

The Actuarial Profession making financial sense of the future

**GIRO Conference and Exhibition 2012** 

Global Statistics from the International Union of Marine Insurance Facts and Figures Committee

Darren Farr, R&Q / Skuld 1897

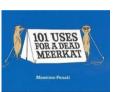
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This is about Marine Insurance, so there will be none of this ....













#### **AGENDA**

- > IUMI and the Facts and Figures Committee
- Report on World Merchant Fleet and World Trade
- Global Marine Insurance Report

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### **International Union of Marine Insurance (IUMI)**

- o Founded in 1874.
- A professional NGO run by and for its members.
- o Members are:
  - national insurance associations;
  - marine insurance associations; and
  - marine professionals.
- Provides an important forum to discuss and exchange ideas of common interest to marine (re)insurers.
- Enables views and ideas on matters of marine (re)insurance to be disseminated to all interested parties – including NGOs, IGOs, and the shipping industry.
- Dedicated to maintain and expand international trade.



#### **IUMI Facts & Figures Committee**

- o Created in 2002.
- o Provides IUMI with
  - · updated shipping and marine insurance key data and statistics;
  - · and an overview of trends in these industries.
- Provide marine insurers with risk data to improve the decision making processes in risk pricing and risk transfer.
- o Industry reports are presented twice a year:
  - In September (at the annual IUMI Conference) and in March.
- o As well as Casualty and Exposure statistics produce:
  - · Global Marine Insurance Report
  - · Global Shipping Market Trends
  - · Ship Repair Cost Index

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The following presentations are <u>abridged</u> versions presented yesterday at the IUMI Conference in San Diego....

...where it's 30°C and



... but they don't have





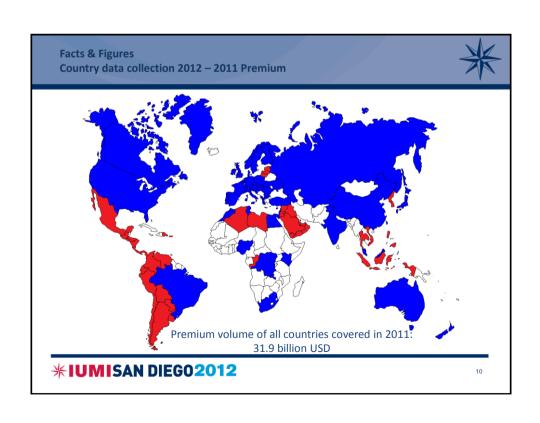


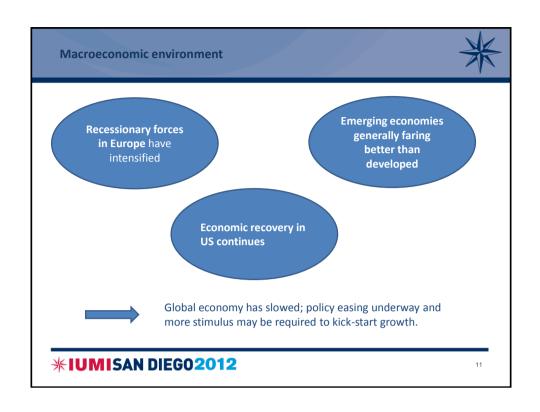
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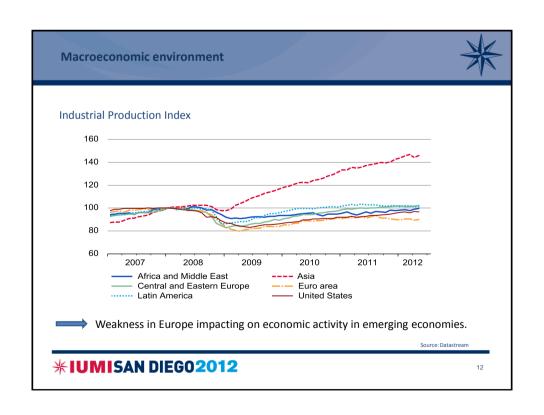


