

Introduction

In this document we present data on the global marine insurance market set in the context of world economic performance, trade and the shipping industry. We also offer commentary and opinion based on the data we have collected.

The International Union of Marine Insurance (IUMI) represents 42 national and marine market insurance and reinsurance associations. Its Fact & Figures Committee compiles and analyses data submitted by national insurance associations and cooperates with other data providers.

Our thanks go to those IUMI member associations for their continued support, and to the other data providers, in particular Clarksons Research, IHS Markit, Lloyds List Intelligence and Swiss Re Economic Research, for supporting IUMI with extensive and up to date information on the relevant trends that impact the marine industry. Special thanks are offered to the Nordic Association of Marine Insurers (Cefor) for annually compiling global marine insurance data on behalf of IUMI and supporting IUMI with up-to-date hull trend analyses from the Nordic Marine Insurance Statistics database.

Donald Harrell, IUMI Facts & Figures Committee Chair

Lars Lange, IUMI Secretary General

Highlights

3.8% rise in global trade and a 3.1% growth in seaborne trade is forecast for 2018. Around 12 billion tonnes of cargo will be moved by sea in 2018.

Global marine insurance premiums totalled USD 28.5bn in 2017. Although a 2% increase from 2016, this does not reflect any actual market development.

Static or reduced premium income related to covered risks in all sectors – coupled with an increased risk profile – is of serious concern. Accelerated trade growth, improved frame conditions and an oil price rally offers future optimism for insurers, however – but only if prudent underwriting prevails.

Global hull insurance achieved premiums of USD 6.9bn in 2017, down 2.3%. An increasing divergence of fleet growth and premium income continues to drive down performance. The rise in loss ratios shows a growing gap between declining income and expected claims costs – even with the current scarcity of large, costly losses – and this is a concern. But various factors including reduced capacity and pressured broker facilities are beginning to reverse this worrying situation.



Premium income for global marine cargo underwriting reached USD 16.1bn, a 6% increase on 2017 representing real growth in volumes. Results were strongly impacted by outlier and nat-cat losses. The increasing likelihood of large event/accumulation losses remains a growing concern.



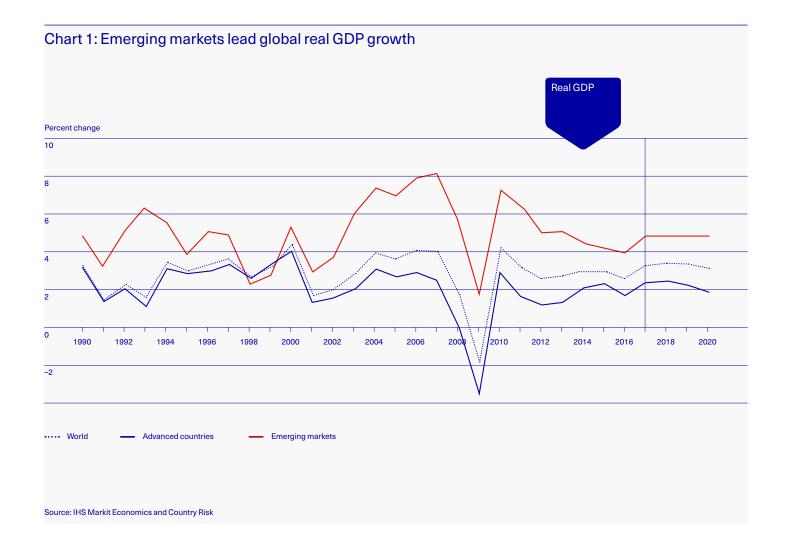
Offshore energy underwriting achieved USD 3.6bn in premiums, down 5% on 2016. Reduced offshore activity is the chief culprit but attritional losses alone are increasingly eroding the premium base – a significant concern. Reactivation of offshore facilities will increase the risk profile going forward. However, a modest uptick in optimism for this sector is expected.

