



# Verisk in Asia Pacific



The Asia-Pacific region accounts for almost half of the estimated global economic cost—close to USD 1 trillion—caused by natural disasters since the early 1990s. Verisk offers a comprehensive suite of models, software, and consulting solutions to help companies manage your extreme event risk and discover new opportunities in this region.

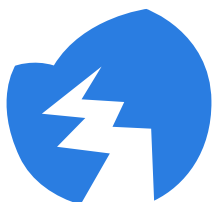
## Countries We Model

- Australia
- Brunei
- Mainland China
- Guam
- Hong Kong
- India
- Indonesia
- Japan
- Macau
- Malaysia
- New Zealand
- Philippines
- Saipan
- Singapore
- SOPAC
  - (Cook Islands, Fiji, Federated States of Micronesia, Kiribati, Marshall Islands, Nauru, Niue, Palau, Papua New Guinea, Timor Leste, Rivalu, Solomon Islands, Soma, Tonga, Vanuatu)
- South Korea
- Taiwan
- Thailand
- Vietnam



## Modeling Capabilities

Our scientists and engineers combine simulations of the natural occurrence patterns and characteristics of tropical cyclones, earthquakes, floods, and other catastrophes with information on property values, construction types, and occupancy classes. Model output provides information concerning the potential for large losses before they occur so that companies can prepare for their financial impact.



### Earthquake

We use a variety of information—including historical catalogs and GPS data—to model seismic risk. Subperils may also include fire following, landslide, liquefaction, and tsunami.



### Tropical Cyclone

Our typhoon models capture the effects of wind, rain, and for many countries, storm surge. Basinwide modeling in the Northwest Pacific enables companies to estimate losses seamlessly for policies and portfolios that span multiple countries.



### Agriculture

The Verisk Agricultural Model for China estimates weather losses to China's major crops and diseases losses to livestock. The India Multiple Peril Crop Insurance (MPCI) Model estimates losses for the major insured kharif and rabi crops.



### Flood

Flood hazard maps, available in the Geospatial Analytics Module of Touchstone, provide location-level visual intelligence to support informed underwriting decisions and risk-based pricing.



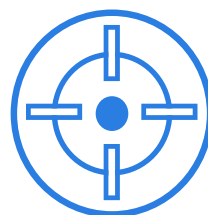
### Bushfire

The Verisk Bushfire Model for Australia incorporates the factors that drive fire ignition and spread, and explicitly captures the tendency of bushfires to cluster in space and time.



### Severe Thunderstorm

Our severe thunderstorm model for Australia captures damage from the sub-perils of tornado, hail, and straight-line wind. It provides full spatial coverage of potential events, even in the absence of comprehensive historical data.



### Terrorism

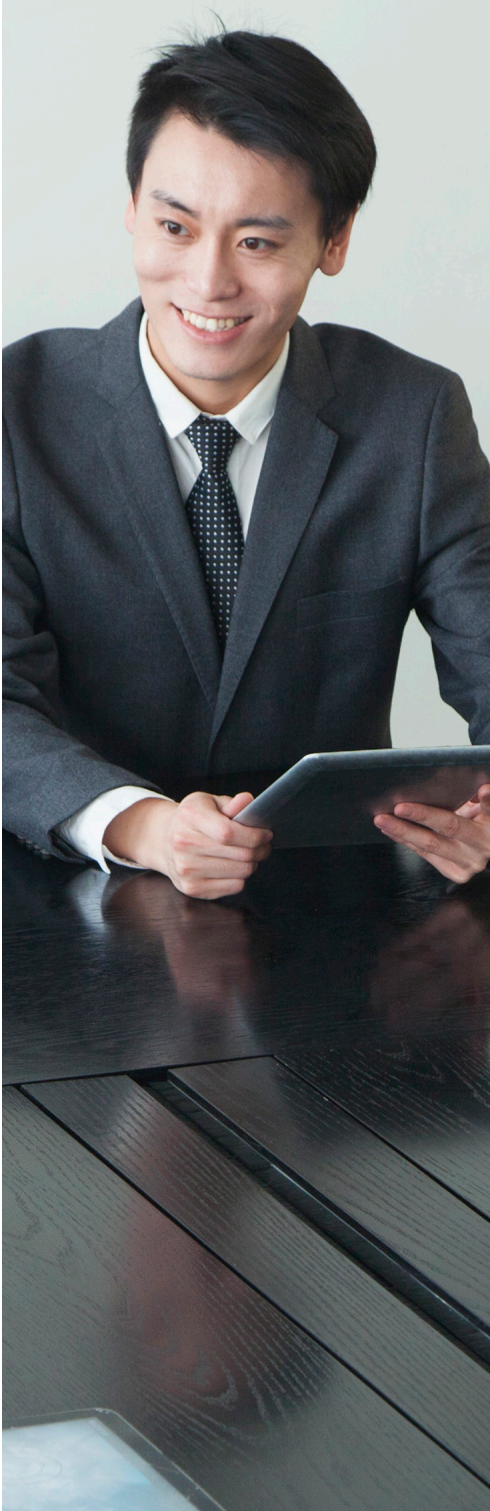
Users of the Geospatial Analytics Module in Touchstone can import exposures and perform concentric ring analyses to view accumulations of replacement value and exposed limits and to apply user-defined damage ratios—anywhere in the world.



