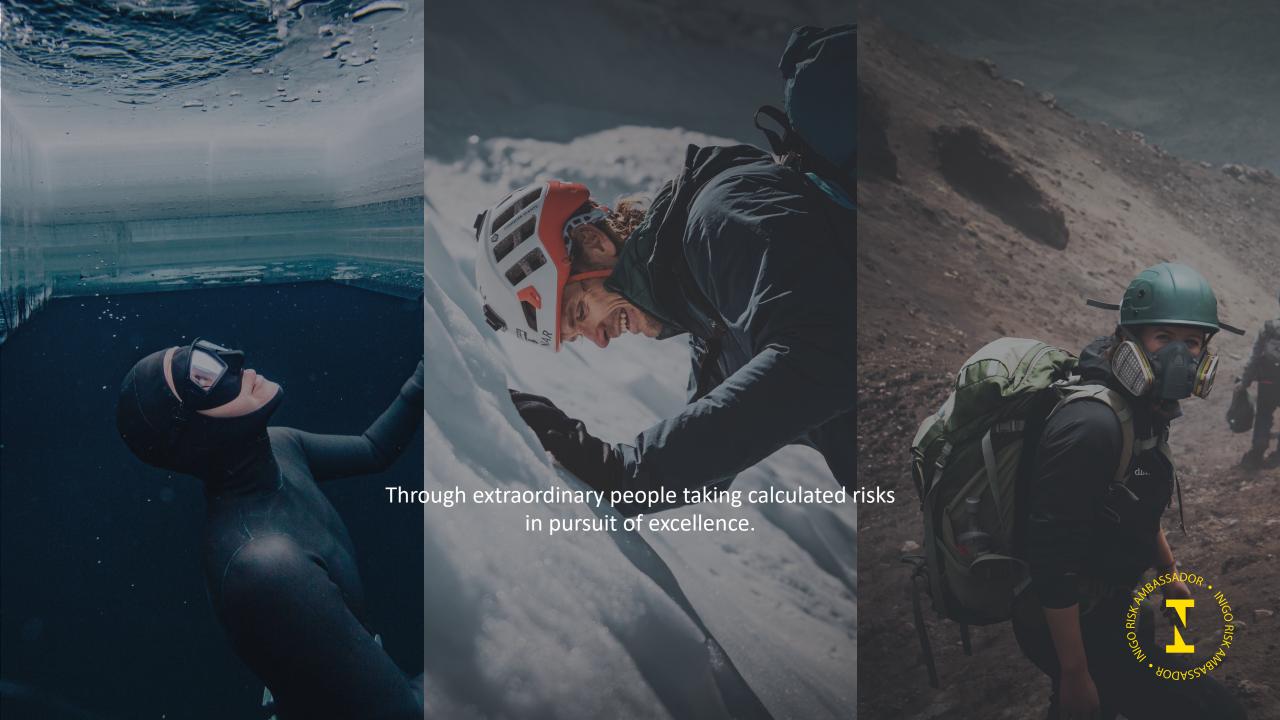


Managing Climate Change in (Re)Insurance

May 2023

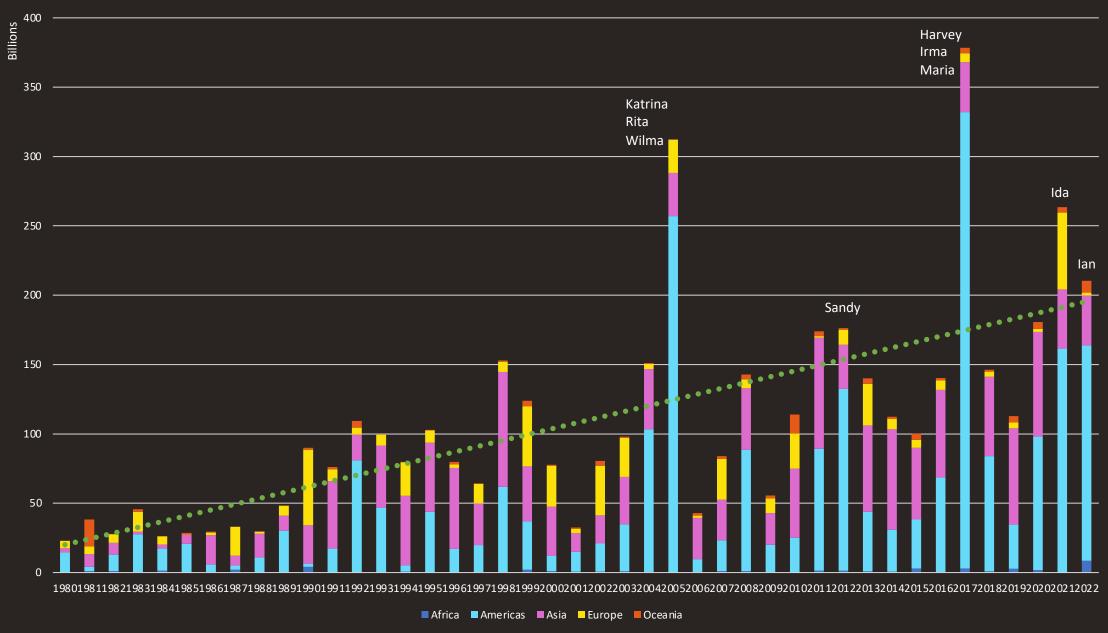




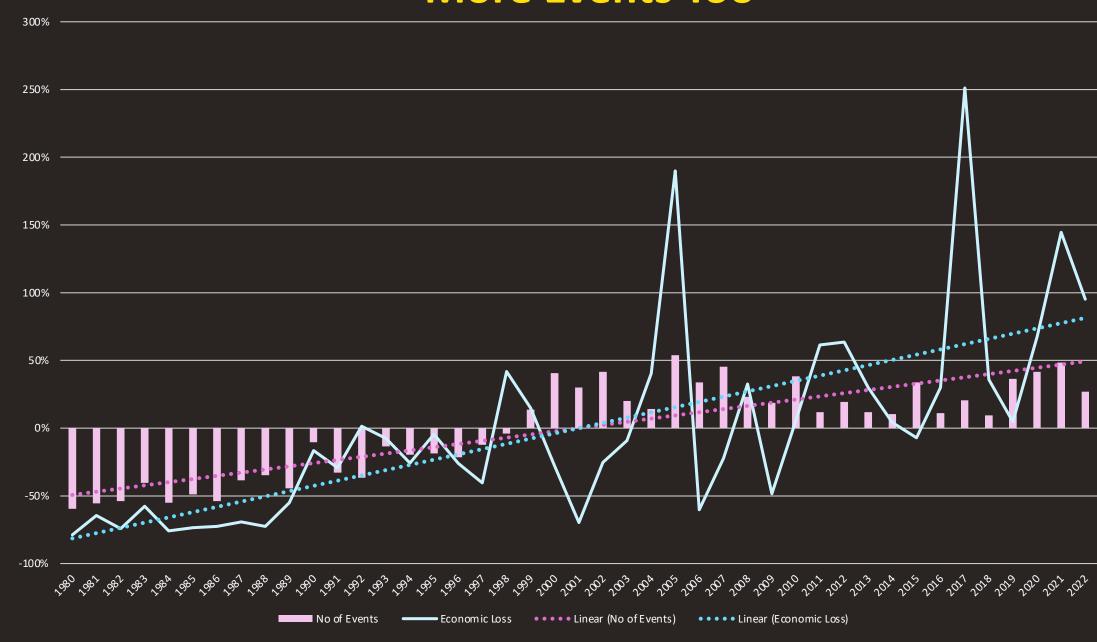




Significant Upwards Trends in Economic Loss

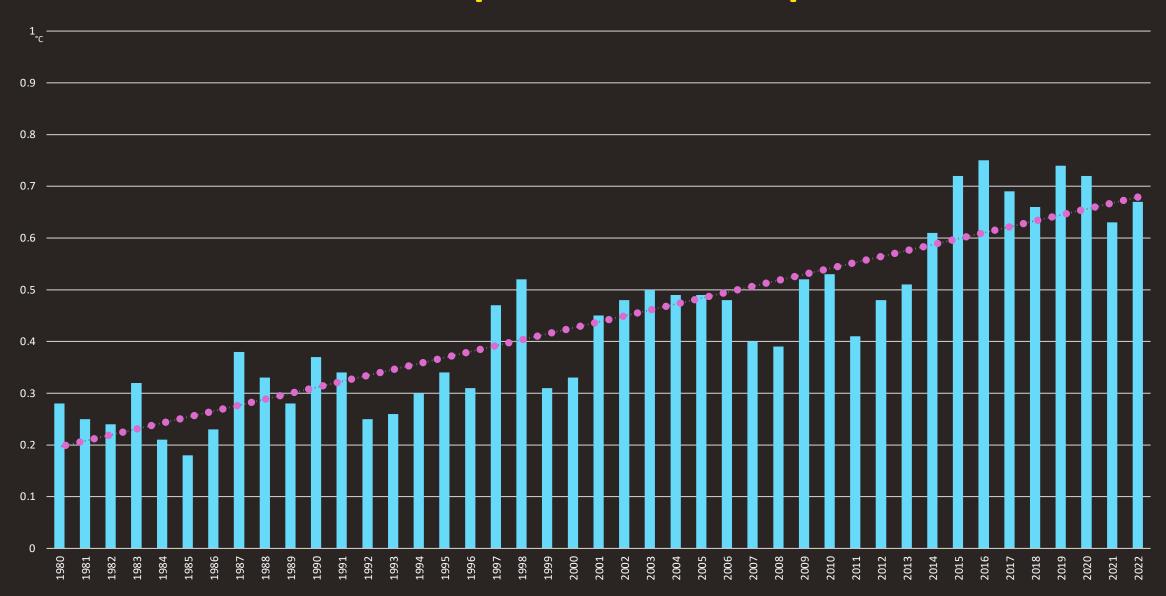


More Events Too





Temperatures Are Up



