

State of the Market – Coping with Disruptive Forces in Marine Insurance

Shanghai Institute of Marine Insurers Shanghai, 27 November 2017

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Dieter Berg

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The influential and trusted voice of global marine insurance

AGENDA

State of the Market — Coping with Disruptive Forces in Marine Insurance



1. IUMI 2017

Top priorities

2. State of the global marine market

IUMI figures

3. Disruptive forces in marine insurance

- President's view

IUMI – STRATEGIC TARGETS

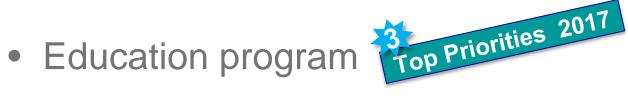




Intensify IUMI's presence globally

Communication strategy





IUMI – GROW THE GLOBAL FOOTPRINT

Focus on Asia!



Last 18 months' activities

- Asia Roadshow 2016:
 Thailand, Malaysia, Singapore, Indonesia
- ExCo market meeting Dubai
- Hong Kong market meetings and conference
- HK Port and Maritime Board Hamburg
- ExCo market meeting and conference Mumbai
- IUMI Conference Tokyo 2017
- Hong Kong Maritime Week
- IUMI Local Asian Conference 2018 Singapore



IUMI officers

- 27 Asian Committee members, 2 ExCo members
- Special envoy to Asia: Mike Davies (XL Catlin Singapore)
- Special mandate of ExCo: Agnes Choi (AXA Hong Kong)

IUMI – GROW THE GLOBAL FOOTPRINT

Focus on Asia!



November 2016

IUMI is proud and honoured to announce its first overseas hub in Asia – based in Hong Kong in cooperation with the HKFI!





- HKFI (Hong Kong Federation of Insurers) reputable representative body
- HKFI in close partnership with IUMI
- Staunch support from Hong Kong Government

COMMUNICATION STRATEGY





Communication to the market

- IUMI is the voice of the marine insurance industry
- Media work / press / public relations
- Raise the public awareness of excellent work of the Technical Committees

Visibility - advocate the interests of the global marine (insurance) industry

- Continuous presence in relevant forums
- Addressable and responsive

IUMI EDUCATION

Developing an education program for the global marine insurance industry









Achievements

- Member associations' education programs
- Webinars
 - started 6/2016: 21 webinars / 2,481 participants from 56 countries
- IUMI website new database
 - statistics / former conferences' presentations
 - search function by keyword
- Executive certificate in Marine Insurance
 - developed by Hong Kong Marine Insurance Association training and Hong Kong University endorsed by IUMI
- E-learning, tutorials (cargo & hull courses in Q1 2018)
- In-class training (2018/19)

STATE OF THE MARKET

IUMI figures of the global marine insurance markets



Facts & Figures: Country data collection 2016 premiums



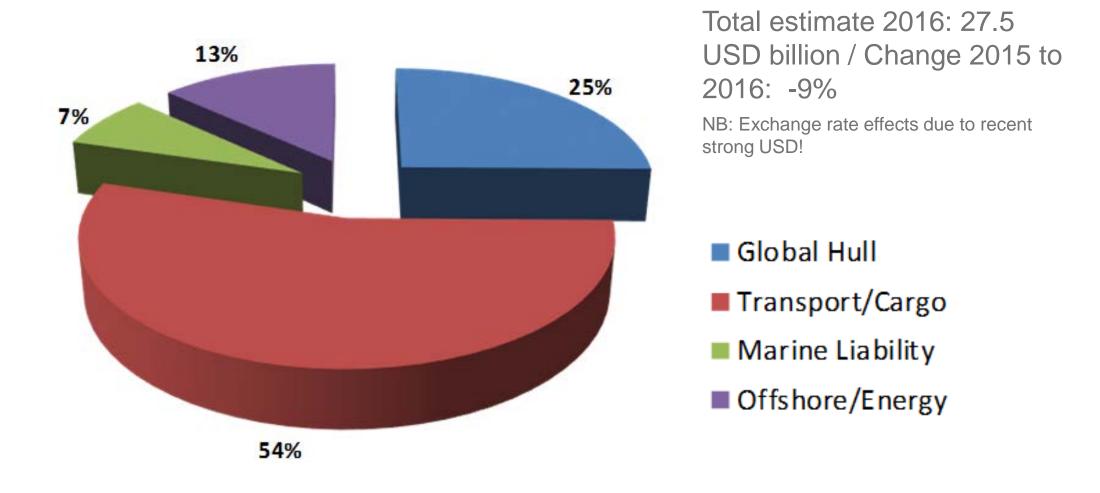
Premium volume of all countries covered in 2016

