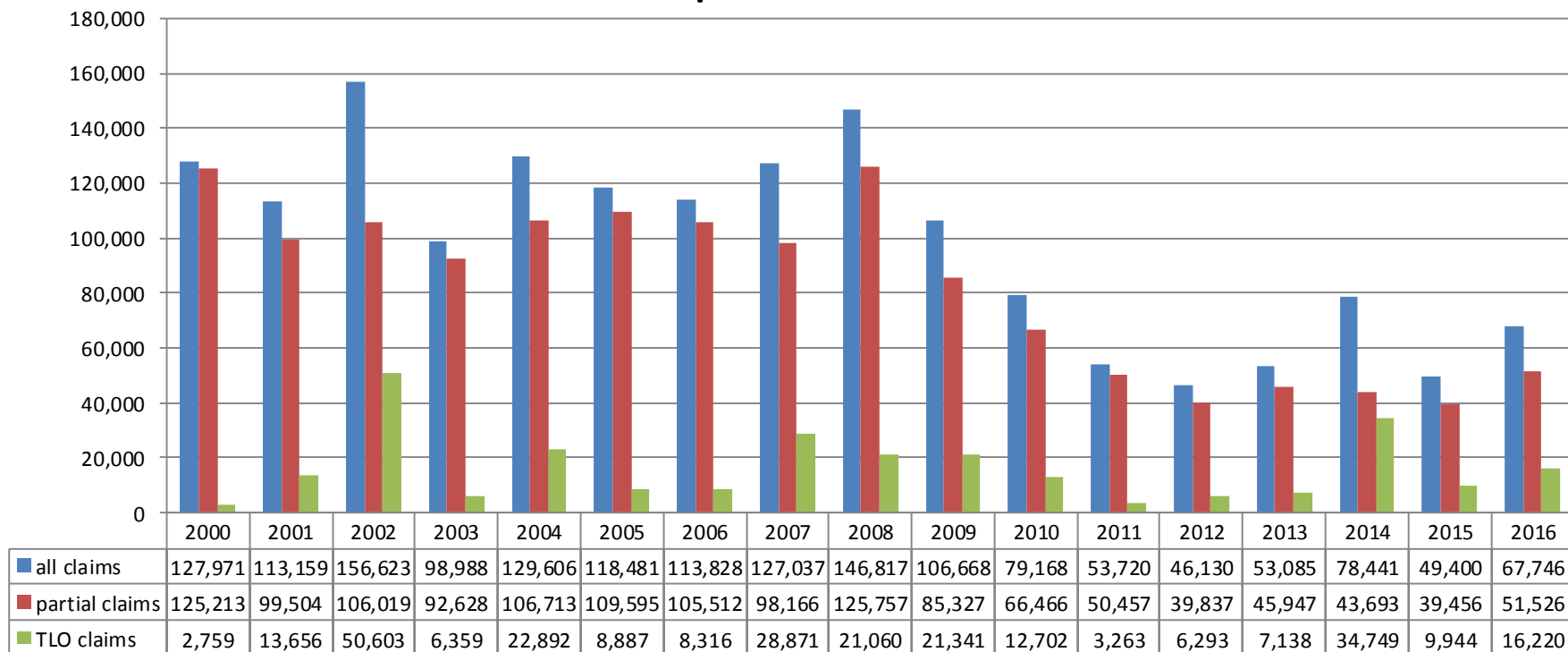
Claims frequency - total and partial losses



COASTAL HULL – CLAIM PER VESSEL

INCL. IBNR RESERVE FOR PARTIAL CLAIMS

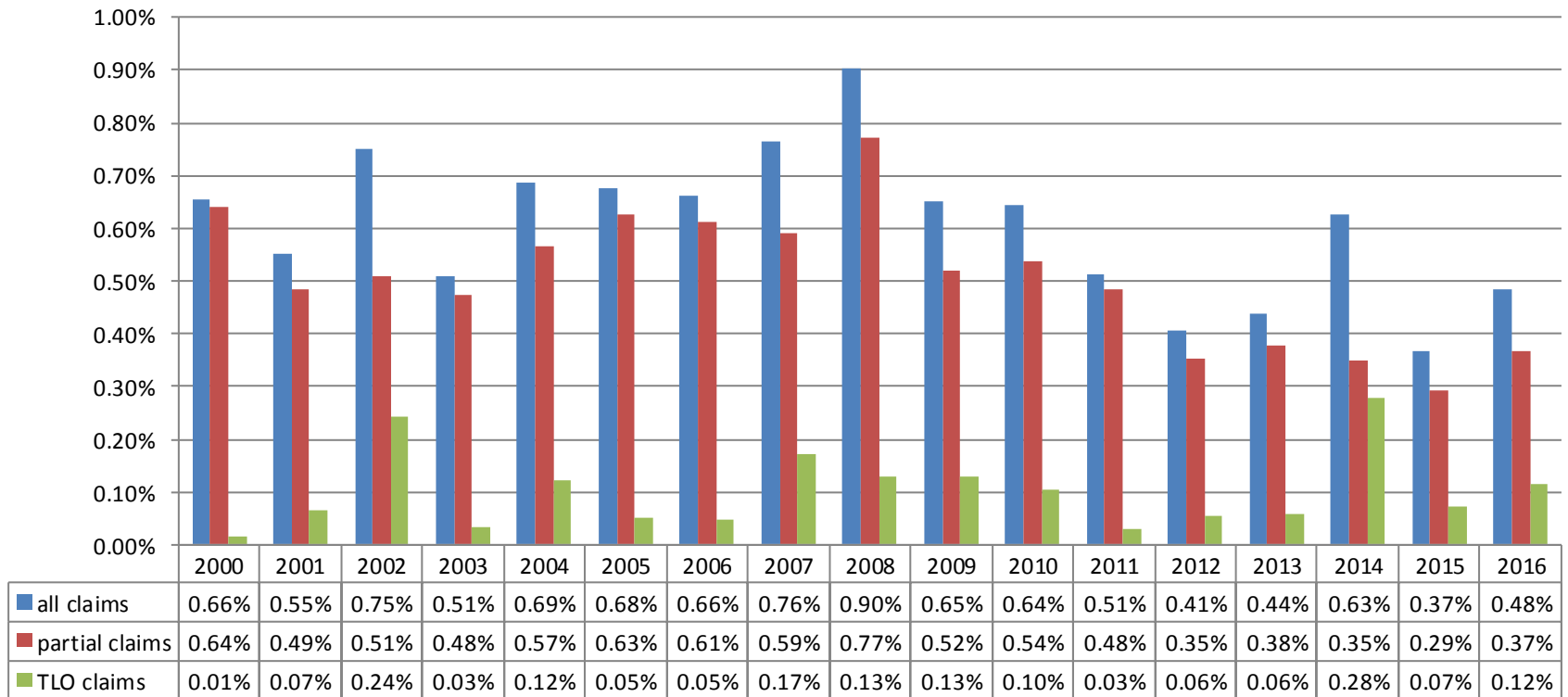
Claim per Vessel



COASTAL HULL – CLAIM PER VALUE

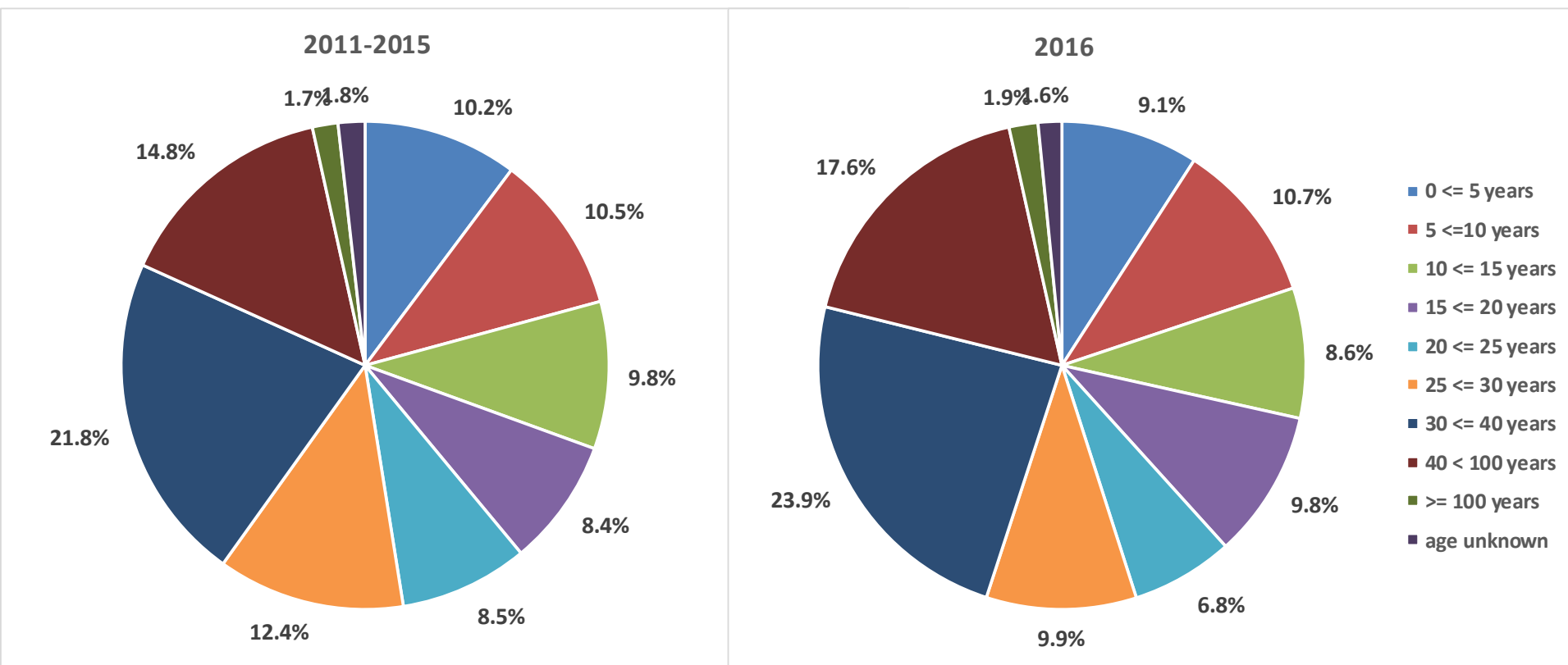
INCL. IBNR RESERVE FOR PARTIAL CLAIMS

Claim per Sum Insured



COASTAL HULL – BY AGE GROUP

Number of vessels per age group, by year of exposure



Total number of vessels:

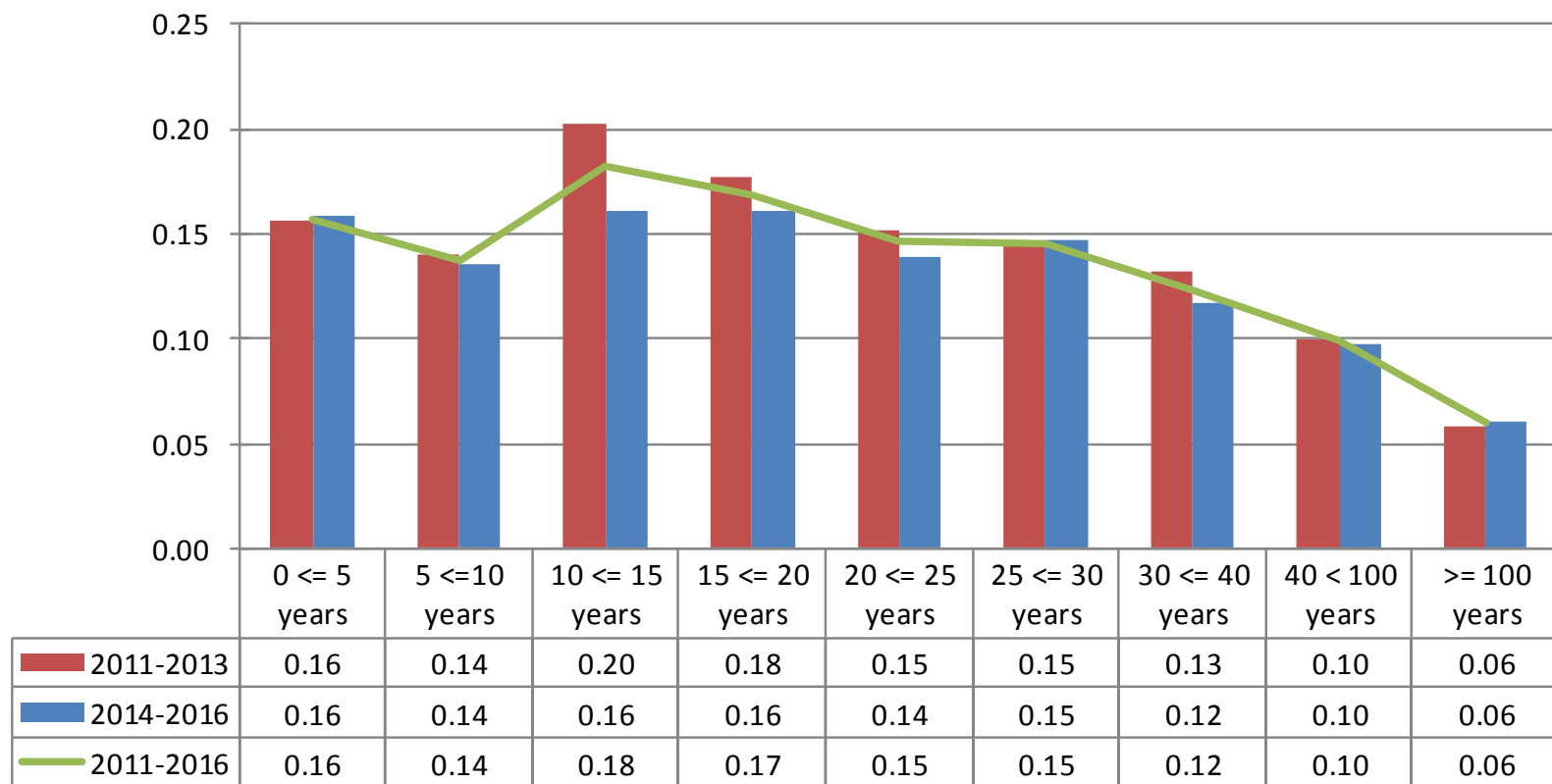
2011-2015: 59,510

2016: 12,220

COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per age group

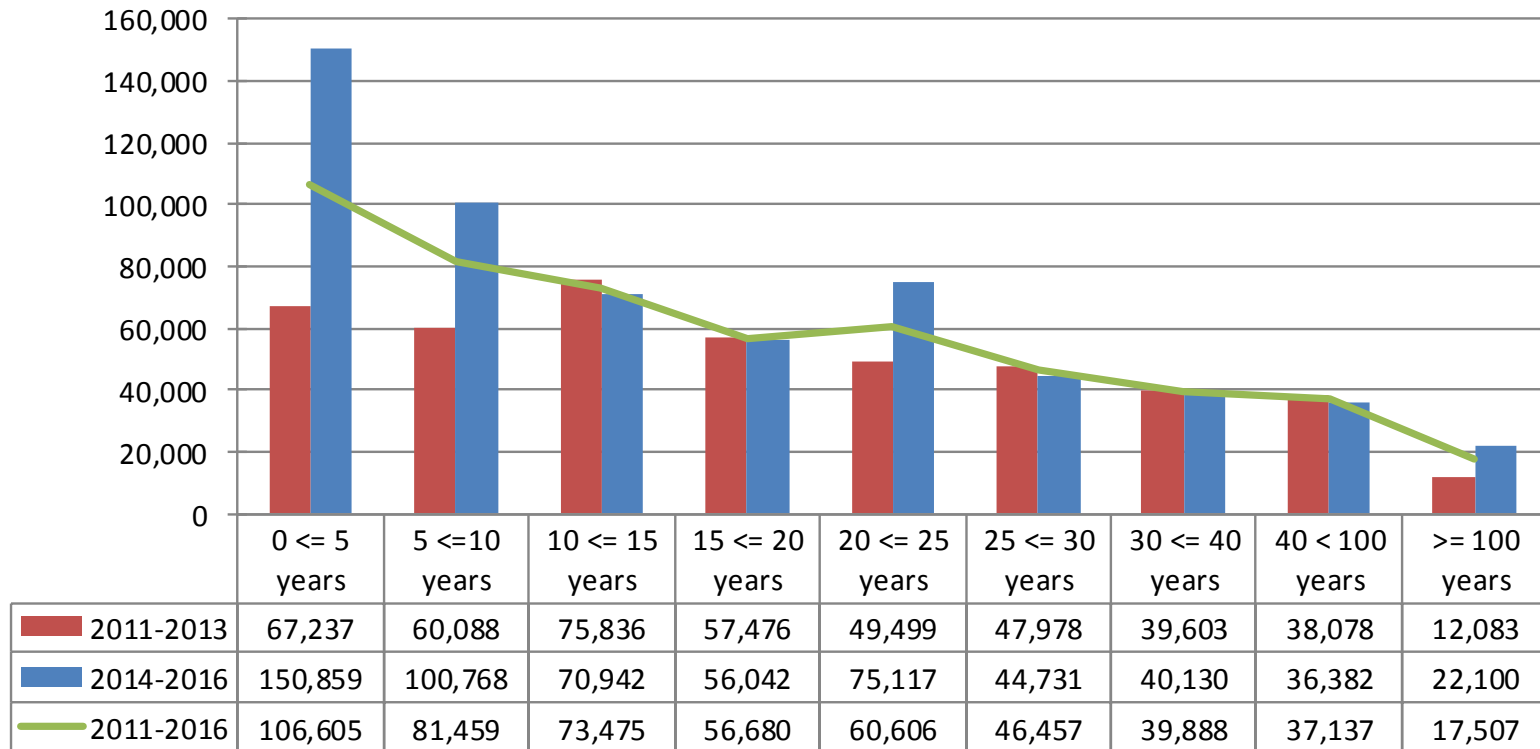


Comment: Claims < 100.000 NOK account for about half of all claims. Registration of these may vary over time and in each company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency

COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

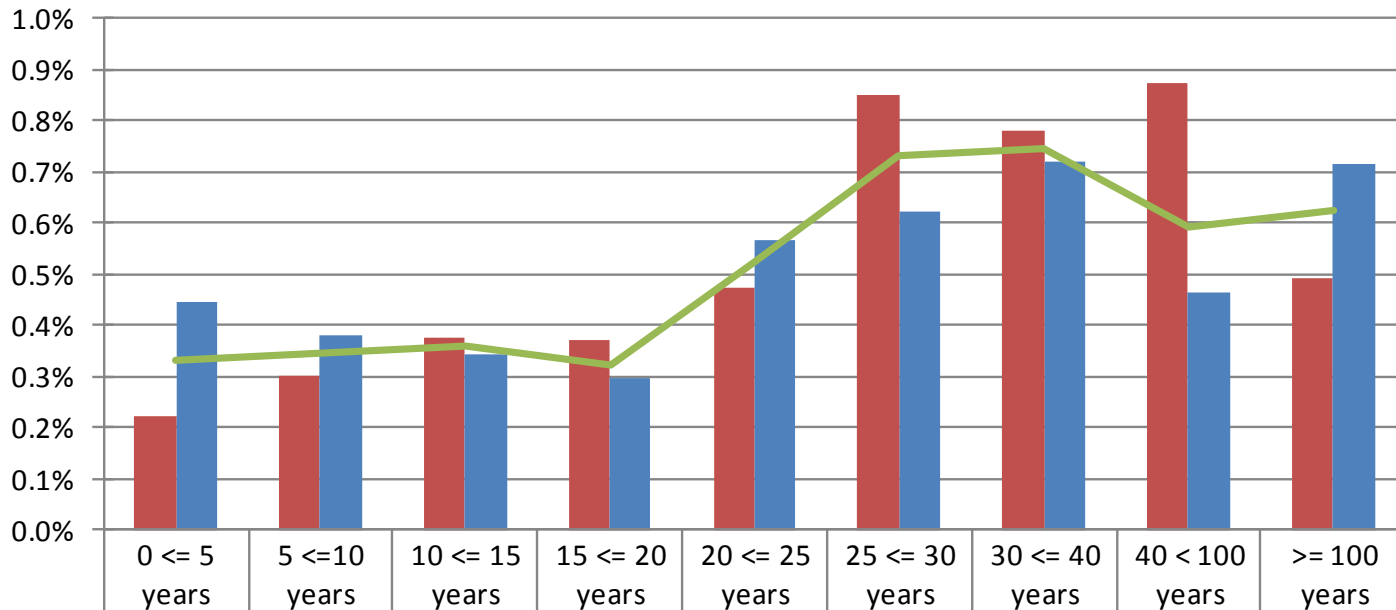
Claim per vessel per age group



COASTAL HULL – BY AGE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

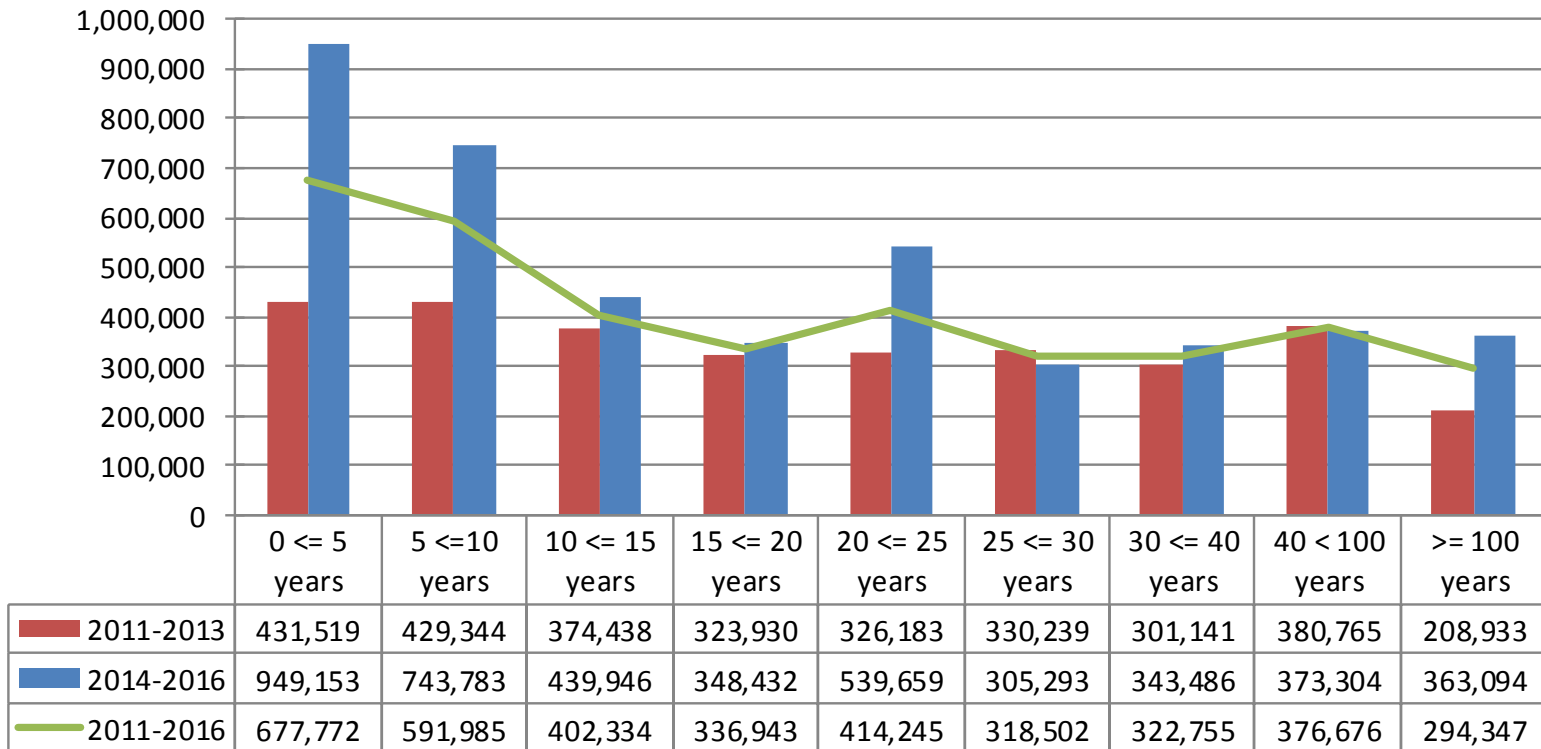
Claim per Sum Insured per age group



COASTAL HULL – BY AGE GROUP

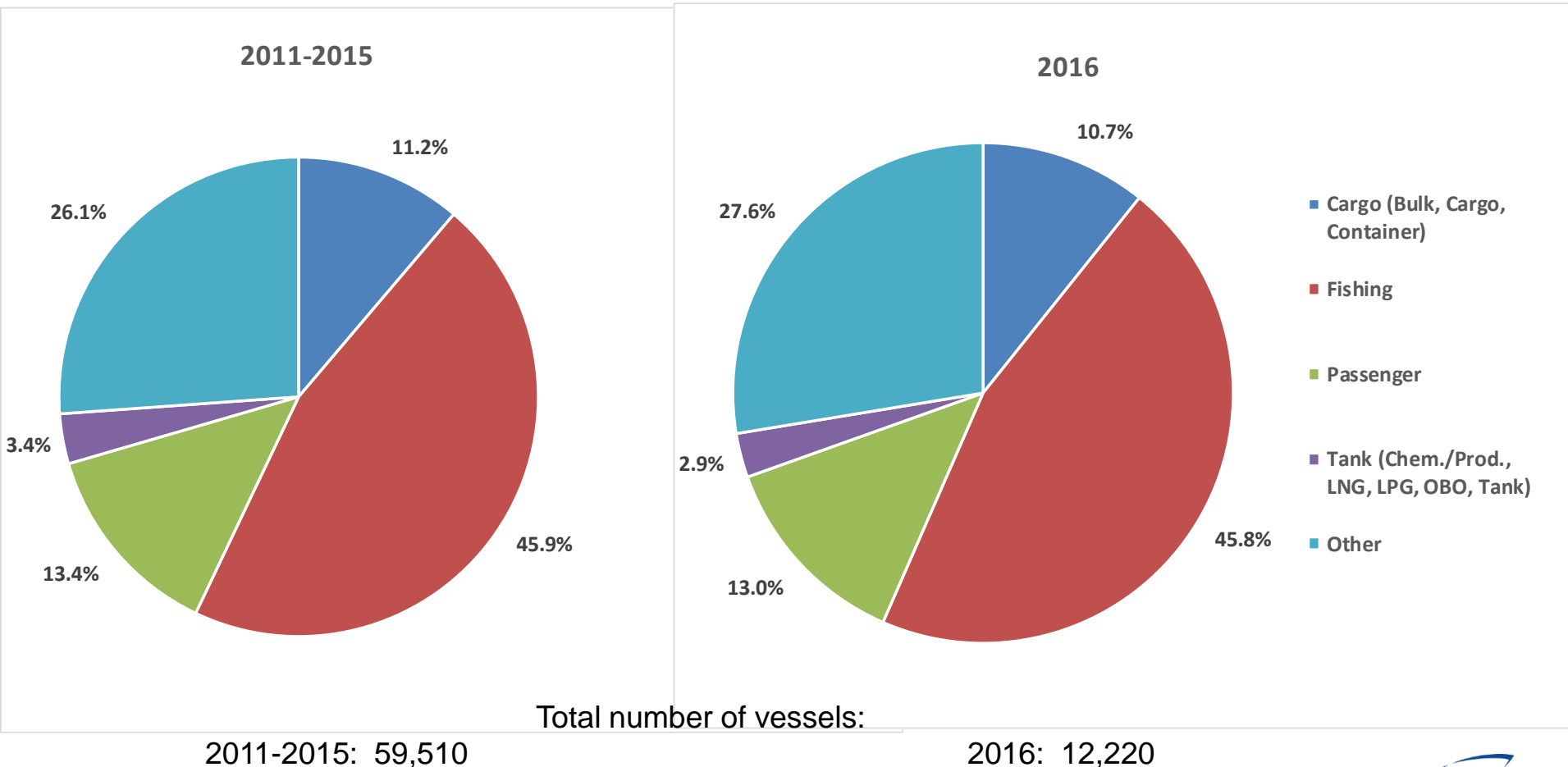
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost per age group



COASTAL HULL – BY VESSEL TYPE

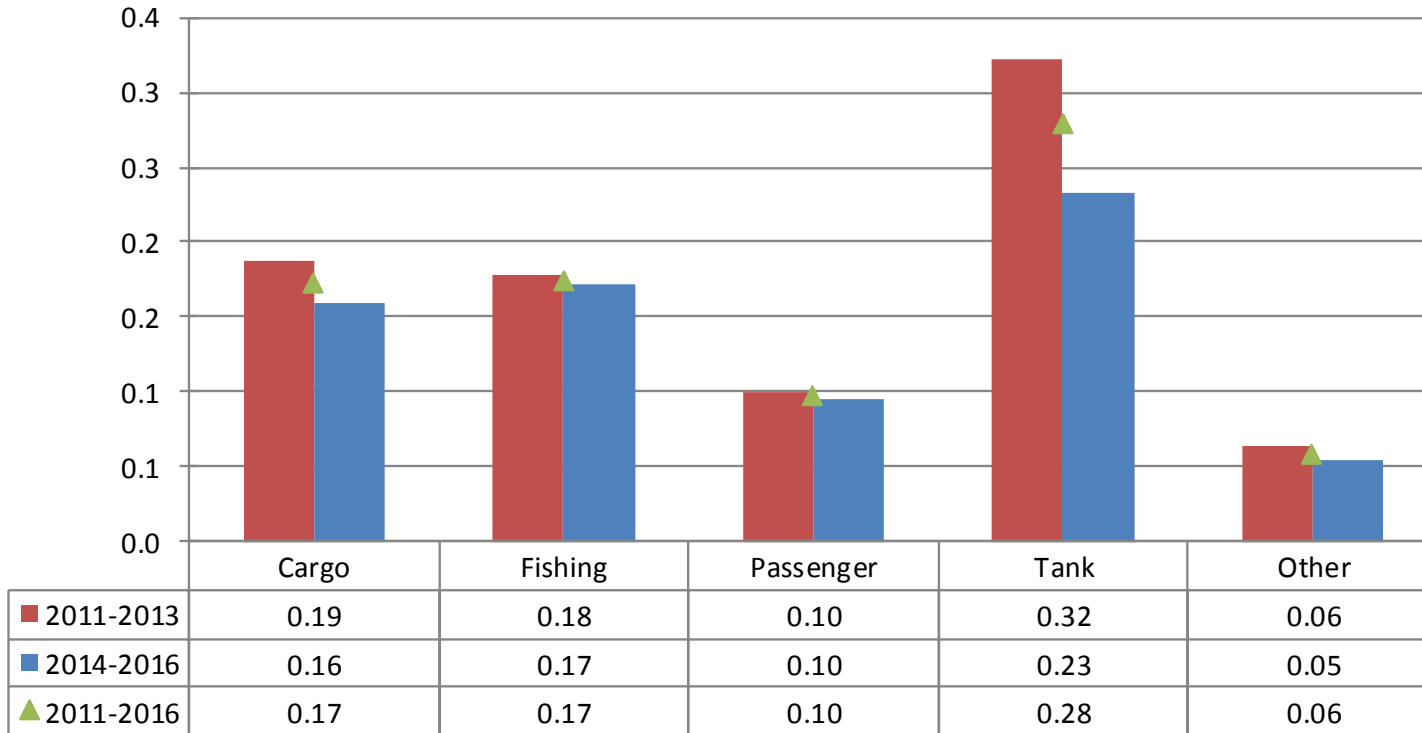
Number of vessels per vessel type, by year of exposure



COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per vessel type group



"Cargo" includes Bulk, Cargo, Container vessels.

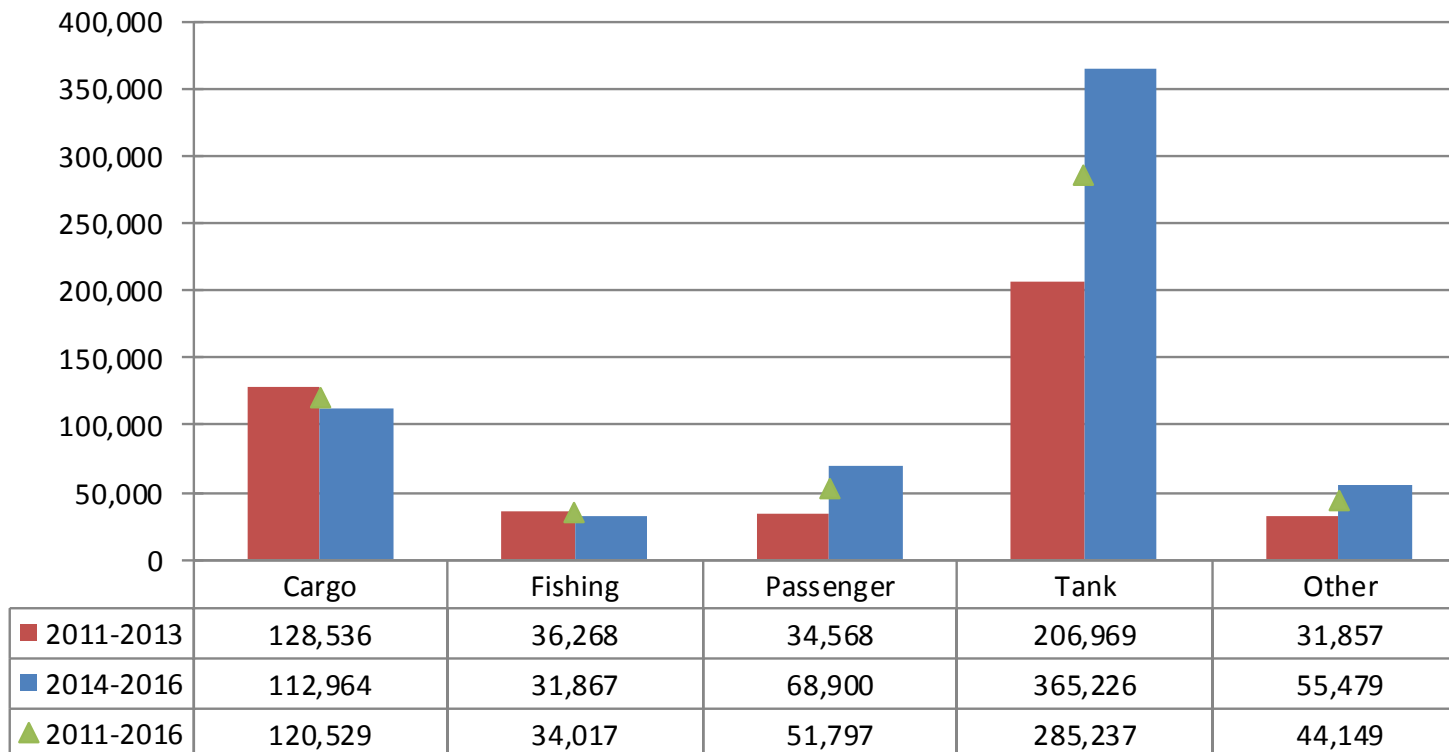
"Tank" includes Chemical/Product, LNG/LPG and other tank vessels.

