

Economic Losses by Region - 2010

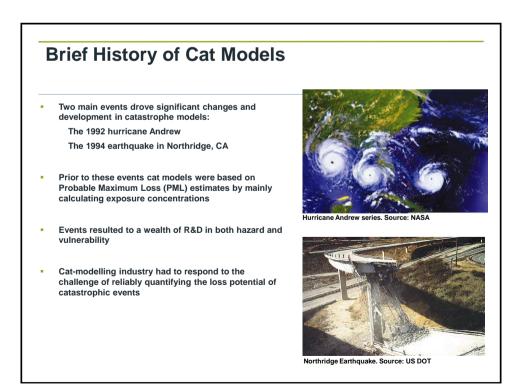
	Economic loss		
Region	in USD m	as a % of GDP	
Asia	74 840	0.28%	
Latin America and Caribbean	53378	1.10%	
Europe	35204	0.19%	
North America	20551	0.13%	
Oceania/Australia	13131	0.95%	
Africa	337	0.02%	
Seas/Space	20623	-	
World Total	218064	0.31%	

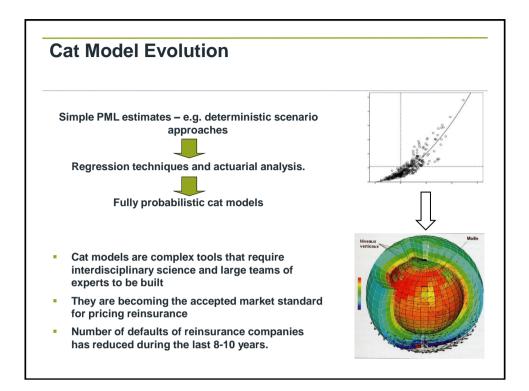
Source: Swiss Re Economic Research & Consulting

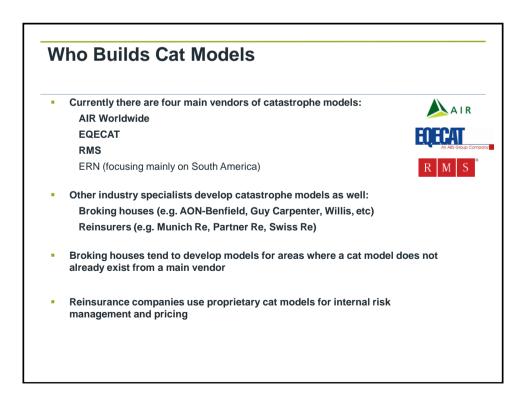
- Total economic loss of \$218 billion for 2010
- Of the \$43 billion of insured losses the split between natural and man-made is:
 \$40 billion Natural
 - \$3 billion Man-made
- 2010 ranks 7th in the last 41 years in terms of insured losses

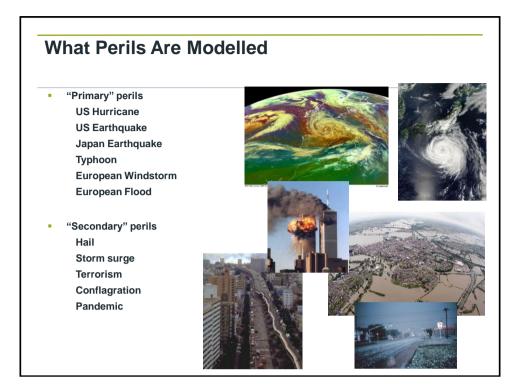
Cat Losses Glo	bally -	201	U			
					Insured loss	
	Number	%	Victims	%	USDm	%
Natural	167	55%	299,127	98%	39,869	92%
Floods	69	23%	11,027	4%	6,393	15%
Storms	63	21%	1,702	1%	20,126	46%
Earthquakes	13	4%	227,050	74%	12,943	30%
Droughts, bush fires, heat waves	9	3%	58,276	19%	10	0%
Cold, frost	10	3%	1,024	0%	397	19
Hail	1	0%	28	0%		0%
Other	2	1%	20	0%		0%
Man-made	137	45%	6,446	2%	3,605	8%
Major fires, explosions	27	9%	783	0%	1,060	29
Aviation disasters	16	5%	820	0%	1,070	29
Maritime disasters	27	9%	1,192	0%	1,262	3%
Rail disasters	7	2%	337	0%	117	0%
Mining accidents	18	6%	903	0%	78	0%
Collapse of buildings / bridges	6	2%	283	0%	-	0%
Miscellaneous	36	12%	2,128	1%	18	0%
Total	304		305,573		43,474	