In context

3.4%

growth in the global economy is forcast to pick up pace in 2018 and 2019

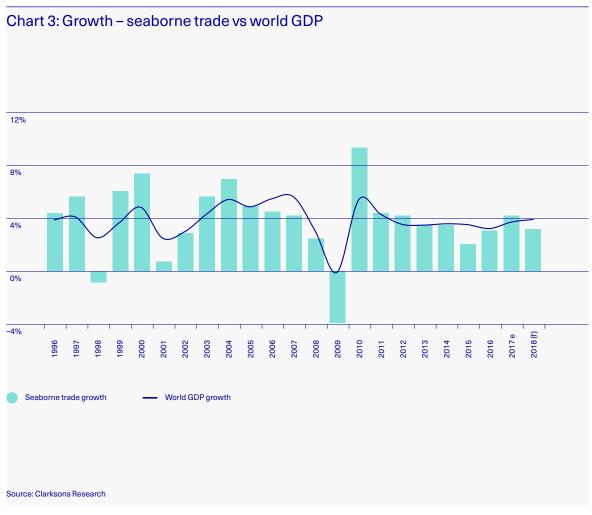
From a macro-economic perspective, growth in the global economy is forecast to pick up pace in 2018 and 2019 to reach 3.4%, signalling the strongest growth since 2010. The US economy will underpin performance thanks to internal tax cuts and increased government spending. Eurozone countries will experience a modest slow-down in economic growth but will remain above trend – although uncertainty prevails in the UK due to Brexit. After a good run, Japan's economy is slowing whilst China's is holding steady.

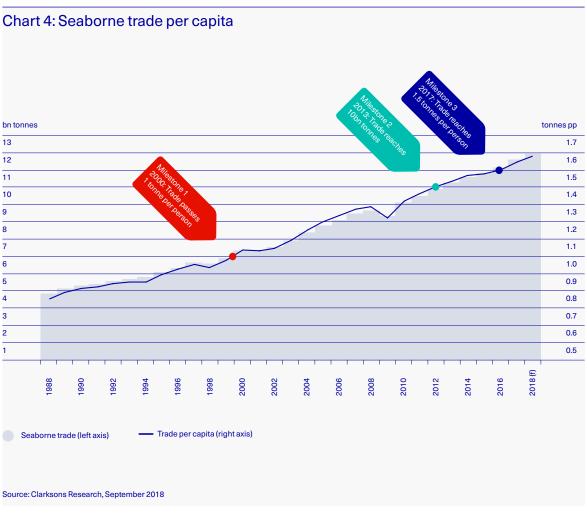




"Overall, the mood in the business community is upbeat" Chinese government ambitions to reduce excesses in industrial capacity, debt, housing and shadow banking will put the brakes on economic growth in that country. Elsewhere in Asia, robust growth will prevail, Russian and Brazilian economies will continue to recover from recent recessions and the nations in the Sub-Saharan region are also expected to deliver a significant performance (Chart 1 and 2).

Overall, the mood in the business community is upbeat despite ongoing policy and political risks. Trade will, once again, emerge as the engine for growth although commodity prices are forecast to rise only modestly, if at all, over the coming two or three years. With output gaps closing, inflation in many regions will rise.





84%

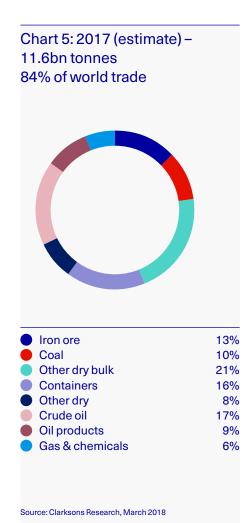
of global trade is carried by sea

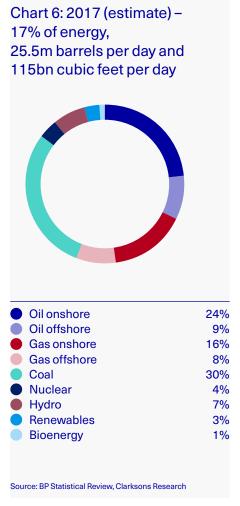
3.1%

growth in seaborne trade forecast for 2018

The US dollar – the universal indicator of global wealth – is likely to strengthen in the near-term before weakening as America's growing current account deficit begins to make itself known. The 40% growth in oil price seen over the past 12 months has re-set prices and these should remain relatively stable into 2019.

At least 84% of global trade remains seaborne and generally follows cycles in GDP, although not precisely (Chart 3). 2018 is predicted to see a 3.8% rise in global trade and a consequent 3.1% growth in seaborne trade (Chart 4). Around 12 billion tonnes of cargo is forecast to be moved by sea in 2018 (Chart 5 and 6).





