

Physical Climate Risk Solutions

Advanced Risk Assessments for Increased Resilience



Corporations and governments are recognizing that their real properties and investments need to become safer, more sustainable and resilient in our changing environment. Doing so is critical to their long-term business interests and being responsive to stakeholders, investors, customers and regulators. The carbon footprint is a measure of what your facilities may be doing to the planet. RiskFootprint™ is a way of determining what the planet may be doing to your facilities.

Portfolio Risk Management



At the board and c-suite levels, concerns are growing over the value at risk in the portfolio and new acquisitions from physical climate risks. RiskFootprint™ quantitative risk assessments help with both long-range planning and risk mitigation investments.

Regulatory Drivers



In the US, many companies are already complying with the EU's Task Force on Climate-related Financial Disclosures (TCFD), UN Principles for Responsible Investment (PRI), SASB and, soon the SEC.

Investor/Lender Concerns



The ESG investment community is increasingly taking physical climate risks into consideration when providing debt or equity. Once risks are identified, ESG investors want to see progress to mitigate them.

Insurance Coverages



Companies and Governments may not have fully accounted for physical risks of climate, extreme weather and natural hazards. RiskFootprint™ and B-Resilient™ Solutions provide an independent and unbiased evaluation of coverage adequacy.

How can RiskFootprint™ help?

By translating our scientific knowledge into commercial assessments, we deliver fast, accurate and affordable physical climate risk insights.

RiskFootprint™ and B-Resilient™ Solutions

The RiskFootprint™ advanced risk assessment technology provides qualitative portfolio risk scoring for over 14-types of physical climate risks, extreme weather and natural hazards. In addition to the risk at the property boundary, RiskFootprint™ risk scores the surrounding market area at no additional cost. Then, the RiskFootprint™ Dashboard also provides professional grade, quantitative risk assessment reports, which enable owners/operators/investors to make better decisions to improve the safety, sustainability, and resilience of their properties, now and in the future.

After the RiskFootprint™ portfolio analysis and property specific assessments are complete, then asset and risk managers can focus attention on those properties at highest risk for planned risk mitigation investments or dis-acquisition.

Our B-Resilient™ Solutions advisory services are available to assist with determining the value at risk and cost-benefit ratio of capex for mitigation, adaptation and resilience.



RiskFootprint™ Dashboard

The more informed you are, the more proactive you can be in taking steps to protect your property or investment's market value. No other risk assessment tech company provides all this actionable data and analytics plus resilience accelerating advisory services ready at your service.



14 Current & Future Risk Factors Quantified

	Risk Factor	Description
Current Risks	 Heavy Rainfall	Potential for rainfall flooding above ground level (AGL) of the property.
	 Wildfires	Using data from the US Forest Service, integrates wildfire likelihood and intensity.
	 River Flooding	Potential for river flooding above ground level (AGL) of the property as a result of an overflowing river.
	 Wind	Historical number and strength of extreme wind events.
	 Tsunamis	Identification of areas vulnerable to tsunamis based on maps and datasets maintained by state governments in the US.
	 Tornadoes	Number of tornadoes based on the NOAA National Weather Service (NWS) Storm Prediction Center's (SPC) severe report database.
	 Hurricane Storm Surge	Potential for flooding on the property because of the wind field that drives hurricane storm surge.
	 Poor Drainage Hot Spots	Proprietary model of the likelihood that heavy rain events will cause hyper-local flooding.
	 Tidal Floods & Sea Level Rise	Models the extent of tidal flooding and climate-change induced sea level rise now and in the future.
	 Earthquakes	The intensity of ground shaking likely experienced based on the USGS Earthquake Hazard Program & National Seismic Hazard Mapping Project (NSHMP).
Future Risks	 Extreme Heat Hazard	Indicates 2050 extreme heat risks related to the increase in energy requirements to cool buildings.
	 Extreme Rainfall	Extreme 2050 rainfall risk related to heavy rainfall and localized flooding from extreme precipitation.
	 Extreme Drought	2050 extreme drought risk related to reductions in precipitation that produce drought months.

What Differentiates Us

 <p>Quality Assessments</p> <p>Qualitative and quantitative risk assessments for properties and surrounding markets.</p>	 <p>Cost-Benefit / Value</p> <p>B-Resilient™ Solutions Advisory Services including cost-benefit/value at risk studies.</p>	 <p>Fast & Affordable</p> <p>Fast, Accurate and Affordable - annual subscriptions or ala carte.</p>	 <p>Independent Advice</p> <p>Independent risk scoring and advice - we don't sell insurance or any other products.</p>
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Three Tiers of Service Offerings

Level 1
High Level Portfolio Overview



Product:
Customer receives climate risk scores in spreadsheet format and RiskFootprint™ report form. Annual subscription to the RiskFootprint™ Dashboard available.

Level 2
Climate 'Hot Spot' Deep Dives



Product:
Value at Risk studies of hazard impacts, so that clients may determine if risk mitigation, solutions are cost-effective. These studies require "COPE" and other data on the property.

Level 3
Risk Mitigation and Risk Transfer Options



Product:
Customer receives specific, risk mitigation recommendations at location level, supported by our B-Resilient™ team. Risk transfer solutions may also be recommended.

Client Testimonial



"ARA has been increasingly interested in more fully understanding physical risks to our assets from floods, natural hazards and climate impacts as part of our overall Corporate Responsibility and Sustainability Program," said Don Pecano, Vice President of Due Diligence at ARA. "We have used RiskFootprint™ both to view our portfolio risks and for due diligence on new acquisitions. The RiskFootprint™ team is always available with its B-Resilient™ Advisory Services to "go the extra mile" and help us make better and more informed decisions."



Quality Data, Quality Partnerships

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