

Meeting the Future Head On: Responding to Events in Real Time and Upcoming Model Updates

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OVERVIEW

- RMS Event Response Advancements
- What's Driving Recent Losses?
- Update on 2019 Model / Data Releases
 - Version 18.1 Highlights
 - U.S. Wildfire
 - U.S. Inland Flood
 - Pan-Europe Severe Convective Storm
 - Data for Underwriting
 - Cyber Solutions
- What's Coming?

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RMS EVENT RESPONSE IS GLOBAL AND CONTINUOUS





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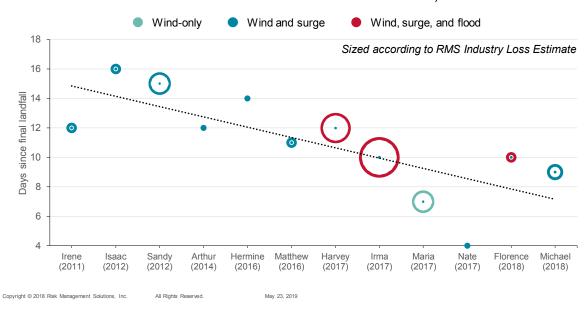
GUIDING PRINCIPLES OF INDUSTRY LOSS ESTIMATES

- Key event response objective is to help clients at a critical time
 - "Our job is to understand the characteristics of an event, and capture as much hazard and damage information as possible, before, during and after an event"
- Every event is unique, thus modeling uncertainties only slowly subside over time
- We take our responsibility to the market and to our clients very seriously
 - Model loss estimates have real-life financial implications for clients, especially in the alternative capital markets
 - Accuracy is top priority, speed is a continual work in progress

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R<u>M</u>S

DAYS TO ISSUE FINAL HU MODELING PRODUCTS, 2011-18

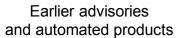




ATLANTIC HURRICANE EFFICIENCY IMPROVEMENTS FOR 2019









Internal web and in-person reconnaissance portal

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RMS GLOBAL FORECAST CENTER

- 24 / 7 / 365 operational coverage
- Led by globally-recognized hurricane specialist Mark Powell
- Operations incorporate wide range of real-time data sources
 - Aircraft reconnaissance
 - Satellite
 - TTU sticknets
 - FCMP towers
 - WeatherFlow network
 - EarthNetworks

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GLOBAL LOSSES



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*insured losses, according to Munich Re and AON



INSURED LOSSES



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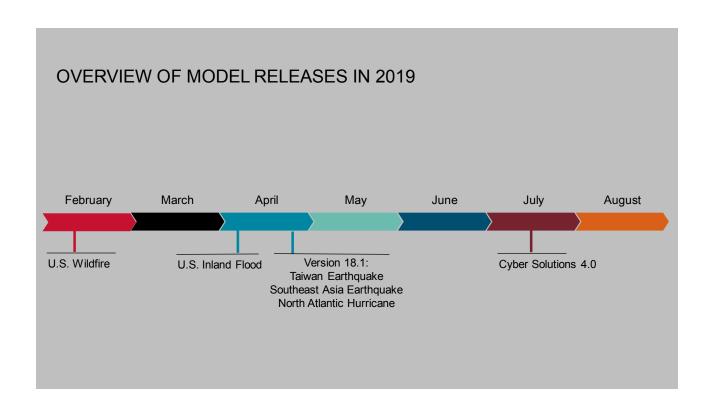
TWO PERILS ATLANTIC HURRICANES CALIFORNIA WILDFIRES







CLIMATE CHANGE CHANGES IN EXPOSURE



Updated **North Atlantic Hurricane** Models

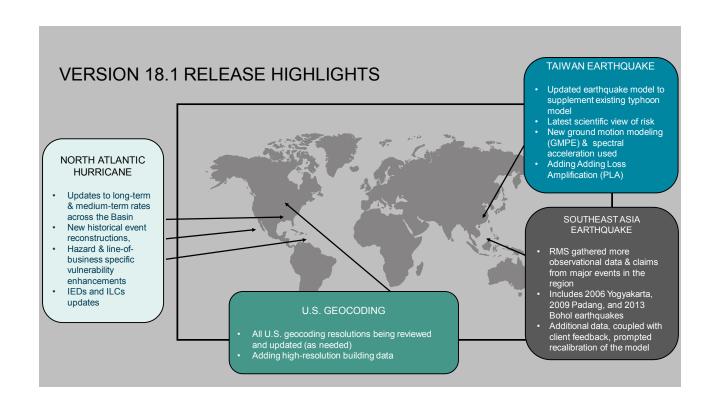
U.S. Geocoding & industry exposure data updates

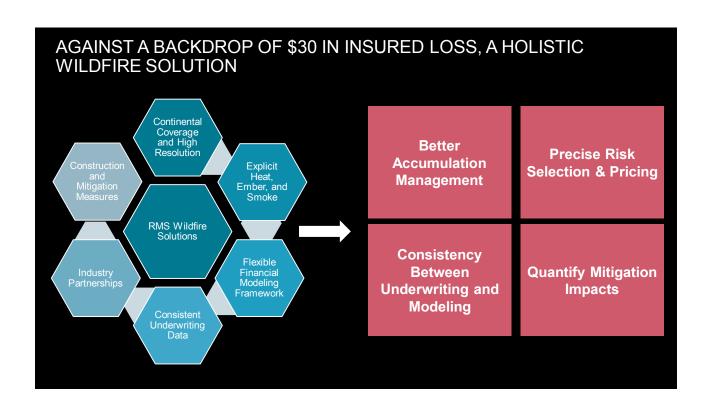
Version 18.1

Spring 2019

Software enhancements but **no schema changes**

Asia Pacific: updates for Taiwan and Southeast Asia Earthquake Models





U.S. INLAND FLOOD MODEL... A UNIQUE SOLUTION

Build innovative products and a diversified portfolio

Competitively price risk in a developing market

Efficient capital deployment for profitable underwriting

Improve management of capital and outwards reinsurance programs





Cyber Solutions 3.1

Cyber Solutions 4

Cyber Solutions 4

Coming in July 2018

Cyber Underwriting Solution

Next Generation Cyber



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SUMMARY

- RMS Event Response improving on response times while maintaining quality
- Dedicated team, global coverage
- Unique 24/7/365 Forecast Centre
- 2019 continues roadmap delivery

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