USD 27.5bn

GLOBAL PREMIUM 2016

By line of business



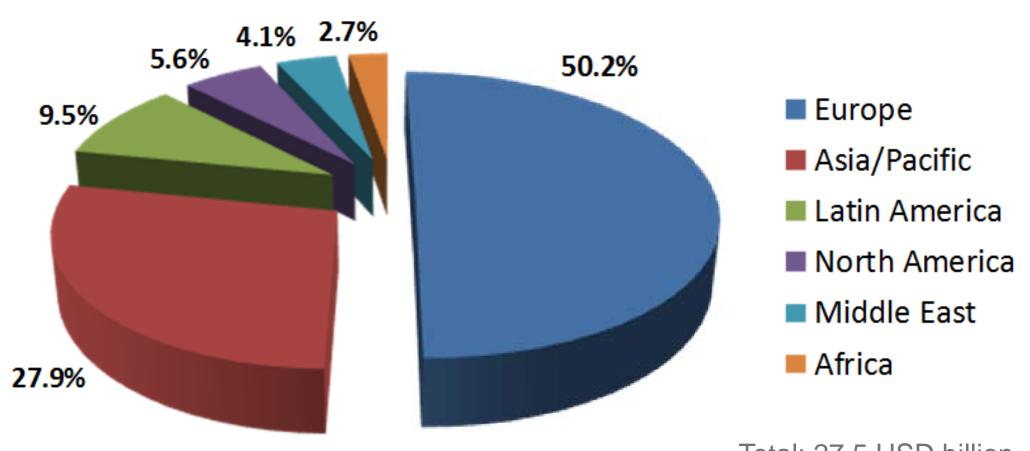


Share of offshore energy down 2%, Cargo up 2%.

