

Organising our Service Offering

In a changing world, being equipped with functional risk solutions to assess and quantify catastrophe risk is paramount. The Willis View of Risk (WVoR) assists clients by working through the range of models to establish their own internal view and more accurately understand, communicate and efficiently mitigate their own risk. Our offering supports risk management decisions that influence capital management within the insurance lifecycle through the six pillars of **Own View of Risk, Reinsurance, Portfolio Optimisation, Innovation, Regulatory and Research Partners.**

 Own View of Risk Enabling clients to own their View of Risk	 Reinsurance Empowering clients to make better risk transfer decisions	 Portfolio Optimisation Enhancing portfolio management for better profitability
 Innovation Bespoke solutions to better understand and quantify risk	 Regulatory Solutions to support regulatory submissions	 Research Partners Practical application of the latest science to business needs

Research Partners

Willis Re has a long history of partnering with academic and research institutions by supporting and influencing science to progress the understanding and quantification of risk, with the aim to improve the resilience of our clients and society as a whole.

 Global partners, local expertise We drive research by partners in science, academia, think tanks and the private sector, combining specialist expertise with state of the art knowledge across our global network.	 Innovative, long-term partnerships We form long-term, innovative partnerships with the research community.
 Understanding of risk Our partnerships identify risks, improve their understanding and quantification for the benefit of our clients and society.	 Transmission mechanism Our dedicated team brings best practice research and evidence into our client proposition: risk models, advice, thought-leadership, insights and events.



Contact us

How can we help?

To find out more, please contact your local client advocate or Catastrophe Analytics associate

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View of Catastrophe Risk
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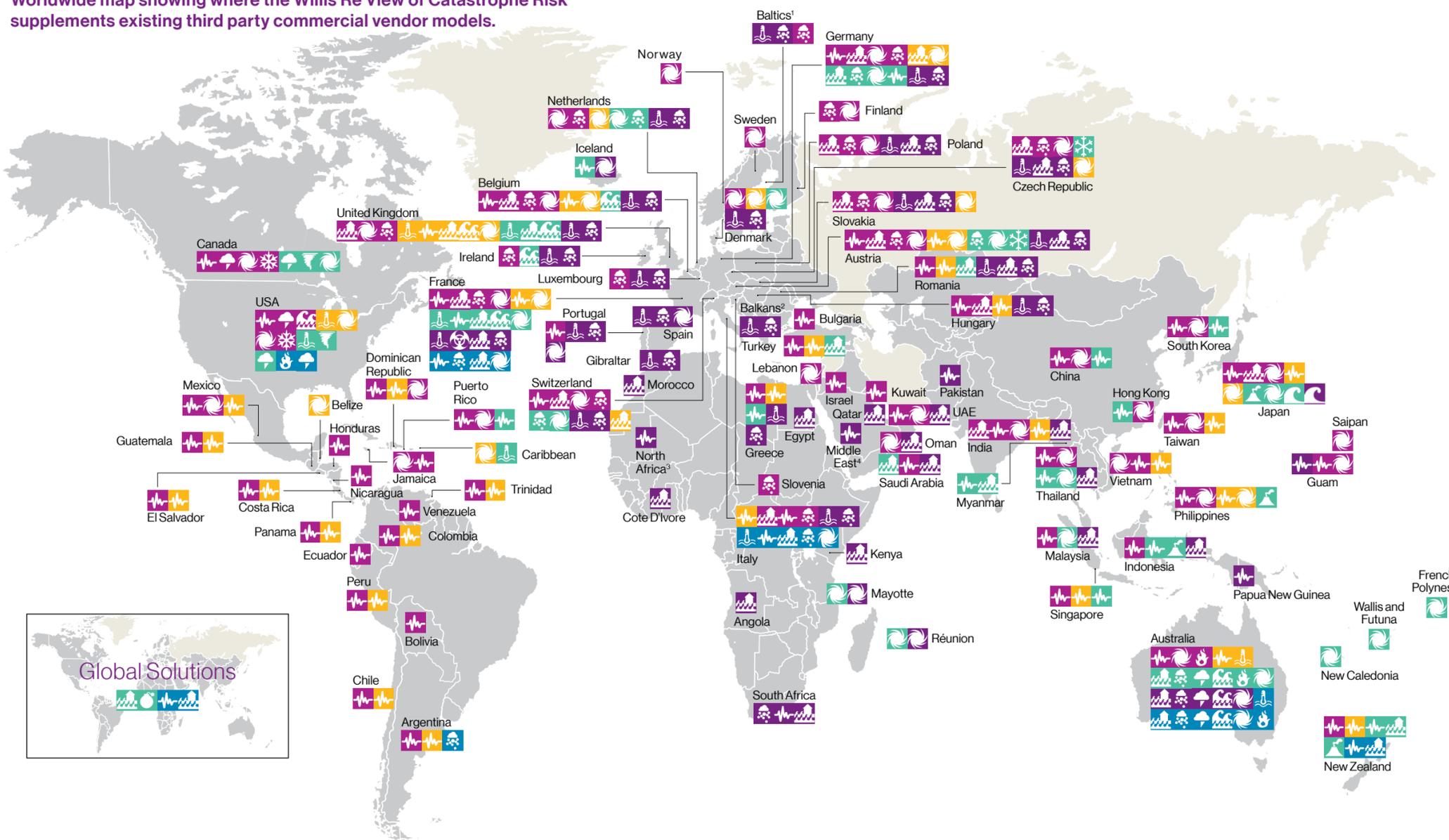
We have developed the Willis Re View of Catastrophe risk for all major perils and territories globally.

