



Effective catastrophe response is the key to rapid, accurate loss estimation following major events such as tropical cyclones and earthquakes. RMS offers a suite of catastrophe response services that provide real-time scientific information prior to, during, and after major disasters, allowing clients to identify exposure at risk and assess losses quickly and efficiently. Catastrophe response products and services provided through RMS cover all natural and man-made perils and are continually evolving in response to market developments and RMS models.

Effective Catastrophe Response

RMS provides catastrophe response 24 hours a day, 7 days a week for all major disasters around the world that have the potential to cause damage and insured losses, including, but not limited to:

- Earthquake
- Flood
- Hurricane (U.S.), typhoon (Japan), and windstorm (Europe)
- Tornado, hailstorm, and straightline winds
- Winterstorm
- Terrorism

PROBABILISTIC CATASTROPHE RESPONSE FOR WIND PERILS

Effective catastrophe response for all modeled wind perils at RMS is founded in a probabilistic approach based on weighted suites of stochastic event IDs, which are issued every 24 hours as soon as landfall is a threat. Stochastic event IDs are selected on the basis of a storm's landfall parameters and represent the closest match to the storm in terms of landfall location, size, and intensity.

The RMS® Stochastic Exceedance Probability (STEP) tool is specifically designed to assist clients in analyzing losses following an event. RMS also issues industry loss estimate ranges within 48 hours of major events, providing a detailed perspective on modeled and non-modeled losses and how they could escalate over time. Probability-based estimates result in a far better quantification of the potential loss and uncertainty that exist in the immediate aftermath of a landfall than a single mean loss based on a deterministic approach can provide.

RISK ONLINE®

The RiskOnline service allows clients to track live hurricane loss estimates online as storms approach land. Every six hours, following every National Hurricane Center advisory, RiskOnline automatically updates probability distributions for U.S. insurance industry losses and for participating companies' portfolios. Results are viewable over the Internet at www.riskonline.com, offering subscribers secure, around-the-clock access to the risk metrics they need to monitor and trade risk in real time. RiskOnline uses a probabilistic loss forecasting approach based on an innovative blend of meteorological forecasts and

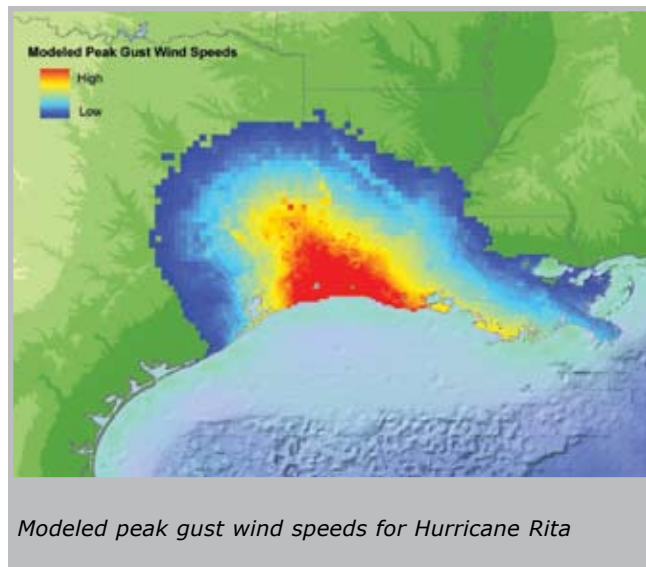
ADVANTAGES OF RISK ONLINE

- Reliable, automated analyses
- Transparent probabilistic loss forecasting
- Around-the-clock updates, every few hours
- Time savings through outsourced processing
- Convenient access to results over the Internet
- Multiple perspectives on real-time risk
- Synchronized with RMS Cat Updates

statistical storm behavior inferred from historical activity. The model reflects current meteorological conditions affecting storm behavior through a probabilistic simulation of possible storm paths and intensities, generating the most comprehensive loss forecast possible. This blended approach leads to consistently more accurate and stable results than those produced using meteorological forecasts or simulations from historical statistics alone.

IDENTIFYING EXPOSURE AT RISK

RMS Cat Updates, in conjunction with RiskLink®, RiskBrowser®, or RiskManager accumulation management capabilities, provide the tools needed to perform real-time accumulation analysis following an event. Accumulation footprints are provided at RMS variable resolution grid (VRG), postcode, or county resolution during catastrophe response after all major events, allowing clients to identify their exposure at risk and assess the geographical areas where claims analysis teams should be sent. For perils such as flood and severe convective storm, and in regions where it remains challenging to identify hazard areas from freely available information alone, RMS offers enhanced accumulation footprints constructed from a combination of aerial, satellite, or radar data to allow for a higher resolution of analysis and greater accuracy of accumulations.



RAPID RESPONSE ANALYSIS SERVICE

In the event of a major catastrophe, RMS provides rapid response for portfolio preparation and analysis, working closely with clients to assess their individual requirements and define thresholds for response. The service is designed to offer results within 24-48 hours of an event and provides numerous benefits, including:

- Data preparation and validation prior to events
- Confident triangulation to external reporting
- Understanding key drivers of loss relating to the event
- Quick assessment of likely claims volumes and locations
- Standardized output
- Access to expert advice and online briefings

Rapid response provides fast reporting of results, and the confidence of quality results offered by RMS. The service allows clients to better utilize internal resources by outsourcing crucial analyses that must be completed within a critical timeframe in the immediate aftermath of a catastrophe.

