

Welcome

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2018 Insurance Market Briefing

Global and Regional Reinsurance Update and Trends

Greg Carter,
Managing Director,
Analytics – EMEA



Discussion Outline

Global Reinsurance Results and Trends

Global Reinsurance Market Capacity

Global Reinsurance Market Evolution

Global Reinsurance Sector Outlook



Segment Outlook – Global Reinsurance

Headwinds	Tailwinds
Intense competition	Cession rates increasing
Increasing interest from third-party capital	Cat losses temporarily stabilise rates
Earnings stabilise but remain under pressure	Favourable reserve development, but waning
Excess capacity hinders further improvement	Strong risk-adjusted capital
Potential for increased inflation	Increase in interest rates
	M&A

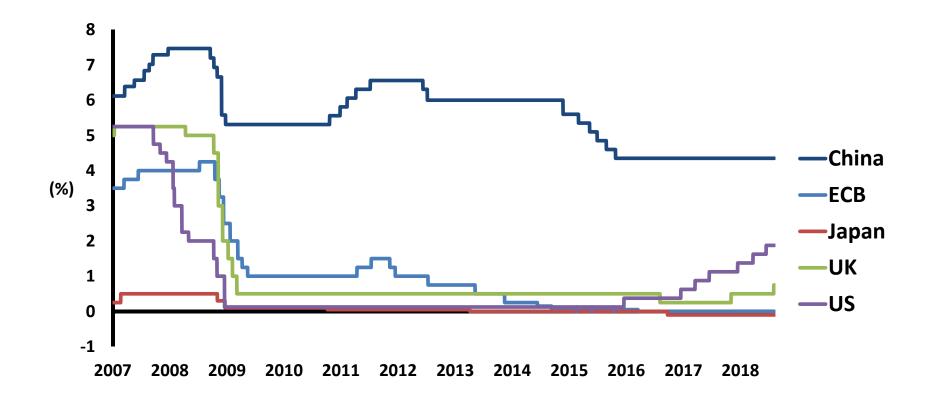
Although capitalisation remains strong and rate deterioration temporarily halted, pressure on margins continues. Over the intermediate term, returns for some reinsurers will fall short on a risk-adjusted basis. Maintain negative market outlook.



Global Reinsurance Results and Trends

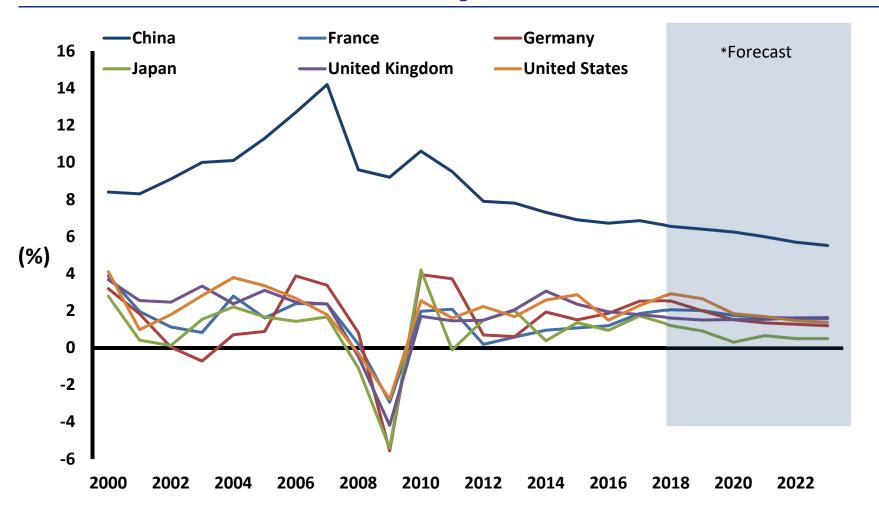


Central Bank Base Lending Rates





Global GDP Growth – Major Economies





2017 represented the most significant year for catastrophe losses since 2011

Hurricanes Harvey, Irma, Maria combined with Earthquake in Mexico and Wildfire in California produced industry losses in the range of USD 80 to 100 billion

Despite timing of these events, negative reserve surprises have been limited thus far



Overall 2017 catastrophes amounted to an earnings events as rated balance sheets emerged flat for the year

Alternative capital did participate in the events in a meaningful way resulting in collateral locks prior and through the 1/1 and mid year renewal periods

Alternative capital investors were NOT hindered by the losses and brought additional capacity to the market for the renewals



Total Economic and Insured Losses (USD billions)

	2017	2016	Annual Change (%)	10-Year Average	% of 10-Year Average Economic Losses
Economic Losses					
Natural Catastrophe	300	178	69%	178	
Man-made	6	10	-42%	12	
Total	306	188	63%	190	
Insured Losses					
Natural Catastrophe Man-made	131 5	56 8	133% -45%	51 7	29% 58%
Total	136	65	110%	58	31%

Source: Swiss Re Institute



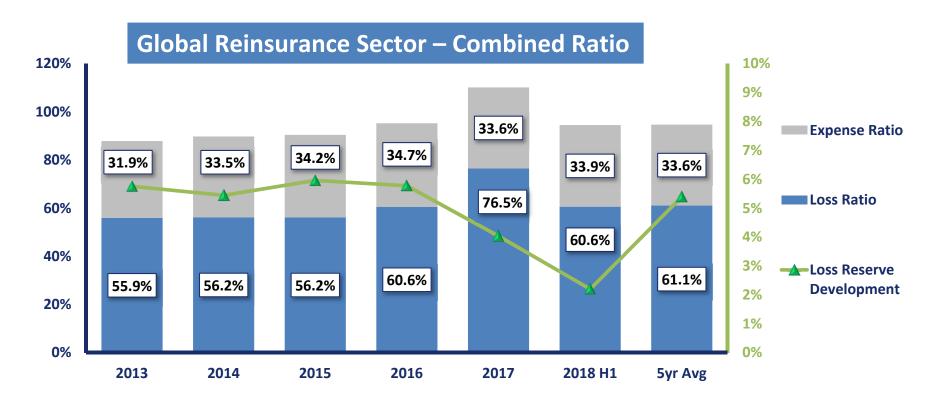
Optimism that followed quickly faded as January renewal negotiations progressed

Overall,
reinsurance
pricing stabilised.
More pronounced
improvement in
underlying
business



As a result pricing is not optimal for certain classes and structures but there are opportunities out there...





Source: A.M. Best data and research



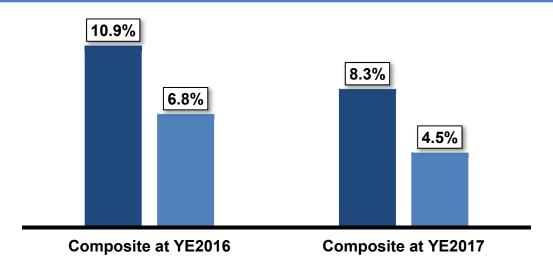
Return on Equity (2013 to present) and Five-Year Average



Source: A.M. Best data and research



Global Reinsurance Market 5 Year Average Return on Equity Less Reserve Development



- 5 Year Average Return on Equity
- 5 Year Average Return on Equity excluding Loss Reserve Development

