

# PUT A PRICE ON CLIMATE RISK.

ClimateScore™ Global reveals your financial exposure to physical climate change events.

The acceleration of severe weather events due to climate change has had a tangible impact on businesses and has increased the urgency to become resilient against the inevitable.

And that urgency comes in many forms. Industry regulators, your investors, and even your customers may require that you disclose your risk or prove your resilience to the impact of future climate events.

Analytics built on forward-looking models and based in the most recent science – which are also easy to understand and put into action – are essential for resilience plans that will remain effective in tomorrow's climate.

## But there are obstacles in the way...

- Limited knowledge of the total climate risk posed to your business interests over time.
- Generic climate data that does not provide insights tailored to the unique vulnerabilities of your business.
- Having the right data, but struggling to apply it to your business strategy.
- You simply “don’t know what you don’t know”, leading to costly delays and uncertainty on the road to resilience.

## ...to where you want to be.

- Accurately assess climate risk, plan mitigation strategies, and make investment decisions that optimize the use of business capital.
- Plug your climate risk data into your own processes to gain insights unique to your business – from the portfolio to the asset level.
- Quickly understand how to put your data to best use for securing your immediate and long-term business interests.
- Be confident the asset protection strategies you build now will be effective in the future when your risk has changed.

*“ClimateScore Global allows us to identify, mitigate, and manage our clients’ climate-related risks with new products and services.”*

**BRENDAN SMYTH**

SVP, Global Risk Solutions  
LIBERTY MUTUAL

## THE JUPITER DIFFERENCE



Impeccable Science



Climate Risk Translator



Trusted Industry Leader

## POPULAR USE CASES

- Portfolio planning
- Risk assessment & resilience planning
- Supply chain resilience
- Regulatory disclosure

# Don't spend time wondering what specific data points mean for your business.

ClimateScore Global brings context to raw data by providing you with metrics, scores, and loss modeling.



## Wind

- Wind speed at six key return periods (from 10-year to 500-year)
- Annual avg. & max. wind speed



## Flood

- Water depth & nearby flooding at six key return periods
- Annual tidal inundation depth



## Precipitation

- Daily rainfall at six key return periods
- Annual, monthly precip.



## Hail

- Days/year with significant hail possible
- Days/year with high thunderstorm probability



## Heat

- Days/year > 35°C, 38°C
- Days/year > hist. 99th pct
- Annual cooling deg. days
- Days/year with high, dangerous wet bulb globe temp.
- Absolute, relative heat waves
- Annual avg., max.; monthly avg.



## Cold

- Days/year < 0°C, -10°C
- Annual heating deg. days
- Absolute, relative cold waves



## Wildfire

- Annual fire count within 1 sq. km



## Drought

- Local, total water stress
- Months/year of extreme Standardized Precipitation Evapotranspiration Index

## SEE YOUR RISK FROM ALL PERILS

Having access to the most comprehensive set of global peril metrics available means having access to the best (not the next best) metric for your calculation – eliminating unnecessary uncertainty in your resilience strategies.

## UNDERSTAND CLIMATE RISK WITH SCORES

- Understand climate risk across two dimensions:
  - The present-day level of hazard
  - How quickly it will change by 2050
- Scores are provided per peril, and for a composite of all perils
- Scores can be further analyzed by comparing to benchmarks by country, admin 1 (state, province, etc.), and U.S. county



## REVEAL YOUR IMMEDIATE AND LONG-TERM FINANCIAL EXPOSURE TO EVENTS

### Hazard Insights

What will happen?

How will it impact my assets?

What will it cost me?

*Reveals if a portfolio or a particular asset will experience any given peril*

### Damage & Loss Insights

What will happen?

How will it impact my assets?

What will it cost me?

*Calculates cost of damage to buildings, contents, inventory, and downtime on an annualized and extreme return-period basis*

### Financial Modeling Insights

What will happen?

How will it impact my assets?

What will it cost me?

*Quantifies long-term costs posed to a portfolio of assets, such as future cash flows and their effect on present-day valuation*

# How ClimateScore Global can get you there.

## COMPREHENSIVE DATA



Hit the ground running on resilience.

Quickly take action on the insights provided by contextualized data scoring and metrics. Select the metrics that are most appropriate for your assets' vulnerabilities, and the specific timescales or scenarios that matter for your business.

### Features:

- Climate analytics for all perils at portfolio-level resolution
- Vast and continuously growing metric suites
- Vulnerability modeling and downstream financial impacts to assets and portfolios

## IMPECCABLE SCIENCE



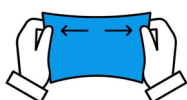
Have exceptional precision in planning.

Never miss out on the latest scientific advancements, put through rigorous vetting and granular enhancement to provide forward-looking insights while maintaining full transparency into our methodologies.

### Features:

- Forward-looking, de-biased CMIP6 models and AI/ML-assisted prediction
- Rigorous validation and verification is integrated throughout the modeling chain
- Transparency in modeling components

## FLEXIBLE DATA



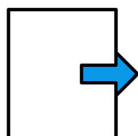
Gain business-relevant insights.

Use metrics to assess business impacts from all perils at multiple customizable return periods and thresholds, all contextualized in scores and benchmarks by region.

### Features:

- 11K+ decision-useful metrics available.
- Flexible timescales from 2020 through 2100 for medium- and long-term projections of future risk
- Downstream economic impact metrics

## EXPERT GUIDANCE



Make bold decisions – backed by strong evidence.

Engage with a trusted partner who adds immeasurable value. Jupiter knows climate and data science. Jupiter knows business. And we can help you see around the curves.

### Details:

- Over 35% of staff are scientists, world-renowned for their work – including a Nobel Laureate
- Trusted by leading organizations across the private and public sector

Climate Scenarios	Timescales	Geo Coverage	Spatial Resolution
SSP1-2.6, 2-4.5, 5-8.5 (+1.8°C, +2.7°C, +4.4°C)	Historical Baseline Every 5 years, 2020-2100	Worldwide	Portfolio (90m)