GLOBAL PREMIUM 2016

By region

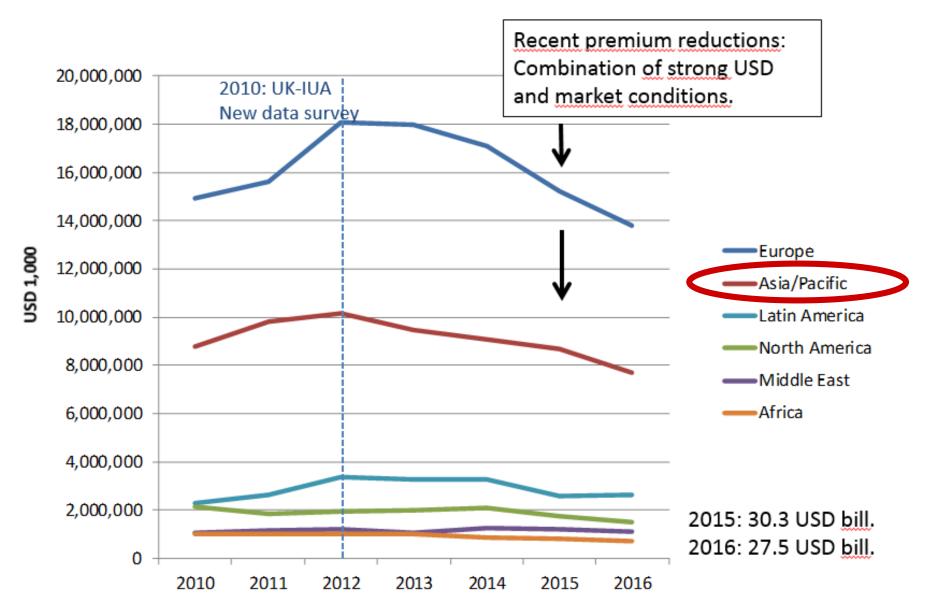




GLOBAL PREMIUM BY REGION 2010-16

Data as reported 2017

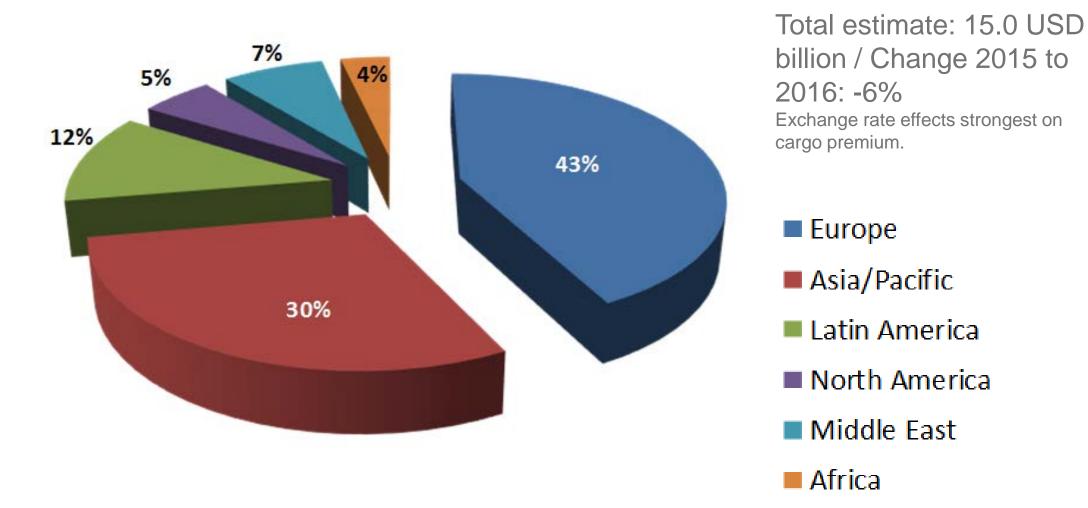




CARGO PREMIUM 2016

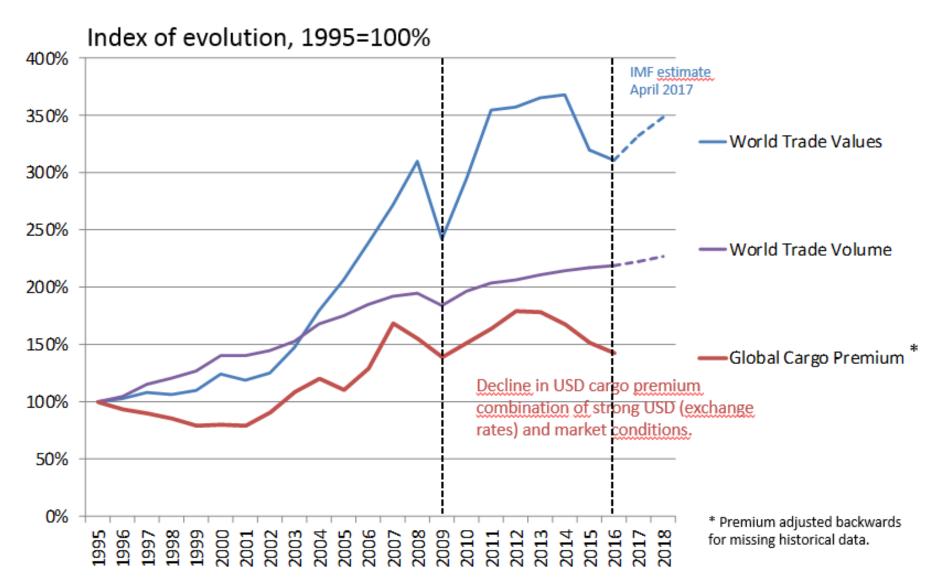
By region





CARGO PREMIUM VS WORLD TRADE VALUES & EXPORTS

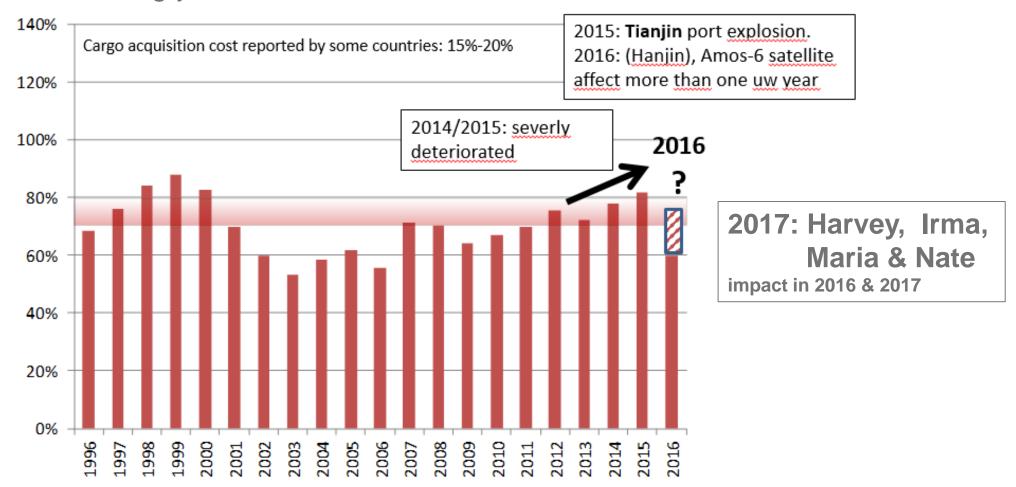