Source: A.M. Best data and research

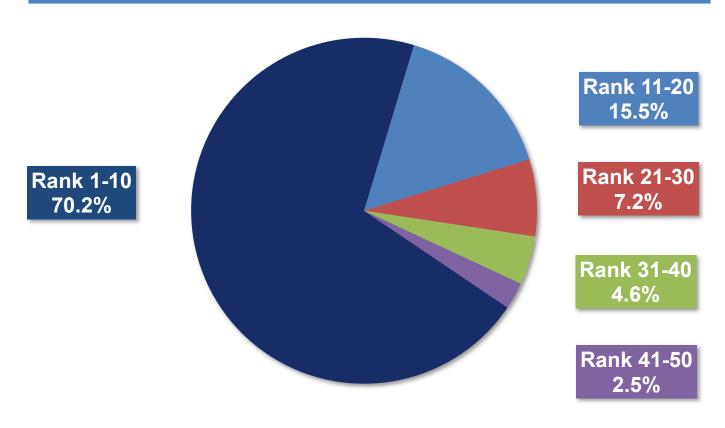


Global Reinsurance Market Capacity



Global Reinsurance Market Capacity

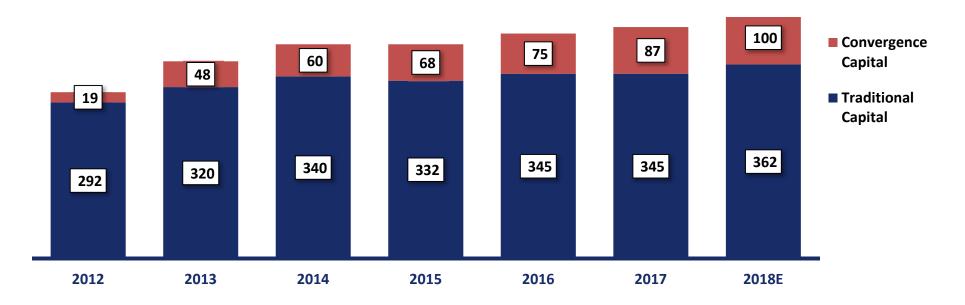
Life and Non-Life Reinsurance GPW Distribution by Ranking





Global Reinsurance Market Capital

Estimate for Total Dedicated Reinsurance Capital (USD billions)

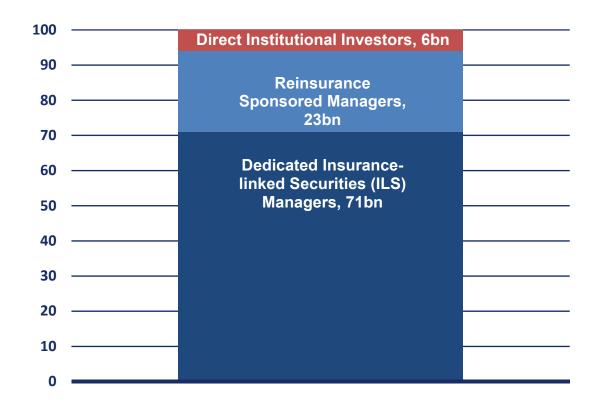


Notes and Sources: Estimates by Guy Carpenter and A.M. Best



Global Reinsurance Market Capital

Convergence Capital (2018 estimated) (USD billions)



Notes and Sources: Estimates by Guy Carpenter and A.M. Best



Global Market Evolution



Alternative Capital



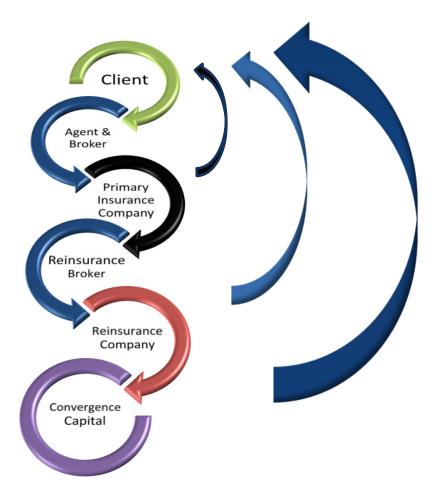
Alternative capital is driving a great deal of structural change in the market

However, the market continues to be heavily influenced by the global reinsurance leaders



The Drive for Efficiency

The market will continue to become more efficient as all players strive to become closer to the client





Segment Outlook – Global Reinsurance

Headwinds	Tailwinds
Intense competition	Cession rates increasing
Increasing interest from third-party capital	Cat losses temporarily stabilise rates
Earnings stabilise but remain under pressure	Favourable reserve development, but waning
Excess capacity hinders further improvement	Strong risk-adjusted capital
Potential for increased inflation	Increase in interest rates
	M&A

Although capitalisation remains strong and rate deterioration temporarily halted, pressure on margins continues. Over the intermediate term, returns for some reinsurers will fall short on a risk-adjusted basis. Maintain negative market outlook.



Middle East & North Africa

Headwinds	Tailwinds
Overcapacity	Growth potential
Recent large losses	Limited Nat Cat exposure
Dependence on global players for capacity and expertise	Regulatory changes
Limited scale & diversification	



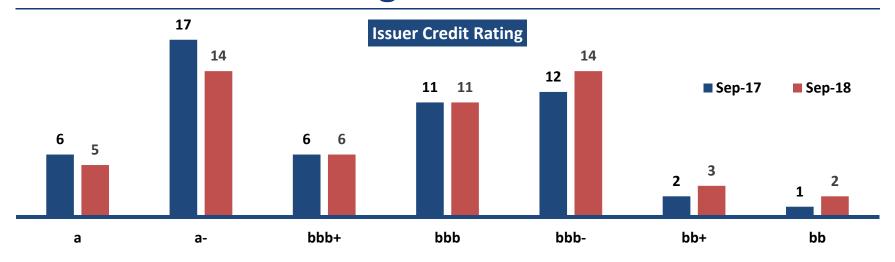
2018 Insurance Market Briefing

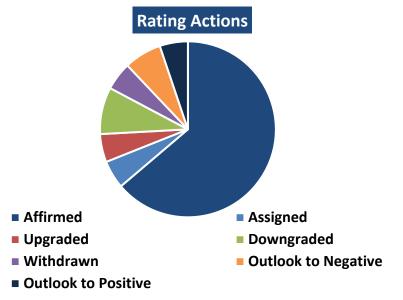
Rating Trends in the MENA Region

Mahesh Mistry, Senior Director, Analytics



Distribution of Ratings – MENA





Upgrades / Positive Actions

Improved capitalisation and / or operating performance

Downgrades / Negative Actions:

Weak technical performance, governance issues and / or reducing business profile



GCC Segment Outlook - Negative











Non-GCC

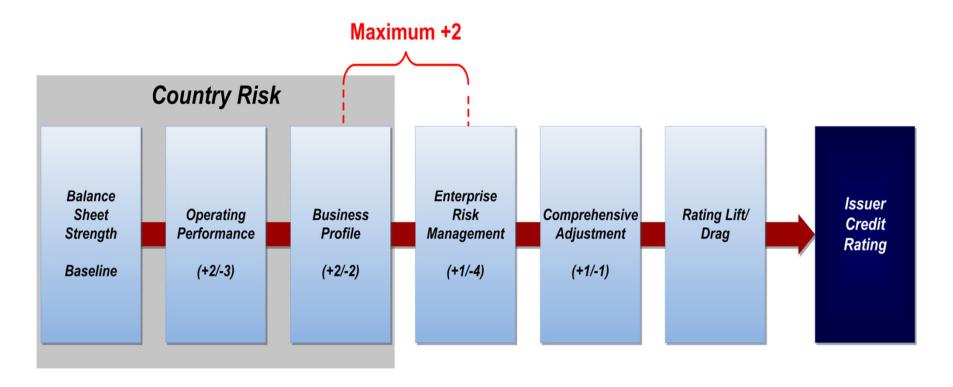






A.M. Best's Rating Process

Building Block Approach





BCRM Building Blocks

Balance Sheet Strength

Baseline

Assessment

Strongest

Very Strong

Strong

Adequate

Weak

Very Weak

Operating Performance

(+2/-3)