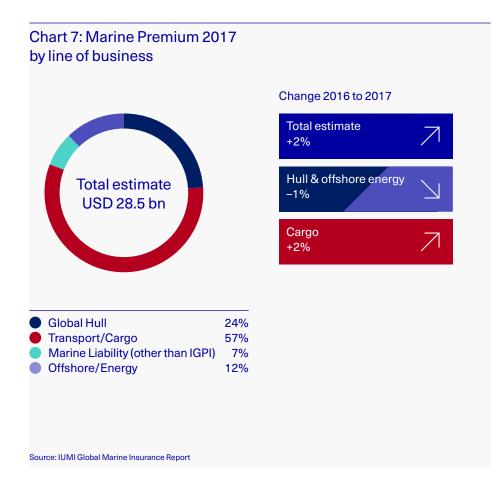
Marine insurance

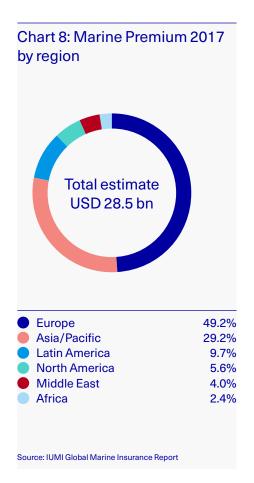
28.5 bn

US dollar marine insurance premiums in 2017

Global marine insurance premiums reached USD 28.5 billion in 2017 representing a 2% increase compared with 2016 (Chart 7 and 8). This upswing was largely attributable to growth in trade plus strengthening of European and other currencies against the US dollar.

The modest increase in absolute global premium income does not reflect any actual market development. When taking all factors into account which influence both income and cost, a contrary picture emerges and underlines the need for robust risk evaluation. Static or reduced premium income in relation to the covered risks in all sectors coupled with a growing overall risk profile remains an ongoing concern.





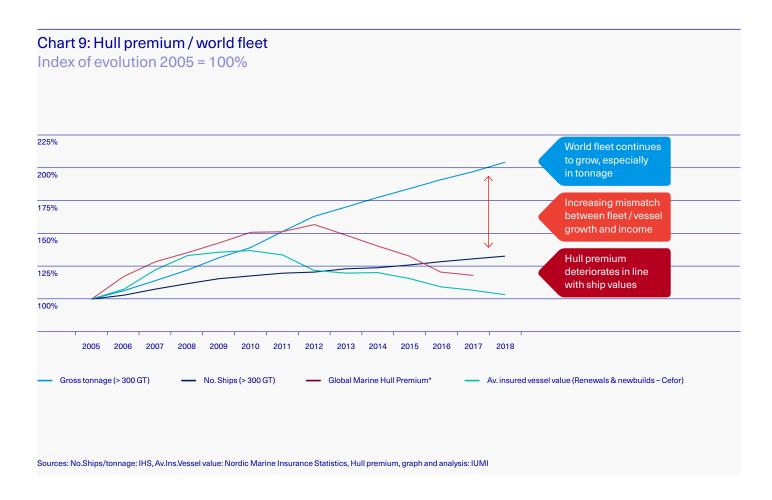


"The statistics clearly illustrate the need for sustainable underwriting"

However, accelerating trade growth and a general improvement in several frame conditions, together with the rally in oil price, create a more positive outlook for underwriters – if these opportunities are coupled with prudent underwriting.

In general, the statistics clearly illustrate the need for sustainable underwriting by understanding the simple – and sometimes not so simple – mathematics of evaluating the risks and expected costs associated with a prudent marine portfolio. In this context, one aim of the IUMI Facts and Figures Committee is to provide up to date information on relevant trends in the global economy, the marine industry, and the marine insurance market specifically, and illustrate how these influence both income and cost and their combined effect on marine insurance results.