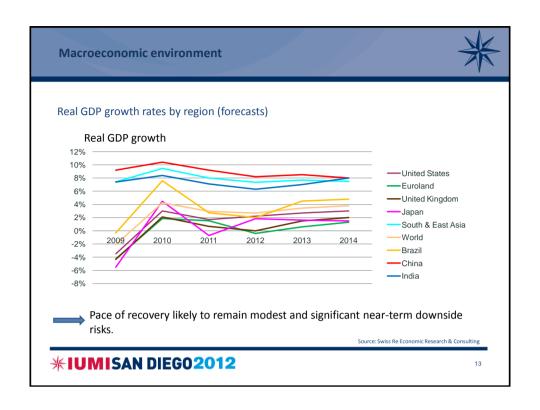
Report on World
Merchant Fleet and World
Trade

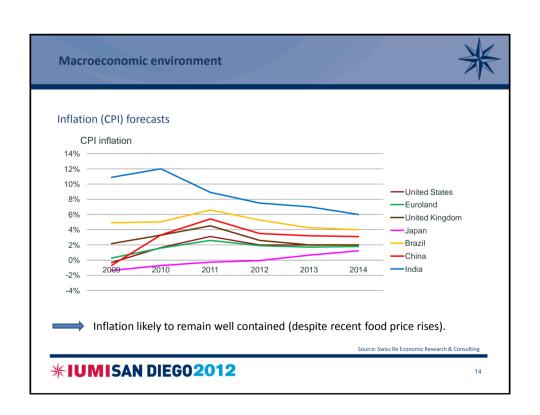
(abridged)