Assessment

Very Strong +2

Strong +1

Adequate 0

Marginal -1

Weak -2

Very Weak -3

Business Profile

(+2/-2)

Assessment

Very Favorable +2

Favorable +1

Neutral 0

Limited -1

Very Limited -2

Enterprise Risk Management

(+1/-4)

Assessment

Very Strong +1

Appropriate 0

Marginal -1

Weak -2

Very Weak -3/4



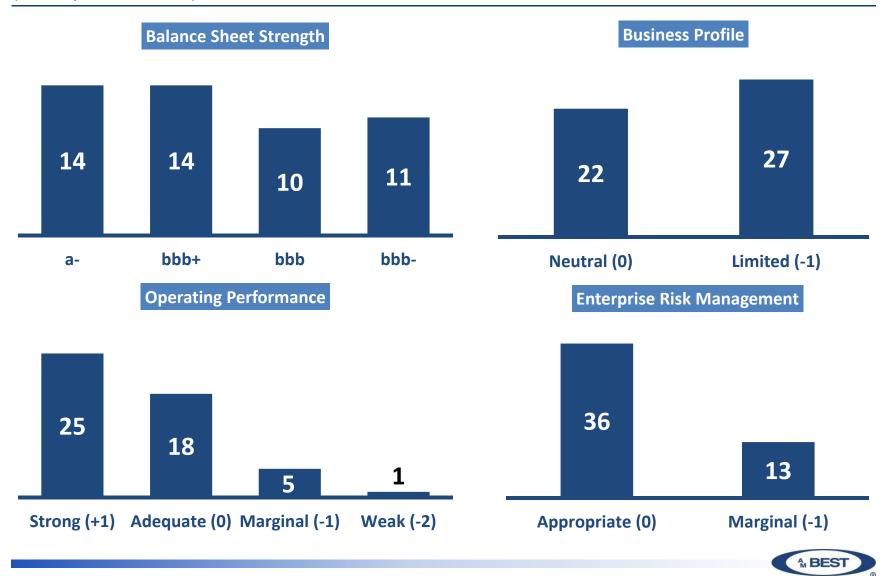
Country Risk – Downward Pressure Persists

Country	CRT	Economic Risk	Political Risk	Financial System Risk	Movement
UAE	3	Moderate	Moderate	Low	
Qatar	3	Low	Moderate	Moderate	
Saudi Arabia	3	Low	Moderate	Moderate	
Kuwait	3	Moderate	High	Moderate	
Oman	4	Moderate	High	High	Down to CRT-4 in 2018
Bahrain	4	High	Moderate	Moderate	Down to CRT-4 in 2015
Turkey	4	Moderate	High	High	
Morocco	4	High	High	High	
Jordan	4	High	High	Very High	
Tunisia	4	High	High	Very High	
Lebanon	5	High	Very High	Very High	
Egypt	5	High	Very High	Very High	Down to CRT-5 in 2011
Algeria	5	High	Very High	Very High	



Building Blocks – Evaluation by Company Count

(as at September 30, 2018)



Balance Sheet Strength:The Baseline Assessment

Combined Balance Sheet Assessment (Rating Unit / Holding Company)

Overall Balance Sheet Strength Assessment

Country Risk Tier

	CRT-1	CRT-2	CRT-3	CRT-4	CRT-5
Strongest	a+/a	a+/a	a/a-	a-/bbb+	bbb+/bbb
Very Strong	a/a-	a/a-	a-/bbb+	bbb+/bbb	bbb/bbb-
Strong	a-/bbb+	a-/bbb+	bbb+/bbb/bbb-	bbb/bbb-/bb+	bbb-/bb+/bb
Adequate	bbb+/bbb/bbb-	bbb+/bbb/bbb-	bbb-/bb+/bb	bb+/bb/bb-	bb-/b+/b
Weak	bb+/bb/bb-	bb+/bb/bb-	bb-/b+/b	b+/b/b-	b/b-/ccc+
Very Weak	b+ and below	b+ and below	b- and below	ccc+ and below	ccc and below



Balance Sheet Strength: BCAR Scores

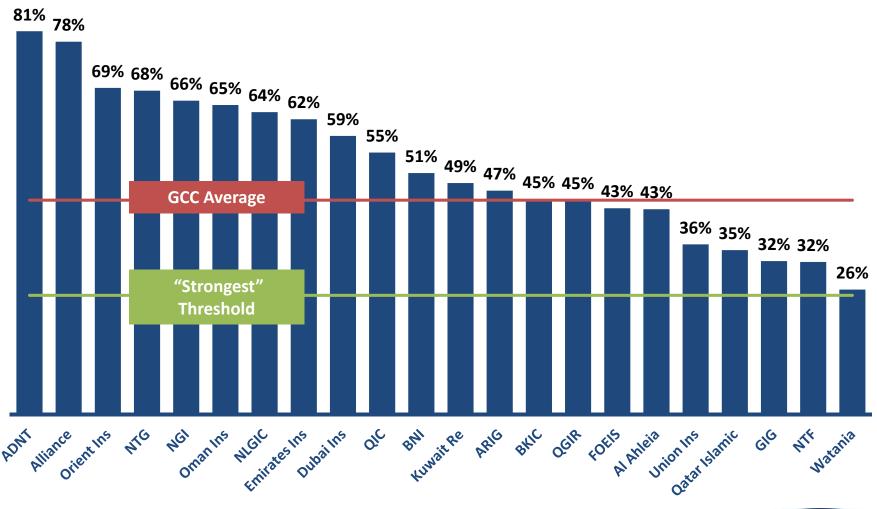
Updated BCAR Formula

Four scores corresponding to the 95%, 99%, 99.5% and 99.6% confidence level; translates to a BCAR assessment

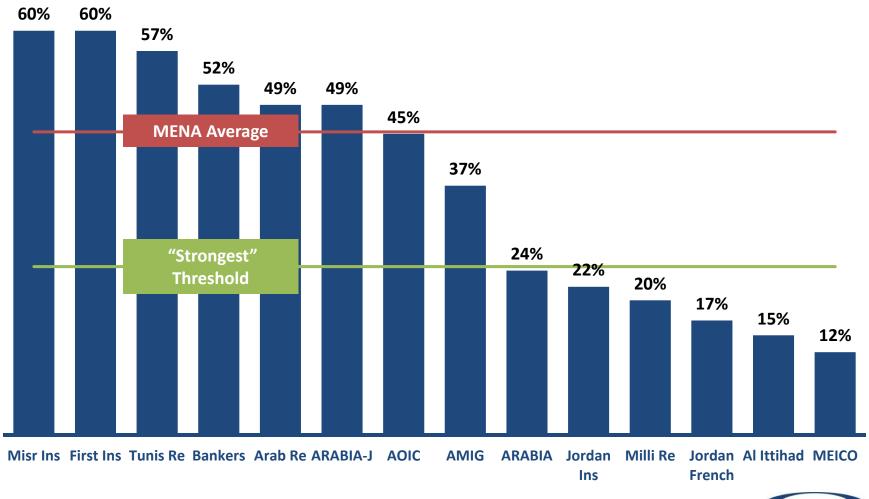
VaR Level (%)	BCAR	BCAR Assessment
99.6	> 25 at 99.6	Strongest
99.6	> 10 at 99.6 & ≤ 25 at 99.6	Very Strong
99.5	> 0 at 99.5 & ≤ 10 at 99.6	Strong
99	> 0 at 99 & ≤ 0 at 99.5	Adequate
95	> 0 at 95 & ≤ 0 at 99	Weak
95	≤ 0 at 95	Very Weak