Global marine hull insurance





US dollar underwriting income was recorded by the hull sector in 2017

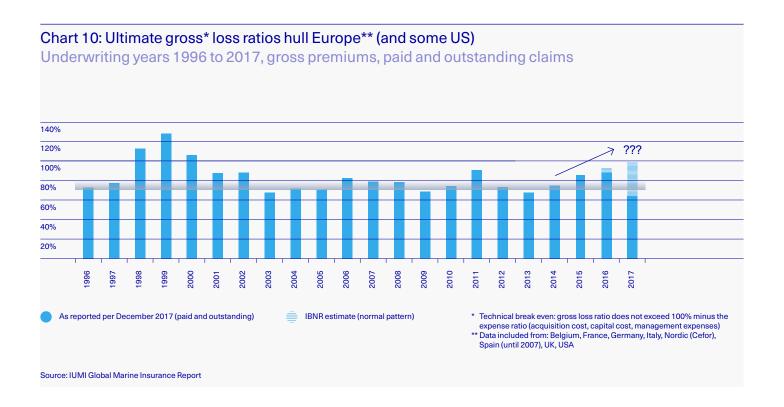
The hull sector recorded a global underwriting income of USD 6.9 billion representing a decrease of 2.3% on the 2016 result. Exchange rates exert less influence on the hull market due to the global nature of the hull portfolio. The downward trend in global hull premiums appeared more severe when compared with world fleet numbers and vessel values. Whilst the global fleet continues to grow in numbers and in average vessel sizes, the average insured values have reduced year-on-year since the financial crash of 2008. This, together with depressed freight rates, has affected premium income.

After two years with two-digit drops in vessel values in the bulk and offshore fleet, 2017 saw a slight rally in vessel values in the bulk market and 2018 is likely to see values increase for the offshore fleet. Under the current frame conditions, vessel values are set to stabilize further but, in the main, the figures show an increasing mismatch between fleet growth and premium income

"Income levels have eroded to a degree that they do not appear to cater for expected normal repair costs any more." in the years 2012–2017 (Chart 9). As a result, the international hull market's performance continued its downward trend despite a relatively benign claims impact in recent years (except hurricane damage affecting yachts).

That said, an estimated USD 100 million of capacity has been removed from the market since the end of 2017 due to very low start-up activity and the withdrawal of a number of high-profile hull insurers. Broker facilities are coming under increasing pressure due to worsening performance and heightened regulatory scrutiny. These, and other factors, appear to have triggered a brake in the decline in market conditions in 2018. Whether this will lead to a recovery of hull insurance results remains to be seen as an upswing will depend on both improved income as well as reduced claims. The current low income levels have eroded the buffers that offset major losses and today, only a handful of such claims would be enough to outweigh even moderate premium increases.

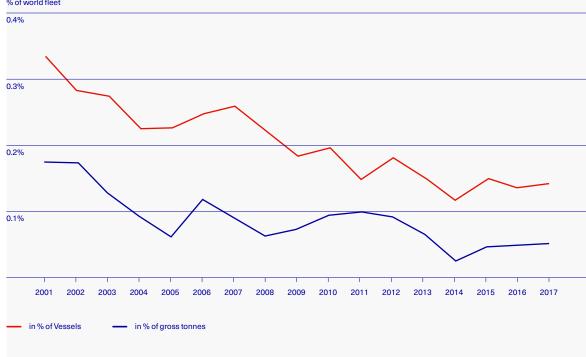
Chart 10 shows a substantial deterioration of loss ratios since 2013. Overcapacity, reducing vessel values and a general reduction in activity have negatively impacted on income. With a benign major claims environment being the norm in recent years, attritional losses now account for an increasing share of the loss ratios. This means that income levels have eroded to a degree that they do not appear to cater for expected "normal" repair costs any more.





Vessels > 500GT

% of world fleet



Sources: Fleet number: Clarksons Research, Losses: LU, total losses as reported in Lloyds List

Chart 12: Total losses, by number

Vessels > 500GT



"The positive trend for total losses is a probable effect of an improving risk environment and better safety measures."

"The rise in loss ratios clearly shows an increasing gap between a declining income and expected claims cost."

There continues to be a long-term downward trend in the frequency of hull claims in general and for total losses specifically. The positive trend for total losses is a probable effect of an improving risk environment and better safety measures. The frequency of total losses seems to have reached its possible minimum with a recent fluctuation between 0.05% – 0.1%. The reduction in vessel values increases the probability of constructive total losses as the cost of repair is more likely to exceed an accepted percentage of the reduced vessel value.

Chart 11 illustrates the long-term trend of a reduction in the total loss frequency. There was a slight spike in 2014 which has been carried forward in subsequent years, but in general total loss frequency seems to have stabilized at a historically low level of around 0.1%. The 2017 figures include the hurricane season in the USA.

Total losses for all vessel types are trending downwards except for bulkers and general cargo ships which spiked in 2017 (Chart 12).

Major losses have not significantly impacted the sector for some years, but as the annual statistics released by the Nordic Association of Marine Insurers (Cefor) in April 2018 illustrate, the most costly 1% of all claims account for a minimum of 30% of the total claims cost in any given year. Moreover, the risk of a single major loss incurring unprecedented cost remains significant in light of larger and more sophisticated vessels entering the market and new, more risky trading areas such as polar waters being exploited.