ULTIMATE GROSS* L/R CARGO EUROPE (and partly US)**



Underwriting years 1996 to 2016



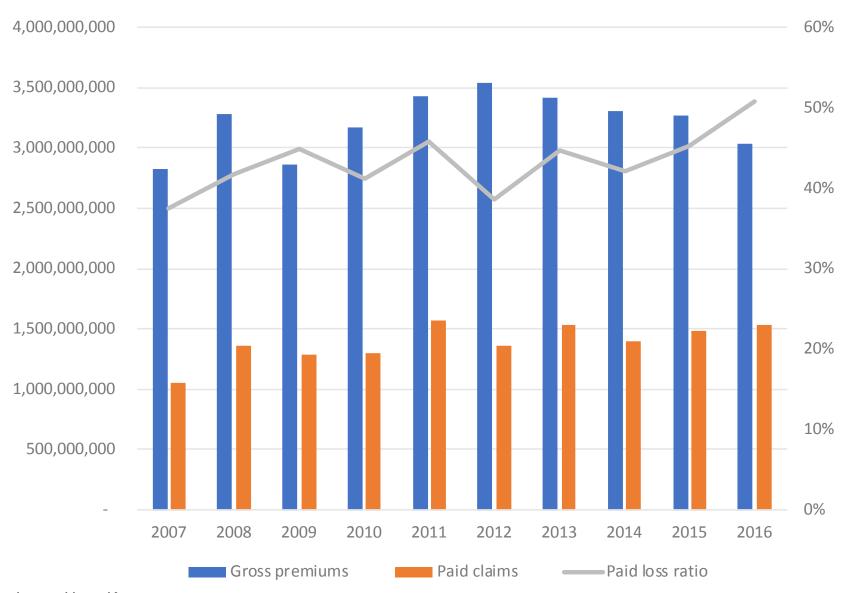
^{*} Technical break even: gross loss ratio does not exceed 100% minus the expense ratio (acquisition cost, capital cost, management expenses)

^{**}Data included from: Belgium, France, Germany, Netherlands, Italy, Spain (until 2007), UK, USA

