

A photograph of an iceberg floating in the ocean. The top part of the iceberg is visible above the water, while a much larger, jagged mass of ice is submerged below the surface. The water is a deep blue, and the sky is a clear, bright blue. The overall scene is serene and evokes a sense of scale and hidden danger.

Global Exposure Analysis

Making climate data actionable



Climate risk: the \$3.1 trillion challenge your business is facing

By 2050, The World Economic Forum estimates that extreme weather events and natural disasters will cost infrastructure, property, agriculture and human health between \$1.7 trillion and \$3.1 trillion per year*.

At the same time, governments, regulators and consumers are increasing their focus on the systemic risk of climate change. Your business is increasingly expected – and obliged – to identify, disclose and respond to its climate risks, in order to demonstrate its resilience and economic sustainability. You need to show that your business is part of the solution, not part of the problem.

By beginning your climate resilience journey and tackling the existing and evolving risks to your operations and strategy, you can protect your business and your employees, avoiding the increasing costs of physical risks related to climate change.

A strategy founded on experience, climate data analytics and actionable recommendations

Zurich Resilience Solutions (ZRS) helps organizations like yours address the rapidly changing risk and regulatory landscapes, equipping them with the knowledge and the recommendations they need to make informed decisions towards long-term business resilience.

The Climate Resilience team provides a unique, end-to-end solution encompassing a portfolio-level climate risk analysis, through to location-level climate risk assessments, to provide both the data-led insights and practical recommendations needed to adapt site locations and operations to climate change.

*<https://www.weforum.org/agenda/2023/10/climate-loss-and-damage-cost-16-million-per-hour/>

End-to-end solution: from insight to action

Step 1: Know your risks with our Global Exposure Analysis

Our Climate Resilience team, comprising of data scientists and climate risk experts, combines your business data with Zurich-developed climate data, to provide an in-depth analysis of your exposure to climate change across your sites and operations globally. This Global Exposure Analysis can also be extended to include your suppliers and other relevant points within your value chain.

These crucial insights allow you to identify your level of exposure to climate change, and help to pinpoint your greatest vulnerabilities. These data-led insights can also be integrated into the four core elements of the TCFD framework: (i) Governance, (ii) Strategy, (iii) Risk Management and (iv) Metrics/Targets.

Key insights include

- ✓ Analysis of 10+ climate perils and their evolution up to the year 2100
- ✓ Analysis including four different climate change scenarios
- ✓ Identifying material hazards
- ✓ Ranking sites according to level of risk
- ✓ Providing high-level, peril-specific adaptation measures