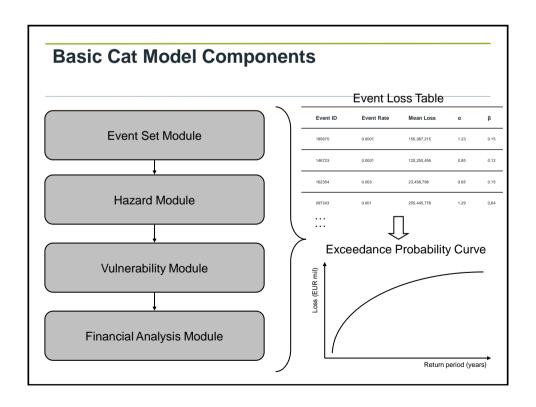
			Country
			US, Gulf of Mexico
-			US, Bahamas
			US
÷ ·			
			US, Caribbean
			US, Caribbean
			US, Mexico
÷ ·			US, Gulf of Mexico
			US, Cuba
-			Japan US. Puerto Rico
		0	Chile
			France, UK, Belgium
			Switzerland, UK, France
			Germany, UK, Belgium
-		,	France, UK, Netherlands
38		Hurricane Frances	US, Bahamas
	Victims 1836 43 2982 61 136 124 35 34 24 51 71 562 95 110 54 22	1836 25-8-2005 43 23-8-1992 2982 11-9-2011 61 17-1-1994 136 6-9-2008 124 2-9-2004 35 19-10-2005 34 20-9-2005 24 11-8-2004 51 27-9-1991 71 15-9-1989 562 27-2-2010 95 25-1-1990 110 25-12-1999 54 18-1-2007	1836 25-8-2005 Hurricane Katrina 43 23-8-1992 Hurricane Andrew 2982 11-9-2011 World Trade Centre 61 17-1-1994 Northridge Earthquake 136 6-9-2008 Hurricane Ike 124 2-9-2004 Hurricane Ike 135 19-10-2005 Hurricane Wilma 34 20-9-2005 Hurricane Rita 24 11-8-2004 Hurricane Charley 51 27-9-1991 Typhoon Mirelle 71 15-9-1989 Hurricane Hugo 562 27-2-2010 Chilean Earthquake 95 25-1-1990 Storm Daria 110 25-12-1999 Storm Kyrill

