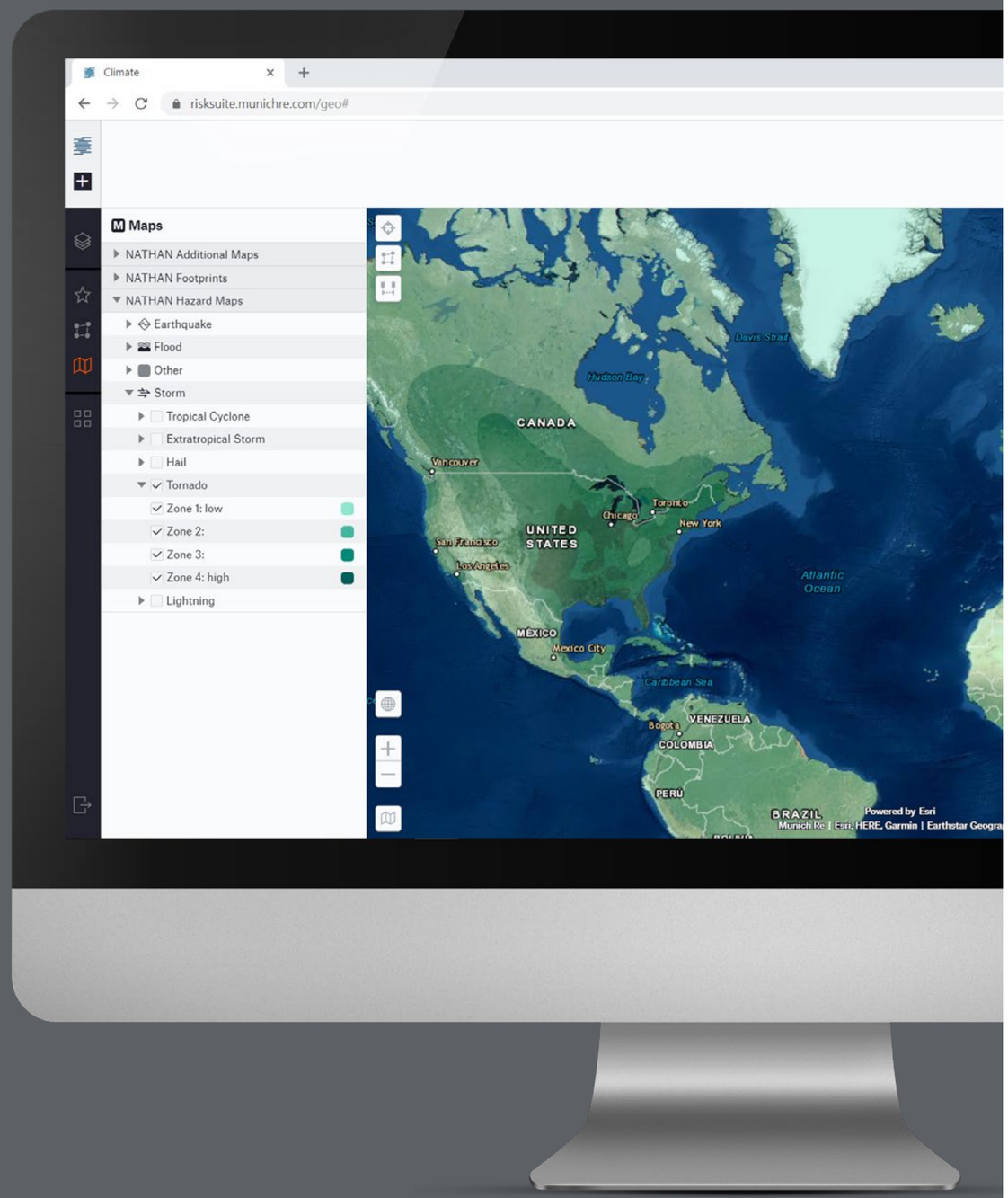
Munich RE

Munich Re's
Location Risk Intelligence

Don't take risks when it comes to risks



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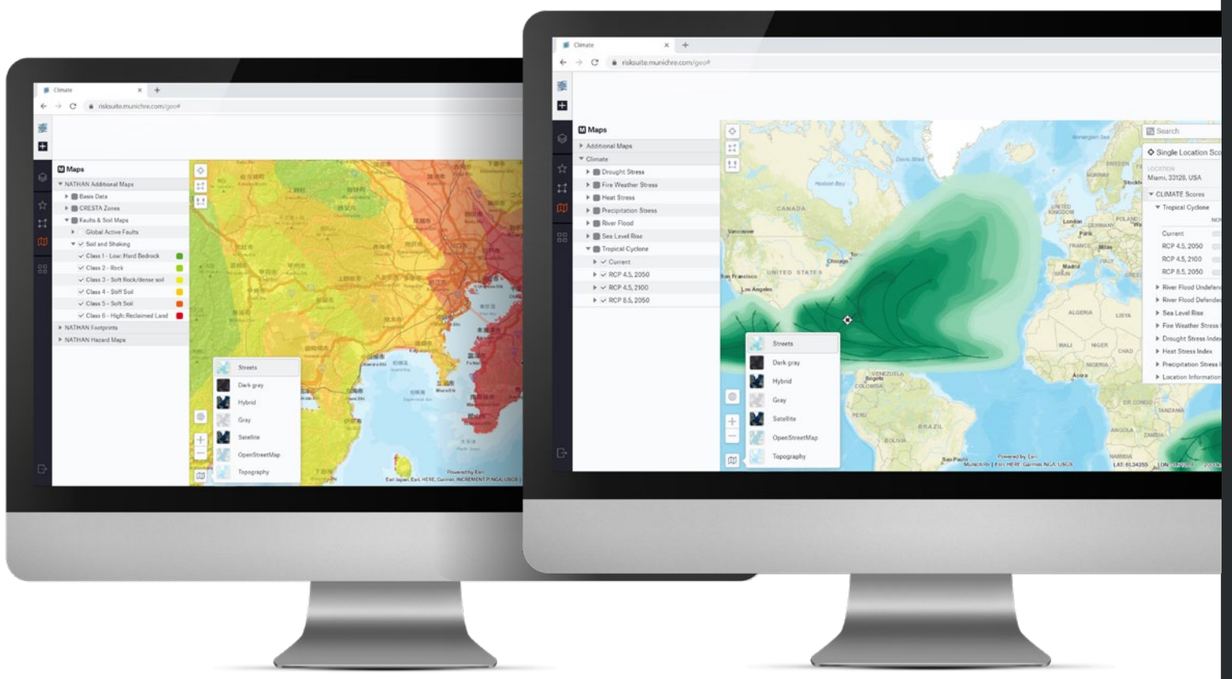
Munich Re's Location Risk Intelligence keeps you in full control of natural disaster and climate change risks worldwide and at all times, so you can concentrate fully on your core tasks

Location Risk Intelligence is a comprehensive analysis platform for location risk assessment and management. Alternatively, you can access the scores of the solution via API (Application Programming Interface) and use this data entirely in your own applications.

This modular, powerful solution combines different complementary assessment models to generate detailed, meaningful assessments based on data from past events on the one hand, and future-oriented assessments that take into account a wide range of internationally agreed climate change scenarios on the other.

Due to its modular structure, this solution is available in three theme-specific versions, as Natural Hazards Edition, Climate Change Edition or Wildfire HD Edition, each with just one of the three assessment models. However, all versions can be extended at any time with the other assessment models as well as with additional supplementary modules.

You also enjoy full flexibility with the deployment options. So it is up to you whether you access the solution via a web application or via the API. And the Natural Hazards Edition is even available as an on-demand version.



140

140 years of experience in risk assessment and management represent the world's largest and most comprehensive knowledge base of natural disasters and form the basis for Munich Re's Location Risk Intelligence.