In short, despite a recently benign claims environment – except hurricane damage on yachts – the rise in loss ratios clearly shows an increasing gap between a declining income and expected claims cost, even without the impact of costly major losses. This is a significant cause for concern.

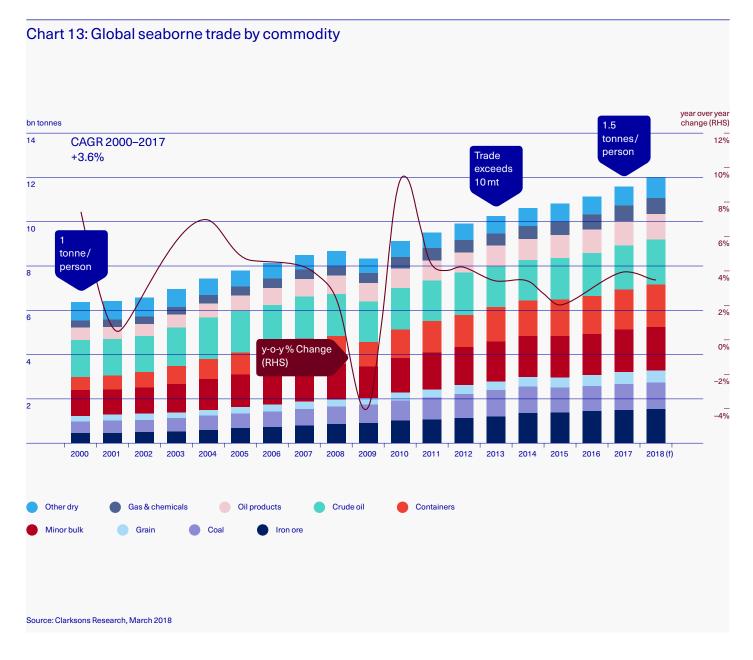
Marine cargo

16.1 bn

US dollar premium income for marine cargo insurance in 2017

Premium income for marine cargo insurance was estimated at USD 16.1 billion for 2017, representing a 6% increase on the 2016 result. Cargo was the only line with an actual increase in volume and, consequently, its relative share of the overall global premium. However, it must be noted that this increase in absolute numbers was the result of an upswing in trade in combination with exchange rate fluctuations (which affect cargo premiums more strongly than other sectors).



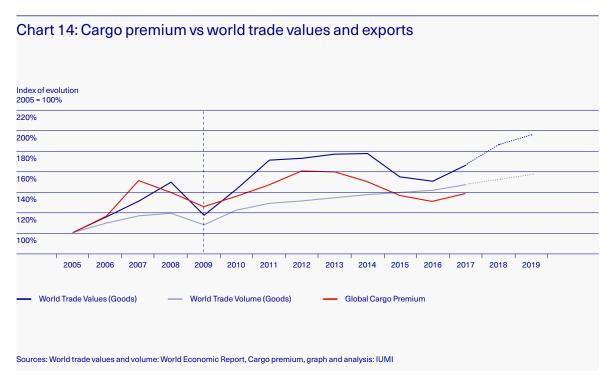


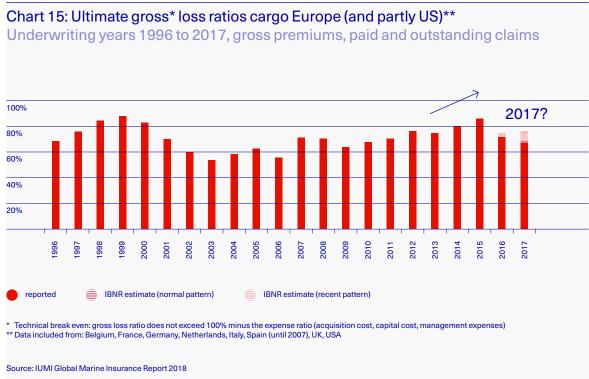
Global seaborne trade is continuing to grow throughout 2018, this trend has been evident since the global drop in trade value in 2009.

Energy commodities and the metals industry contribute the largest share to seaborne trade which reached 11.25 billion tonnes in 2017 and is forecast to achieve 12 billion this year (Chart 13).