Step 2: Know your next steps

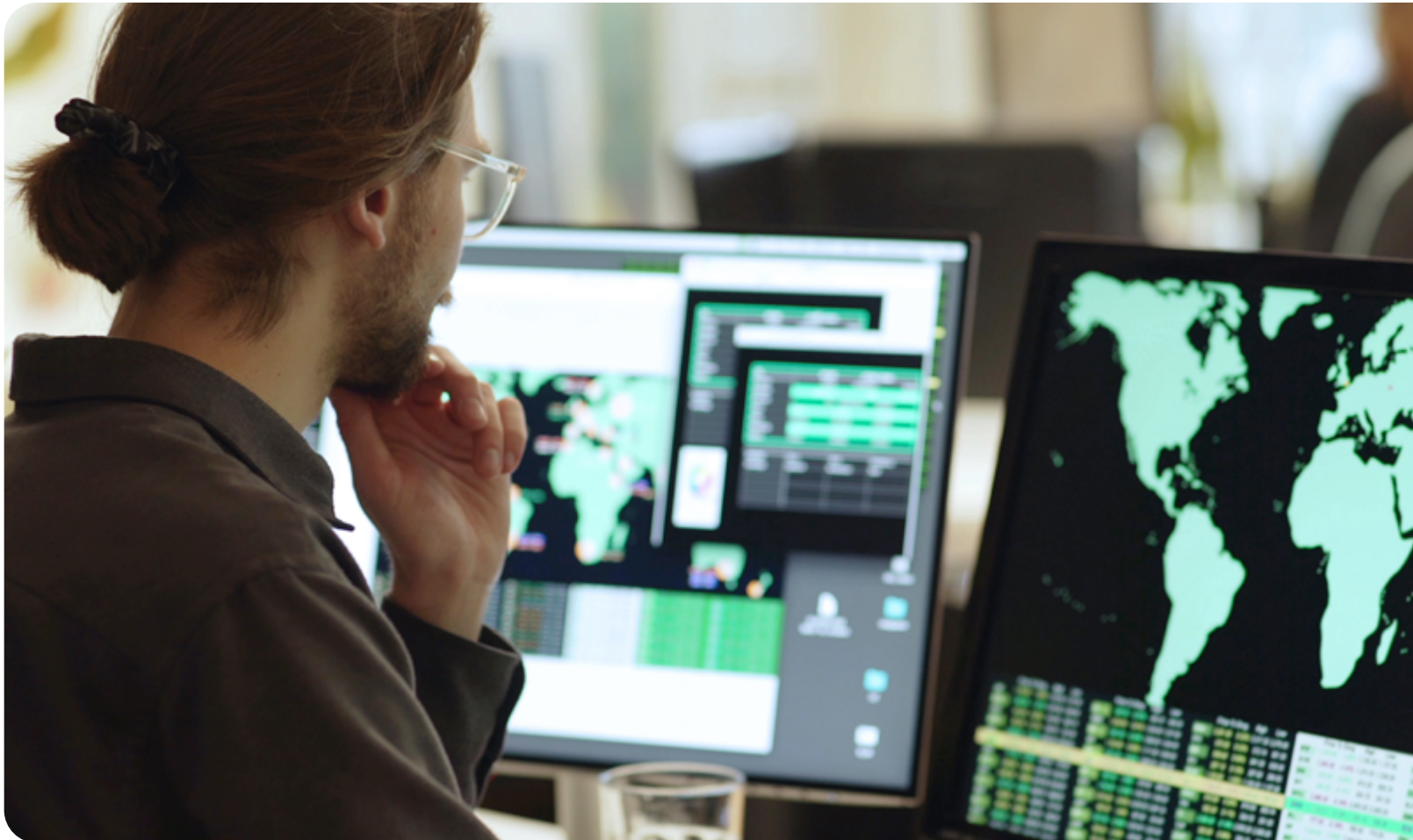
Insight is only useful if it is acted upon. We help you to take a strategic approach to managing climate risks across your business, backed up with practical recommendations to address these risks at site locations. By working collaboratively with your stakeholders across all levels of your organization, we help you turn forward-looking insights into plans and then into actions.

These insights and the actions you take can be used as part of increasing reporting requirements set out by the Corporate Sustainability Reporting Directive (CSRD) and other similar directives.

Make decisions based on state-of-the-art data

Good decisions are fuelled by good data. At Zurich we develop our climate data in-house to meet the needs our own business, and it is this same data that fuels our Global Exposure Analysis. Using forward-looking data, as part of an integrated approach to climate risk, makes the outcomes relevant for multiple stakeholders and is a must have tool to manage climate risk strategically and operational.

Owning our climate data allows us to provide consistency across present-day and future risk analyses, as well as transparency so you can understand the methodology, the source, and the limitations of the data, and be confident in your adaptation investments and your climate-related disclosures.



Bespoke to your business and industry needs



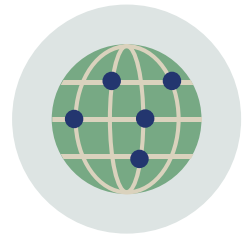
Guided by our climate resilience experts

Our approach is fully consultative. Our experts will work closely with you to tailor our solution, explain the analysis, incorporate your feedback and support you with internal stakeholder meetings to help you leverage the insights across your business.