It's All Climate Change!







Climate Change – A catch all?

What's below the surface



Location Intelligence

Irrespective of what a company hopes to achieve in understanding climate change, climate risk and climate impacts a detailed understanding of the underlying risk cannot be forgotten.

What is it?
Where is it?
What is it worth?

Understanding of other contextual risk factors

Understanding of factors that can change that risk (including climate change and variability)

Changing Exposures – A Visual

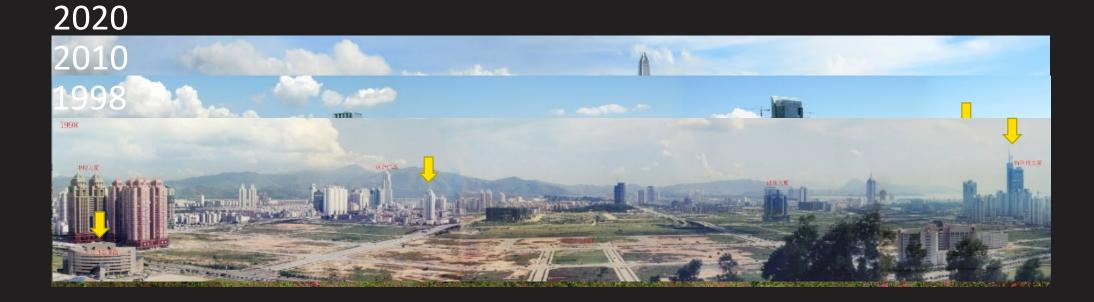
Long Beach, CA (USA)

Fortaleza (Brazil)

Sydney (Australia)