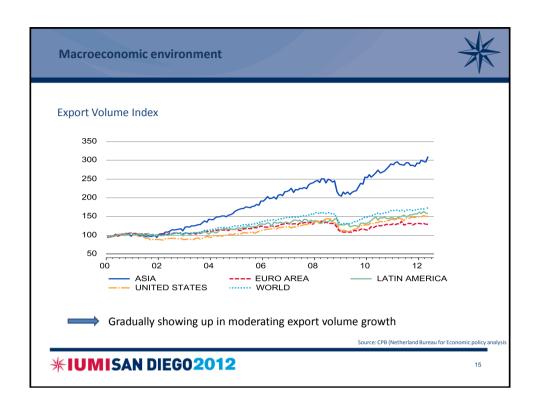


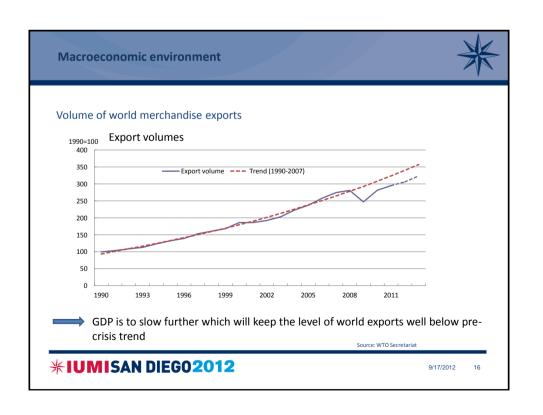




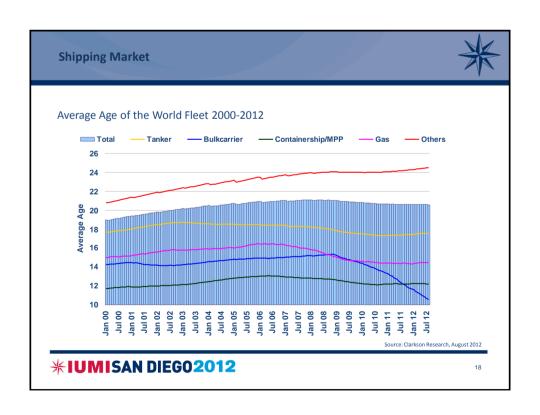


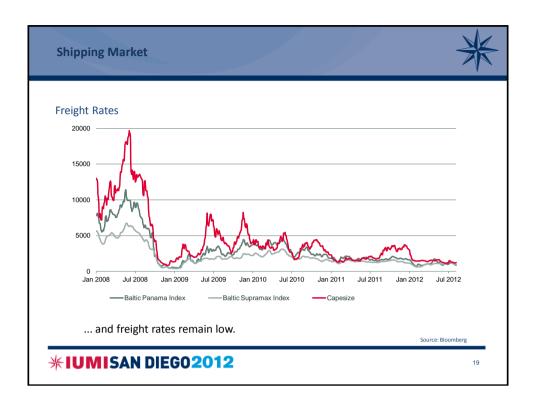












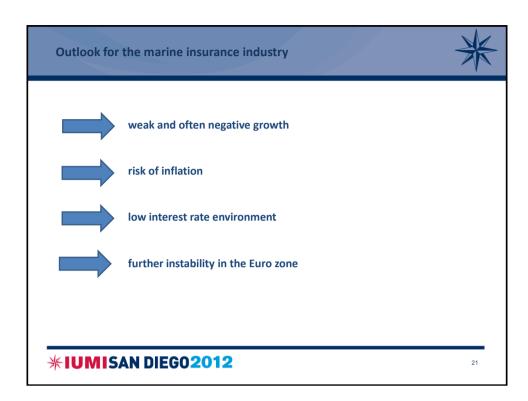
#### **Shipping Market**

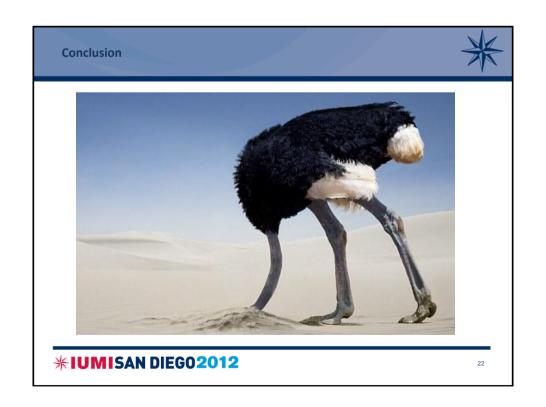


- Freight rates are still suffering and are slightly below historical average rate due to the higher cost basis for shipowners
- Current newbuildings orderbook still suggests significant capacity to come on stream in the future even if there's a considerable uncertainty (possible cancellations and delays)
- Bulkcarriers average age dropped from approximately 14 years on January 2010 to 10.5 years on July 2012
- Vessels' demolition rate is still high compared to 2011 for both tankers and bulk carriers
- Shipping market uncertainty remains











# **2012 Global Marine Insurance Report**

(abridged)

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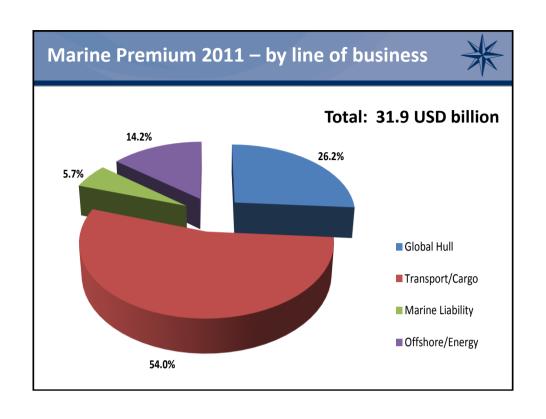
# **Global Marine Insurance Report 2012**

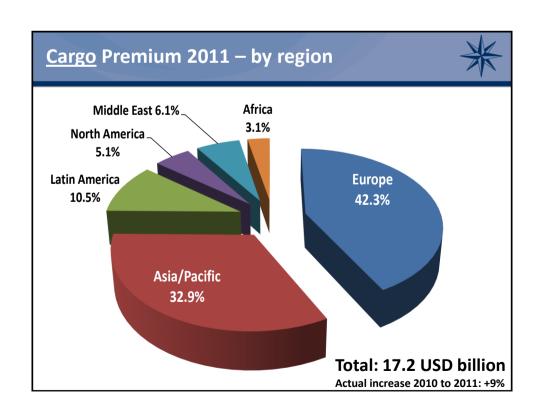


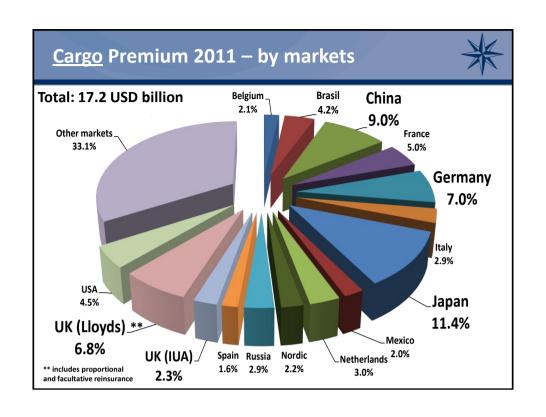
- Cargo market & results
- Hull market & results
   (with some words on <u>major losses...)</u>