Risk ranking

Clearly identify your locations that are most exposed to climate change, to prioritize sites for further risk assessment, and the requisite climate adaptation measures. This can also include your suppliers' locations and other key infrastructure within your value chain.



Prepare based on a range of scenarios, from best-to worst-cases

Our experts will provide you with analysis across four different climate change scenarios, so you can understand the challenges and potential mitigations in each one, allowing you to develop the requisite adaptation strategies with confidence.



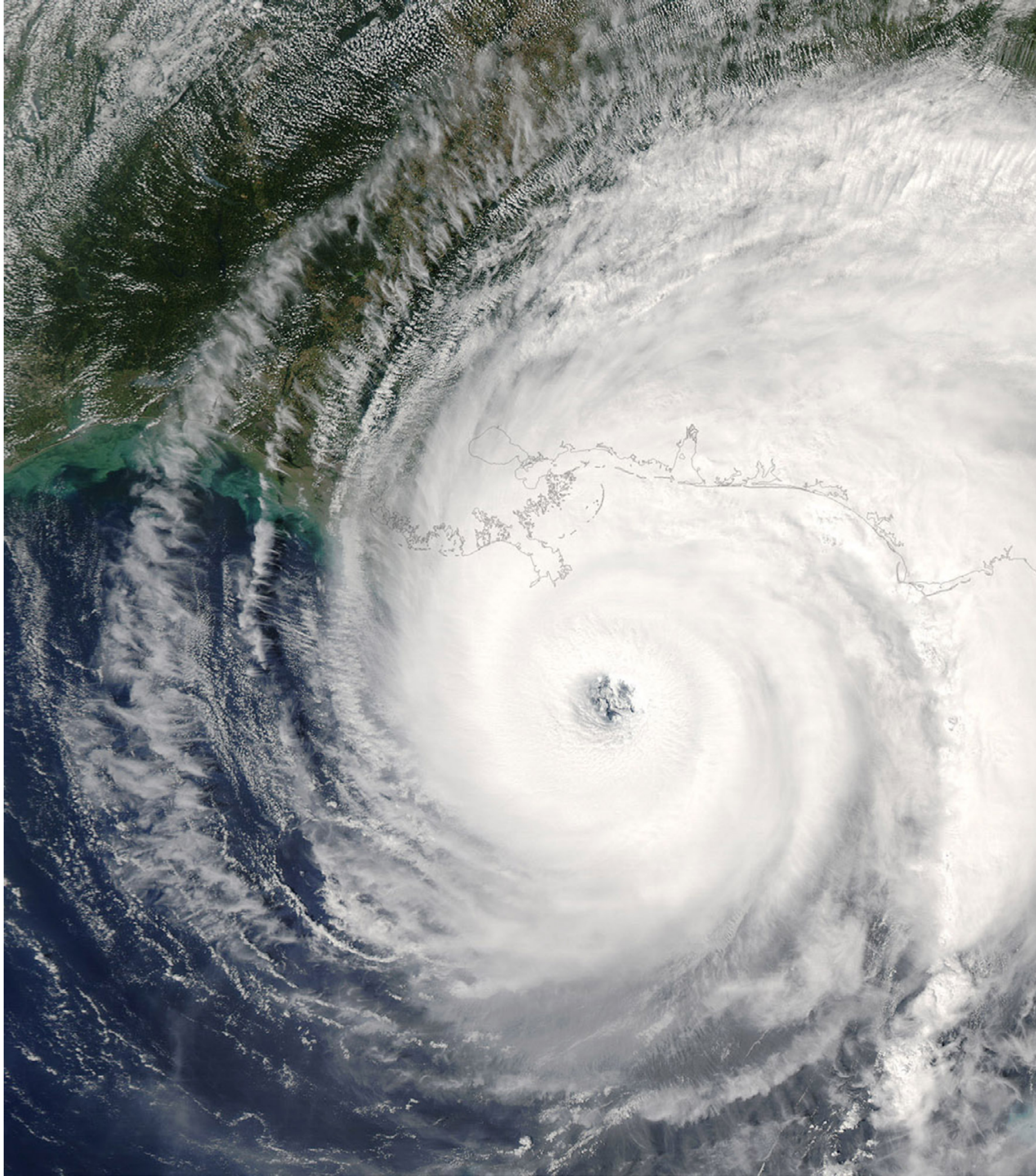
Make confident investment decisions

Smart site selection can help organizations choose locations for expansion that are both economically efficient and support their ESG goals. That is why climate risks and the evolution of climate perils are a crucial consideration at the site selection phase of a project.