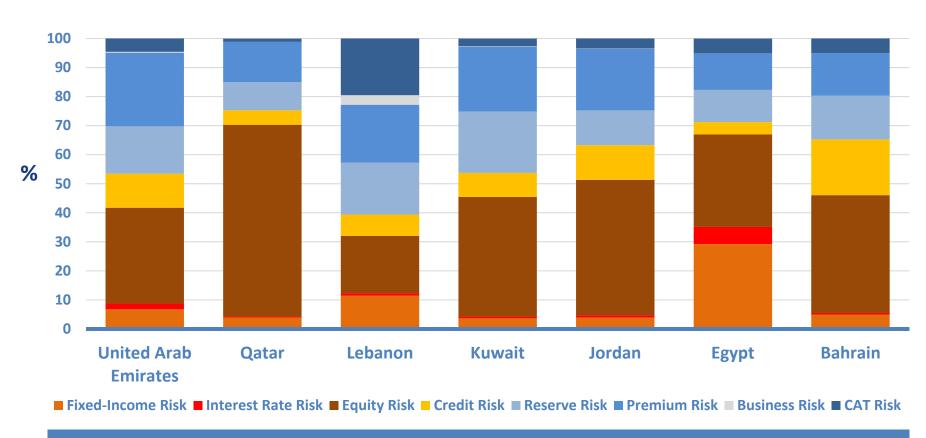
Balance Sheet Strength: GCC BCAR Scores @ 99.6% (1-in-250)



Balance Sheet Strength: Rest of MENA BCAR Scores @ 99.6% (1-in-250)



Balance Sheet Strength: Breakdown of Capital Requirements



- Investment risk (equity and real estate) is the main driver of capital requirements
- Asset charges incorporate CIC and concentration risk factors



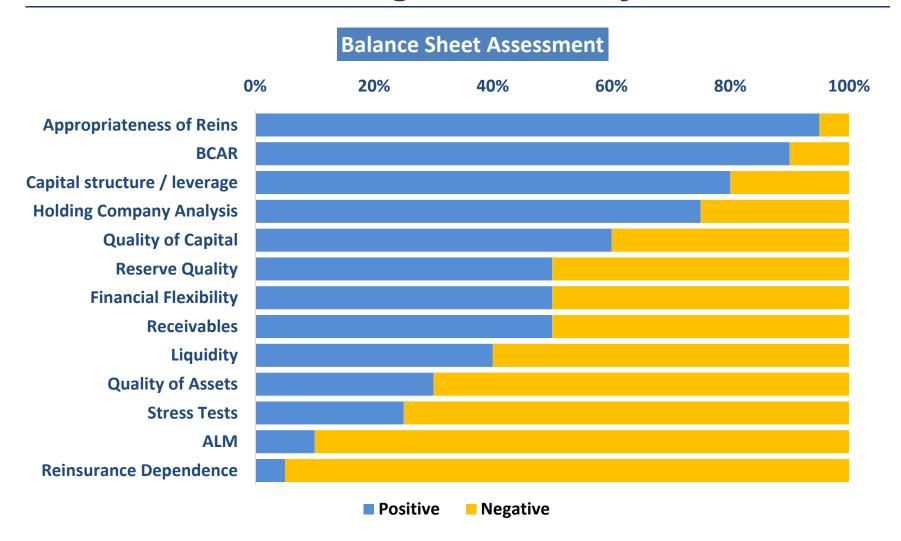
Balance Sheet Strength: Relationship of BCAR to Balance Sheet Strength

BCAR	Balance Sheet Assessment						
Assessment	Strongest	Very Strong	Strong	Adequate	Weak	Very Weak	
Strongest	-	67%	16%	-	-	-	
Very Strong	-	2%	8%	-	-	-	
Strong	-	-	6%	-	-	-	
Adequate	-	-	-	-	-	-	
Weak	-	-	-	-	-	-	
Very Weak	-	-	-	-	-	-	

Most rated companies have "strongest" BCARs, with "Very Strong" balance sheet assessment

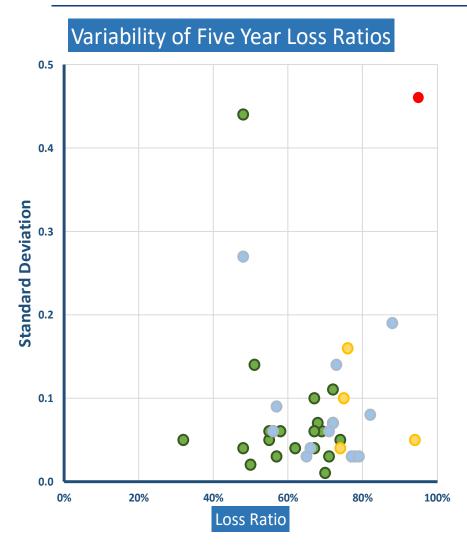


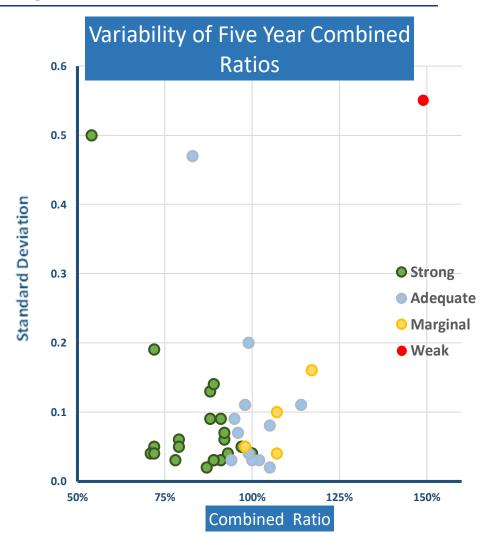
Balance Sheet Strength: Summary





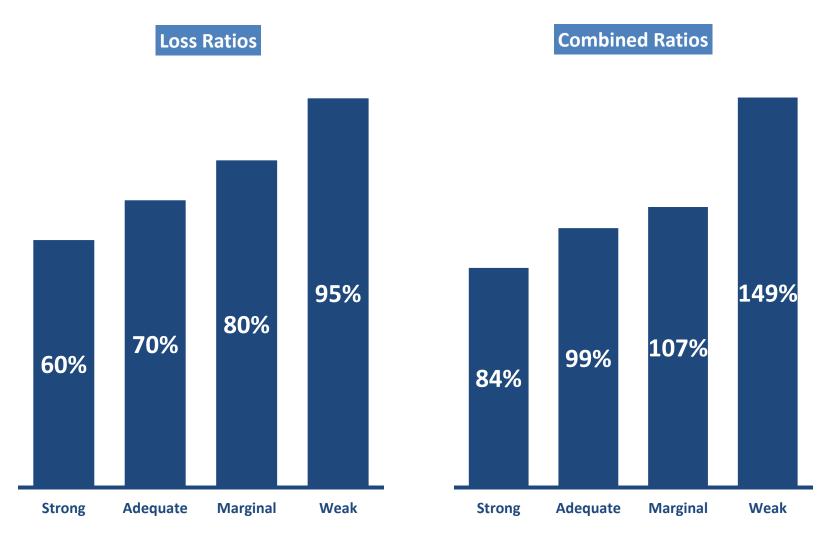
Operating Performance: Technical Ratios and Volatility





