

Practice and Prospects of Catastrophe Insurance

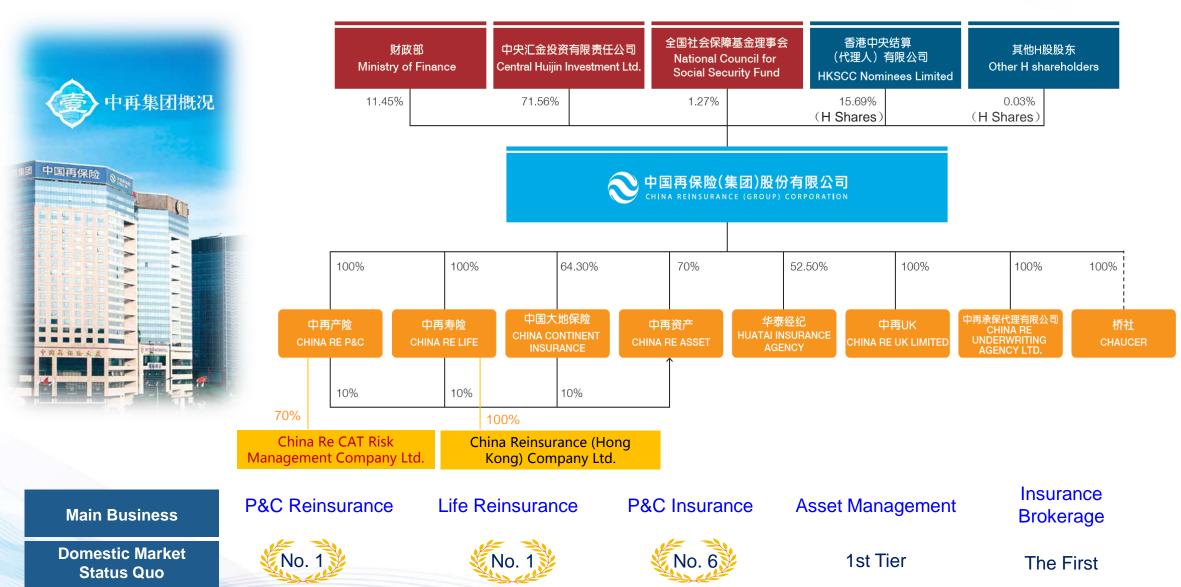
in Response to Climate Change

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China Re is a key player of CAT Insurance and has keen concerns about CAT Related Risks





Climate Change (CC) has caused severe casualties and economic losses



Hai





Global annual average deaths from natural disasters, by period, 1989-2019

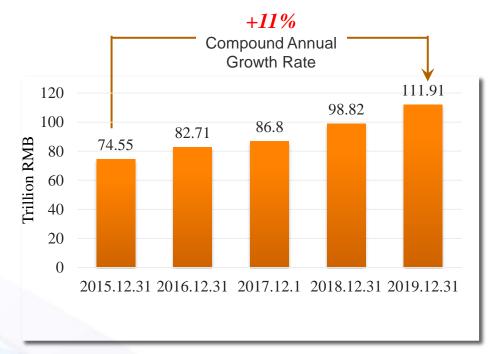
Time period	Annual average deaths per year (persons)			China's annual average deaths as a percentage of Asia (%)	China's annual average deaths in the world (%)
	China	Asia	World		
1989-1998	2920	32204	37382	9.1	7.8
1999-2008	9939	68874	84082	14.1	11.8
2009-2019	1404	10869	41990	12.9	3.3

Global annual average direct economic losses from natural disasters, by period, 1989-2019 (2019 price level)

Time period	Annual average direct economic losses (US\$ 1 billion)			China's annual average deaths as a percentage of Asia (%)	China's annual average deaths in the world (%)
	China	Asia	World		
1989-1998	18.5	52.7	99.3	35.1	18.6
1999-2008	23.5	52.2	126.3	45.0	18.6
2009-2019	23.2	71.9	164.9	32.3	14.1

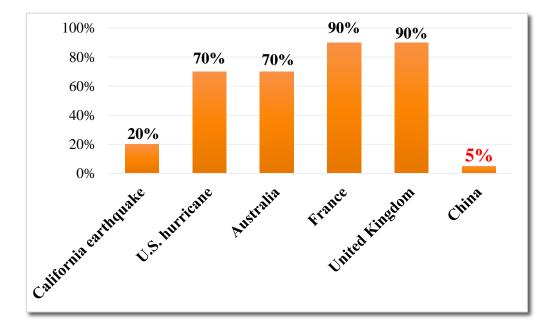
CAT Risk Exposure in China is growing rapidly and calls for CAT Insurance or urgently. The situation will be exacerbated by the Climate Change

The industry risk exposure of typhoon/flood disasters in China has reached trillions of RMB and is growing rapidly.