Fully bespoke; not “out-of-the-box”

Our analysis is carried out based on the criticality metric of your choice (e.g., Total Insured Value (TIV), revenue, supplier criticality score). And our flexible approach allows you to select different metrics for different parts of your business, ensuring our analysis aligns with your business operations and can be integrated into your risk management framework.



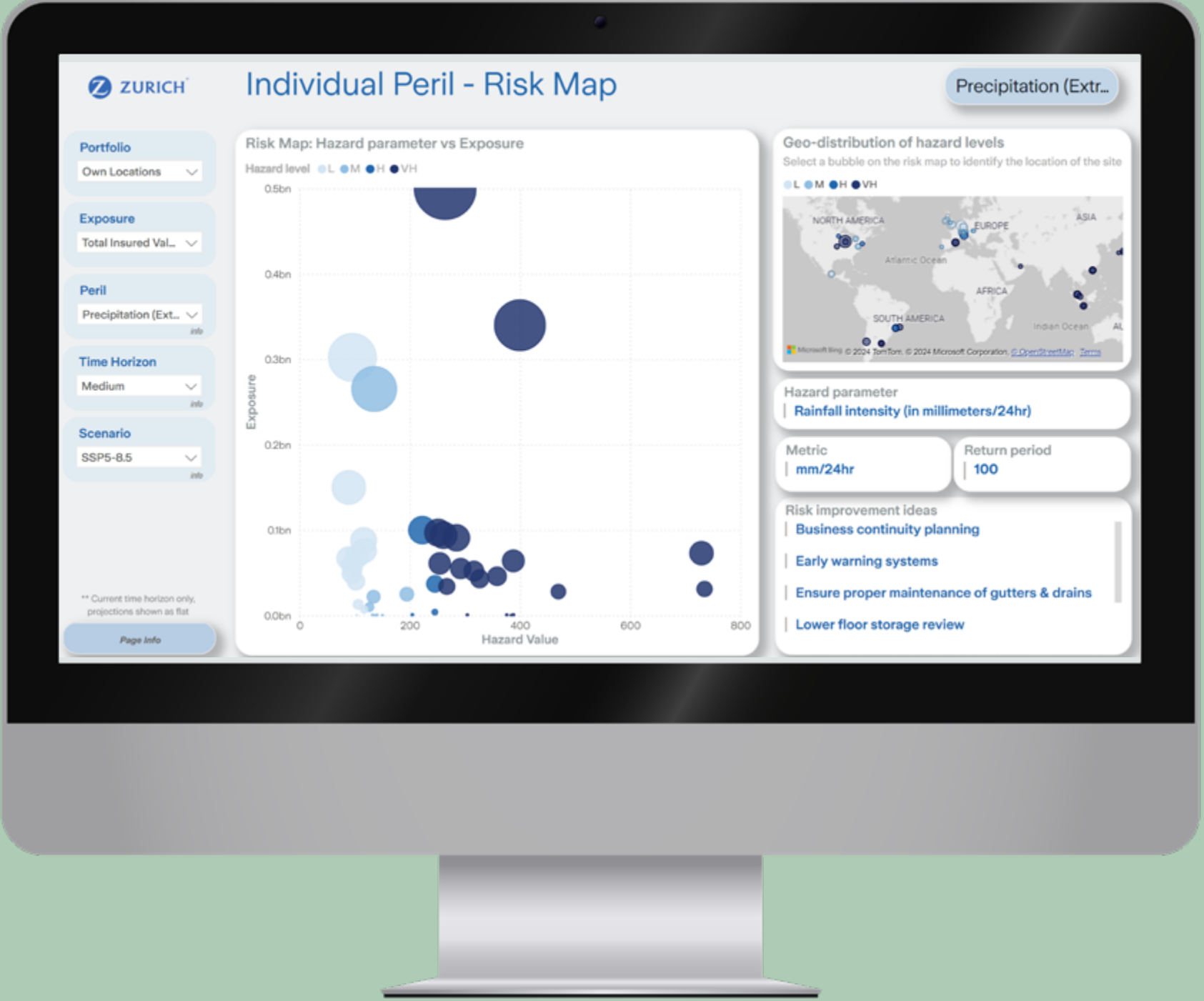
Access your climate risk dashboard and detailed report through our Climate Resilience Portal