GROSS L/R ACCOUNTING YEAR CARGO ASIA*

Gross premiums & paid claims





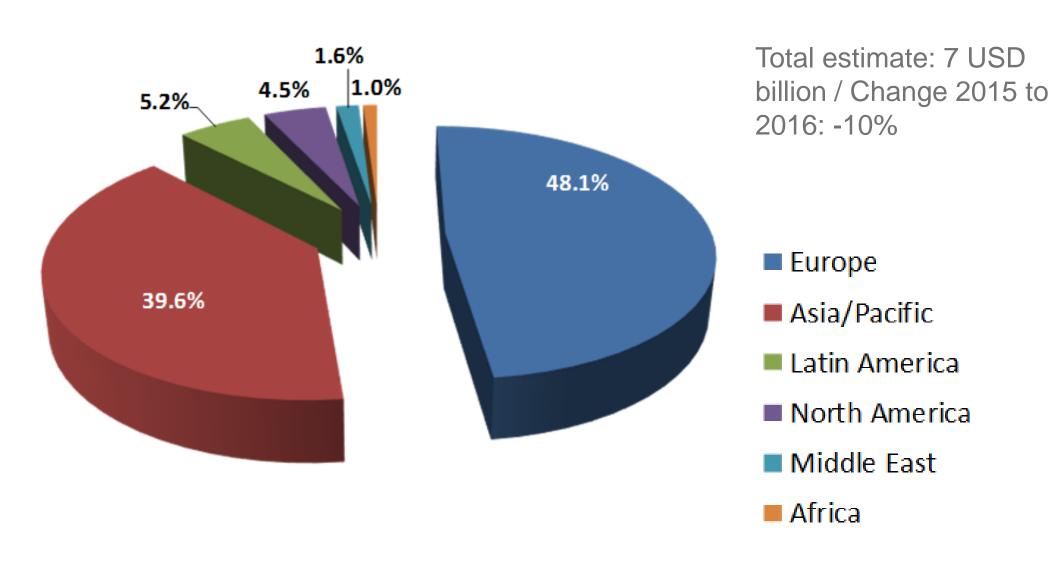
^{*} China, Japan, Hong Kong

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HULL PREMIUM 2016

By region

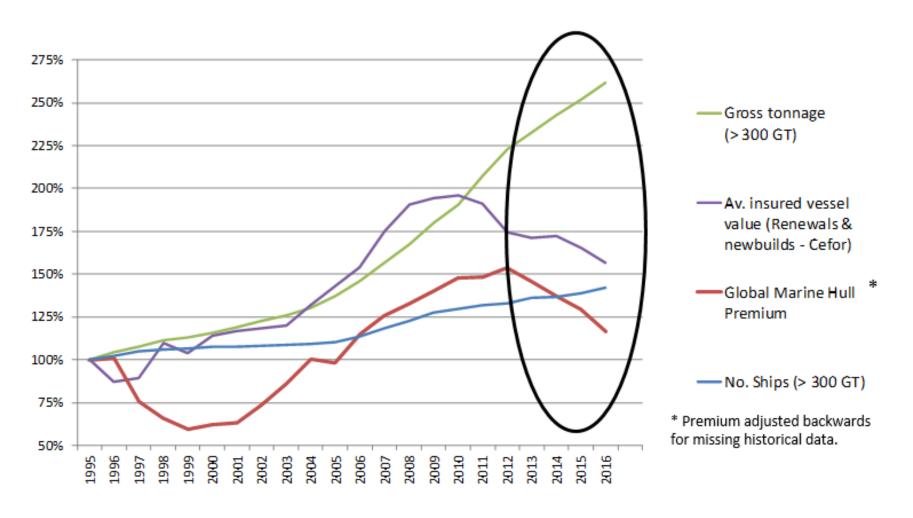




HULL PREMIUM / WORLD FLEET

Index of evolution, 1995 = 100%





World fleet continues to grow - especially in tonnage.

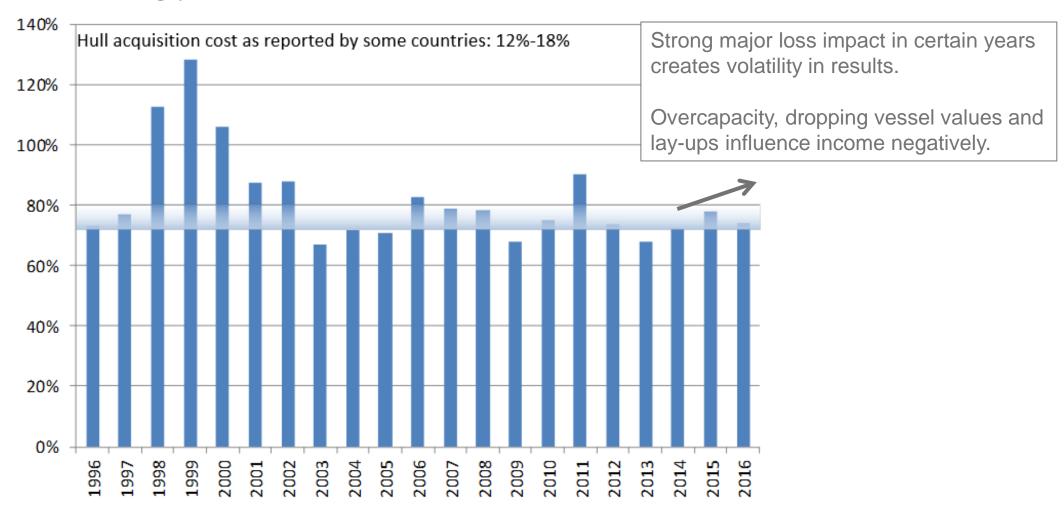
Hull premium deteriorates in line with average ship values.