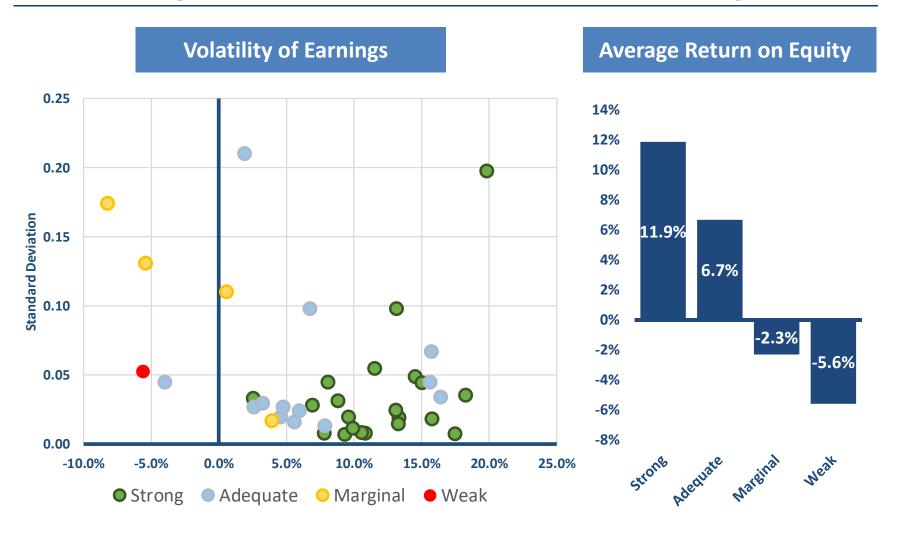


Operating Performance: Technical Ratios



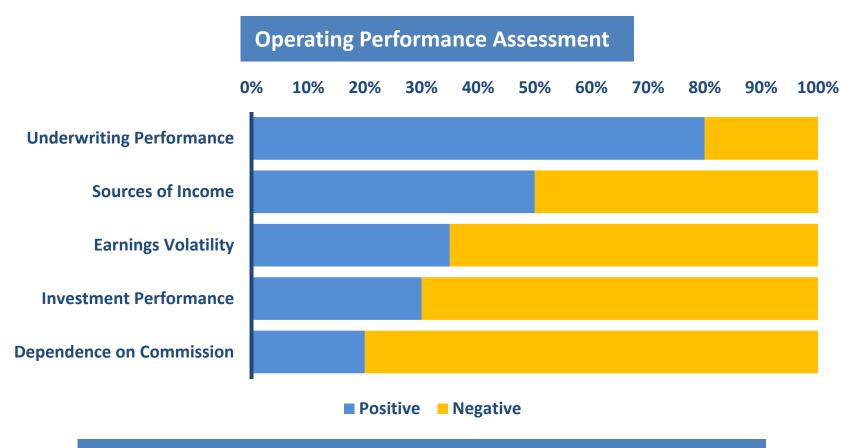


Operating Performance: Return on Equity





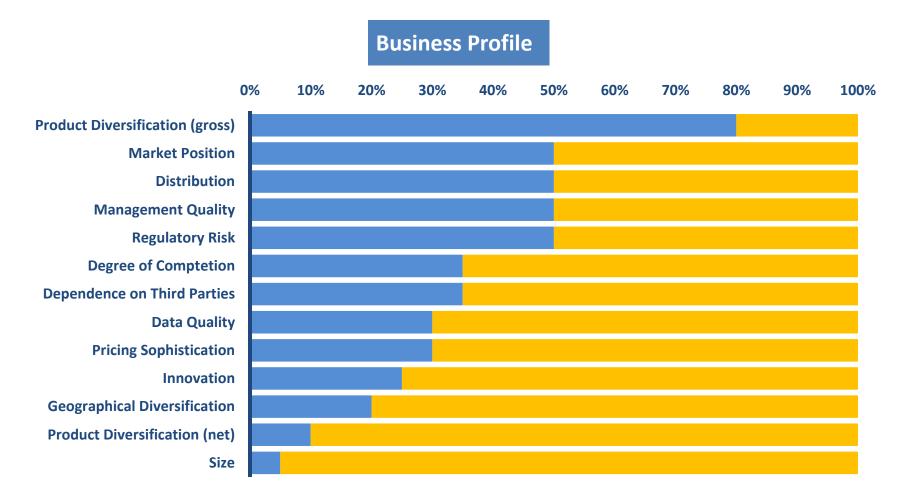
Operating Performance: Summary



Operating performance assessed against appropriate benchmarks



Business Profile: Summary



■ Positive ■ Negative



Enterprise Risk Management (ERM)

Framework Assessment Components					
Risk Identification and Reporting					
Risk Appetite and Tolerances					
Stress Testing					
Risk Management and Controls					
Governance and Risk Culture					

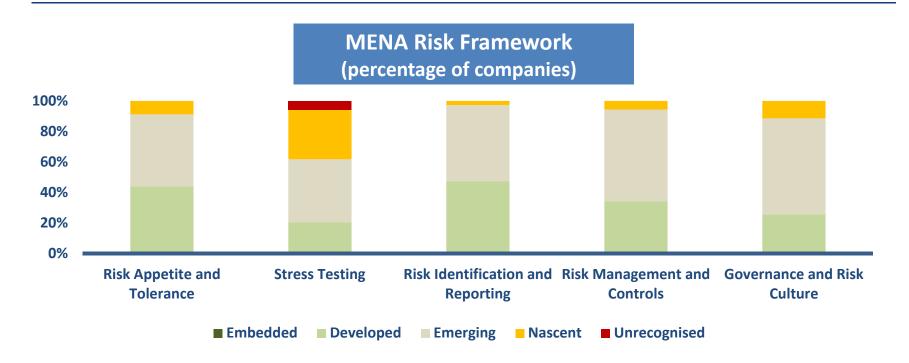


Framework Assessment Descriptors						
Embedded						
Developed						
Emerging						
Nascent						
Unrecognised						

Assessment of Capabilities Relative to Profile					
Product and Underwriting Risk	Investment Risk				
Docoming rick	Legislative/Regulatory/Judicial/				
Reserving risk	Economic Risk				
Concentration Risk	Operational Risk				
Reinsurance Risk	Liquidity and Capital Management Risk				



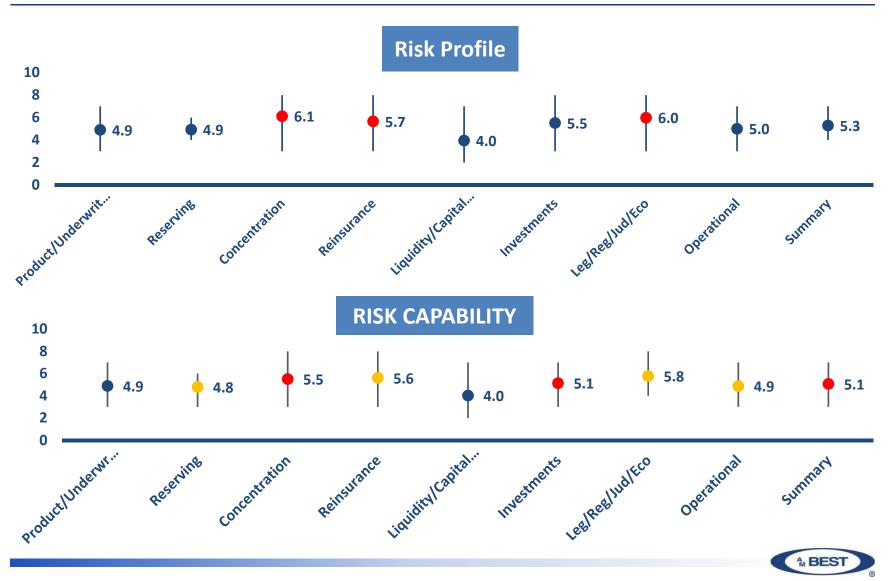
ERM: Risk Framework



- Lack of robust ERM framework is a negative rating factor
- Most frameworks within the "emerging" phase
- No frameworks viewed as embedded
- Failure to demonstrate improvements (relative to benchmark) may result in greater pressure on the building block assessment