The industry risk exposure of typhoon/flood disasters in China

The insurance compensation rate in **developed countries is higher than 70%**, however, **in China is less than 5%**.



Insurance compensation rate of each country



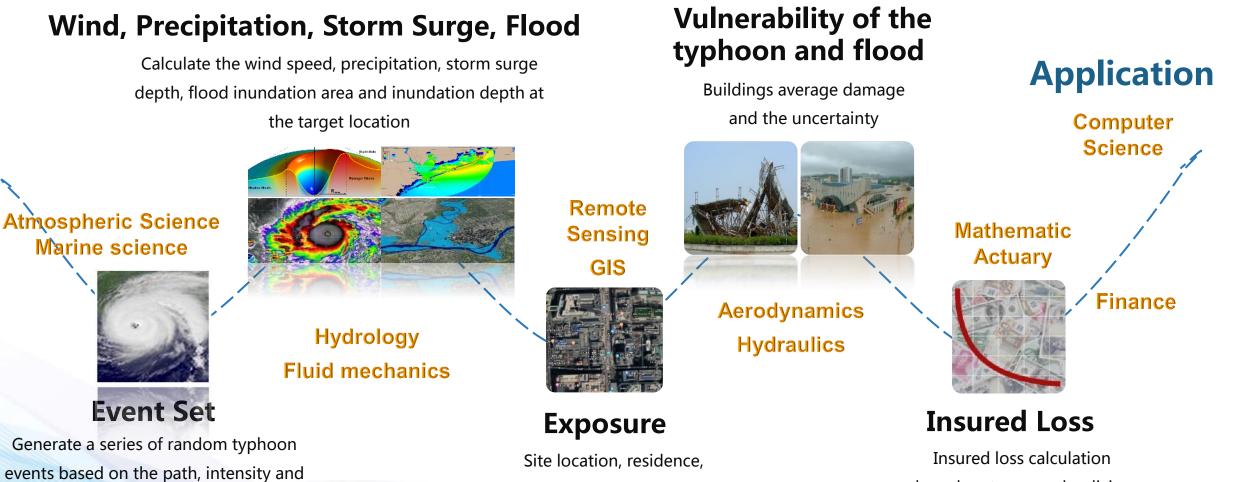


CAT Exposure Database and CAT Models for China are bedrocks to Quantify CAT Risks



based on terms and policies

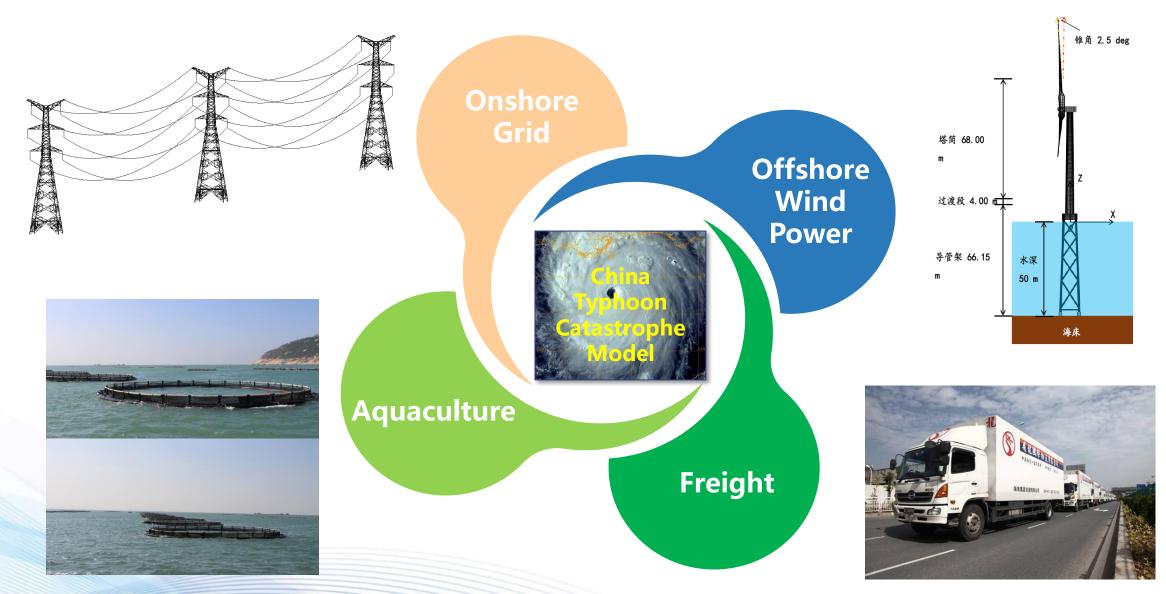
(Insured) Risk = Hazard x Exposure x Vulnerability (x Terms) -