Mismatch between fleet growth and income level.

ULTIMATE GROSS L/R HULL EUROPE (and partly US)



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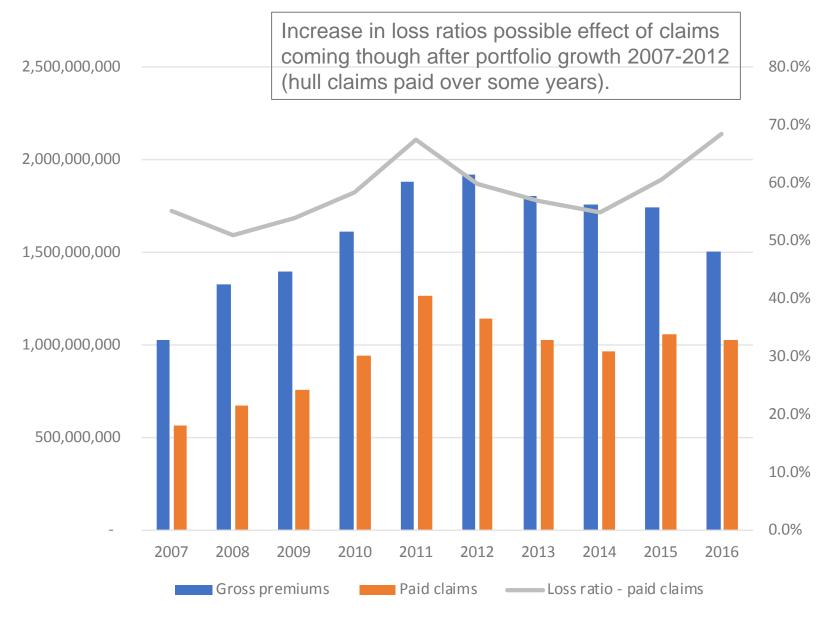
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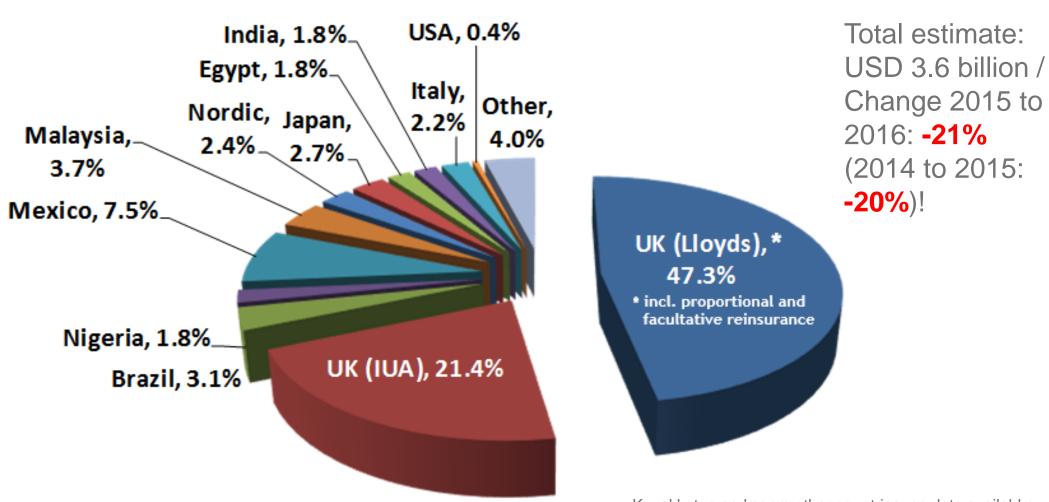




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OFFSHOURE ENERGY PREMIUM 2016