We license a wide range of third party commercial vendor catastrophe models to help our clients quantify risk. These models are complex risk quantification tools that are based on extensive scientific analysis. Despite this, there have been unexpected shocks when major loss events have occurred. We seek a full understanding of what is and isn't captured in these models and how to consider the complexities and uncertainties in catastrophe risk modelling. This enables our clients to more accurately understand, communicate and efficiently mitigate their own risk.

We continually enhance our coverage and have recently added:

- Expansion of climate change solutions for Australia, Europe and the US in response to increased regulatory demands and a drive to build resilient businesses
- Model adjustments developed across Asia, Europe and Latin America to extend the availability of alternative views of risk to assist with regulatory submissions and support risk transfer decisions
- A new South Africa hail model to provide a comprehensive and robust View of Risk for the region

Worldwide map showing where the Willis Re View of Catastrophe Risk supplements existing third party commercial vendor models.



We take a dual approach:

- Enhancing and validating existing models: In established catastrophe markets, we implement appropriate adjustments after in depth study and comparison of all the model components.
- Building new models when needed: Where no well-established models exist, we build them. We take advantage of our in-house expertise, and draw directly on the broader external academic resources of our Research Partners.

“How our clients use modelling, whether for regulation, reinsurance or underwriting, demands a framework which combines expertise and clarity. Our unique approach provides independent and insightful advice, cutting through the increasing complexity of the risk modelling challenges facing our clients.”

James Kent
Global Chief Executive Officer, Willis Re

Applying Catastrophe Analytics to your needs

The integrated team draws on the experience of more than 200 colleagues worldwide who are dedicated to quantifying and interpreting the risk posed by natural or man-made hazards.

Our specialists provide you the best of local and global knowledge to deliver bespoke services wherever they are needed. Our analytical approach helps you customise your View of Risk, to address a range of business challenges; from reinsurance decision making and regulatory responses, to portfolio management and optimization.

Model evaluation and adjustment

The analysis, evaluation and adjustment of models is becoming increasingly important and complex. Each major event allows us to better understand how catastrophe models perform and where they are limited. We combine our in-house peril expertise with input from our Research Partners, to implement a structured, scientific and comprehensive catastrophe model validation framework for our clients. This includes insights from dialogue between our specialists, our clients and the model vendors. Our tailored adjustments help our clients develop and apply their own View of Risk to areas including regulation, capital allocation and determining risk appetite.

New model development

Our focus on building catastrophe models is where gaps exist and there are no reliable risk quantification tools, or where existing tools do not reflect the needs of our clients and markets. Through collaboration with local experts as well as our Research Partners, we apply the latest, most relevant science to build practical solutions. Our clients are able to deploy a View of Risk where information was lacking before, develop a competitive edge, and embrace growth opportunities with confidence, including in new markets and for new perils.

- Climate
- Earthquake
- Flood
- Hail
- Pandemic
- Severe Thunderstorm
- Snow Pressure
- Storm Surge
- Terrorism
- Tornado
- Tsunami
- Volcano
- Wildfire
- Wind
- Winterstorm
- Coverage

Vendor Model Validation

Vendor Model Adjustment

Willis Scenario-based Model

Willis Probabilistic Model

Willis Underwriting Solutions

¹Baltics – Estonia, Latvia, Lithuania
²Balkans – Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Macedonia, Moldova, Montenegro, Serbia, Slovenia
³North Africa – Algeria, Egypt, Libya, Malta, Morocco, Tunisia
⁴Middle East – Bahrain, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, UAE, Yemen