scale of potential typhoons

commerce & industry value

CAT Models provide holistic and scenario-oriented solutions

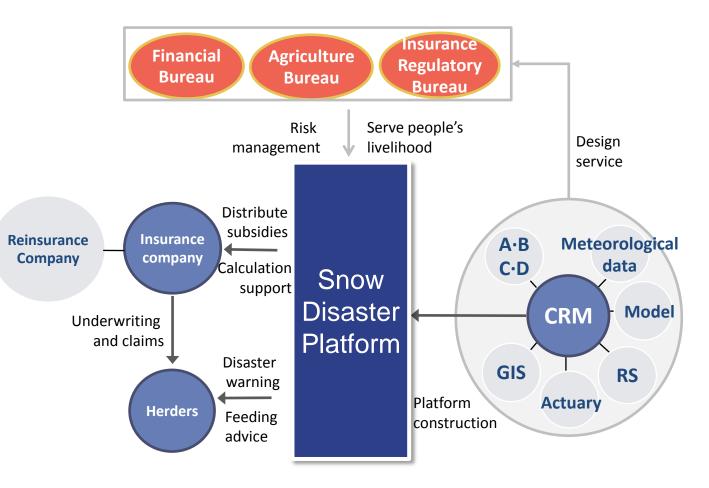


Snow Disaster Digital Platform has been deployed in Qinghai Province



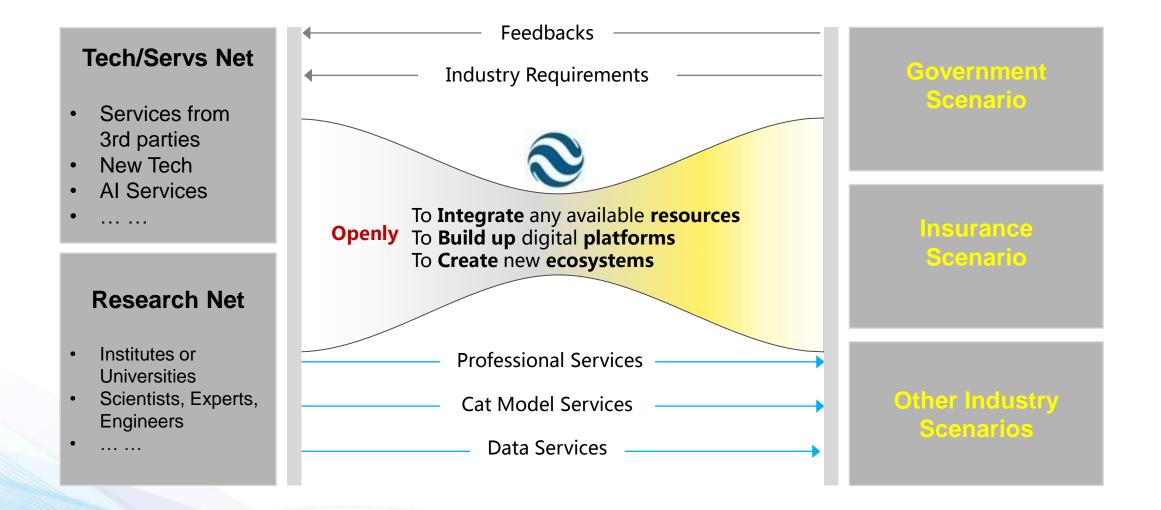
- Case: Risk Management Platform Against Snow Disaster In Grassland Stock Farming
- > Disaster intensity reaches a certain level
- Meets the conditions of claim settlement
- Insurance compensation will be automatically paid to personal account within two days







China Re will include CC researchers openly to innovate Cat Insurance, promoting sustainability in a variety of scenarios



巨灾风险管理 服务国家治理

Bridle Catastrophe Risks | Reinsure Sustainability