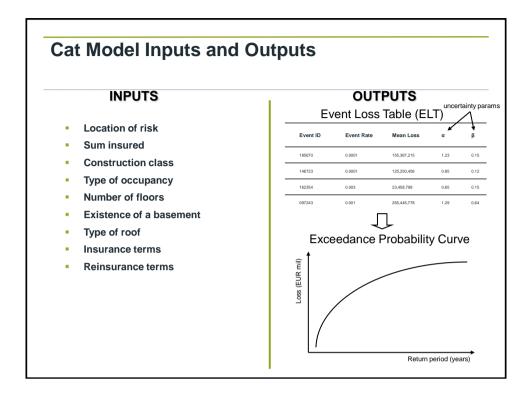


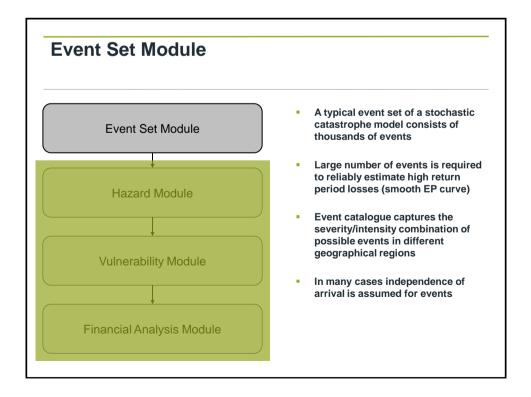


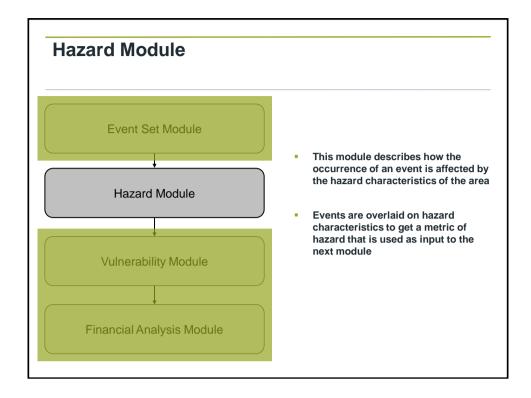


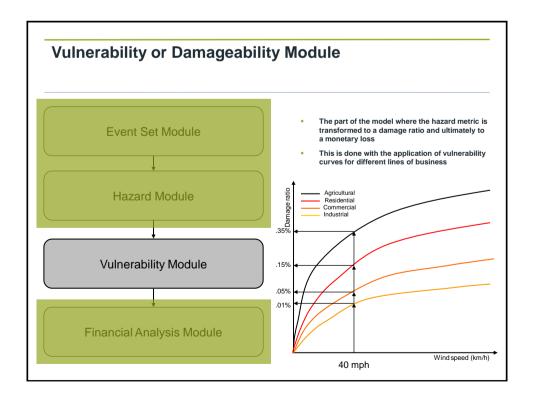


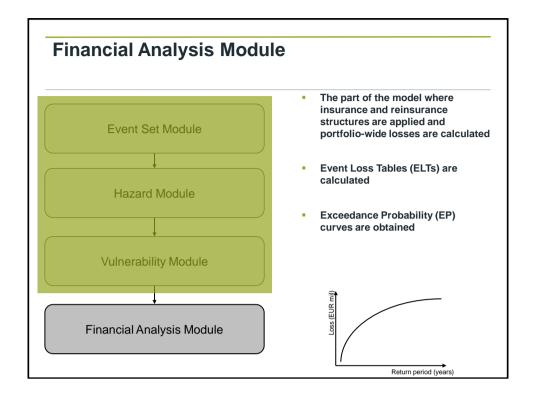


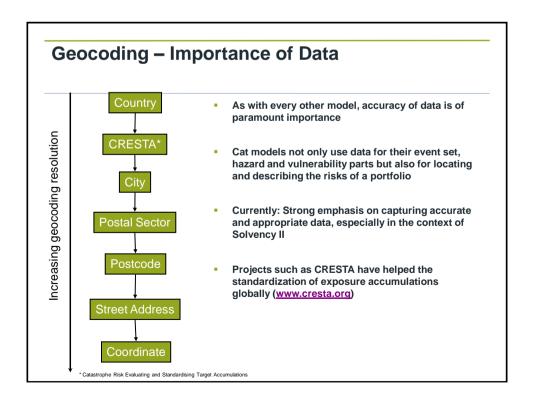












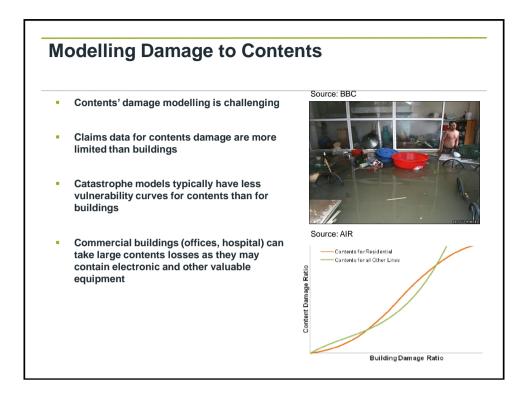
Typical Lines of Business modelled Source: AIR Main Lines of Business (LOB) Modelled: Residential Commercial Industrial Agricultural Source: University of Berkley For each LOB losses break down by: Damage to Buildings (B)

- Damage to Contents (C)
- Business Interruption (BI) or Additional Living Expenses (ALE)