Shenzhen, China – A 22 year growth story



Shenzhen, China

1998



2010



2020



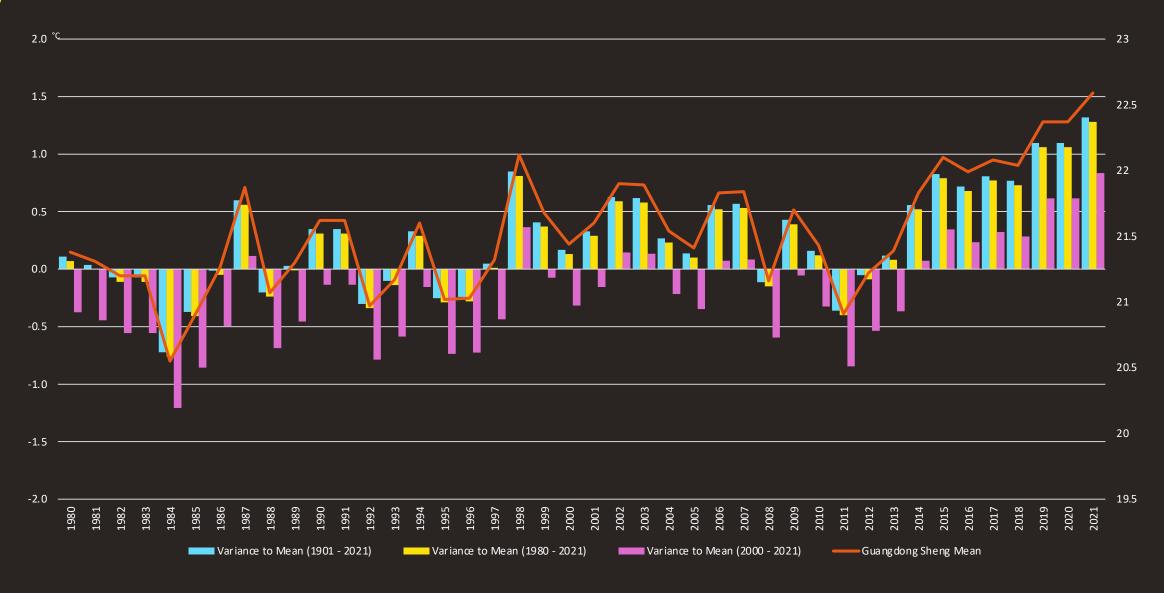


Population and Economic Growth - Trends



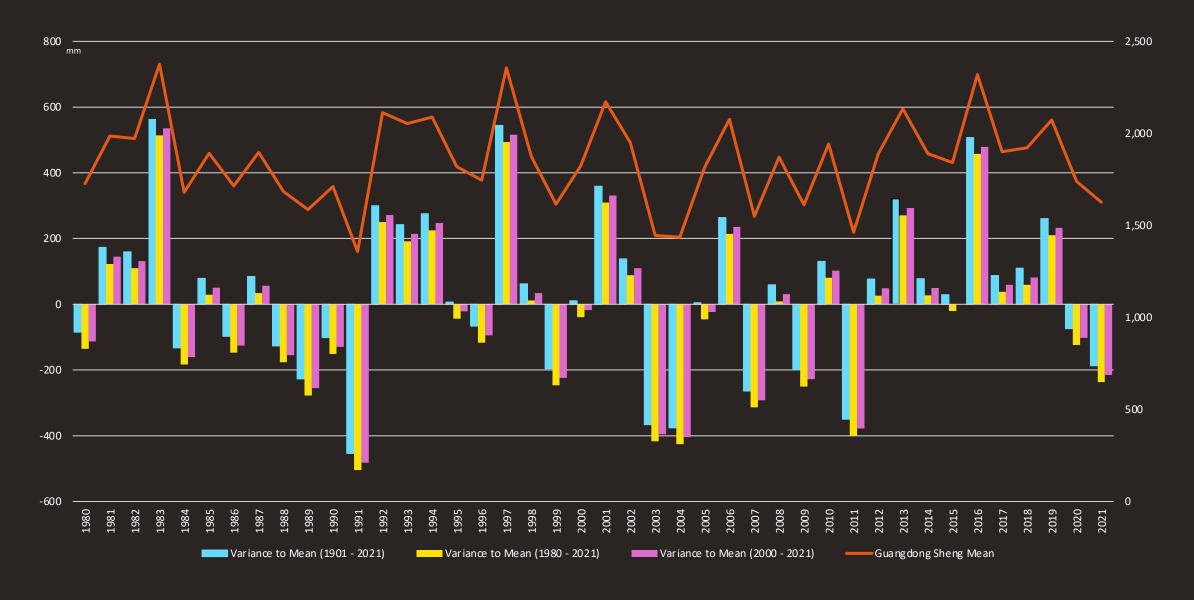


Mean Temperature – Signals?



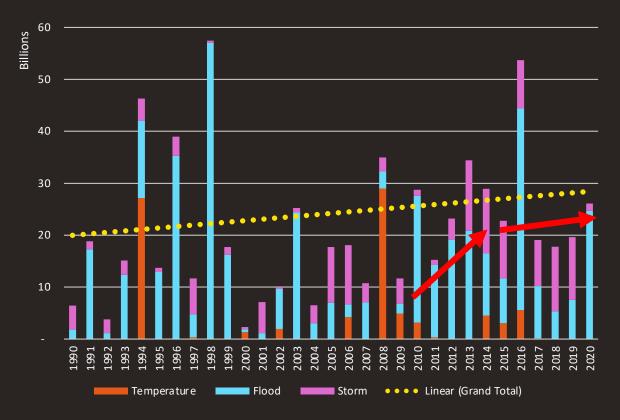


Mean Rainfall – Signals?





