

Willis Re View of Catastrophe Risk

Reinsurance

Application of analytics to reinsurance continues to grow in importance, regardless of market conditions

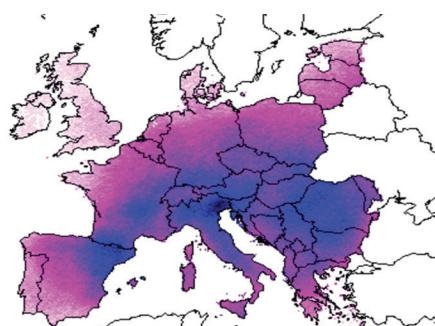
Reinsurance is a fundamental component of capital management, with a variety of risk transfer decisions being underpinned by analytics. Innovators embracing the latest science differentiate themselves from the competition by customising their Own View of Risk. We assist in developing this view by delivering clear advice at multiple touch points ranging from portfolio management through to reinsurance optimisation. As the analytical broker, our bespoke approach gives clients confidence in making informed choices, communicate them clearly to all stakeholders, and achieve the best results with catastrophe analytics.

Best decisions	Effective marketing	Optimal outcome
<p>Making informed choices</p> <ul style="list-style-type: none">Embedding analytics into our broking workflow makes the complex simpleDelivering a suite of tailored analytical solutions and advice to establish your Own View of RiskLinking long-term strategic goals with analytics to cover the whole insurance lifecycle	<p>Transparency in our solutions</p> <ul style="list-style-type: none">Helping you better understand existing models and new solutionsDistilling knowledge to support clear and concise internal regulatory reportingEstablishing a dialogue with markets to educate them on the view of risk adopted	<p>Analytics made fit for purpose</p> <ul style="list-style-type: none">Forming a view of risk based on the latest science leads to confidence from the marketEnhanced risk quantification combined with market discussions enables increased participationAligning markets with your adopted view of risk

Embedding analytics into reinsurance

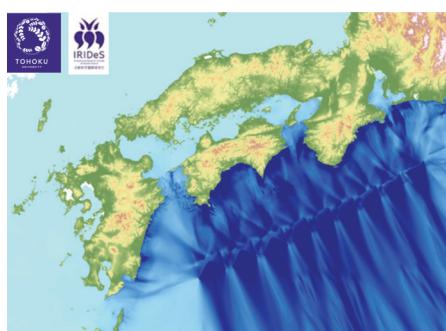
Establishing a robust view risk

We built our European hail model, in partnership with Karlsruhe Institute of Technology (KIT), due to the lack of credible models in the region. Our award-winning model assists clients in making analytically informed risk transfer decisions, improving on previous methods.



Aligning analytics to contracts

Existing models do not sufficiently capture bespoke hours clauses. Our innovative solution to better reflect contract terms has been adopted by major UK insurers, assisting in both market discussions and providing wider event cover for flood.



Optimising reinsurance

Model adjustments based on the latest science from Willis Research Network (WRN), coupled with educational market visits about our solution, allowed refinement of existing views for Japan Typhoon and enabled increased market participation in programs.

Enhancing reinsurance discussions

Our Italian earthquake model evaluation identified an overestimation in results. Application of Global Earthquake Model (GEM) data to rate and frequency adjustments on a scientific basis enhanced the view of risk and facilitated informed discussions of reinsurance terms.

Willis Re View of Catastrophe Risk

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. Willis Re seeks 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. To enable our client to form a View of Risk, Willis Re takes a dual approach of **enhancing and validating existing models** and **building new solutions when needed**. Risk management decisions that influence capital management within the insurance lifecycle are supported through the six pillars of **Own View of Risk, Reinsurance, Portfolio Optimisation, Willis Research Network, Regulatory and Innovation.**



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How can we help?

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

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