

Aon Benfield Analytics

Catastrophe Modeling

Aon Benfield has set the industry standard in managing catastrophe exposures. Since creating the industry's first probabilistic catastrophe loss estimation model, the company continues to deliver advanced analytics and superior service to its clients.

Aon Benfield pioneered the use of catastrophe models during the late 1980s with the first commercially successful model in the industry.

Aon Benfield's modelers thoroughly analyze property and workers' compensation portfolios to provide a complete spectrum of services including data collection, data cleansing, analysis of modeled results, accumulation analyses, "what if" scenarios, and catastrophe alerts containing the latest projections of storm path and intensity. The team can issue real time industry analysis and client-specific loss estimates within 24 hours of an earthquake, and immediately prior to and after a hurricane landfall.

Beyond being expert users of all major models, our results interpretation provides clients with a comprehensive view of their portfolio. The team is in regular dialogue with all major modeling firms, and provides clients with detailed explanations of model changes and their potential effects.

Catastrophe Modeling Tools and Innovative Applications

- **ExposureView™** Proprietary analytics and risk mapping platform that enables clients to visualize and quantify the potential impact of a catastrophic event
- **Single Risk ModelingSM** An ExposureView feature that allows clients to quickly obtain accurate and comprehensive modeled loss results for a single location policy before it is bound
- **Dynamic Portfolio Optimization™** Analytical tool that quantifies the specific impact each policy has on a company's probable maximum loss (PML), and also considers the correlation of expected losses between each risk
- **Scenario PML Analyzer** Web based product that empowers clients to create their own "what if" growth or reduction scenarios and evaluate the impact on premium, AAL, policy limit, risk count, and PML at customized returns
- **CatMetrics™** Suite of post-modeling analytic tools to estimate pricing, risk loads, and ROE of catastrophe excess of loss and aggregate reinsurance programs
- **Reinsurance Cost Allocation** Analysis used to examine the contribution of insurance portfolio segments, such as line of business or business unit, to the overall cost of reinsurance

AON BENFIELD

www.benfieldremetrics.com

Pointing the way forward with
expertise and technology that optimize your
risk management strategies.

Leaders in analytics innovation.