Meteorological Events – Loss and Counts



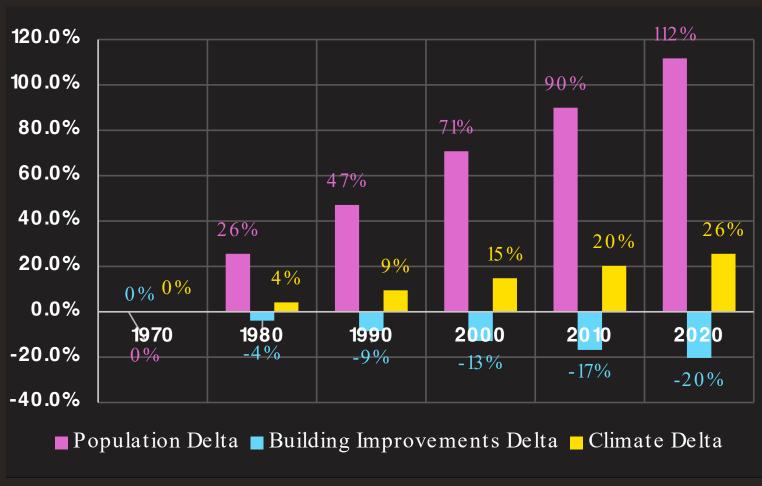




Deltas – What is the potential impact?



"We must acknowledge the humanmade components of both vulnerability and hazard and emphasize the human agency in order to proactively reduce disaster impacts"



So...



No it isn't

It is just more complex than that





There are many pathways to understanding climate change and its impacts on the (Re)Insurance industry



potential

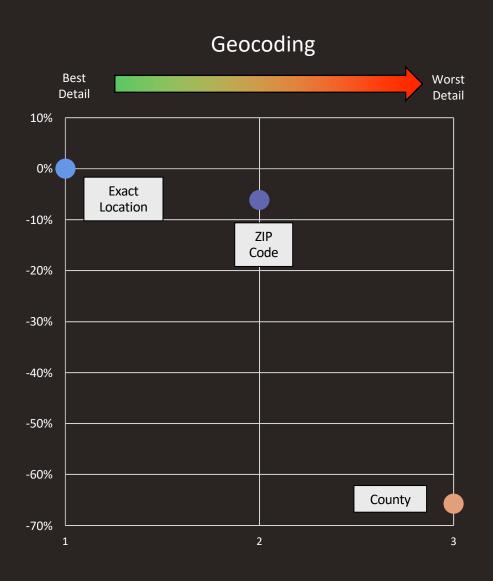
solutions depends on the companies risk profile.





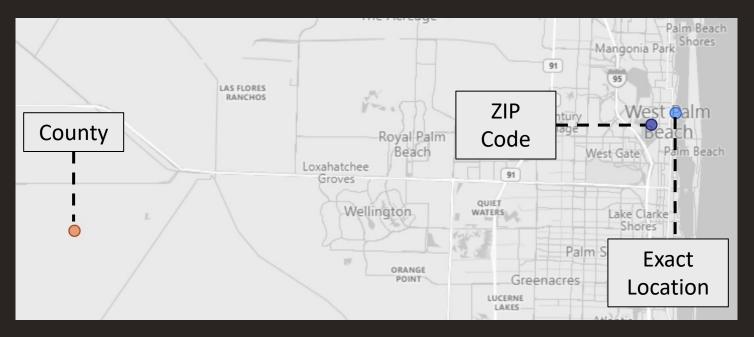


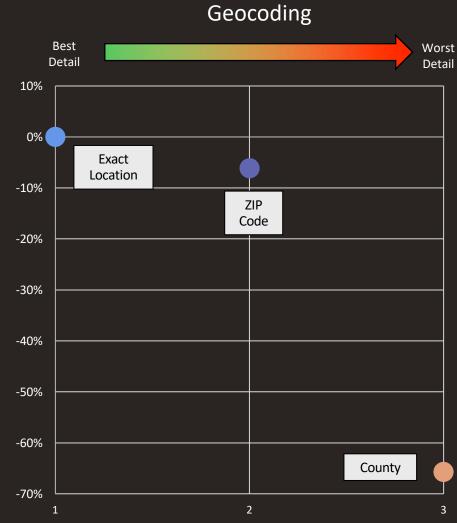
An illustrative example of pricing variance