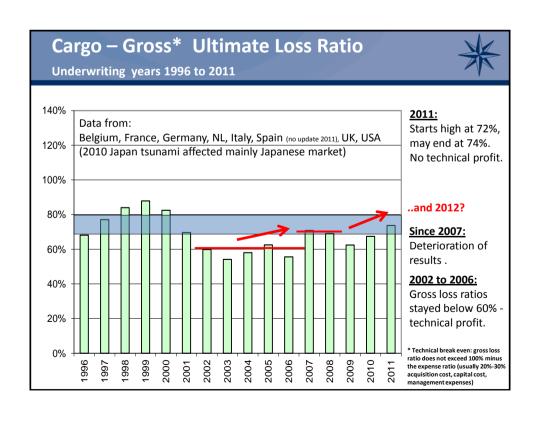


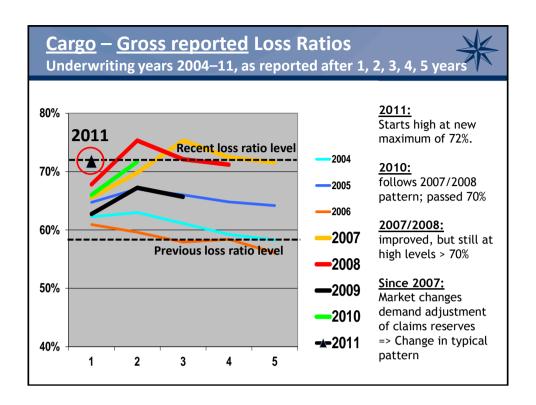
- Offshore Energy market & results
- Underlying Data for download (Premium by country, Loss ratio triangulations)
- **\*IUMISAN DIEGO2012**