Claims < 100,000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

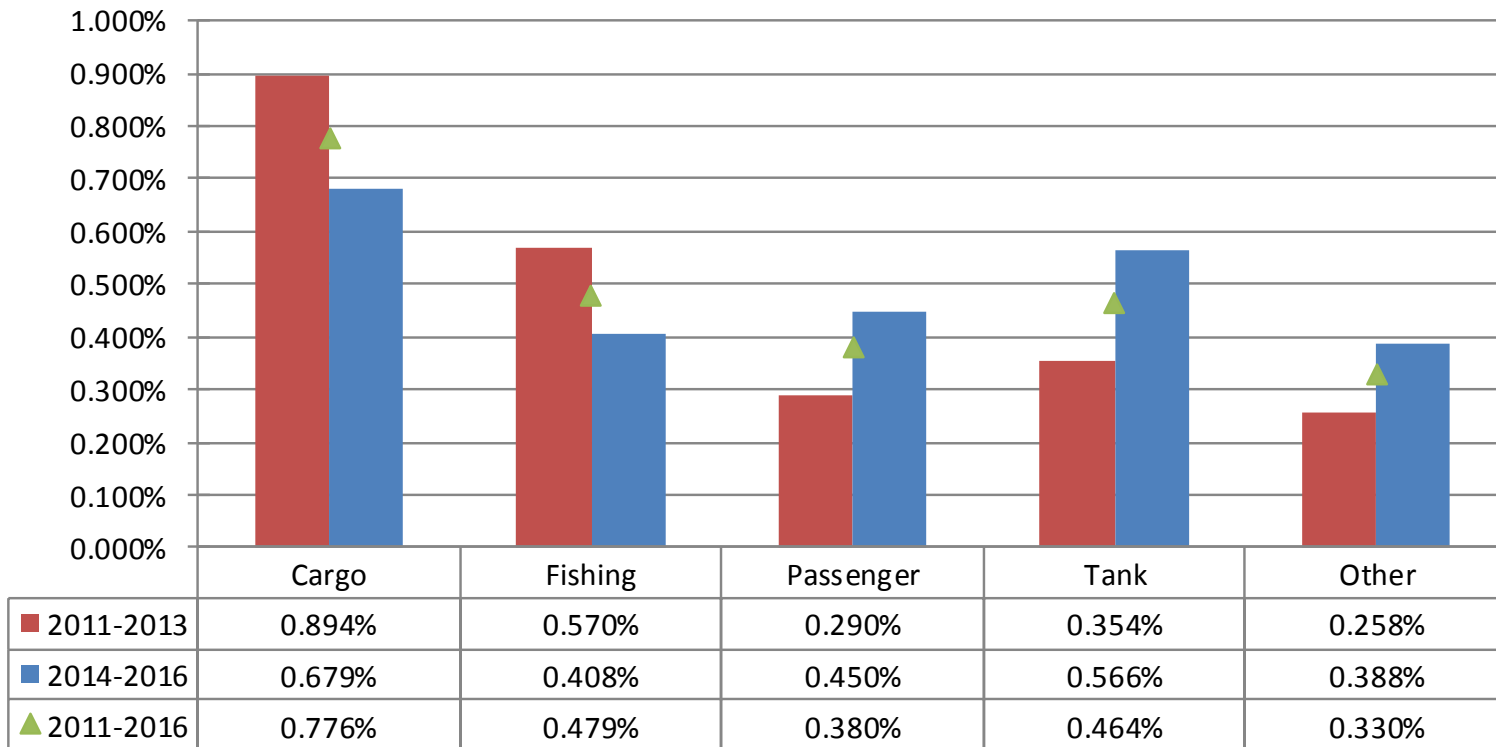
Claim per vessel per vessel type group



COASTAL HULL – BY VESSEL TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

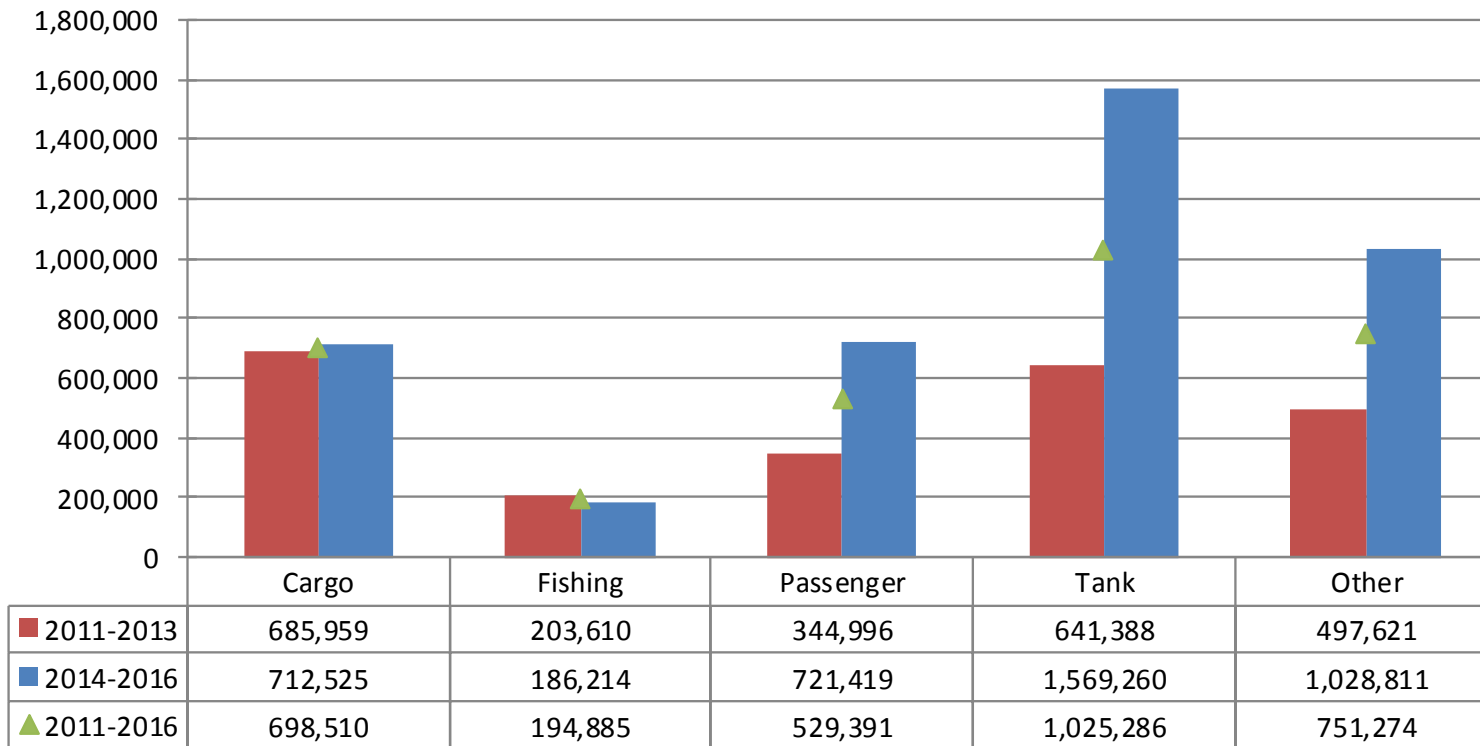
Claim per Sum Insured per vessel type group



COASTAL HULL – BY VESSEL TYPE

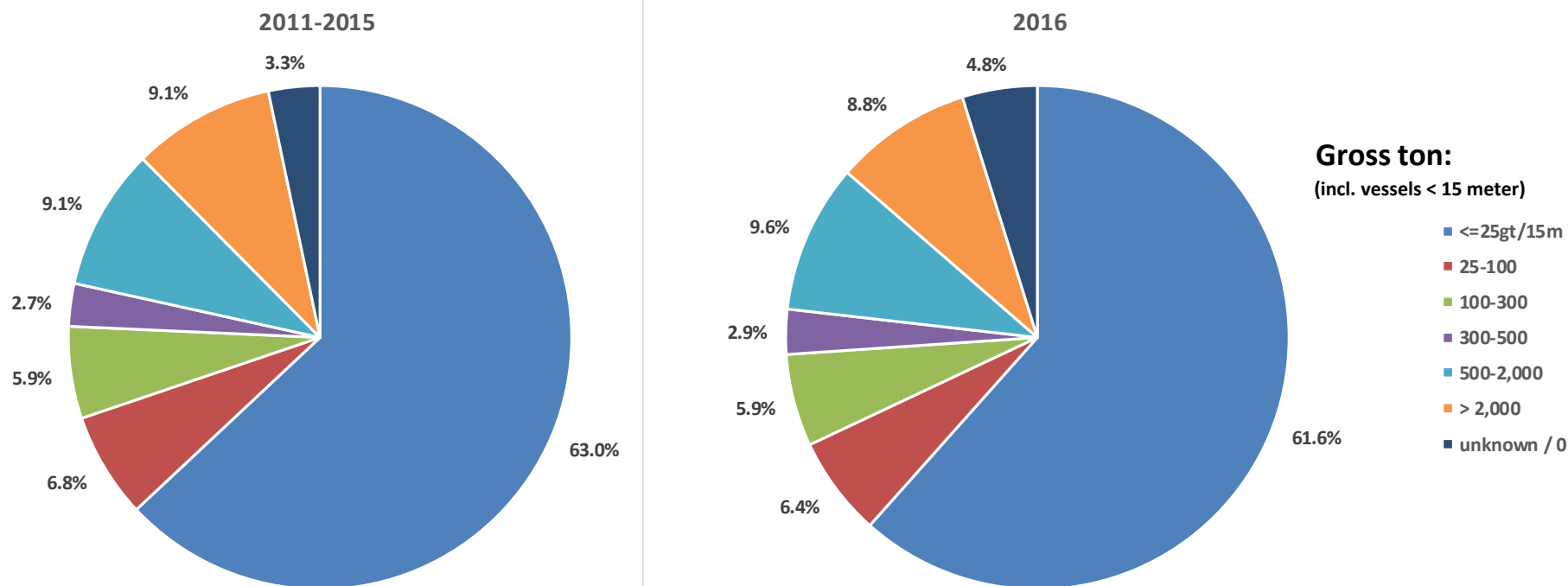
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost per vessel type group



COASTAL HULL – BY SIZE GROUP

Number of vessels per GT Size Group

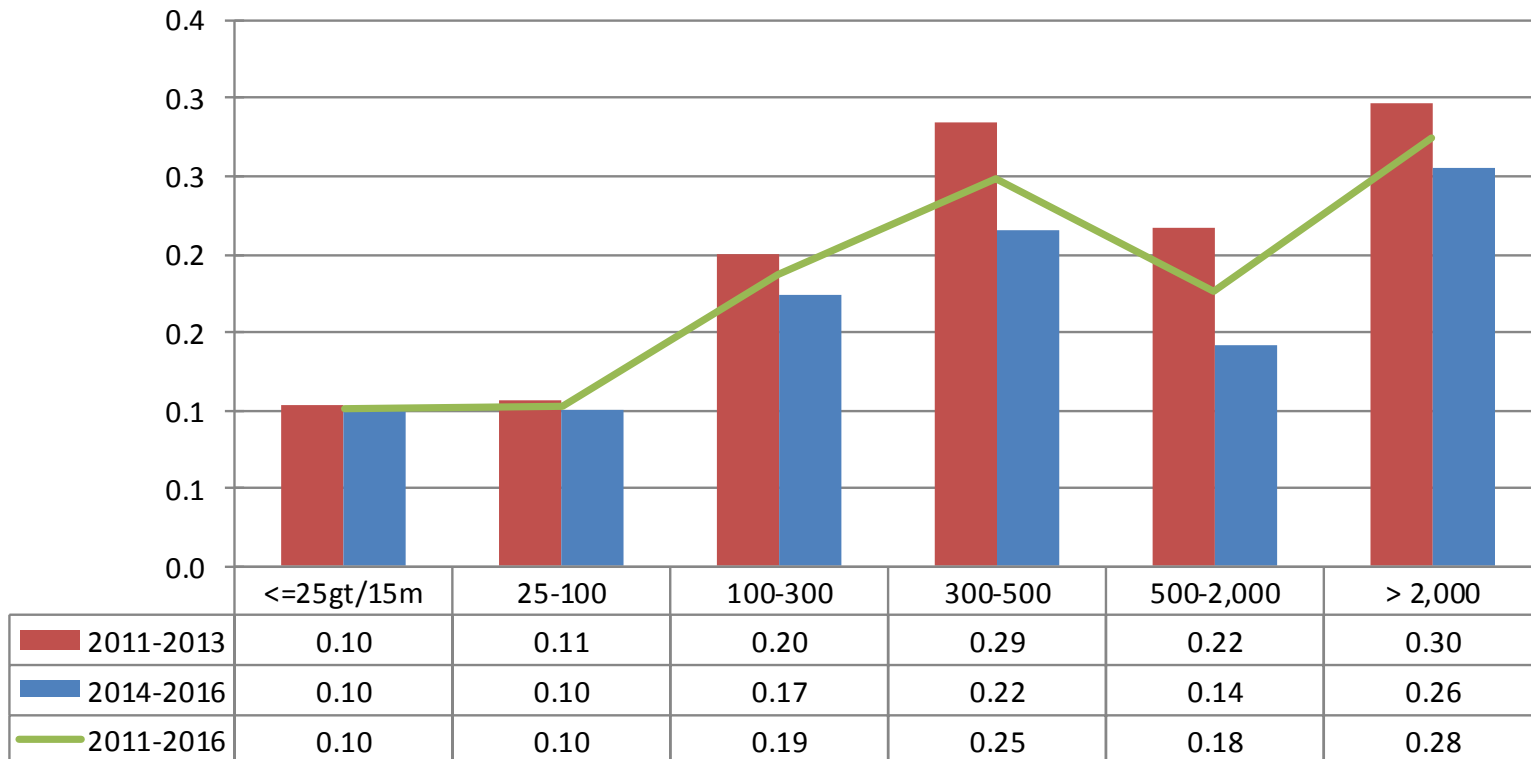


Total number of vessels:
2011-2015: 59,510 2016: 12,220

COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per gross ton size group

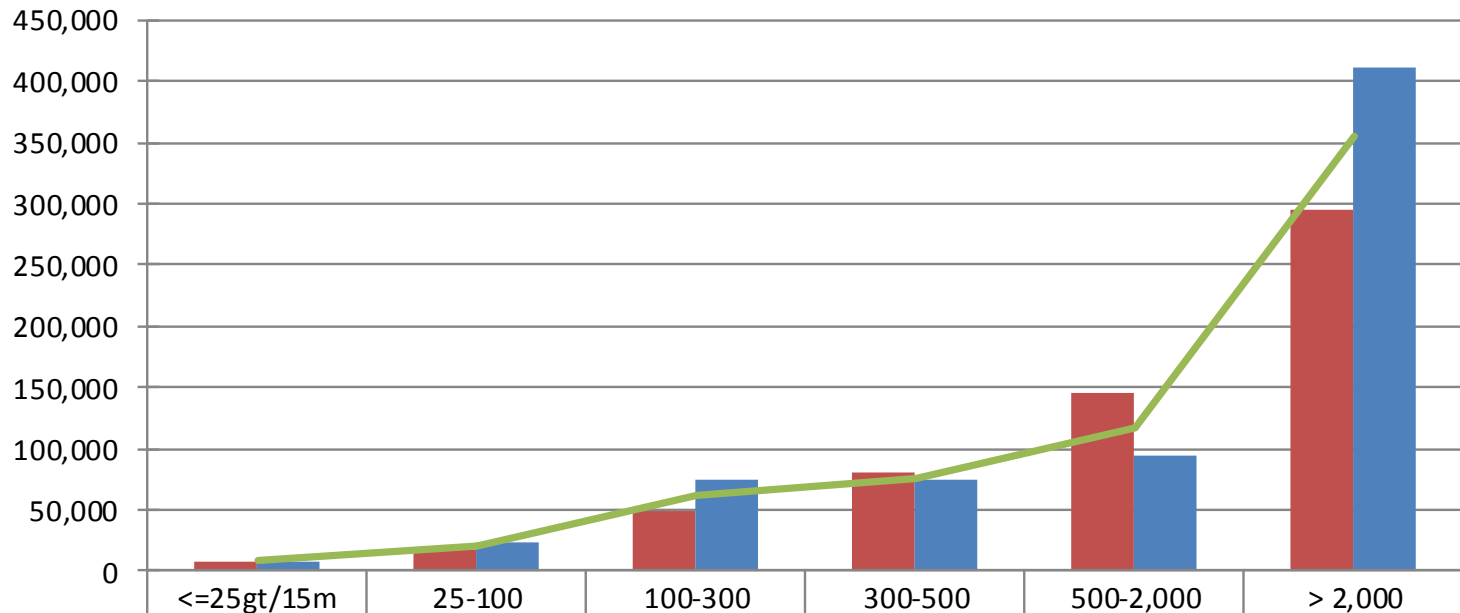


Comment: Claims < 100.000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles will have impact on the registered frequency

COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claim per vessel per gross ton size group

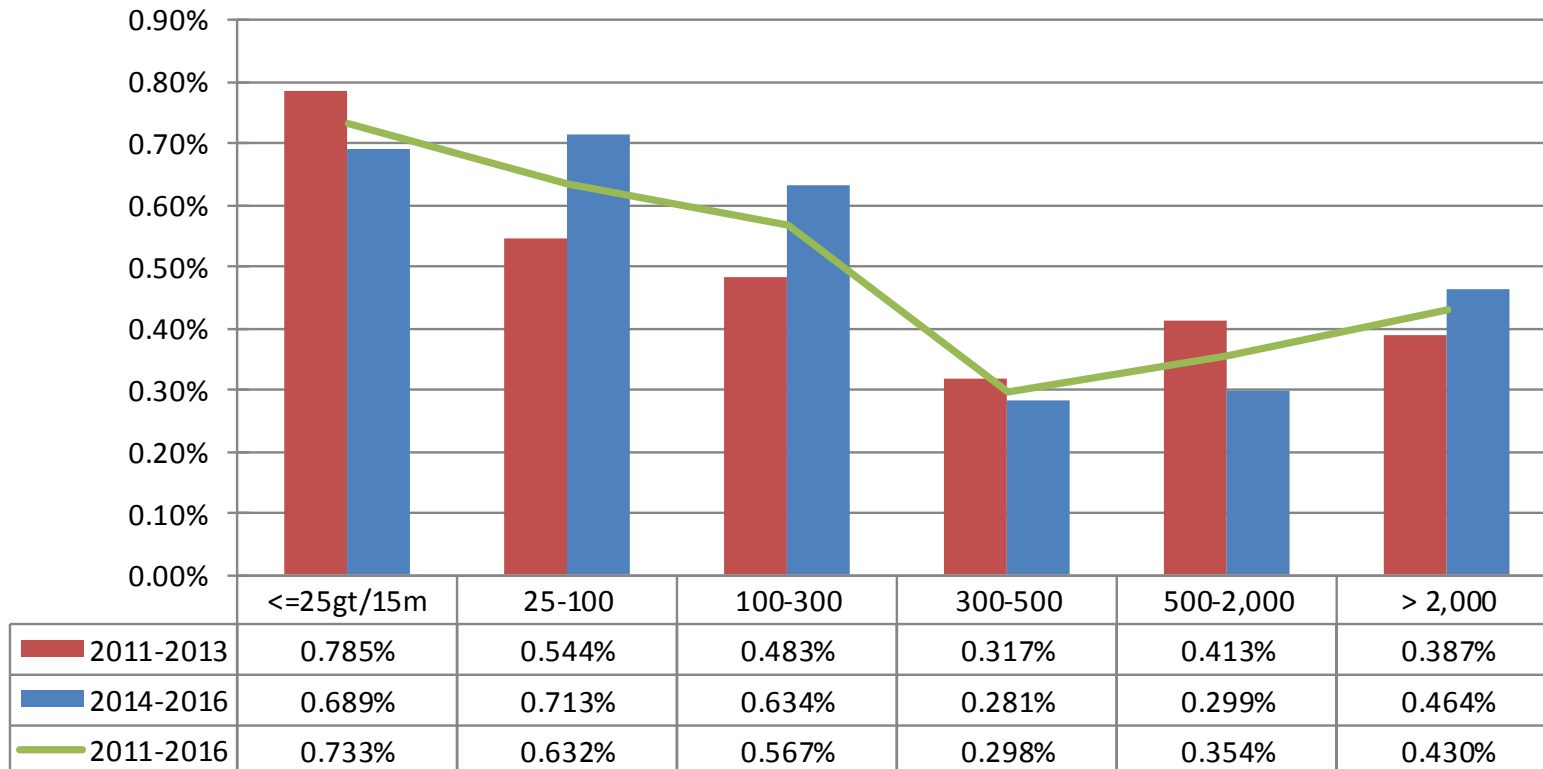


	<=25gt/15m	25-100	100-300	300-500	500-2,000	> 2,000
2011-2013	8,429	17,491	48,799	79,708	144,649	295,623
2014-2016	8,612	24,265	75,145	73,746	94,869	411,361
2011-2016	8,521	20,921	62,534	76,580	117,543	355,918