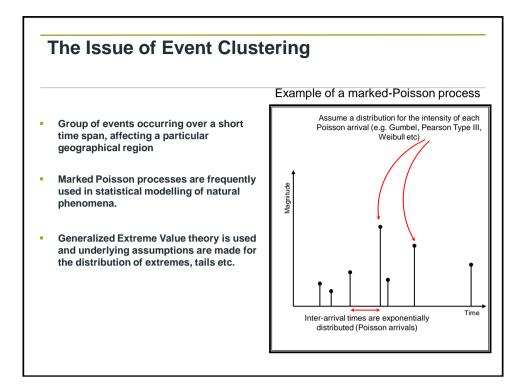


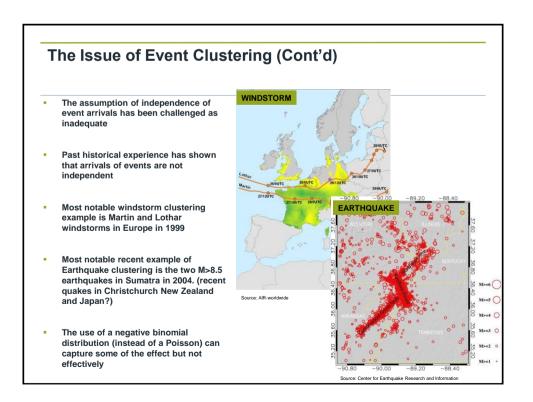


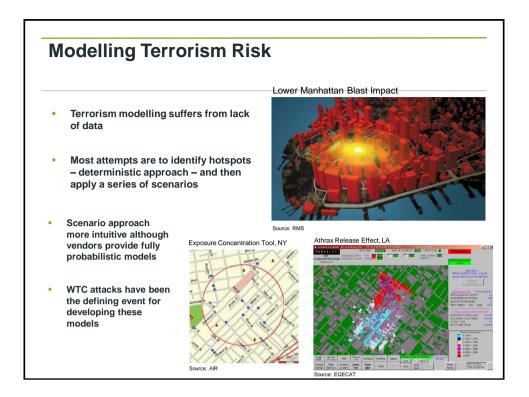
Modelling Damage to Buildings Source: AIF Damage to buildings typically account for the largest proportion of losses Catastrophe models have a suite of vulnerability curves to model damage to buildings for different occupancy classes and construction types For the same type of construction type, commercial and industrial buildings tend to experience lowest damage Residential Agricultural risks are usually the most vulnerable -Commercial structures (e.g. Greenhouse can suffer total Industrial Agricultural losses - Damage ratio of 1 or 100% of SI) Greenhouse For masonry construction type Wind Speed (km/hour)