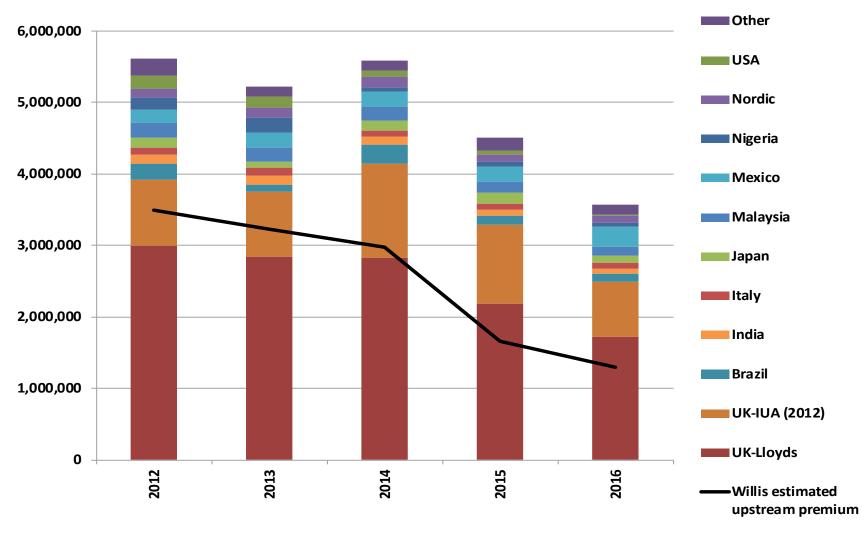




Kazakhstan and some other countries: no data available.

OFFSHORE ENERGY PREMIUM 2012 - 2016

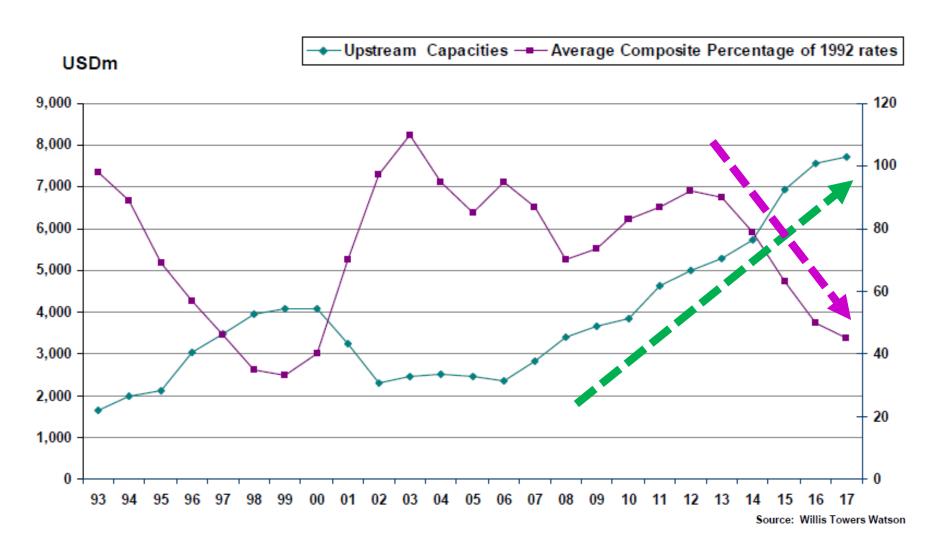




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OFFSHORE ENERGY – UPSTREAM CAPACITY VS RATING LEVEL 1993 - 2017





COMBINATION OF 2017 HURRICAINES – Market changing Event?



Hurricane Harvey (Cat.4 Hurricane)

landfall coastal Texas estimated market loss US\$ 25 – 35bn

Hurricane Irma (Cat.5 Hurricane)

landfall 10 Caribbean countries and Florida Keys estimated market loss US\$ 35 – 55bn (RMS)

Hurricane Maria (Cat.5 Hurricane)

landfall Dominica, Virgin Island and Puerto Rico estimated market loss US\$ 15 – 30bn



COMBINATION OF 2017 HURRICAINES – Market changing Event?