COASTAL HULL – BY SIZE GROUP

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

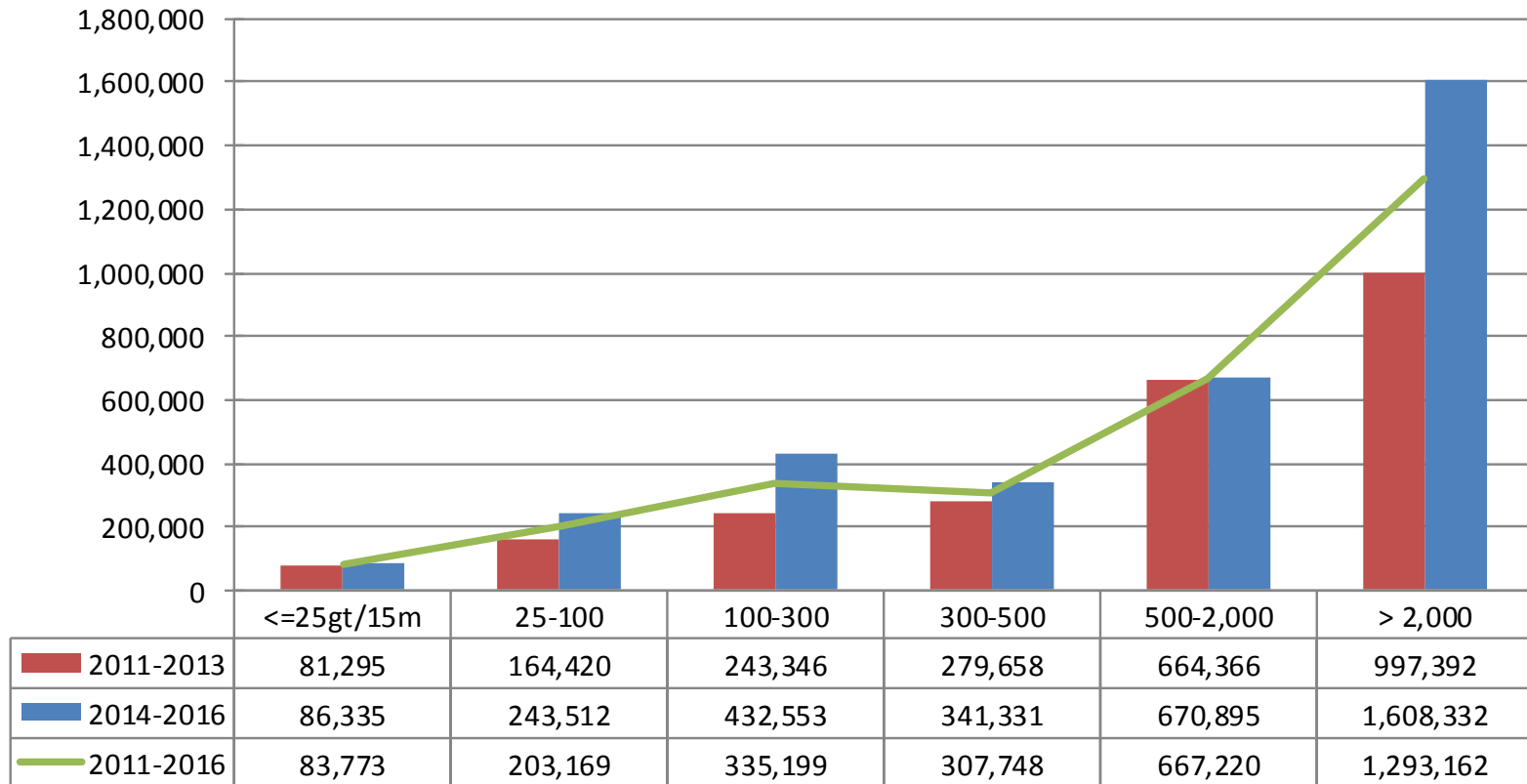
Claim per Sum Insured per gross ton size group



COASTAL HULL – BY SIZE GROUP

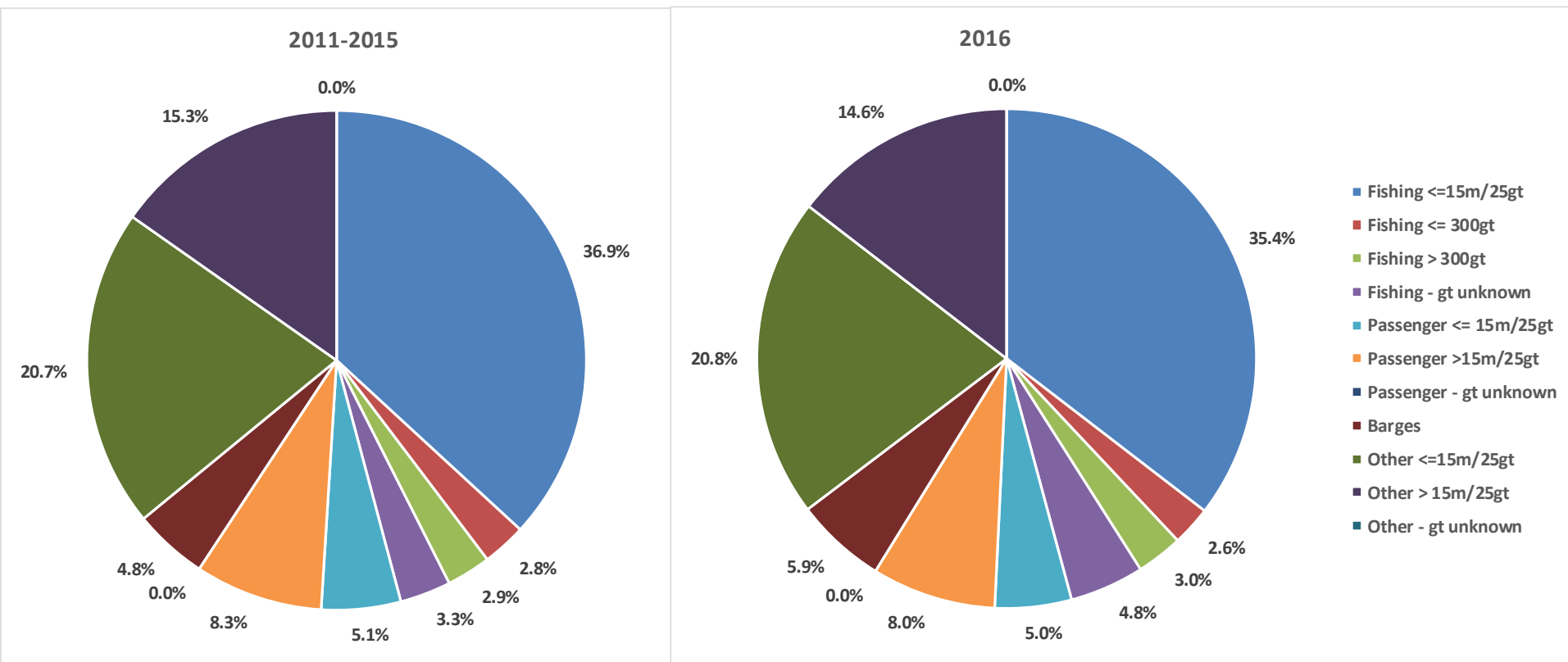
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average Claim cost per gross ton size group



COASTAL HULL – SPECIAL GROUPS

Number of vessels for selected vessel type & size groups
by year of exposure



Total number of vessels:

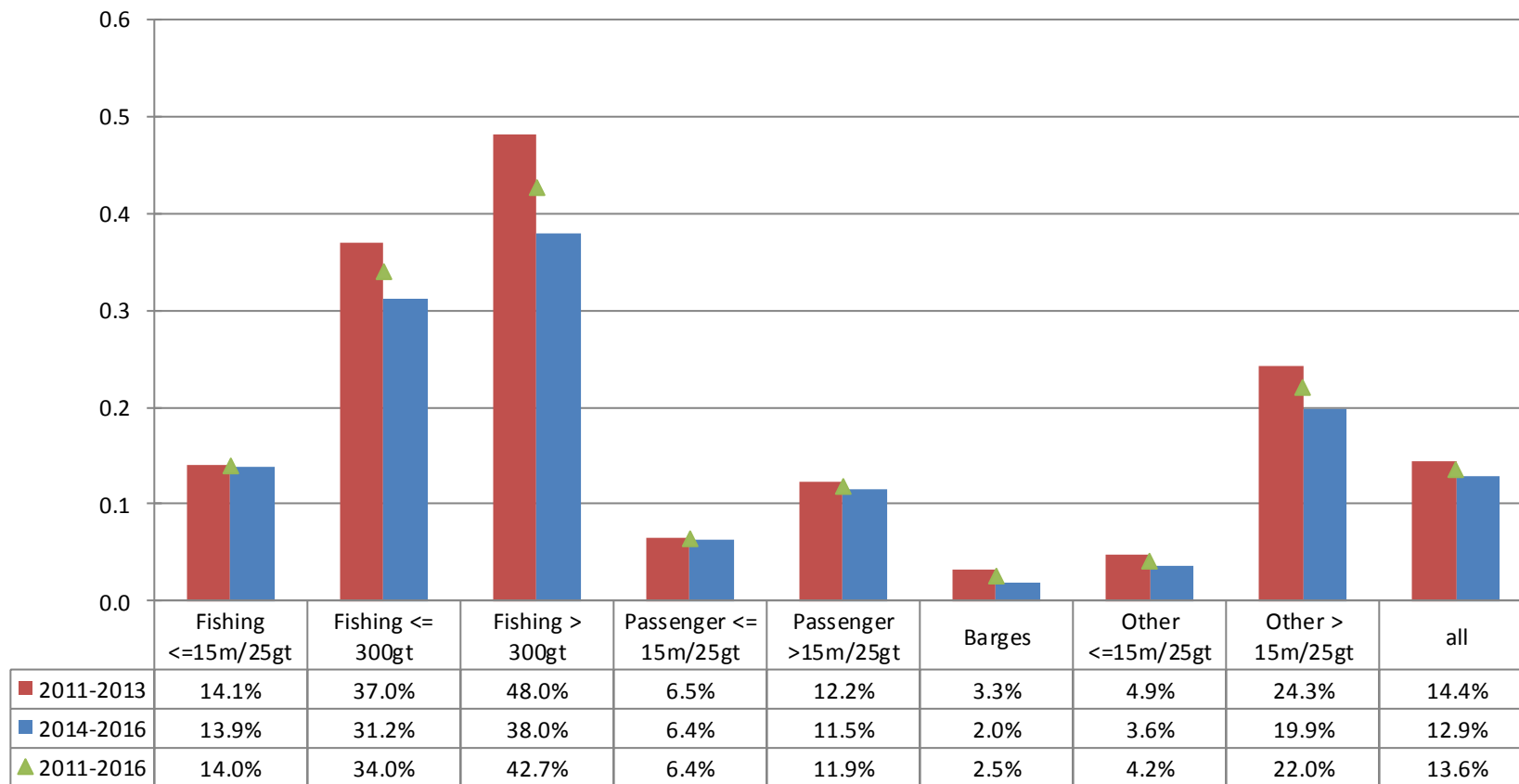
2011-2015: 59,510

2016: 12,220

COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency, selected coastal vessel type & size groups

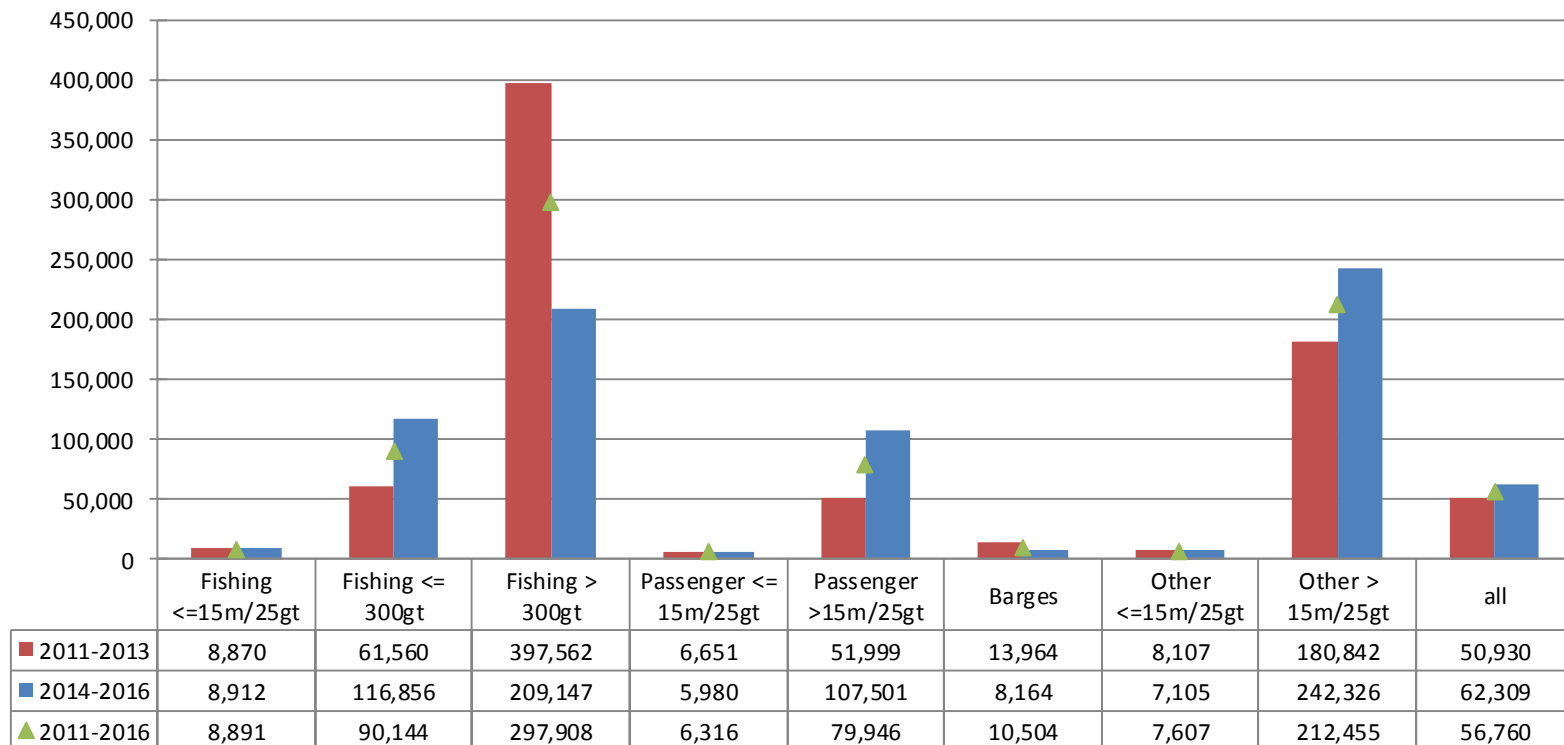


Claims < 100.000 NOK account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

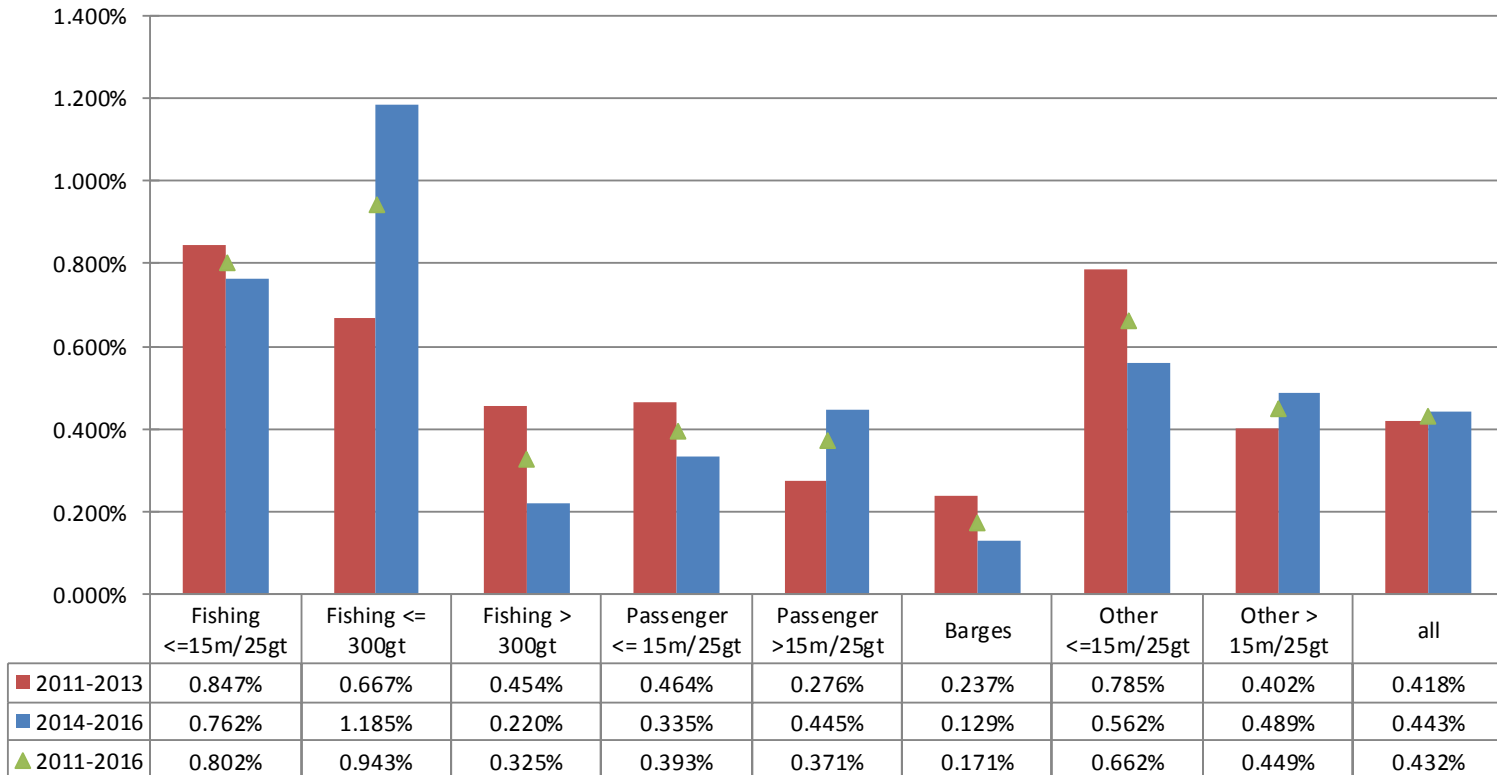
Claim per vessel, selected coastal vessel type & size groups