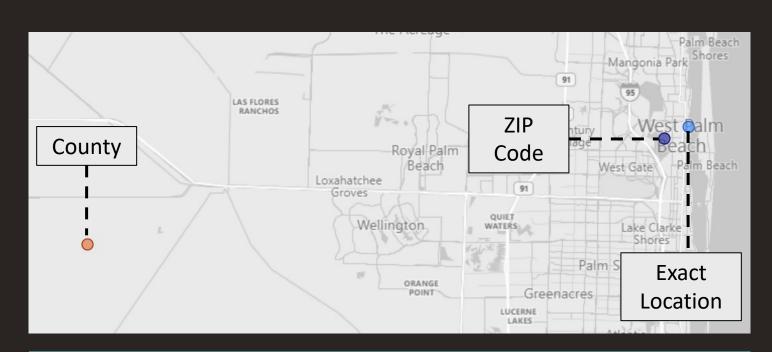
An illustrative example of pricing variance







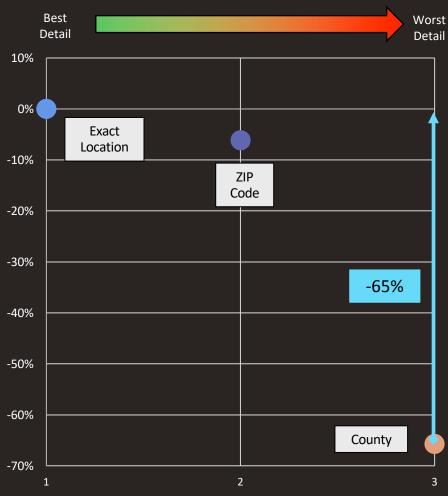
An illustrative example of pricing variance



Without full details of the location you could be significantly under-pricing risk (even without considering Climate impacts)

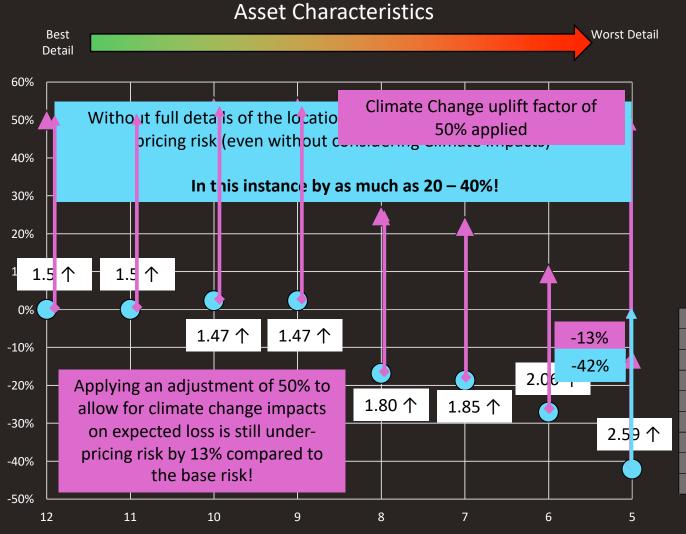
In this instance by as much as 65%!

Geocoding





An illustrative example of pricing variance





Run	Occupancy	Construction	Year Built	No. Stories	Floor Area	Roof Type
12	Yes	Yes	Yes	Yes	Yes	Yes
11	Yes	Yes	Yes	Yes	Yes	No
10	Yes	Yes	Yes	Yes	No	No
9	Yes	Yes	Yes	No	No	No
8	Yes	Yes	No	No	No	No
7	No	Yes	No	No	No	No
6	Yes	No	No	No	No	No
5	No	No	No	No	No	No

Greater understanding, and intelligence gathering on location characteristics leads to a better understanding of risk.

This, combined with the understanding of climate change impacts, can in turn, further a more accurate assessment of the impact of climate change.





Thank You and Please Get in Touch

