Global leaders in inland flood risk

KatRisk's inland flood model combines advanced hydraulic and hydrodynamic methods with **high-resolution (10m) data across the US, Europe, and Australia**, enabling realistic simulation of pluvial, fluvial, and storm surge flooding across diverse geographies.

A new standard in flood risk modeling

Advanced hydraulic and hydrologic modeling

KatRisk's global inland flood model uses **advanced physical hydraulic and hydrologic modeling** to deliver reliable risk assessment across diverse regions, simulating **pluvial, fluvial, and storm surge flooding beyond statistical approximations**.

High-resolution data

Up to **10m resolution in the US, Australia, and New Zealand**, and **10–30m across Europe**, enabling property-level insight and sharper risk differentiation.

Speed at scale

Loss analytics run up to 30× faster, supporting rapid underwriting, pricing, portfolio analysis, and scenario testing.

Climate variability & correlation built in

Explicit modeling of climate-driven variability and events, combined with global correlations between perils and regions, delivers a more realistic view of risk.

The KatRisk advantage

- Distinctive modeling strategy grounded in physical science
- Agile framework built for evolving risk landscapes
- Client-centric approach focused on real-world decisions

How to access our solutions

KatRisk-Hosted
Hosted on AWS or Azure with API access

On-premise or client-hosted cloud deployment

Access via **KatRisk APIs** or intuitive **user interfaces** (via SpatialKat, SoloKat)

Contact us:

KatRisk
www.katrisk.com

When the climate changes, risk changes

Driving innovation through analytics

KatRisk integrates climate change directly into catastrophe modeling, enabling users to evaluate risk under both current and future conditions. Climate analytics are available across all primary products, supporting financial impact assessment, stress testing, and regulatory requirements.

KatRisk has served as the risk modeling calculation agent for **$2.2B in FEMA/NFIP catastrophe bonds** and has supported **climate risk studies** with organizations including **Milliman, NRDC, and McKinsey.**

Climate signals translated into catastrophe losses

$260 BILLION

global economic losses from natural disasters (2025)

Source: Aon

51%

global protection gap: lowest on record

Source: Aon

total losses

$260 billion

covered by Insurance

$127 billion

2.59°F

temperature above pre-industrial levels. The third-warmest year on record on record (WMO)

Source: Aon

Trusted voices, proven outcomes

ACRISURE®

> We've partnered with KatRisk for several years, licensing their US and Canada flood models. Their reliable, high-quality models have significantly strengthened our risk assessment and client decision-making.

ZURICH · Munich RE · AON · FloodFlash · Gallagher · SAGE SURE · SUPERIOR Flood Inc. · FEMA · NEPTUNE · EigenRisk · Public Safety Canada · WRIGHT® Flood

KatRisk is a global leader in catastrophe risk intelligence and solutions, setting the standard for how organizations assess and manage climate-driven risk. Serving insurance, reinsurance, and financial services organizations globally and supporting clients in over 190 countries, KatRisk delivers forward-looking insight across flood, storm surge, tropical cyclone wind, severe convective storms, and wildfire. Built on transparent methodologies, flexible data architectures, and high-performance computing, KatRisk supports underwriting, portfolio management, and risk strategy with solutions designed to translate complex hazard science into confident, actionable decisions.

Inland Flood · Storm Surge · Tropical Cyclone Wind · Severe Convective Storm (SCS) · Wildfire · Earthquake

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