COASTAL HULL – SPECIAL GROUPS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

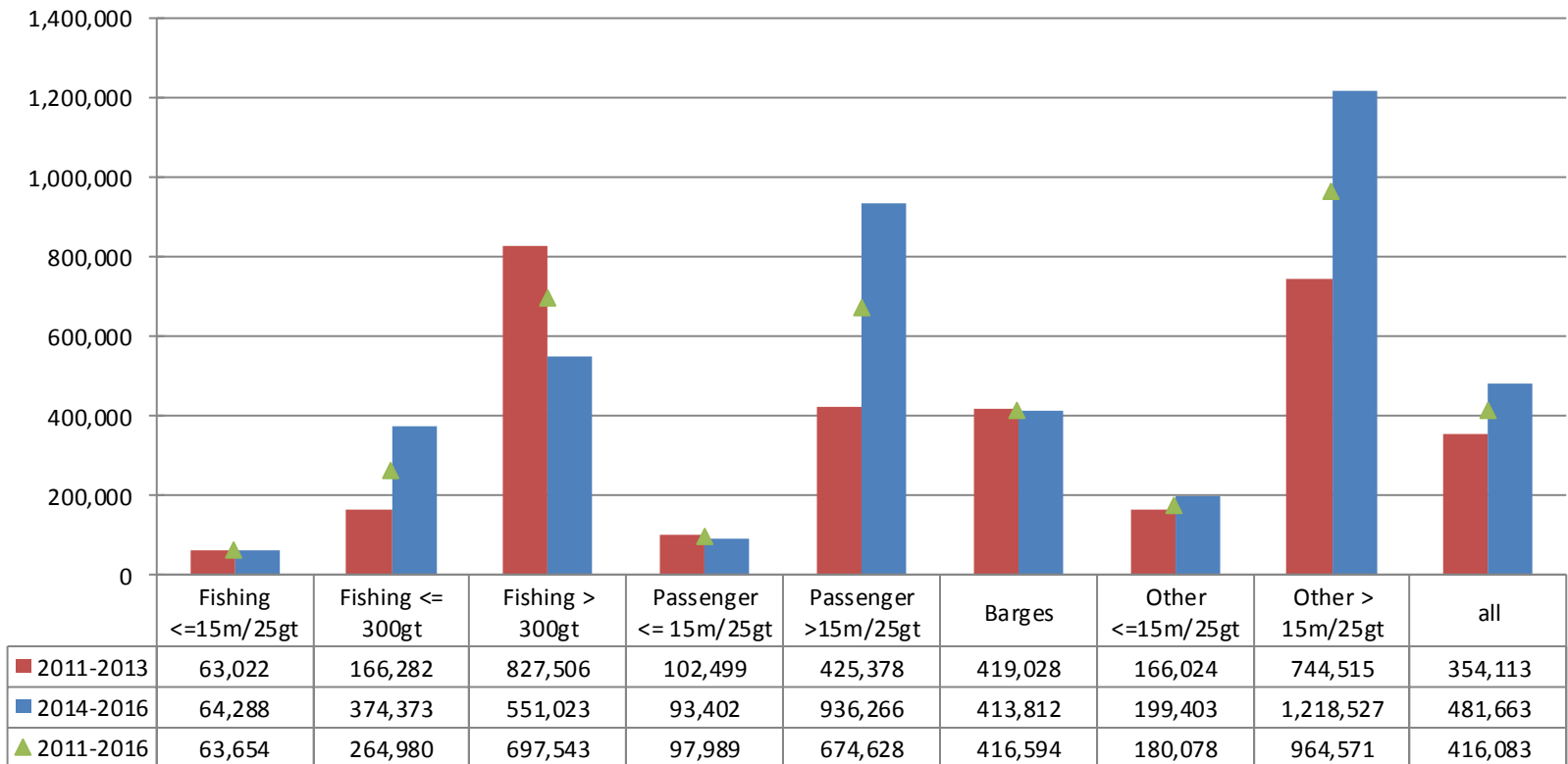
Claim per Sum Insured, selected coastal vessel type and size groups



COASTAL HULL – SPECIAL GROUPS

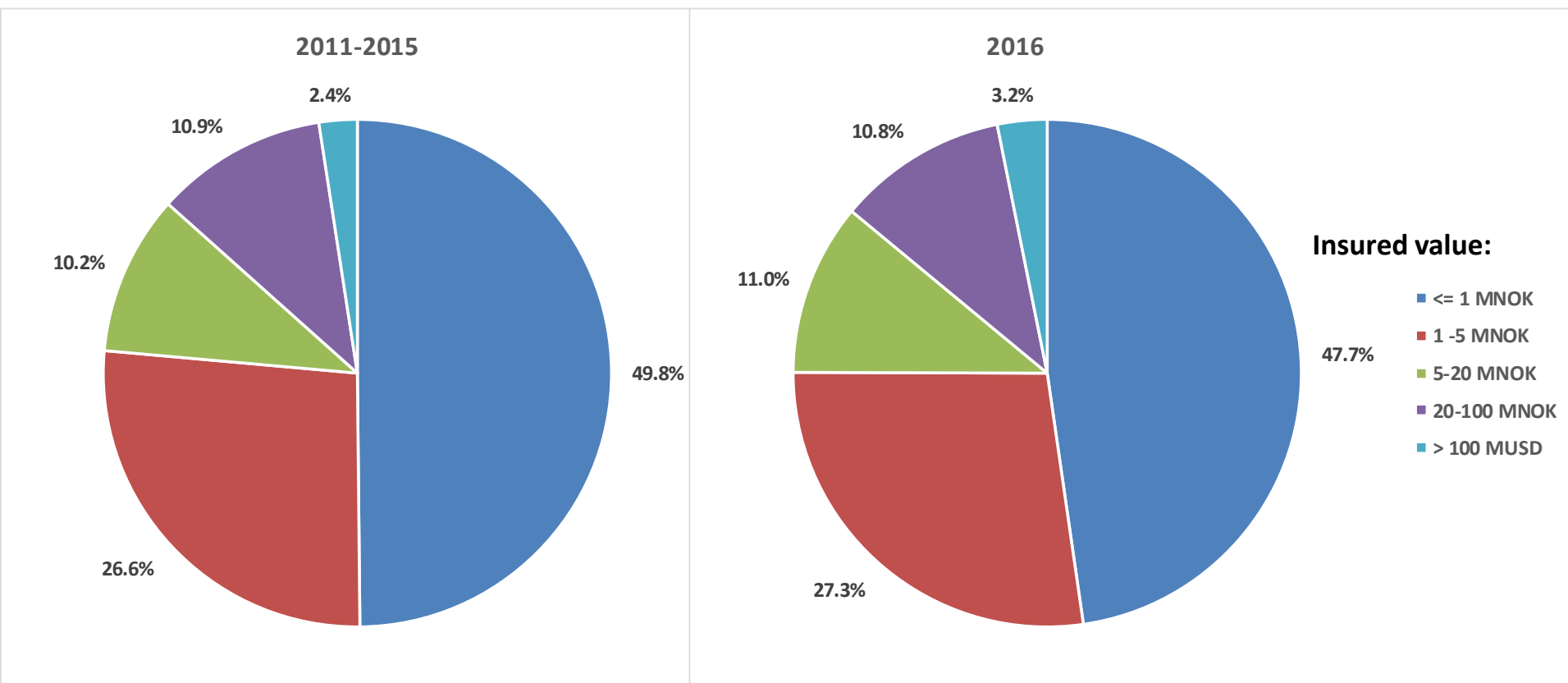
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost, selected coastal vessel type & size groups



COASTAL HULL – SUM INSURED LAYERS

Number of vessels by insured value (SI) layer
by year of exposure



Total number of vessels:

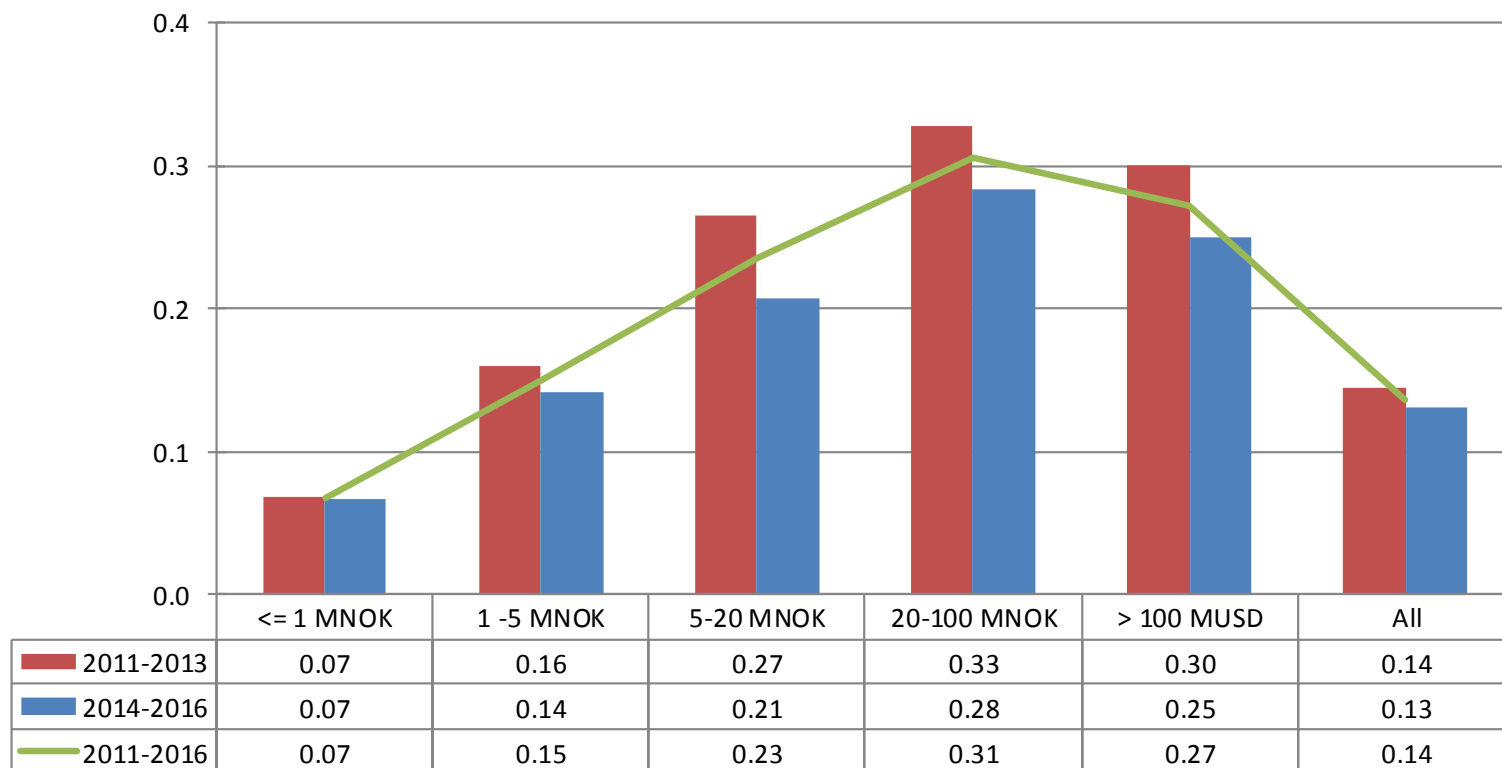
2011-2015: 59,510

2016: 12,220

COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims frequency per Sum Insured layer

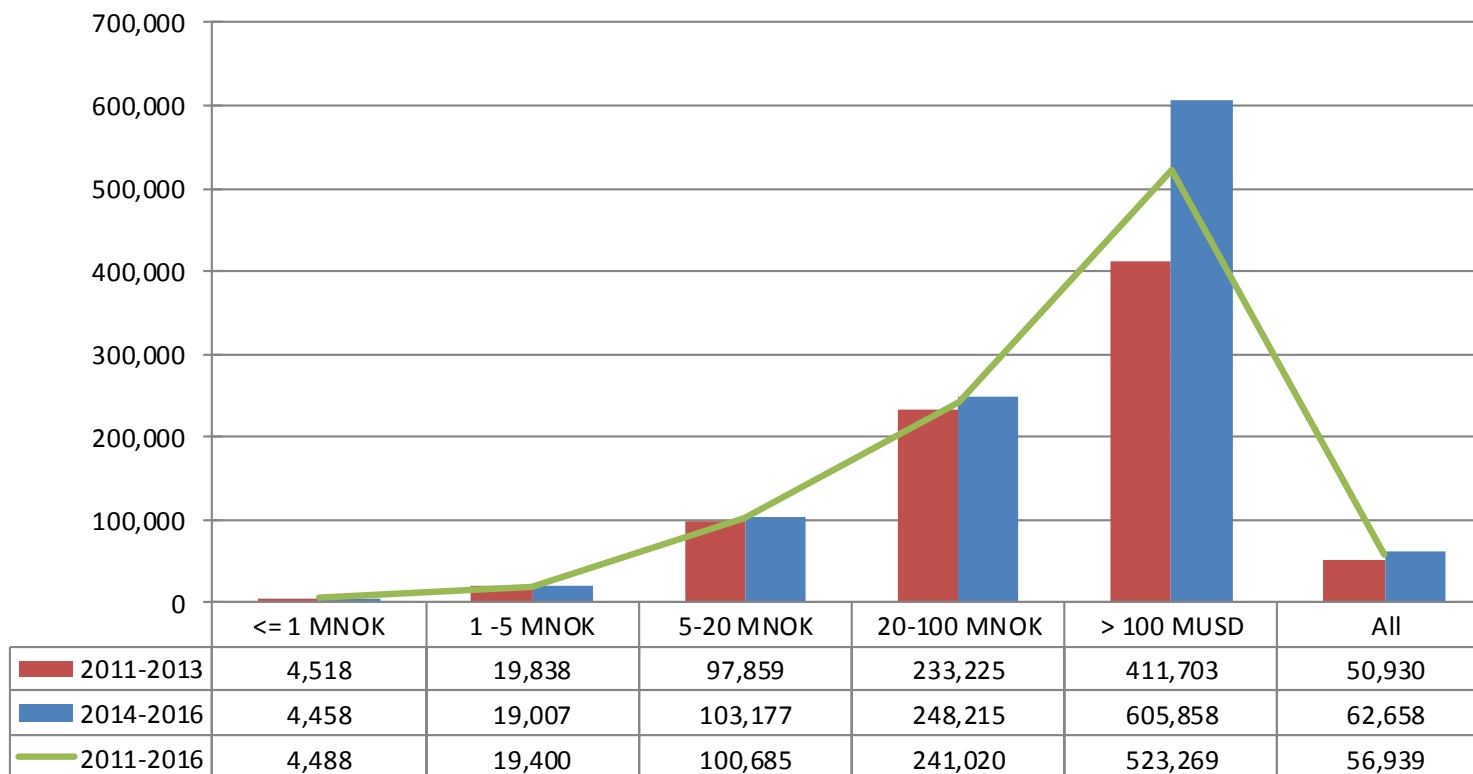


Claims < 10.000 USD account for nearly half of all claims. Registration of these may vary over time and by company and will thus influence the registered frequency. In addition any increase/decrease of insurance deductibles has impact on the registered frequency

COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

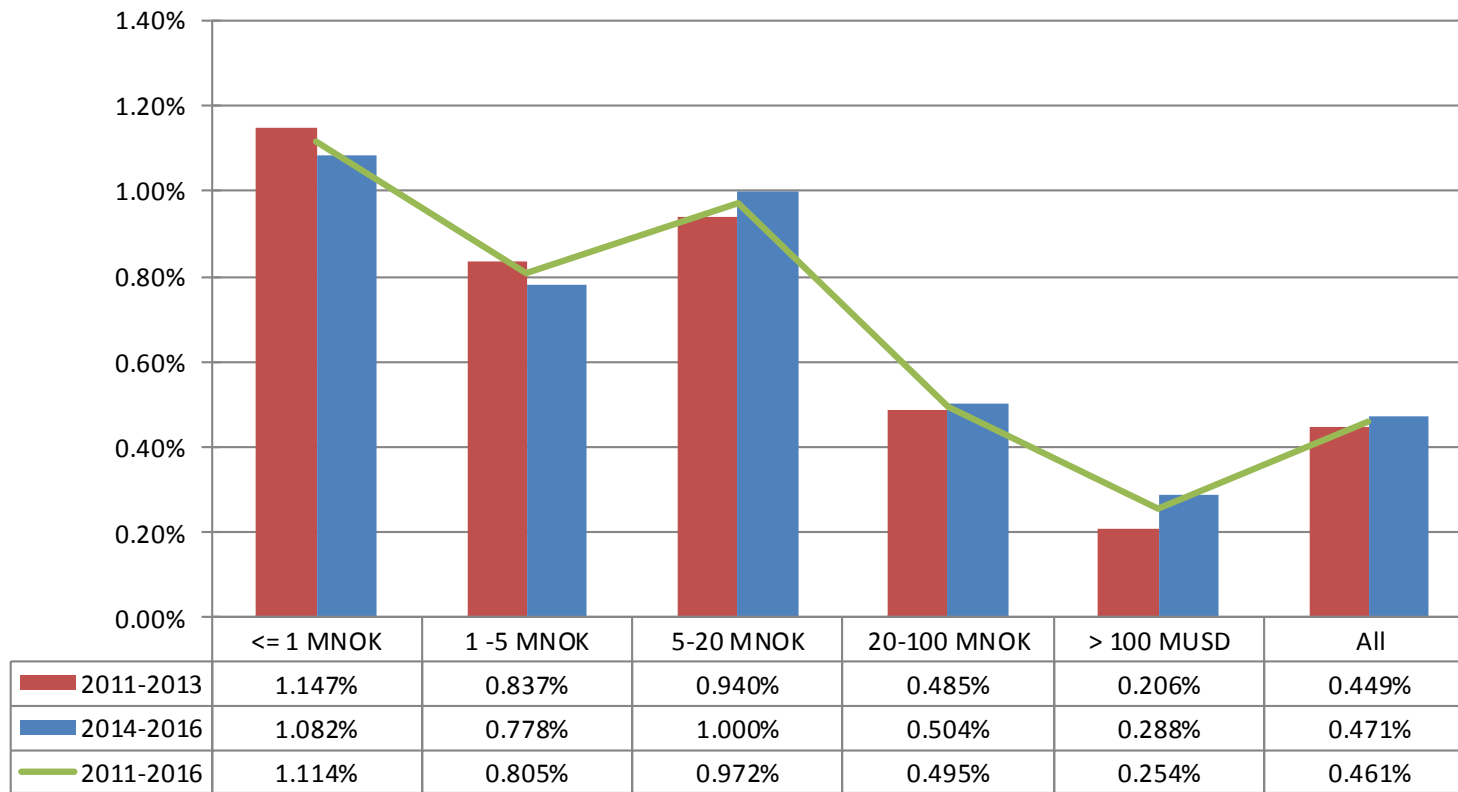
Claim per vessel per Sum Insured layer



COASTAL HULL – SUM INSURED LAYERS

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

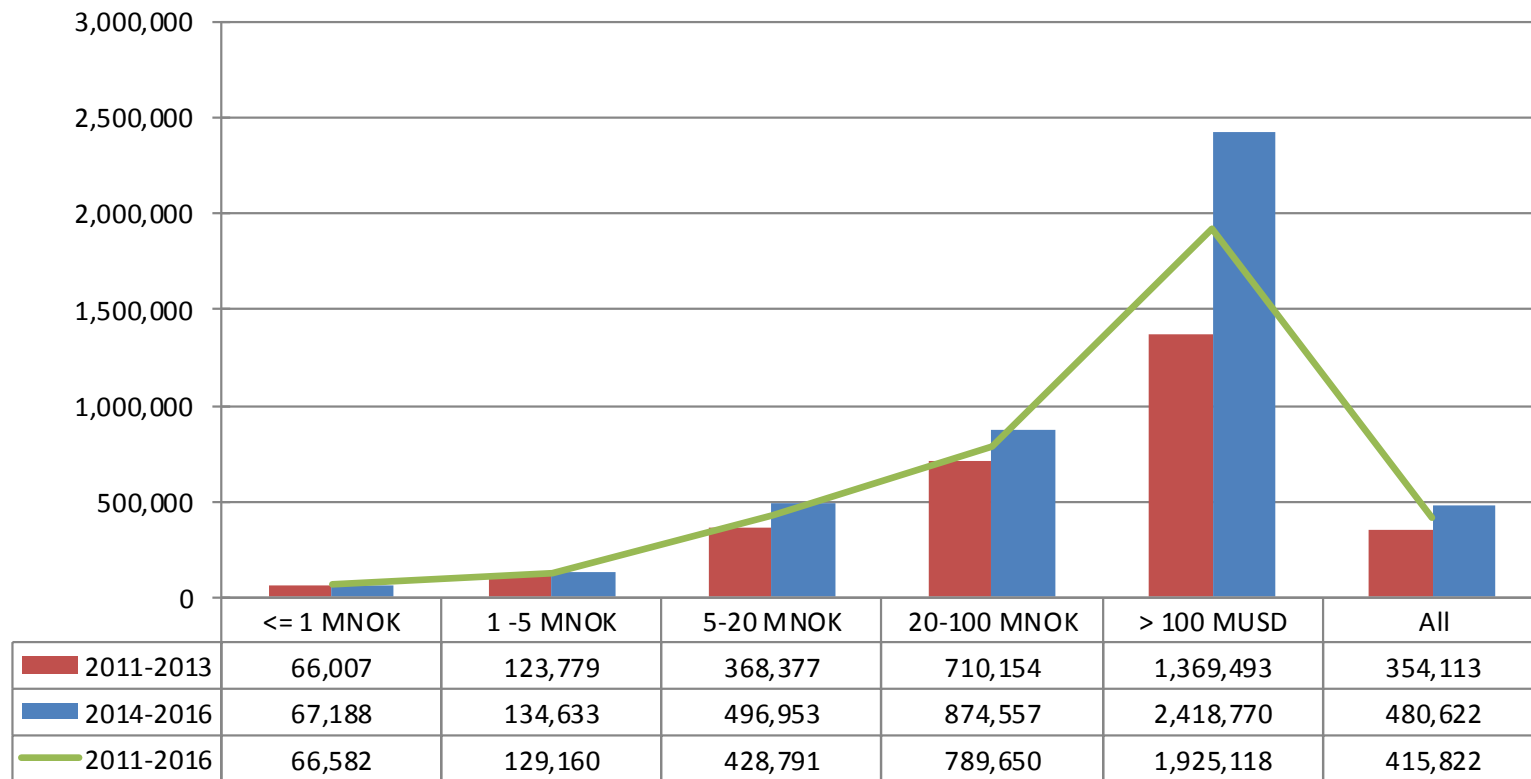
Claim per Sum Insured per Sum Insured layer



COASTAL HULL – SUM INSURED LAYERS

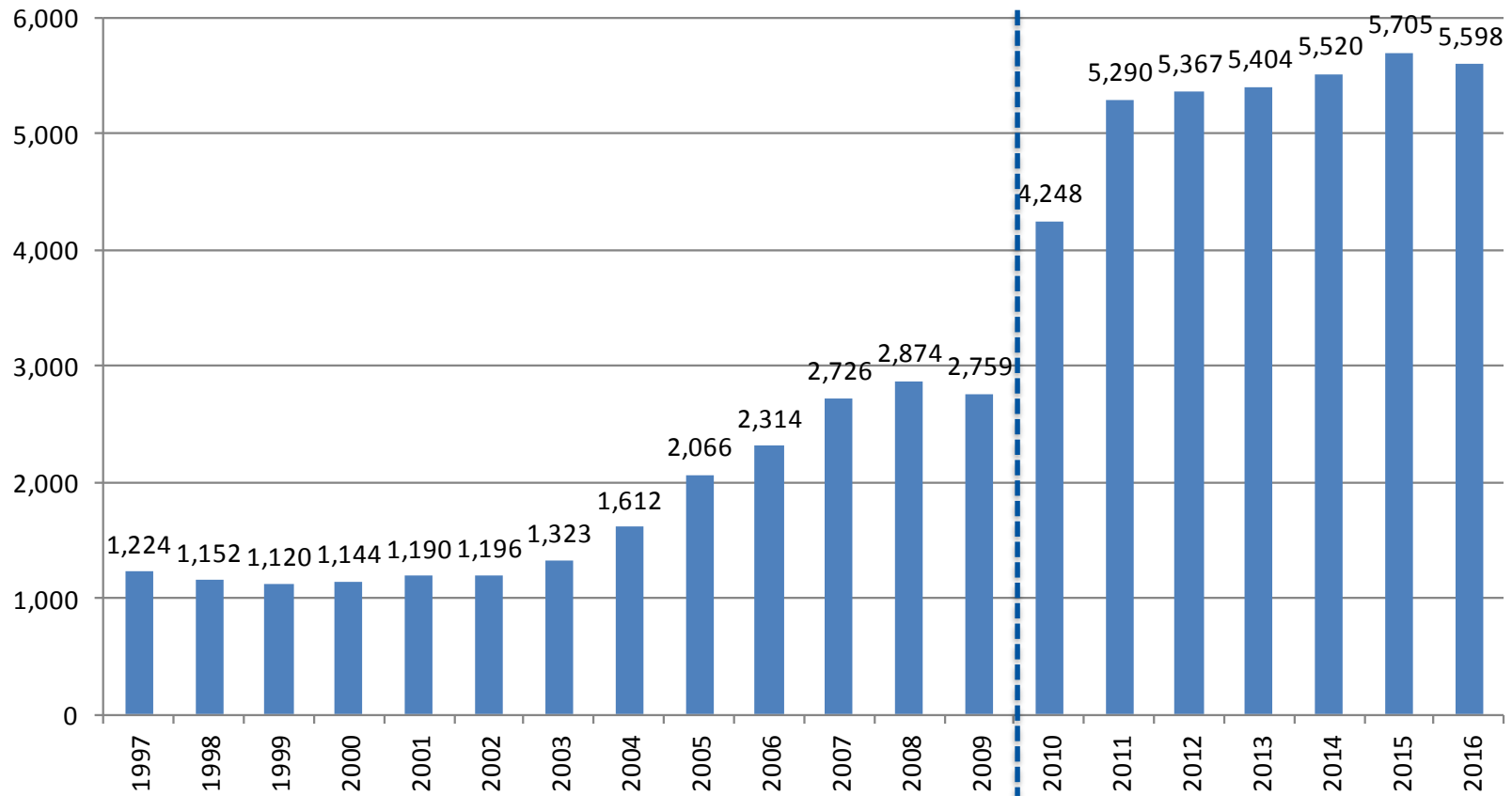
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average Claim cost per Sum Insured layer



FISHING VESSELS – NUMBERS

Number of fishing vessels, by year of exposure

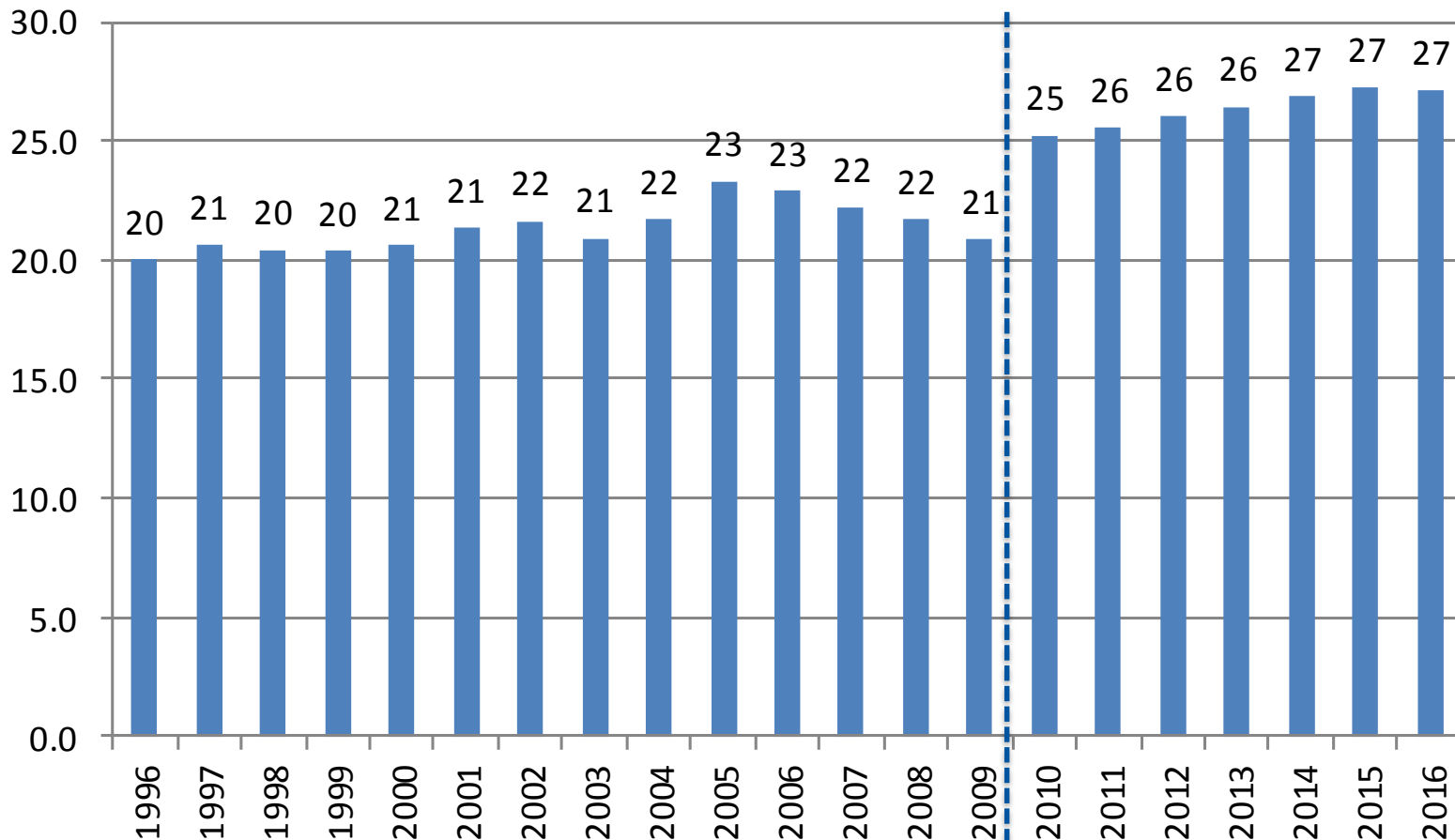


From 2010 improved reporting by coastal marine mutuals => Increase in number of coastal fishing vessels

FISHING VESSELS – AGE

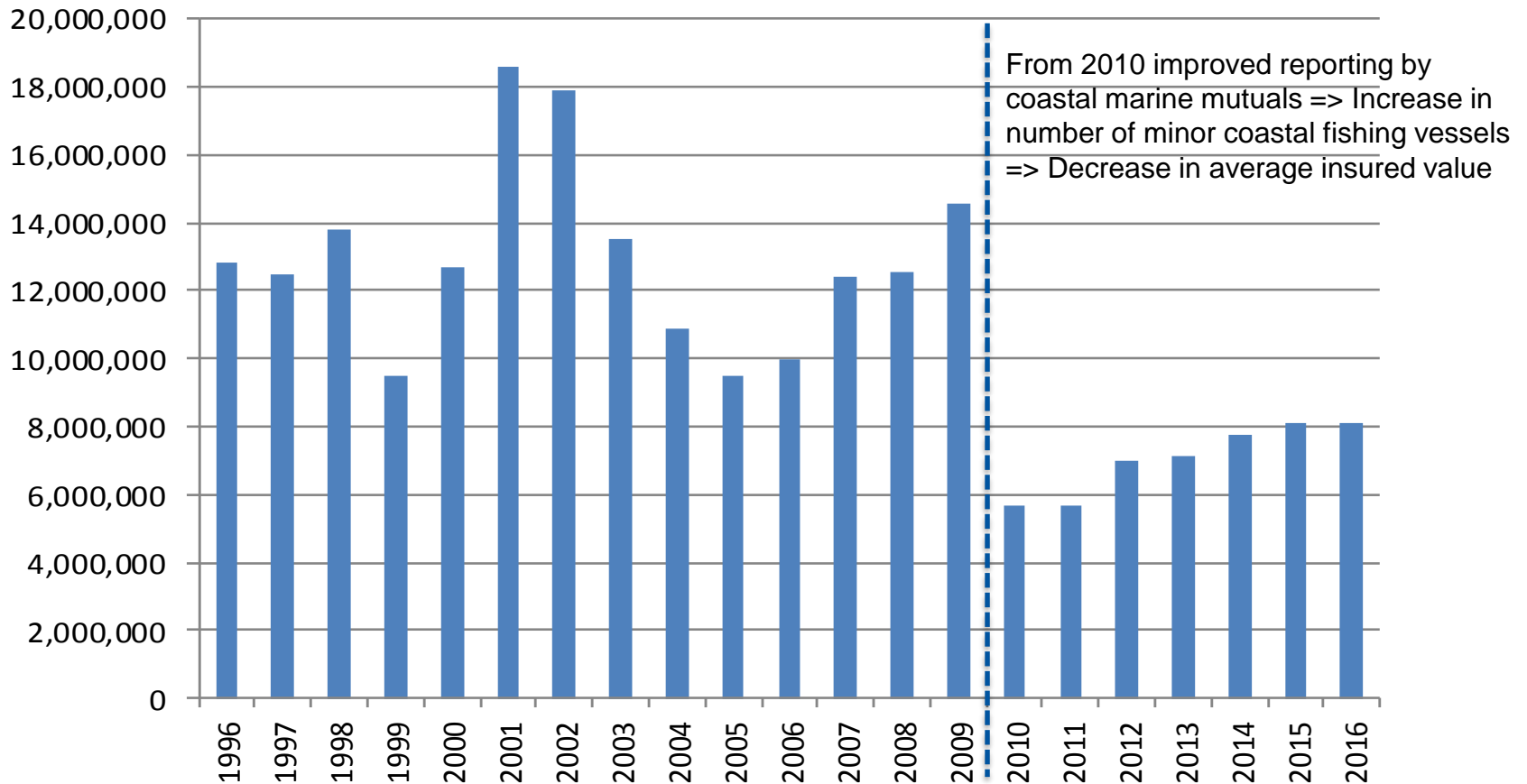
Average age - Fishing vessels

From 2010 improved reporting by coastal marine mutuals => Increase in number of minor coastal fishing vessels