Our analysis and recommendations are tailored to address the needs of a wide range of key stakeholders in your organization. You and your colleagues can access our unique climate portal to interrogate the data, exploring the insights to focus on key areas of interest. Security is paramount, and access to the portal and all relevant documentation is limited to designated users.

Key stakeholders across your business will also be able to access a secure dashboard to view and assess your climate risk analysis through different time horizons and climate scenarios. With at-a-glance, dynamic data visualization, you will be able to focus on particular locations or deep dive into particular perils. Optional filters and lenses show different scenarios, and the dashboard also supports cross-functional collaboration between your teams.

With 24/7 access to your dashboard, you can go through the results and understand the insights at your own pace. The dashboard enables you to export information to integrate into other internal materials for stakeholder management and for sharing results across your organization.

You will also be able to access our knowledge hub, where you'll find training materials and user videos, with a support team contactable via the platform for any technical queries you have.



What our customers say

“The Climate Resilience Portal is an excellent tool for risk analysis, because the facts are clear and easy to communicate with stakeholders. We value both the quality of the analysis as well as the support we receive from the ZRS.”

Caroline Mountfield

Corporate Sustainability Manager,
Merck

MERCK

What our customers say

“Zurich Resilience Solutions analysed our climate-related exposures by assessing the evolution of risks and incorporating the findings into our sustainability and ESG frameworks. The work also included a societal component of examining local infrastructure, for example, uncovering vulnerabilities in power supplies.”

Xavier Mutzig

Group Insurance & Insurable Risk Director,
Johnson Matthey

JM Johnson Matthey
Inspiring science, enhancing life

What our customers say

“We plan to integrate ZRS’s expertise into Madrid’s climate adaptation strategy focused on our people.”