Harvey, Irma and Maria will make it into the top 10 of the costliest events for the global insurance market

ordered by inflation adjusted insured losses

Date	Event	Affected area	Insured losses in USD mn
Aug 2005	Hurricane Katrina	Gulf of Mexico	74,300
Sep 2017	Hurricane Irma	Caribbean, Cuba, Florida	35,000 - 55,000
Oct 2012	Hurricane Sandy	USA (East Coast), Cuba, Caribbean	30,500
Aug 2017	Hurricane Harvey	Gulf of Mexico, Texas	25,000 – 35,000
Aug 1992	Hurricane Andrew	Bahamas, Florida, Gulf of Mexico	29,100
Jan 1994	Earthquake	CA, Northridge, Los Angeles, San Fernando Valley, Ventura, Orange	24,800
Sep 2017	Hurricane Maria	Puerto Rico	15,000 – 30,000
Sep 2008	Hurricane Ike, storm surge	Cuba, Gulf of Mexico, Bahamas	20,700
Sep 2004	Hurricane Ivan	Caribbean, Gulf of Mexico	15,000
Oct 2005	Hurricane Wilma	Bahamas, Cuba, Haiti, Jamaica, Mexico, USA	14,800

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Total insured loss > US \$100bn ILS market

The President's View



Disruptive Forces in Marine Insurance

DISRUPTIVE FORCES IN MARINE INSURANCE



Disruption means

- 1. " Innovative developments
- 2. ... destroying existing business models
- 3. ... driven by technology or business innovation "

In the meantime effects extend far beyond the business world

Disruptive forces affect every aspect of society

- workplace
- environment
- politics



Both aspects will have strong impact on marine insurance business!

DIGITALIZATION WILL RE-DEFINE SHIPPING AND LOGISTICS



Digitalization, data analytics, sensor technology

- ⇒ e-Navigation
- Autonomous shipping
- Smart port logistics
- Intelligent containers
 - supply chain efficiency
 - just in time logistics
 - accumulation control
- Blockchain technology





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New technologies come along with substantial increase of data exchange and rapidly growing cyber threats!

DIGITALIZATION – CYBER RISKS

Shipping / Port logistics / Offshore installations



Ransomware – cyber attacks are going global

⇒ WannaCry

Hundreds of thousands computers locked / >150 countries affected

>200.000 companies hit / Maersk booking system + container tracking down

11 APM container terminals disrupted - 75 ports affected

DIGITALIZATION – CYBER RISKS

Shipping / Port logistics / Offshore installations



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there is no global kill switch.

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Cyber gets physical

- Monetary and reputational losses + loss of data
- Increase of physical cyber attacks on control systems or operational technology
 - Maritime port sector and ship navigation at risk
 - Trade disruption or theft of high value cargo
 - Unawareness of potential exposure
 - Comprehensive security analysis necessary before technology goes online

DIGITALIZATION WILL TRANSFORM EXISTING INSURANCE VALUE CHAIN



Distribution

- Internet based placing platforms
- New sales channels

Changing purchasing habits: "Millennial" clients' expectations

- Convenient + automated purchase of (commercial) insurance!
- Platform-based: simple / transparent / day + night
- Short response time
- Customized solutions and products
 - Customer journey is key!

Shortening of value chain

- Computerized underwriting for non-complex business
- Digital accounting
- Automated claims handling
- Middleman will be *gradually* cut out



FUTURE ROLE OF INSURERS? Innovation and disruptive technologies



- - Increasing competition
 - Alternative capital
 - Market transparency role of internet
 - Lower claims burden through new technologies
 - InsurTechs
 - Big data / artificial intelligence / machine learning
- ⇒ Digital technology destroys value ?!



Clients' expectations

Assistance & services instead of financial compensation only

MARINE INSURERS CAN COPE WITH DIGITALIZATION



Expertise

- Diversity of marine insurance products
- Broad coverage concepts
- Emerging new technologies
 - rapid development of Information Technology
 - > automation and robotics
 - > smart sensor technology in shipping & logistics
- Risk evaluation + risk management

Service

- Consultancy for clients in multinational business
- Preventive risk management + loss mitigation
- Claims services

Relationship

- Trust is central to insurance promise + reliability is our asset
- Customer access (connected devices to interact more often)
- Personal relationship + understanding client's needs

Marine is Special-ty business

Service is the differentiator

Renaissance of oldfashioned values ?!

... the more commoditized - the easier to digitize !

DIGITALIZATION

Turning disruption into opportunity



Innovation

- Monitor latent trends
- Use smart technology for risk mitigation
- Improve data analytics

Customer intelligence

- Shift in customers' expectations + behavior
- Customized products + services / cater on demand
- Get close to client by using trusted position
 - ★ technical underwriting alone will not suffice!

Changing staff profiles

- Broaden the talent pool
- Adopting new culture to foster innovation





Thank you!

Dieter Berg IUMI President