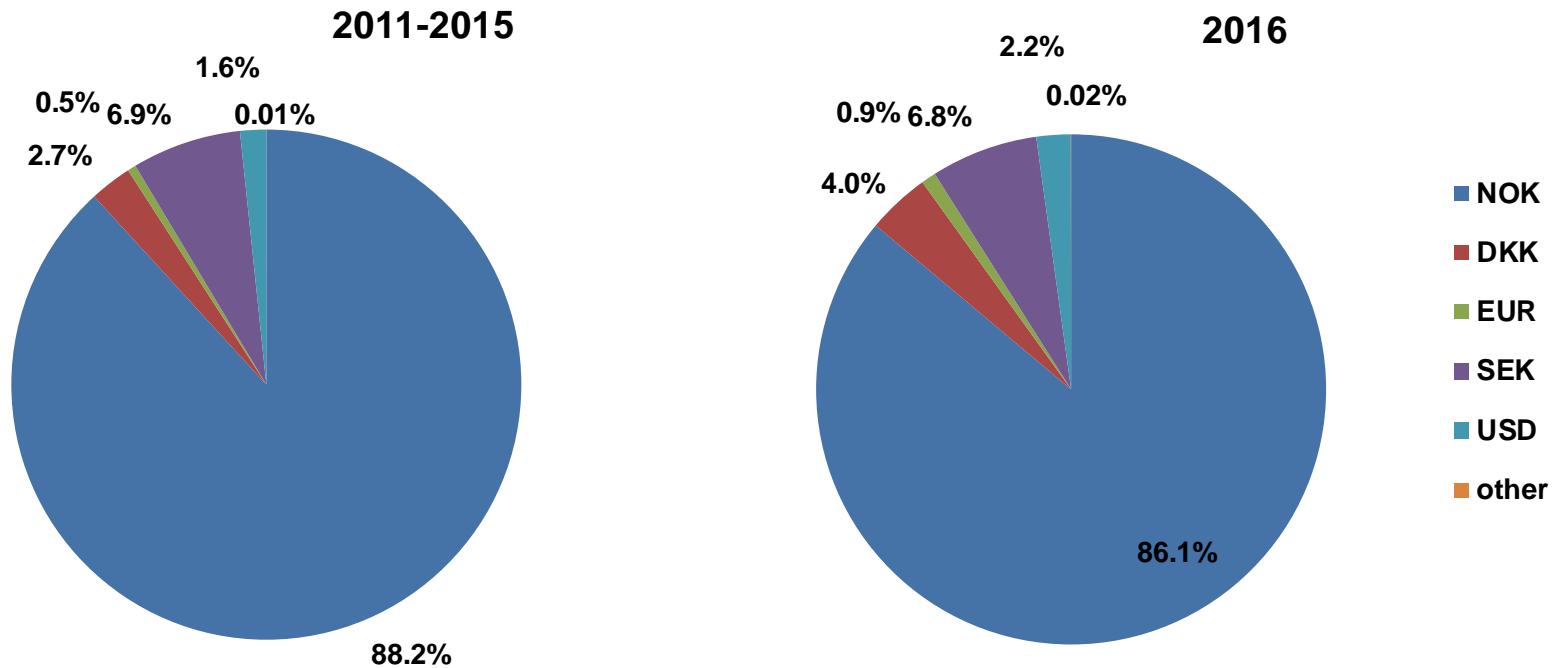
FISHING VESSELS – INSURED VALUE

Average insured value - Fishing vessels



FISHING VESSELS – BY CURRENCY

Number of vessels by currency (origin of business)
by underwriting year



Total number of fishing vessels:

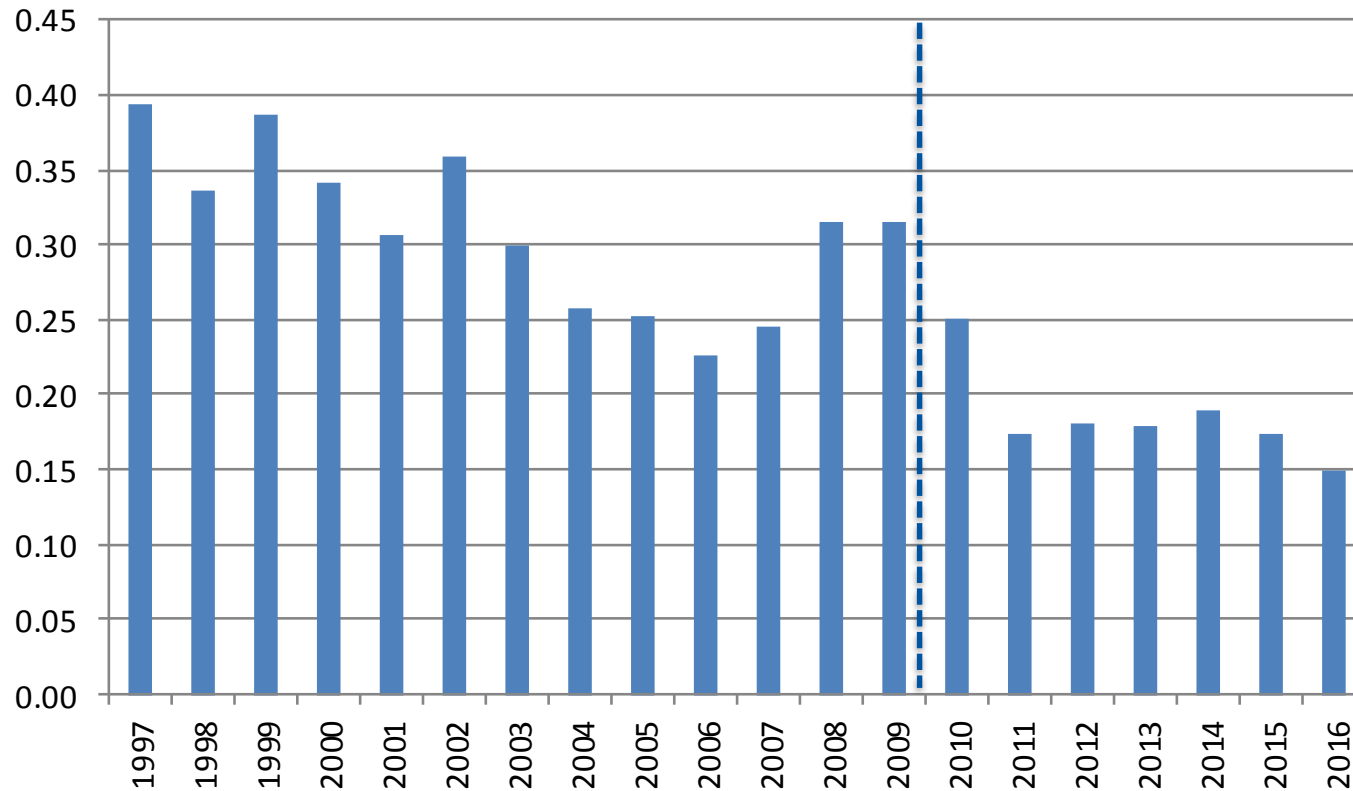
2011-2015: 27,495

2016: 5,478

FISHING VESSELS – CL. FREQUENCY

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

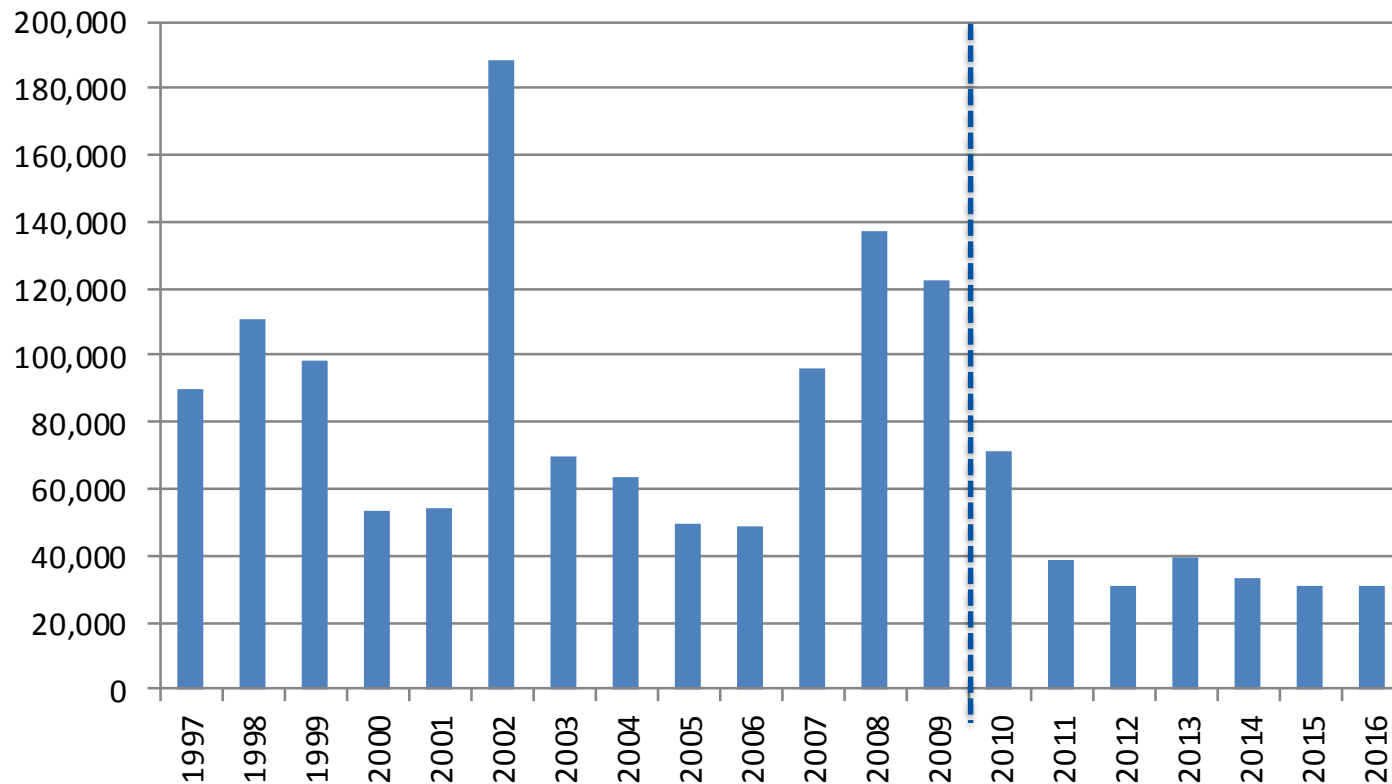
Claims frequency, by date of loss



FISHING VESSELS – CLAIM PER VESSEL

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

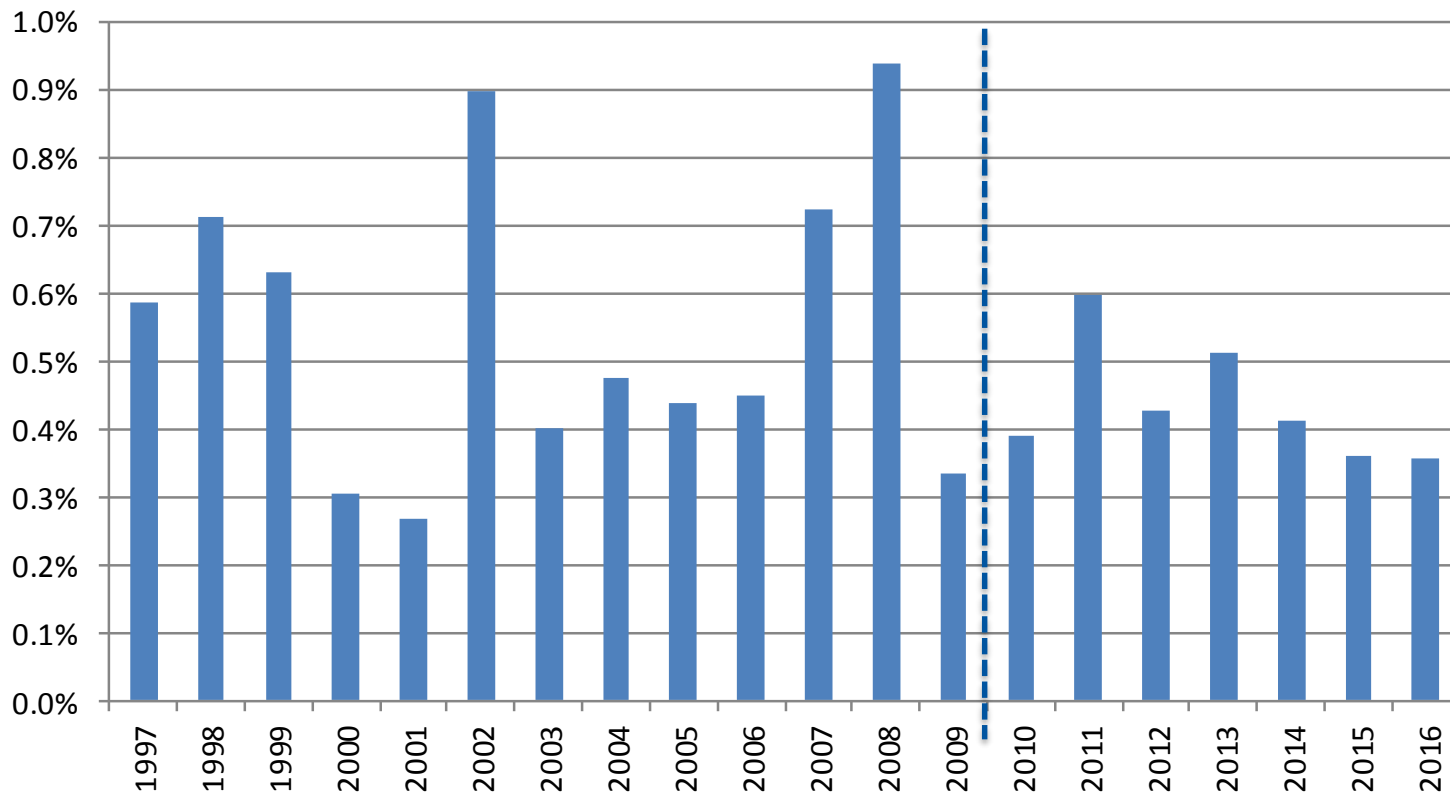
Claim per vessel, by date of loss



FISHING VESSELS – CLAIM PER VALUE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

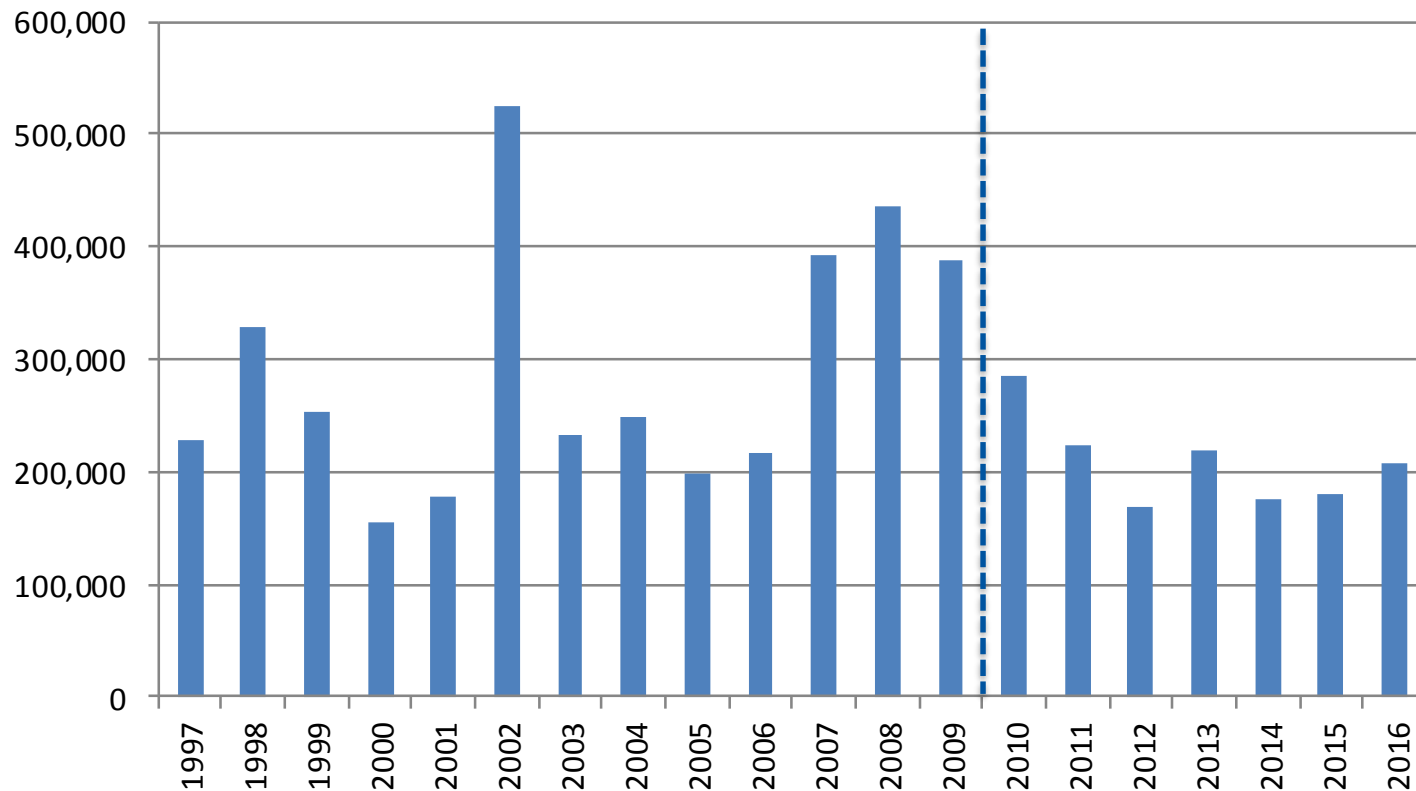
Claim per Sum Insured, by date of loss



FISHING VESSELS – AVERAGE CLAIM

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost, by date of loss



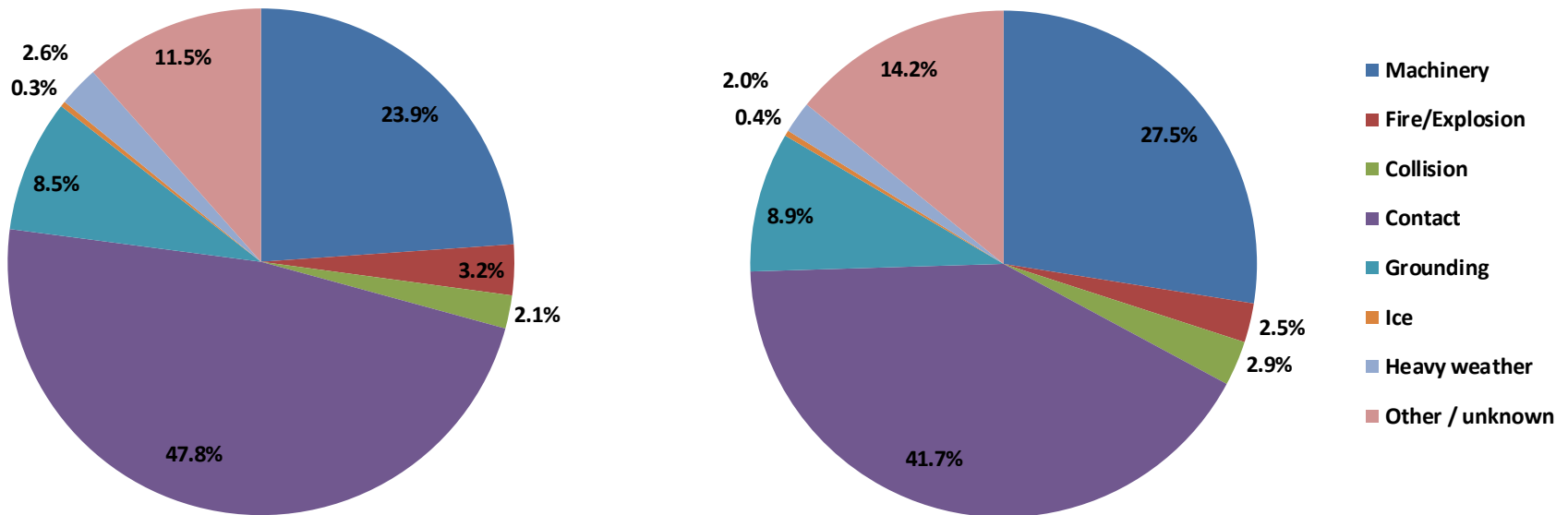
FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type – Number of claims