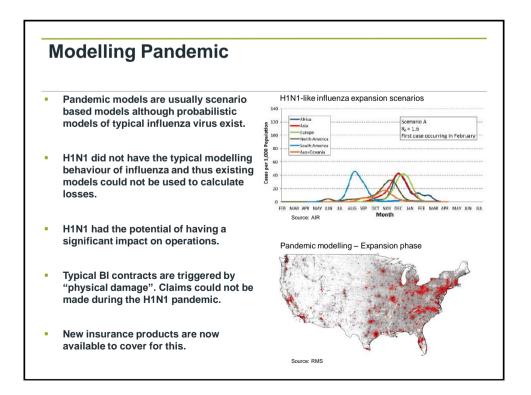


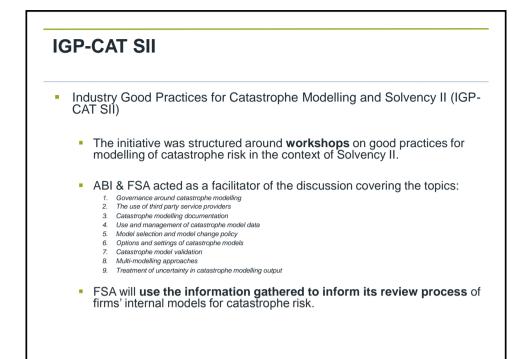


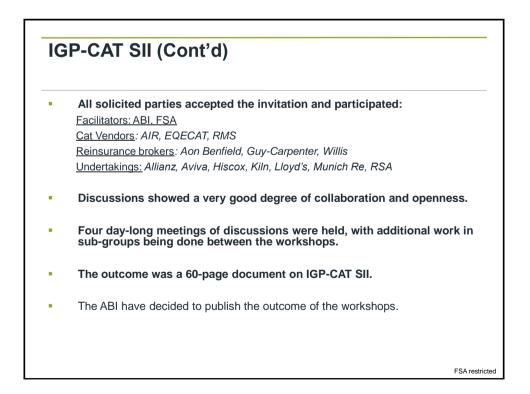


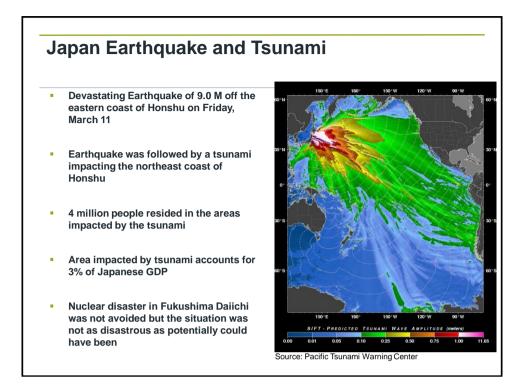


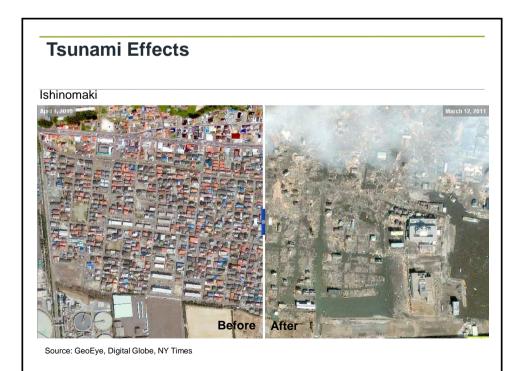


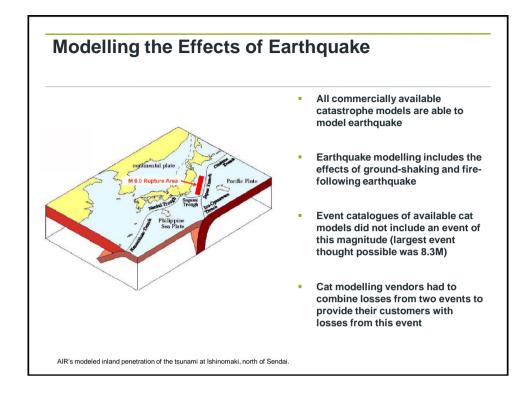


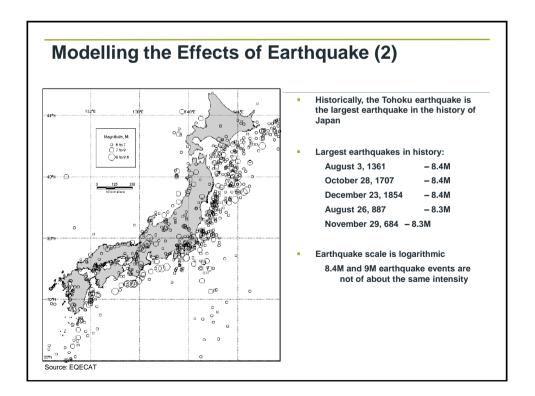


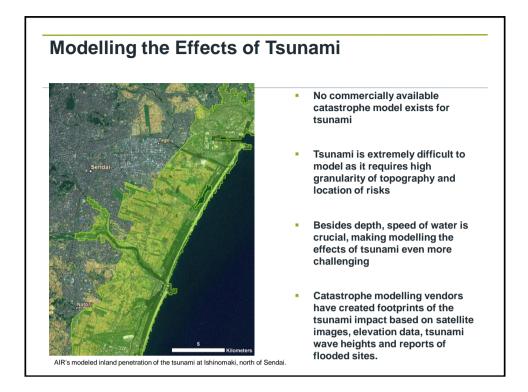


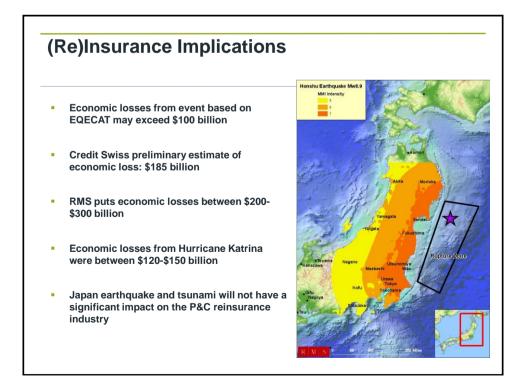












	-	matters	Comparison of losses – Size of economy matters				
Event	Estimated Economic Losses	Country GDP	% of GDP	% of insured losses			
Chile EQ	\$30 bn	\$300 bn	10%	25%			
Christchurch EQ	\$20 bn	\$120 bn	16.7%	75%			
Hurricane Katrina US	\$125 bn	\$13,000 bn	0.96%	58%			
Japan EQ &TS	\$200 bn*	\$5,500 bn	3.63%	10%			
 Japan earthqual 	ke is the single most	costly event see	n globally				
 Size of the Jana 	nese economy is larg	e					

* Estimate does not include any losses coming as a results of the nuclear accident in the Fukushima Daiichi plant

