

Natural Catastrophe Data, Modelling & Analytics Solutions

Visualize your critical infrastructure risk
across your operations



Natural Catastrophe accounts for an overwhelming majority of the financial loss from disaster events. Zurich Resilience Solutions (ZRS) and One Concern provide a suite of Natural Catastrophe-exposure data, modelling, and analytics solutions that customers rely on to make more informed risk management decisions.

Our solution provides powerful data that enables companies to measure hidden physical risks, quickly see vulnerabilities to their locations that are driven by external infrastructure and extreme weather conditions, and make high value, complex financial decisions. Our data platform also gives customers a consistent, comparable metric for physical risk using time projections to evaluate and benchmark properties, companies, and sectors.

Powerful data
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Business value through resilience

Our platform enables advanced resilience planning to help ensure your organization can operate through hazards, by combining disaster science and climate risk with Artificial Intelligence and machine learning. Armed with this data, you can better understand the business impact of climate volatility, extreme weather, and disasters on your business operations, including:

- **Business Continuity:** Minimize organizational downtime through effective operational planning, comprehensive analysis, and mitigation. Predict the impact of future hazards, identify gaps in continuity plans, and transform your organization from disaster responsive to disaster proactive.
- **Precision Mitigation:** Enable targeted, precision mitigation investments to reduce business interruption risk and protect your bottom line.
- **Logistics Management:** Minimize logistics disruptions on your business by identifying weak points for transportation and storage locations you rely on ahead of hazards to maximize efficiency and plan for necessary redundancies.



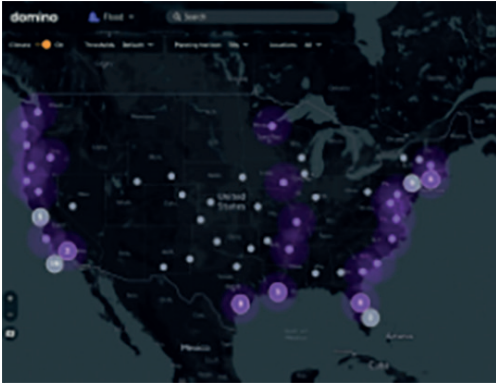
Overview of Services

- Perform a risk analysis including both direct facility risk and business interruption risk from externalities, such as power outage, transportation routes and employee availability.
- Measure direct physical risk and its financial impact (ROI) through external, independently validated climate and catastrophe modelling for flood, wind, and earthquake perils in the United States.
- Deliver sector-specific, occupancy-specific modelling to translate time-element losses to revenue and cash-flow impact.

One Concern Domino™

Advanced resilience analysis to visualize risk across business operations.

Domino is a risk visualization tool to help users improve operational planning in the face of disasters and climate volatility. With advanced analytics and machine learning, Domino empowers organizations to reduce downtime through unprecedented understanding of risk, enhanced operational planning, and precision mitigation.



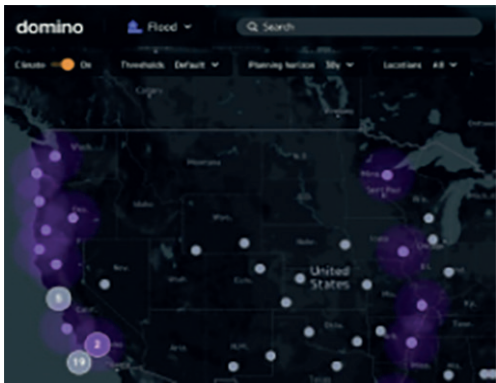
Vulnerability Map

Model hazards at custom thresholds, including flood, hurricane-induced wind, and earthquakes to identify assets and systems at the highest risk from structural damage and infrastructure downtime



First to Fail

Predict the order in which critical infrastructure lifelines and dependencies are most likely to fail



Downtime Insights

Project operational downtime with customizable return periods, planning horizons, and risk thresholds



Climate Eye

Model your risk exposure through the lens of climate change, for a comprehensive view of future scenario planning

ZRS and One Concern help businesses quantify risk, reshape strategy, and harness opportunity amidst climate challenges. To learn more about the analytics tool, view the [Domino Overview Video](#) now!

To learn more, contact ZRS Business Continuity Director, Andrea Blair at: andrea.blair@zurichna.com; or visit [ZRS Business Continuity Services](#).

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A1-P0770780-A (05/24) P0770780