Risk Profile vs Risk Capability



Final Thoughts

Governance

- Restatements
- Write down of assets
- Reserve strengthening
- Fraud

Regulation

- Short-term volatility
- Longer-term stability
- Stronger solvency regimes

Volatility

- High asset risk
- Fluctuations in operating performance
- Buffers required in RAC

• ERM

- Improved basic structures
- Lack of effective utilisation
- Higher prospective benchmarks



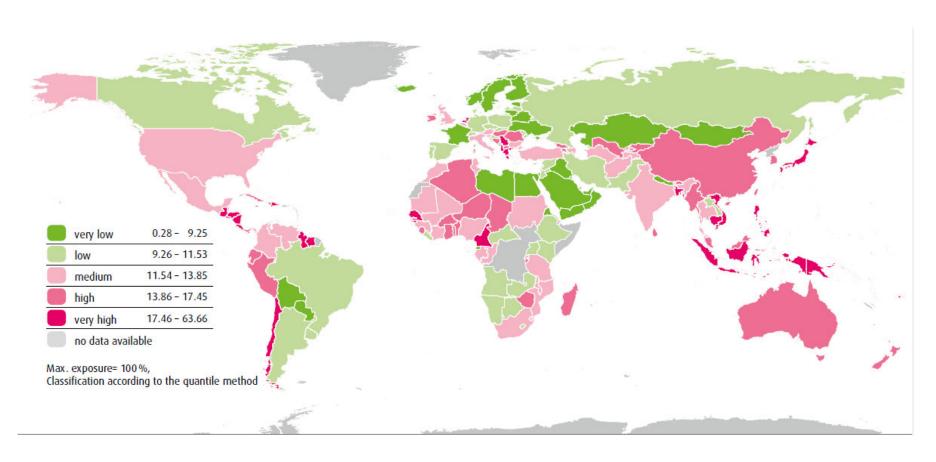
2018 Insurance Market Briefing

Catastrophe Events in the GCC

Vasilis Katsipis, General Manager, Market Development – MENA, SCA



WorldRiskReport 2017: Exposure to natural catastrophes



Source: United Nations University



WorldRiskReport 2017: GCC among the countries with lowest RiskIndex

Rank	Country	WorldRiskIndex	Exposure	Vulnerability	Susceptibility	Lack of coping capacities	Lack of adaptive capacities
135 . Unite	ed Kingdom	3.60%	11.60%	31 .08 %	16 .46 %	46 .82 %	29 .95 %
136 . Slova	ıkia	3.56%	10.21%	34 .85 %	14 .25 %	55 .25 %	35 .05 %
137 . Czecł	h Republic	3 .52 %	10.82%	32 .50 %	14 .87 %	50 .32 %	32 .31 %
138 . Kuv	wait	3 .46 %	9 .04 %	38.24%	12 .02 %	64.93%	37.77%
139 . Latvia	a	3 .43 %	6.26%	37.10%	20.76%	55.43%	35.11%
140 . Polar	nd	3 .35 %	9.79%	34 .22 %	17.22%	53 .72 %	31 .71 %
141 . Belgi	ium	3 .33 %	11 .66 %	28 .54 %	15 .60 %	40 .40 %	29 .64 %
142 . Spain	1	3 .23 %	10 .23 %	31 .53 %	15 .95 %	50 .00 %	28 .65 %
143 . Belar	rus	3 .19 %	8 .46 %	37 .68 %	16 .77 %	60 .92 %	35 .33 %
144 . Cana	da	3 .13 %	10 .25 %	30 .55 %	14 .85 %	45 .91 %	30 .90 %
145 . Ukrai	ine	3 .10 %	7 .50 %	41 .34 %	19 .00 %	61 .99 %	43 .03 %
146 . Germ	nany	3 .09 %	11 .41 %	27 .13 %	15 .11 %	37 .69 %	28 .57 %
147 . Mong	golia	3 .08 %	6 .52 %	47 .17 %	32 .32 %	65 .48 %	43 .73 %
148 . Lithu	ania	3 .06 %	8 .88 %	34 .49 %	18 .99 %	50 .36 %	34 .13 %
149 . Denn	nark	2 .99 %	10 .87 %	27 .54 %	14 .92 %	39 .47 %	28 .23 %
150 . Cypru	us	2 .76 %	7 .44 %	37 .04 %	14 .46 %	57 .74 %	38 .91 %
151 . Franc	ce	2 .73 %	9 .25 %	29 .47 %	16 .17 %	43 .22 %	29 .03 %
152 . Om	nan	2 .72 %	6 .41 %	42.37%	16 .44 %	63.53%	47.14%
153 . Seych	helles	2 .56 %	5 .99 %	42.77%	21 .60 %	63.23%	43.47%
154 . Luxer	mbourg	2 .55 %	9 .12 %	27 .95 %	12 .32 %	41 .17 %	30 .36 %
155 . Switz	erland	2 .50 %	9 .56 %	26 .19 %	14 .37 %	37 .60 %	26 .60 %
156 . Estor	nia	2 .45 %	7 .23 %	33 .83 %	18.01%	51 .38 %	32 .10 %
157 . Israe	I	2 .40 %	6 .41 %	37 .42 %	19.08%	58 .65 %	34 .54 %
158 . Singa	pore	2 .36 %	7 .82 %	30 .14 %	14 .16 %	48 .83 %	27 .43 %
159 . Egypt	t	2 .30 %	4 .72 %	48 .75 %	21 .62 %	76 .91 %	47 .72 %
160 . Norw	<i>r</i> ay	2 .29 %	8 .58 %	26 .64 %	14 .04 %	39 .08 %	26 .78 %
161 . Finla	nd	2 .25 %	8 .19 %	27 .43 %	15 .45 %	38 .99 %	27 .86 %
162 . Swed	len	2 .19 %	7 .97 %	27 .47 %	15 .08 %	40 .36 %	26 .96 %
163 . Uni	ited Arab Emirates	1 .98 %	5 .93 %	33 .37 %	10 .39 %	58.29%	33 .44 %
164 . Bah	nrain	1 .77 %	4 .27 %	41 .41 %	13 .28 %	65.68%	0.4528
165 . Kiriba	ati	1 .76 %	3 .05 %	57 .69 %	42 .18 %	83 .19 %	0.4769
166 . Icelai	nd	1 .54 %	5 .67 %	27 .19 %	14 .68 %	41 .67 %	25 .23 %
167 . Grena	ada	1 .44 %	3 .13 %	46 .12 %	24 .86 %	69 .20 %	44 .28 %
168 . Barba	ados	1 .21 %	3 .46 %	34 .99 %	16 .53 %	49 .96 %	38 .49 %
169 . Sau	ıdi Arabia	1.21%	2.93%	41.14%	0.1608	68.49%	38.85%
170 . Malta	a	0.0061	0.0165	37.10%	0.1503	57.10%	39.17%
171 . Qat		0 .09 %	0 .28 %	32 .25 %	9 .36 %	49 .03 %	38.36%
I/I. Qai	lai	0.09 %	0.28%	3Z .Z5 %	9.30 %	49 .03 %	3