12 bn

tonnes of seaborne trade is forecast for 2018





"Recently, cargo results have been strongly impacted by outlier and nat-cat event losses"

Recently, cargo results have been strongly impacted by outlier and nat-cat event losses including Tianjin port explosion (2015), Hanjin failure (2016), Amos 6 satellite (2016), hurricanes/nat-cats (2017), Maersk Honam (2018). Many of these events affect more than a single underwriting year (Chart 14 and 15).

2014–2016 showed an extraordinary increase in loss ratios, primarily caused by the impact of outlier and nat-cat losses. Seen in the context of increasing accumulation exposure and climate change, this might indicate a "new normal".

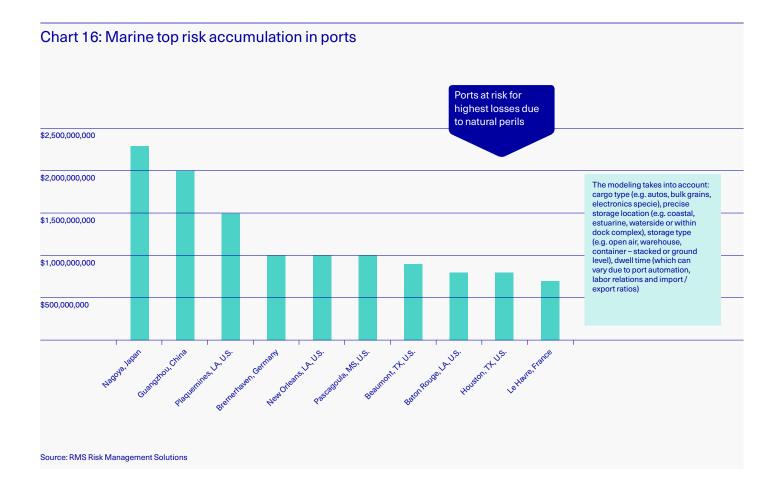


final gross loss ratio likely to be reported in 2017

2017 continued this recent trend and is expected to be affected more than average due to a number of nat-cat events including hurricanes, the Mexican earthquake, flooding in Bangladesh and the Californian wildfires. Underwriting year results always deteriorate due to the lag in registering and paying claims. When all claims attaching to the 2017 underwriting year are known, a final gross loss ratio of around 80% is likely to be reported.

Of special concern is the increasing risk of a large event loss (either nat-cat or man-made) in the cargo sector due to increasing value accumulations on single sites or vessels, in combination with stronger nat-cat impact. This demonstrates clearly the need for the sector to improve its control of such risk accumulations and develop risk adequate premiums taking all aspects into account.

Whilst there are geographical differences, the global cargo insurance market remains highly competitive with an abundance of capacity. Following the 2017 nat-cat incidents there has been a firming of market conditions for cargo accounts impacted by these events and on loss affected business (Chart 16).