Juan Azcárate Luxán

Deputy Director General of Energy and Climate Change,
Madrid City Council



Key features of Global Exposure Analysis

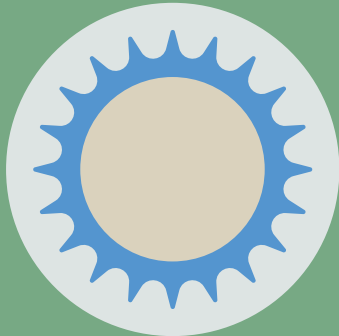
Main climate perils covered



Precipitation



Flood



Drought



Windstorm



Sea level rise



Storm surge



Cold



Hail

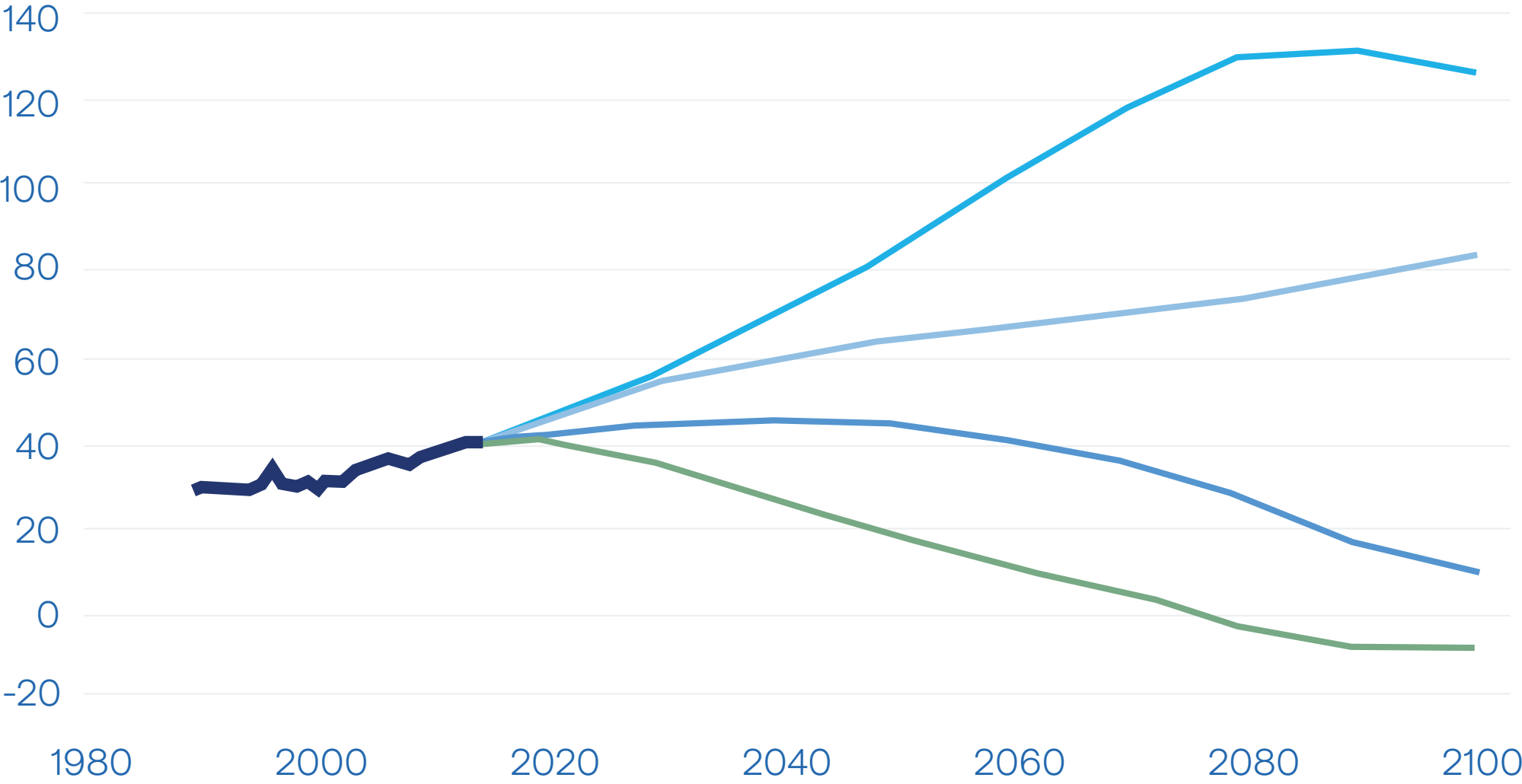


Heat



Tornado

Four climate scenarios



- Historical
- SSP1-2.6 (<2°C warmer than pre-industrial by end of century)
- SSP2-4.5 (~2°C warmer than pre-industrial by end of century)
- SSP3-7.0 (>2°C warmer than pre-industrial by end of century)
- SSP5-8.5 (>4°C warmer than pre-industrial by end of century)

Four time horizons

- Current**
- Near** 2015-2045; average 2030
- Medium** 2045-2075; average 2060
- Far** 2070-2100; average 2085

Climate resilience starts here

Contact one of our experts to take the first step on your climate resilience strategy

Contact us 

You can also find out more information about our Climate Resilience solutions on our website

Visit our website 

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