Source: United Nations University



Risk index could improve further with upgrade of capabilities

Country	WorldRisk Index	Exposure	Vulnerability	Susceptibility	Lack of coping capacities	Lack of adaptive capacities
Kuwait	3.46%	9.04%	38.24%	12.02%	64.93%	37.77%
Oman	2.72%	6.41%	42.37%	16.44%	63.53%	47.14%
United Arab Emirates	1.98%	5.93%	33 .37 %	10.39%	58.29%	33 .44 %
Bahrain	1.77%	4.27%	41 .41 %	13.28%	65.68%	45.28%
Saudi Arabia	1.21%	2.93%	41.14%	16.08%	68.49%	38.85%
Qatar	0.09%	0.28%	32 .25 %	9.36%	49.03%	38.36%

Source: United Nations University

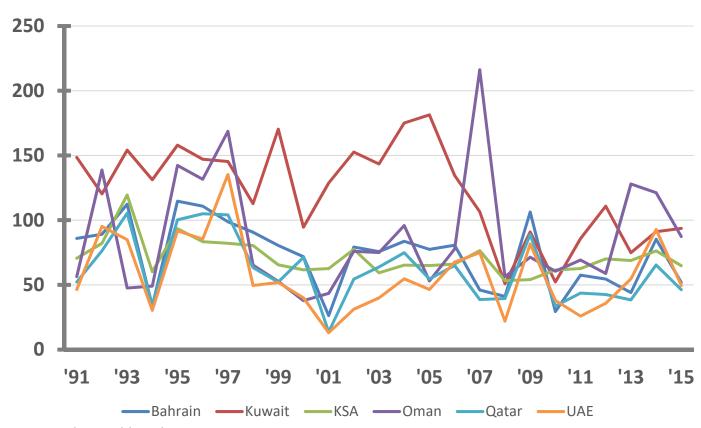


The End



Precipitation in GCC below historical highs

Annual precipitation in the GCC (mm)

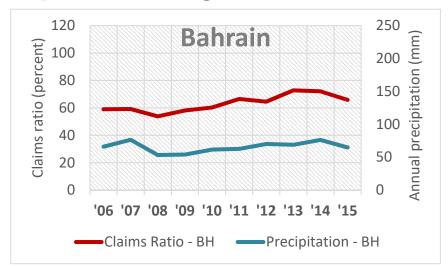


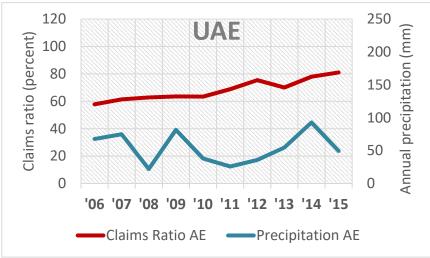
Source: The World Bank Group

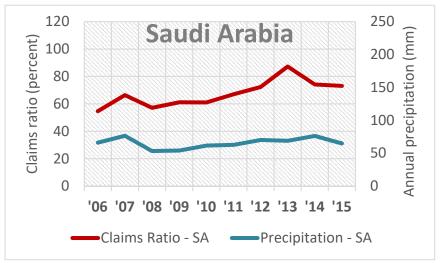
- Most markets
 have had
 relatively benign
 weather
 conditions in
 recent years
- Most recent floods are below historical precipitation patterns
- Only exception is the Cyclone Gonu impacting Oman in 2007

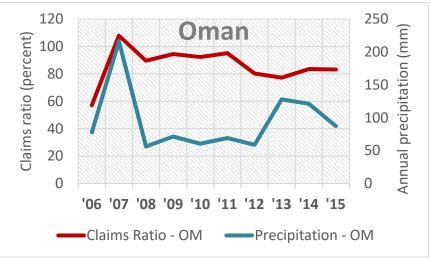


Relationship between weather events and insurance profitability not immediately evident







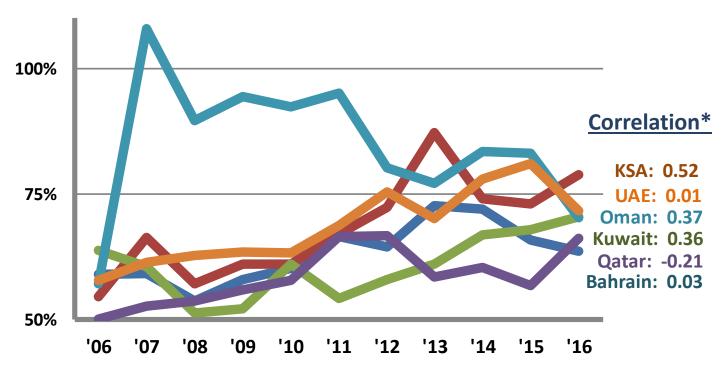


Sources: The World Bank Group & A.M. Best's Statement File - Global



In many GCC markets decline in technical profitability is unrelated to weather events

GCC claims ratio and correlation to precipitation



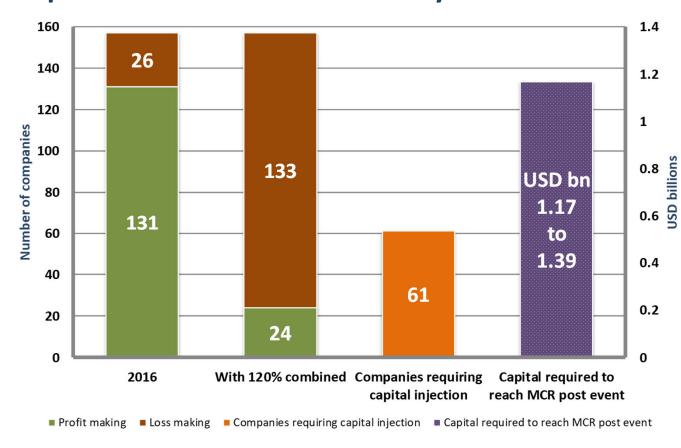
- Great variations among GCC markets
- KSA, Oman and Kuwait with the greatest correlation
- Bahrain,
 Qatar and
 UAE with no
 correlation



^{*}Correlation coefficient (ranges from -1 to 1). Positive numbers indicate positive correlation

A region-wide cat event would have severe impact on the industry

Impact of cat event with severity similar to Gonu*



An event with the same severity as Gonu would result in a third of all companies requiring recapitalisation

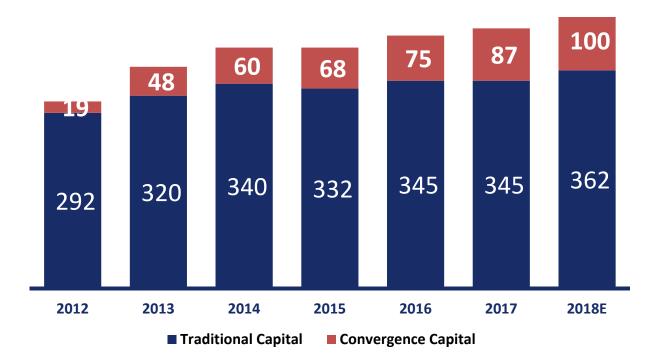
- Total capital injection could amount to USD 1.38 billions
- Assuming no reinsurers default and no decline in investment values



^{*} Single event resulting in non-life combined ratio of 120%

Thankfully global reinsurance capacity remains unchanged ...