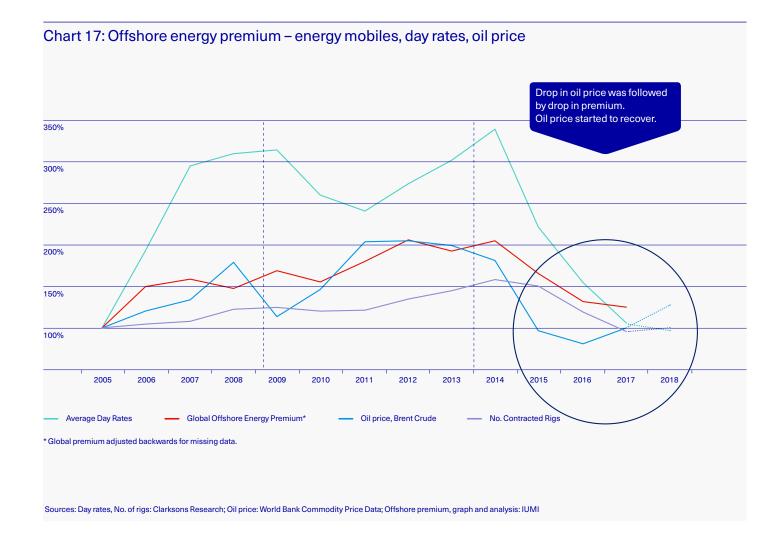
Offshore energy

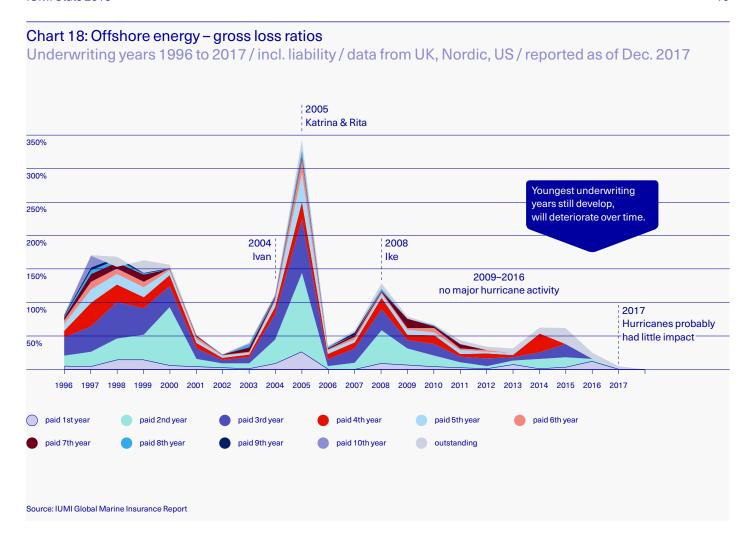
3.5 bn

US dollar global premiums for the offshore energy sector in 2017

Global premiums for the offshore energy sector reached USD 3.5 billion in 2017 representing a 5% reduction on 2016. It should be noted that the reduction from 2015 to 2016 reached a massive 21%. The majority of business in this sector is transacted in US dollars and so exchange rate fluctuations had very little impact.

Losses in this sector, particularly from hurricanes, have been modest in recent years with 2017 recording just two upstream losses valued at more than USD 1 million caused by hurricanes. In general, 2017 recorded three losses exceeding USD 100 million, compared with three such losses in 2016 and ten in 2015. The reduction in large losses in the last two years is probably a result of the reduced offshore activity.





"Attritional losses alone have increasingly eroded the reduced premium base"

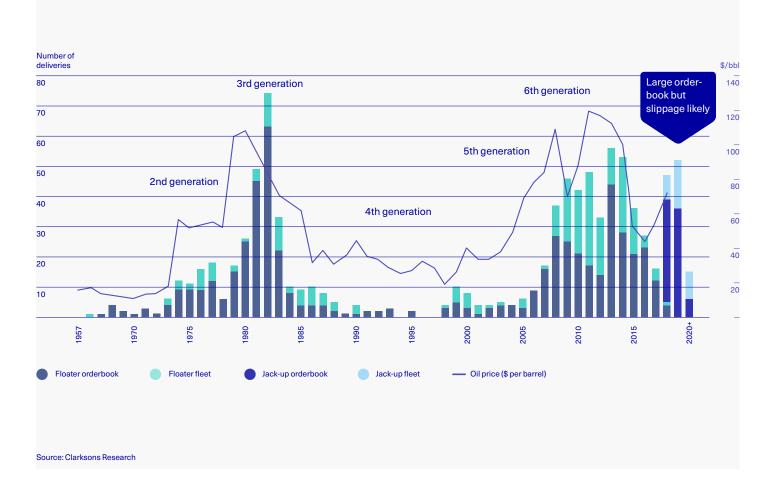
"Special focus is currently placed on the risks and claims potential connected with the reactivation of complex offshore structures"

However, with the significant drop in offshore energy premiums from 2014 (21% in 2016 alone) attritional losses alone have increasingly eroded the reduced premium base, which is a serious concern. Following positive development from 2009 to 2013 (chart 18), loss ratios began to rise again from 2014 onwards. These underwriting years are expected to deteriorate further, taking into account the time lag until offshore claims are fully known and reported. In the future, the frequency of claims is expected to rise in line with increased fleet utilisation and offshore activity in the high risk sectors of exploration and offshore construction. While the upswing in the oil price is expected to positively influence the offshore insurance market within the next 18 months, special focus is currently placed on the risks and claims potential connected with the reactivation of complex offshore structures.

Chart 19: Rig utilisation - a longer term view







"Offshore energy underwriters to view the immediate future with slightly more optimism"

The strong decrease in income from 2014 driven by the falling oil price started to flatten out from 2017 as oil prices began to rally. Oil prices have steadily risen by 40% since 2017 and this is starting to drive activity in the oil and gas sector. Capital expenditure in the sector is forecast to grow by around 6% each year with the majority being in North America, Africa and Latin America.