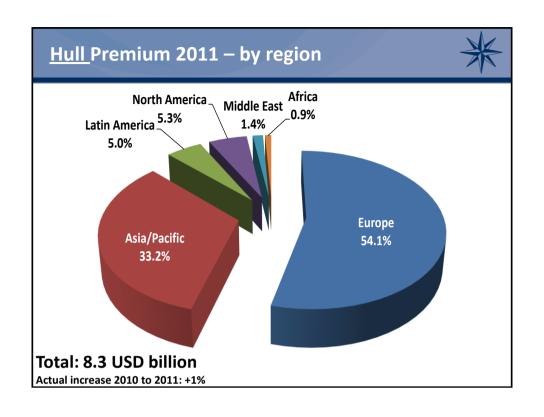


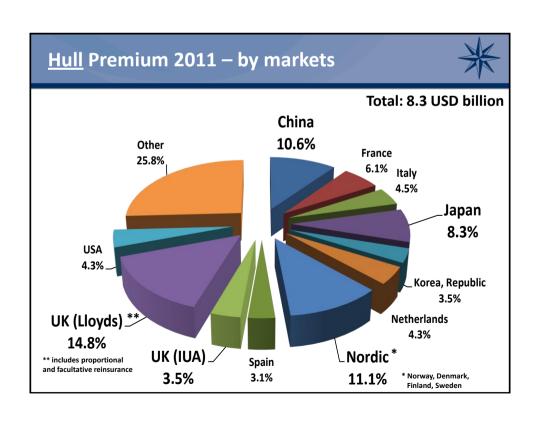


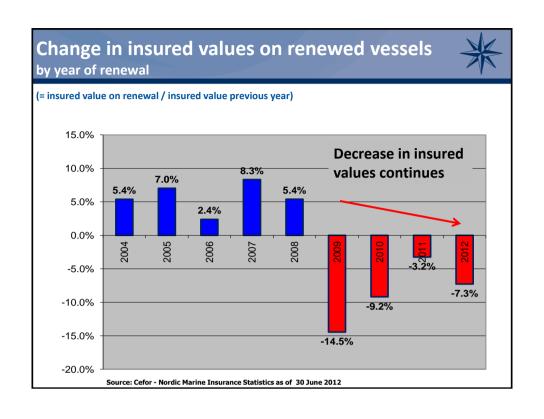
# **Summing up Cargo**

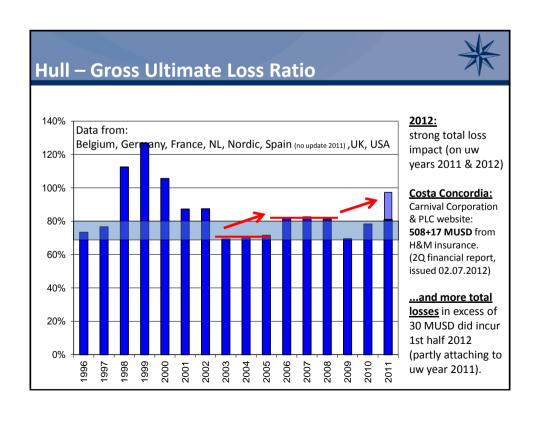


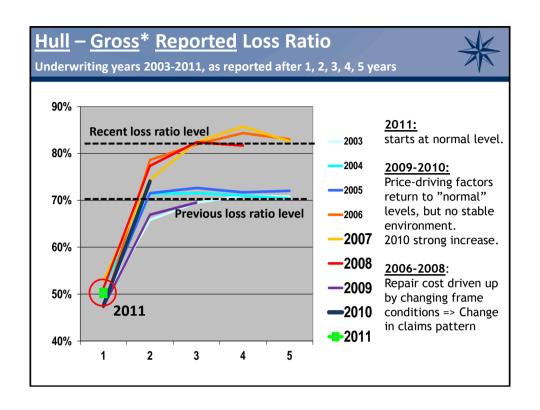
- 2011 Premium growth reflects upswing in trade Commodity prices rising, stock throughput programs expanding (US), but economical environment remains unstable.
- Increase in claims reserves change in pattern 2007/2008 improved later, but loss ratios stay high.
- 2011 Loss ratio starts at new maximum of 72% Impact of Natural catastrophes (Thailand floods), more general average claims, increasing acquisition costs.
- Claim cost unlikely to decrease
   Increased accumulation risk, moral hazard, theft frequency, natural catastrophes. Sanctions and piracy still a concern.

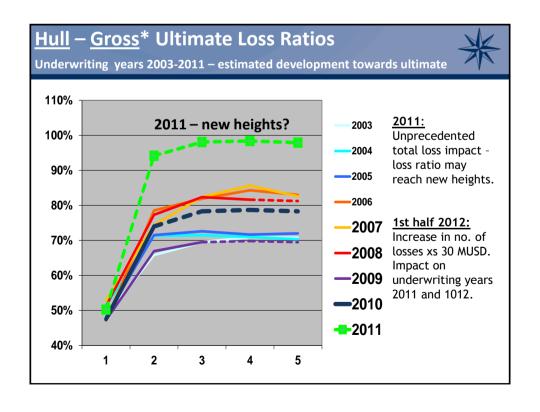












# Summing up Hull (1)



Frame conditions – still unstable Steel prices / repair yard capacity / exchange rates / commodity prices / vessel utilization /newbuildings / world trade / Euro crisis...

#### Influence

- **Income** (ship values)
- Cost (claim frequency/repair cost).
- Repair cost / Claim frequency Stabilize
   But: catching up of trade/higher utilization rates may cause repair cost to rise again
- Major claims strong impact 1st half 2012
  - Unprecedented costly event
  - Increase in total loss frequency 1st half 2012
  - Continuing downturn in insured values creates more constructive total losses

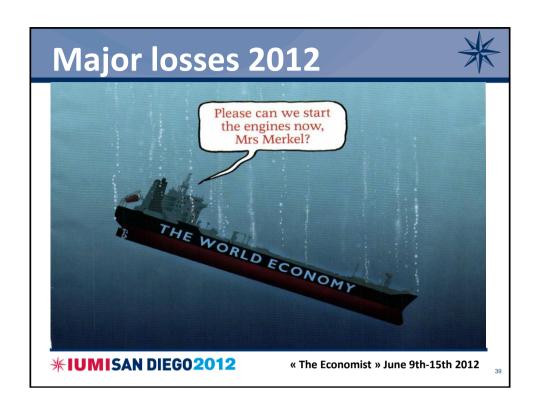
## Summing up Hull (2)