2011-2015

2016



Total number of claims:

2011-2015: 4,817

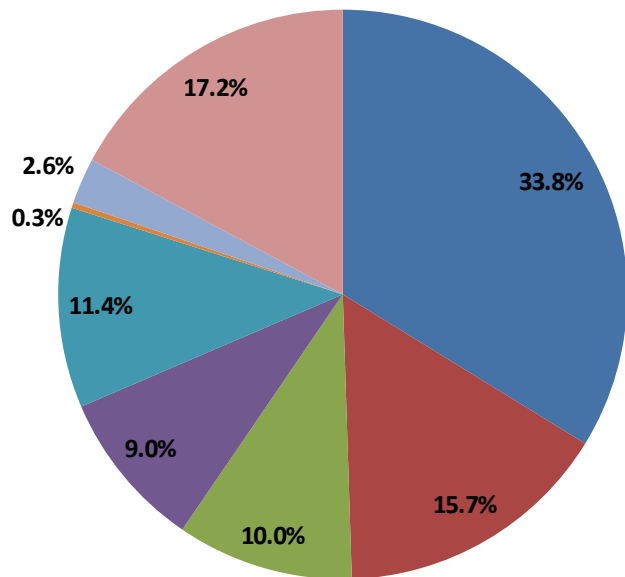
2016: 840

FISHING VESSELS – CLAIMS BY TYPE

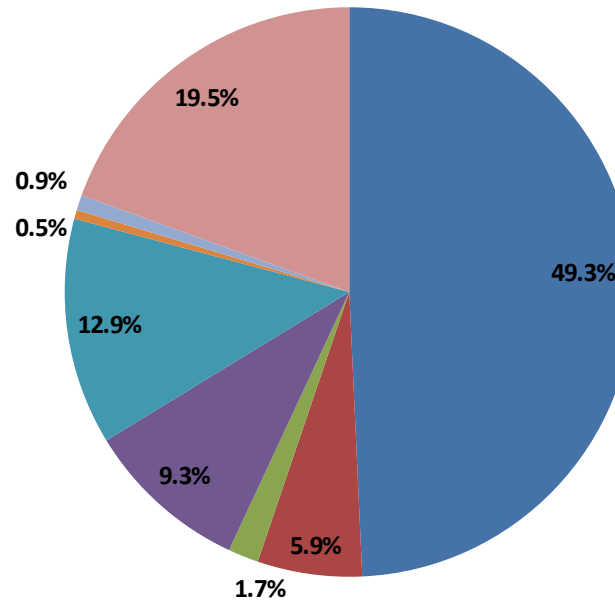
PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Claims by Claims type – Cost of claims

2011-2015



2016



- Machinery
- Fire/Explosion
- Collision
- Contact
- Grounding
- Ice
- Heavy weather
- Other / unknown

Total cost in NOK million:

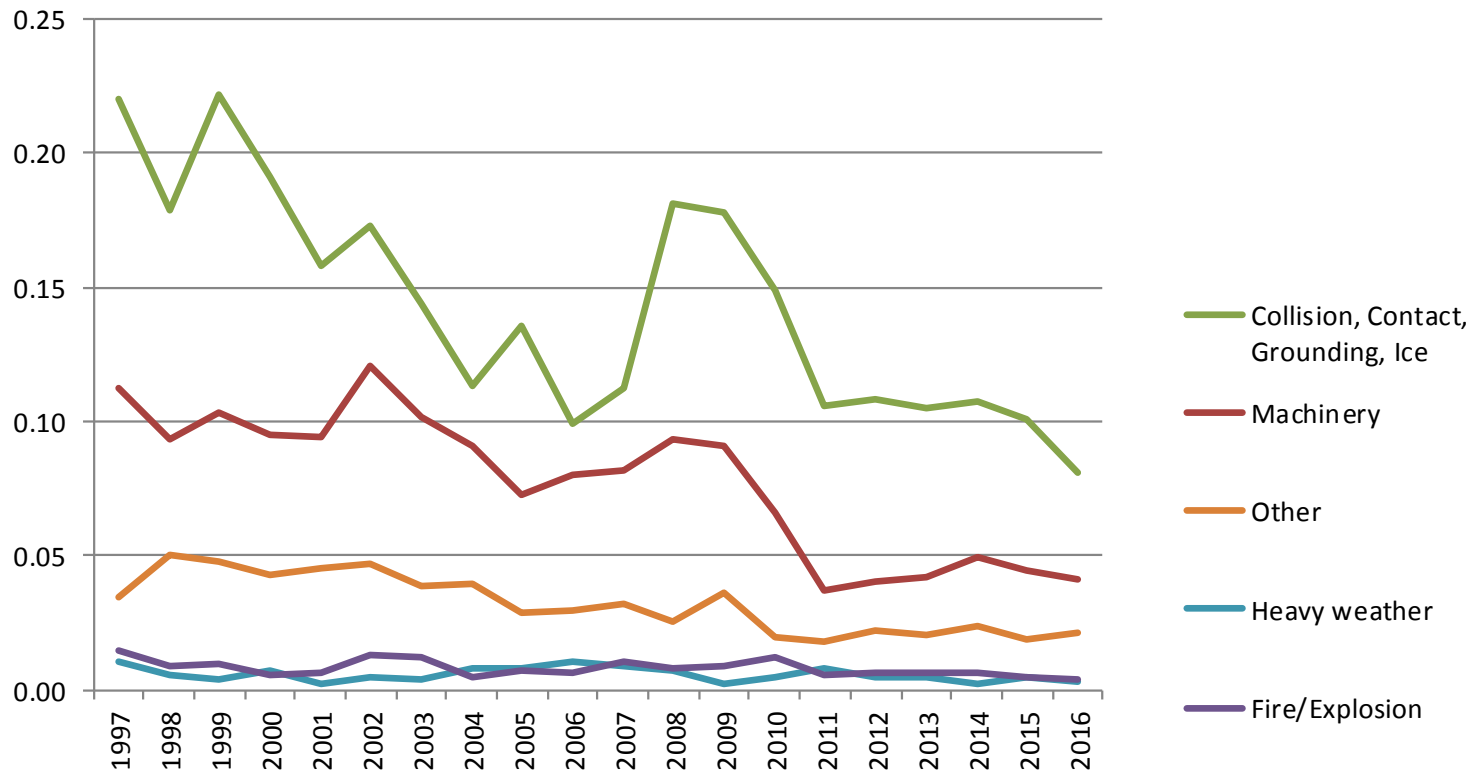
2011-2015: 913.1

2016: 174.5

FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

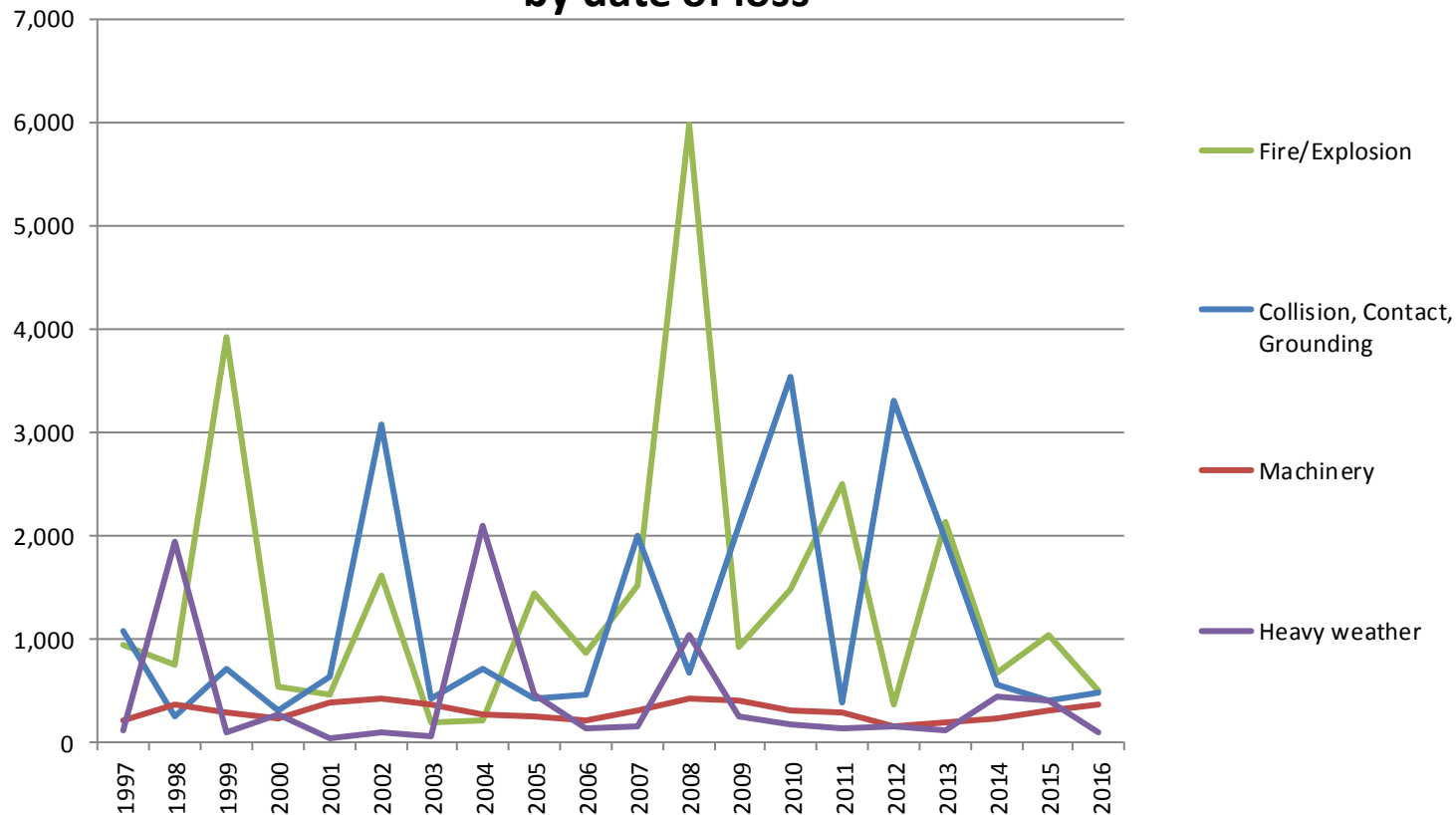
Claims frequency



FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

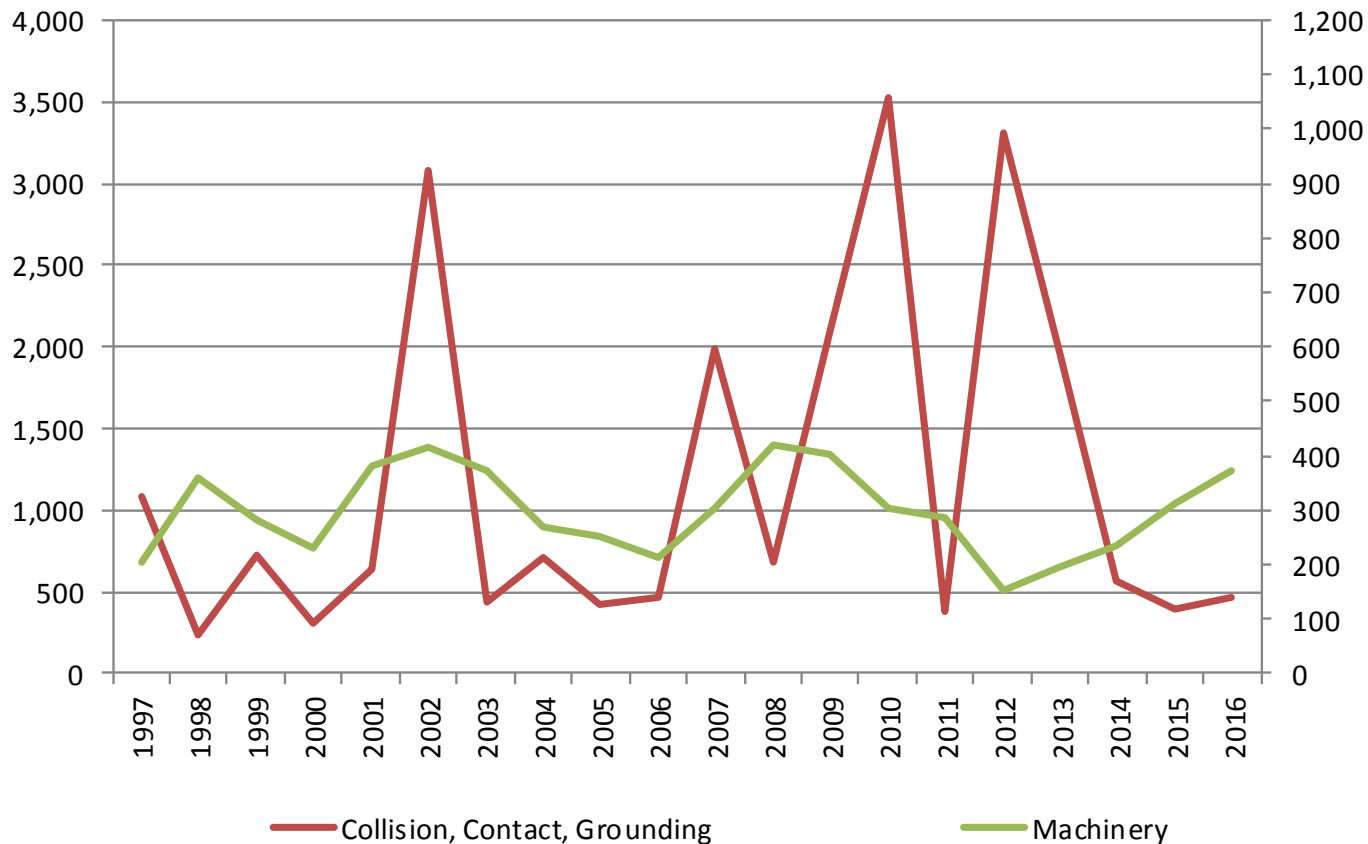
**Average claim cost per type of casualty (NOK 1,000)
by date of loss**



FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

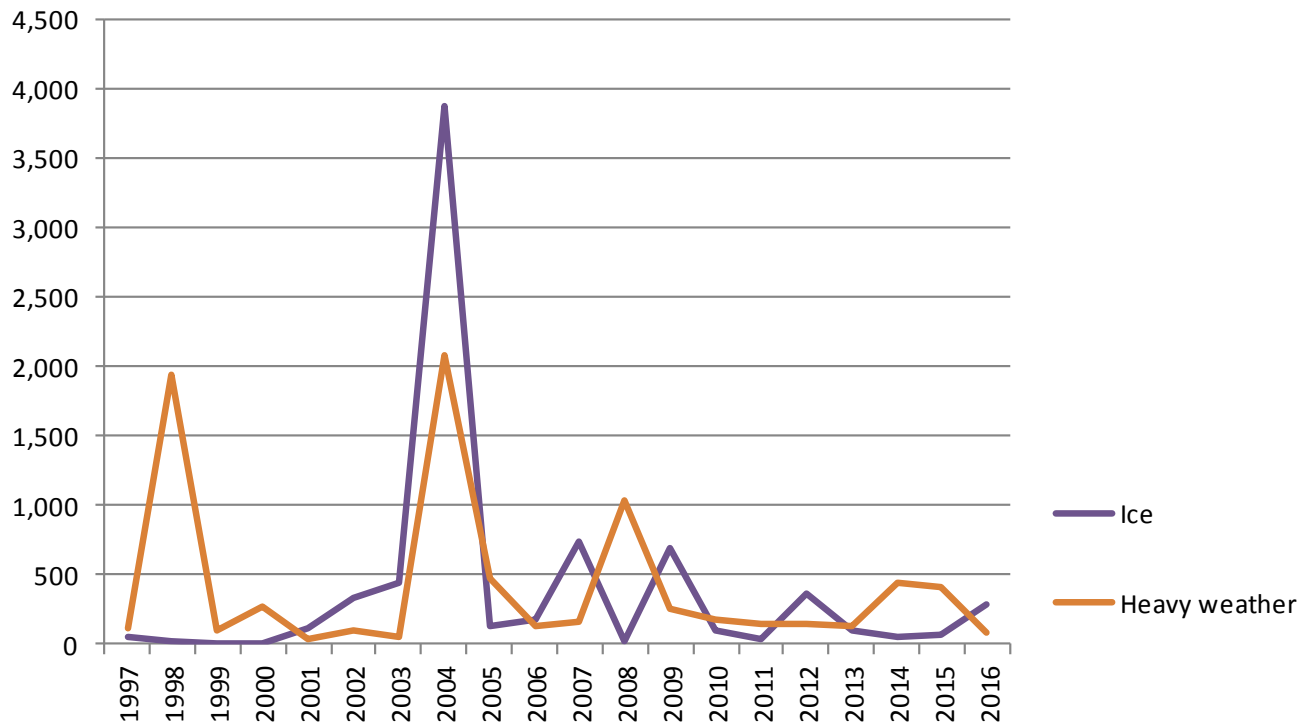
Average claim cost (NOK 1,000) Nautical-related claims and machinery claims



FISHING VESSELS – CLAIMS BY TYPE

PAID & OUTSTANDING AS REPORTED, NO IBNR RESERVE ADDED

Average claim cost (NOK 1,000) Ice and weather-related claims



NOMIS REPORTS 2016

Cefor marine insurance statistics publications at www.cefor.no/statistics
(check the 'NoMIS' section)

- Cefor Annual Report 2016
- The 2016 Cefor NoMIS OCEAN Hull Report
- The 2016 Cefor NoMIS COASTAL Hull Report
- Half-yearly Claims Update Fact Sheet

Other marine insurance statistics:

- IUMI (International Union of Marine Insurance) –
Statistics issued by IUMI's Facts & Figures Committee: <https://iumi.com/statistics>