Both production and consumption of oil is expected to continue to rise for the foreseeable future. Here we need to apply some caution as the margins between supply and demand are thin but these small margins can create volatility in the market. OPEC and Russia's ongoing discussions could impact the price of a barrel of oil significantly as could geopolitical considerations in countries such as Venezuela and Iran. That said, there are enough positive factors for offshore energy underwriters to view the immediate future with slightly more optimism that they have been able to do for the past two or three years.

Demand and utilisation/supply are all increasing since their lowest levels in December 2016. Forecasts for 2019 and 2020 show a similar, positive trend (Chart 19). A large order-book exists for 2018 and 2019, particularly for jack-up rigs. There is likely to be some slippage, however (Chart 19).



Notes

More information

The graphs in this report are extracted from the following IUMI publications:

- 2018 Report on World Merchant Fleet and World Trade
- 2018 Global Marine Insurance Report
- 2018 Cargo, Ocean Hull and Offshore Energy Factsheets

These and additional information such as marine premiums by country, loss ratio triangulations for cargo, hull and offshore energy, and hull and cargo inflation indices are available from the statistics section of IUMI's website www.iumi.com/statistics

Data sources

Information sources are clearly stated at the foot of each chart. IUMI thanks its partners who have kindly supplied charts or data for this document.

IUMI data

IUMI's total world-wide premium includes data from all relevant marine insurance markets including Asia, Latin America and Africa. Care should be taken when making comparisons with earlier published figures as data coverage varies in different years and a number of figures will be updated retrospectively. Similarly, "global" loss ratios for hull, energy and cargo do not encompass all regions, and underwriting year results do develop over a couple of years due to a time lag in claims reporting and payments. Since 2017, IUMI has been able to show accounting year loss ratios originating from major Asian and Latin American markets (not included here, see IUMI's Global Marine Insurance Report), in addition to the underwriting year loss ratios reported from primarily major European marine insurance markets. When interpreting statistics, caution should always be applied regarding what the data actually relates to.

All figures released by IUMI are global market sums or averages. While these reflect the average performance of the marine insurance market, individual companies' or countries' results may differ substantially. As with all averages, individual underwriting units may over or underperform compared with the average. IUMI does not make any statements about what actual applied premium rates were or should be. The aim of IUMI is solely to provide data as available and raise awareness for the importance of a critical evaluation of the risks covered.

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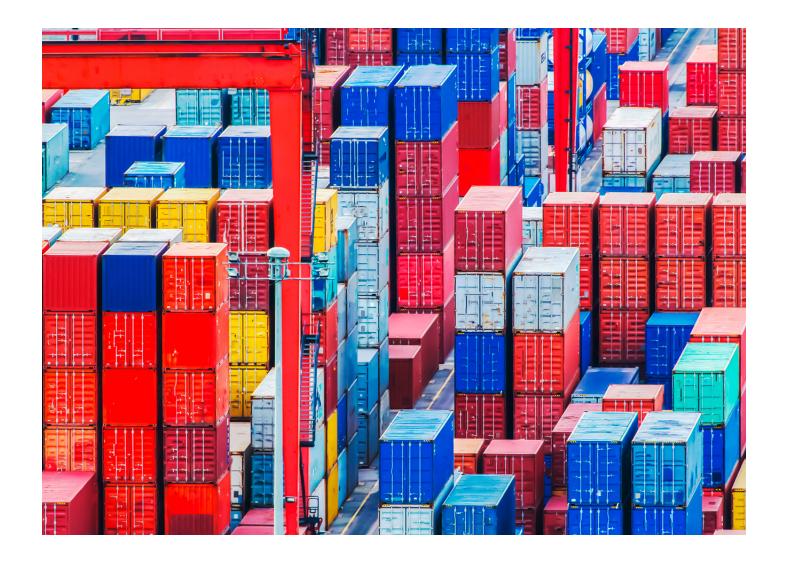
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About IUMI

The International Union of Marine Insurance (IUMI) represents 42 national and marine market insurance and reinsurance associations. Operating at the forefront of marine risk, it gives a unified voice to the global marine insurance market through effective representation and lobbying activities. As a forum for the exchange of ideas and best practice, IUMI works to raise standards across the industry and provides opportunities for education and the collection and publication of industry statistics. IUMI is headquartered in Hamburg and traces its roots back to 1874.



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