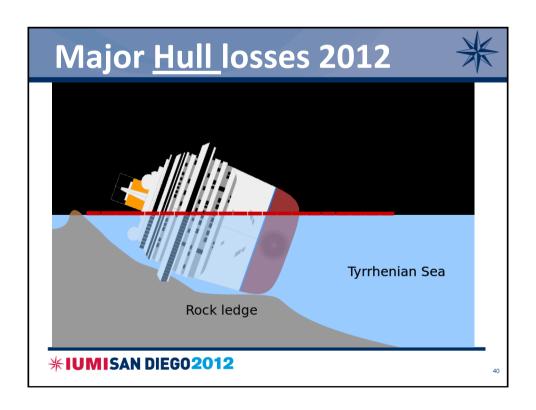


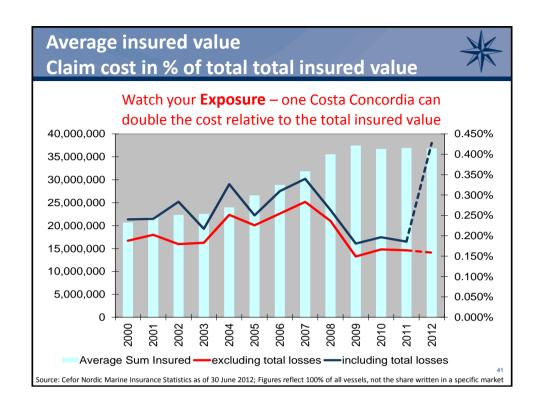
- Hull technically at loss for 16 consecutive years!
- Future Global Hull Market:
  - Understand dependencies between macroeconomic parameters and repair cost
  - Models to estimate expected claim cost (=risk premium)
  - Trade / Fleet development
  - Market discipline / capacity
  - The impact of major claims

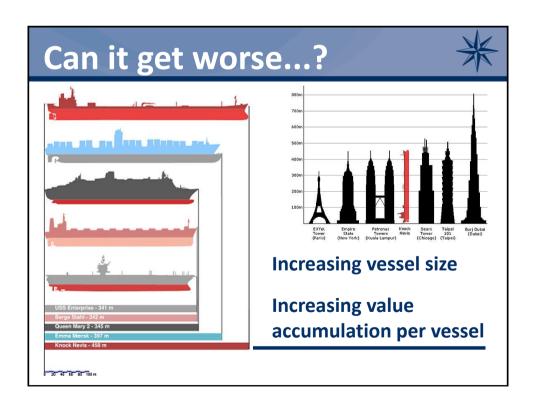


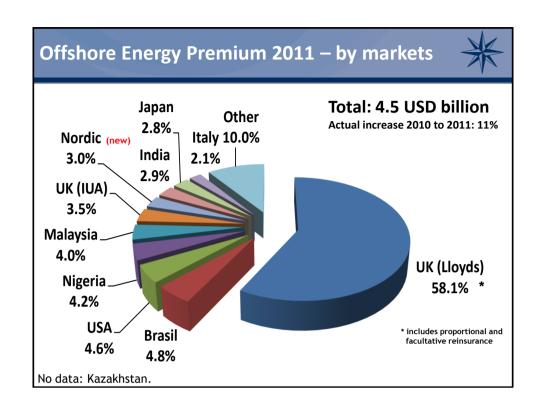
Understand the actually covered **exposure** 

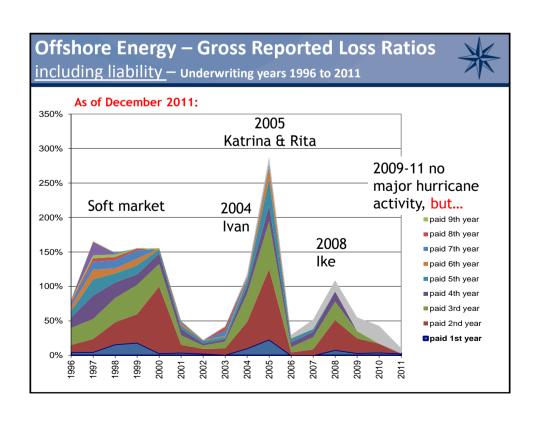












#### **Summing up Offshore Energy**



- Volatile business, strong hurricane impact less in recent years.
- Long time lag between accident and claims payment (due to technical complexity of the insured objects)
- No regular claims patterns.
   (Claims reserves set according to knowledge about individual claims).
- Recent development:
  - Reduced hurricane impact (2012 Hurricane Isaac: first Gulf of Mexico hurricane in four years, little impact on results)
  - Increasing frequency of large single loss events (physical loss and liability)
  - Events with high liability cost in 2009 and 2010
  - 2011: two losses xs 300 MUSD (Gryphon Alpha, Banff)
     2012: one loss xs 300 MUSD (KS Endeavour)



# Thank you

Further details at <a href="https://www.iumi.com">www.iumi.com</a> and

http://www.iumi.com/index.php/committees/fa cts-a-figures-committee/statistics



# Questions?