### Pandemic

Southeast Asia is one of the most likely pandemic ignition regions in the world, and pandemic disease can spread extremely quickly in today's highly interconnected world, as COVID-19 has shown. Our model provides a fully probabilistic solution to estimating mortality and life insurance losses.





## Core Offerings

### Touchstone®

Touchstone is an intuitive, powerful, flexible, and fast extreme event risk management platform. Its customizable interfaces, streamlined database structures, and award-winning geospatial analytics enable you to better understand your results and improve your risk management decisions.

Highlights:

- Harness the power of Verisk's industry-leading extreme event models
- Understand exposure accumulations and improve the quality of your exposure data
- Perform advanced sensitivity testing
- Consider alternative views of risk and account for the impact of climate change
- Manage global exposure to both modeled and non-modeled perils
- Gain insight into sources of uncertainty and how to manage them
- Generate the information you need when you need it

### Touchstone Re™

Touchstone Re allows you quantify and manage the loss potential of reinsurance contracts and portfolios enabling you to manage your pricing and portfolio management workflows as never before.

Highlights:

- Access all the core Verisk catastrophe models through the latest technology combined with the same speed, performance, and scalability as Touchstone
- Visualize and model the losses of complex contract structures with easy-to-use drag and drop functionality
- Roll up your portfolios and view your overall risk aggregation
- See a bird's-eye view of your exposures, with enhanced mapping capabilities that enable you to quickly toggle between a global view and other resolutions, down to the subarea
- Save time with automatic data transfer from Touchstone into Touchstone Re
- Write more business and benchmark portfolio risk relative to the industry by leveraging Verisk's industry exposure databases
- Integrate analytics into your internal applications by leveraging Touchstone Re APIs

## Additional Offerings

### Arium

Arium's portfolio modeling software provides a framework to measure enterprise-wide casualty risk and monitor that risk over time. Our large database of casualty scenarios provides the broad event coverage needed to capture your risk across all business units and major casualty lines of business. With Arium you can analyze and quantify the impact of many types of events such as financial, infrastructure, energy, construction defect, and large product liability events.

### Consulting

Verisk solutions extend far beyond models and software to a wide range of consulting services tailored to the needs of today's sophisticated risk managers. Our vision is vast and our focus is you. Get access to local Verisk experts through our Beijing, Hyderabad, Singapore, and Tokyo offices. Our consultants work with you one-on-one to ensure you understand how catastrophe loss information can best be used to inform a wide range of business decisions.

Our consulting services include:

- Catastrophe risk assessment and management
- Exposure data consulting
- Regulatory support
- Portfolio management and optimization
- Risk transfer (reinsurance and securitization)
- Process improvement and training
- API analytics integration
- Climate change risk management
- Underwriting and pricing enhancement



**To learn more, please contact your Verisk representative**



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