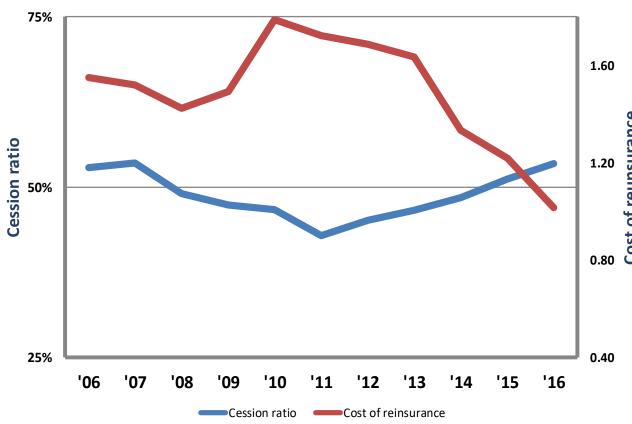
Source: Guy Carpenter and A.M. Best

- Cat events of 2017 were an earnings event for major reinsurers
- Providers of convergence capacity reloaded post the cat events
- reinsurance
 capacity remains
 unchanged
 despite major cat
 events of 2017



... which is good for GCC insurers given high reinsurance dependence

Reinsurance cessions and "cost" of reinsurance* in the UAE



^{*}Cost of reinsurance = ceded premiums / ceded claims reserves

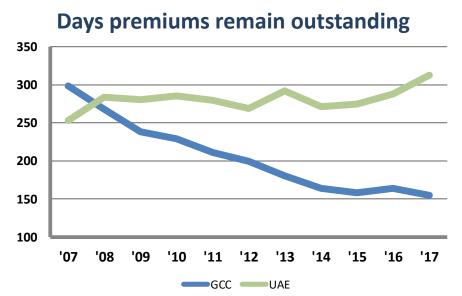
- Markets have benefited from what seems to be cheap reinsurance capacity
- After years of decline, cession ratio is back above 50%
- Questions:
 - a. Has counterparty risk remained stable throughout the period?
 - b.ls reinsurance buying linked to risk appetite?



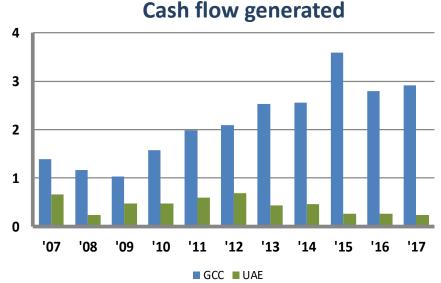
Cat losses need not be caused by natural events



Outstanding balances: a hidden source of catastrophic losses



- The UAE is the GCC market with the highest level of premiums outstanding
- Improvement in remaining GCC countries is driven mainly by KSA
- Are all these amounts recoverable?



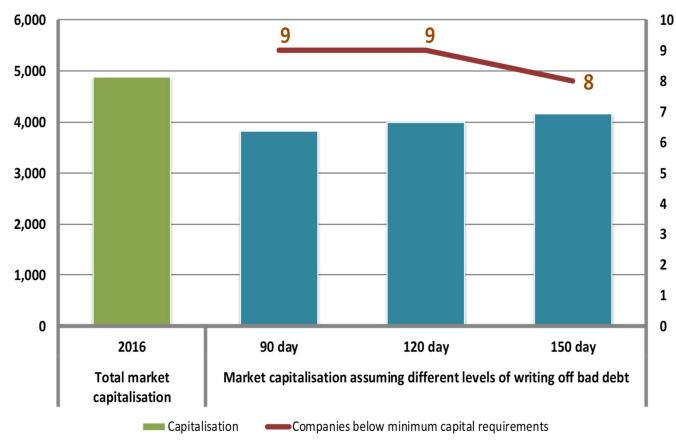
- Late payments impact cash flow
- 10 years ago the UAE accounted for almost half of the cash flow of the GCC insurance industry. In 2017 it was below 10%
- What would happen if outstanding balances were written off?

& BES

Writing off outstanding balances will be more severe than a Gonu-like nat-cat for the UAE market

No. of companies

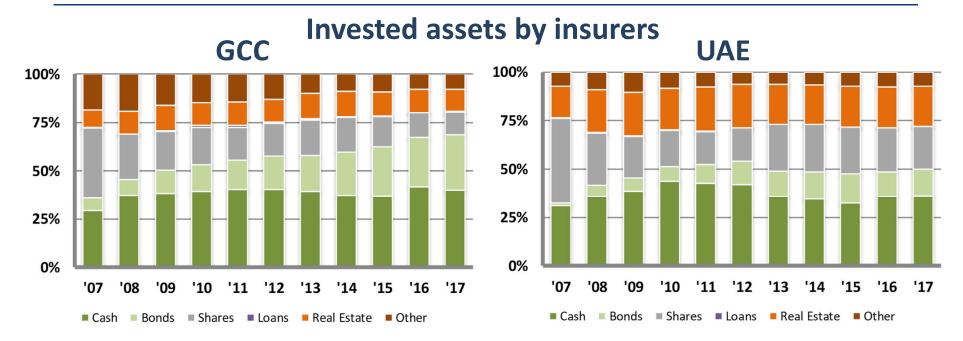
Impact of write-off of long overdue balances on UAE market



- Adopting a more prudent approach to writing off long outstanding balances would have severe impact on market capitalisation
- Depending on limits adopted there would be a 15% 22% decline in market capitalisation
- 8-9 companies (out of 31 publishing accounts) will need recapitalisation



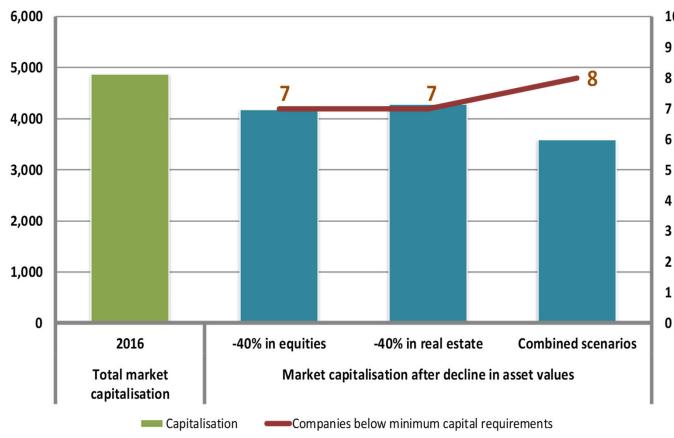
Shares and real estate another possible source of catastrophic losses



- Significant de-risking of investment
 UAE companies continue to take portfolios in the GCC over the last decade
- more investment risk than their counterparts in other GCC markets
 - High correlation between shares and real estate

A scenario similar to the 2009 crisis results in higher losses than a Gonu-like nat-cat event

Impact of asset impairments on UAE insurers



Market remains vulnerable to investment write downs

10

9

- There is high correlation between local stocks and real estate values
- A scenario similar to the one experienced in 2008-2010 would result in a 15% - 26% loss of shareholder equity in the UAE market
- 7-8 companies needing recapitalisation



Conclusion

- GCC has low levels of nat-cat exposure
- Recent weather-related cat events are below historical highs
- Man made events more than compensate for the lack of nat cat
- Insurers need to re-examine their risk appetite and strengthen their ERM practices



Future 2018 Insurance Market Briefings



A.M. Best's Market Briefing 2018 at the 15th Singapore International Reinsurance Conference 14:00 – 15:00 SGT

Tuesday 30 October, 2018:

A.M. Best Suite – Heliconia Jr Ballroom Sands Expo & Convention Centre, Marina Bay Sands, Singapore



2018 Insurance Market Briefing – Europe 08:30 – 13:00 GMT, followed by lunch Methodology Review Seminar 14:00 – 16:00 GMT

Tuesday 6 November, 2018: etc. venues St Paul's, London 200 Aldersgate, London, EC1A 4HD