15

15 years of continuous development make Munich Re's Location Risk Intelligence by far the most sophisticated solution with the largest functional depth, which will constantly be expanded with new functions and scores.

50+

More than 50 million risk assessments per year worldwide.

45,000

The solution accesses the world's largest natural catastrophe loss database, NatCatSERVICE, which contains **more than 45,000 entries on natural hazards.**

>90%

Over 90% customer satisfaction year after year.

"Munich Re's Location Risk Intelligence is the only solution for the assessment of risks from natural disasters and climate change scenarios which is based on the largest and most comprehensive expertise worldwide gained from 140 years of risk assessment and management, as well as 15 years of continuous product development."

Christof Reinert | Head of Risk Management Partners

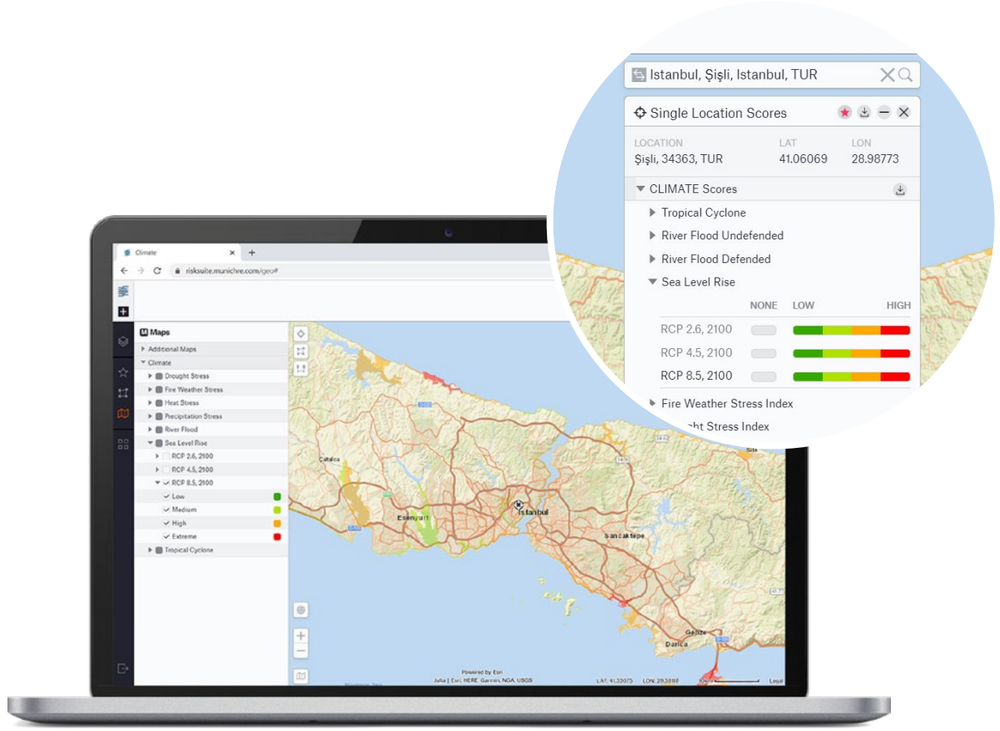
According to a study from 2013, flood damage of 60 to 63 billion US dollars is predicted by 2050 in the 136 largest coastal cities.

Source: Nature Climate Change, 2013

Reduce your risks to the minimum with the easy-to-use analysis tool for single locations or entire portfolios

Munich Re's Location Risk Intelligence accordingly supports companies in assessing risks from natural hazards or climate change around the world – from individual locations to entire portfolios – and accordingly helps to accelerate business processes and improve both portfolio and claims management.

By entering dedicated locations, users can access risk and hazard assessments in the form of risk scores for a variety of natural hazards and/or climate change risks, visualize them and save or download them as comprehensive reports.



Choose the edition that suits you best

Natural Hazards Edition

… is the ideal solution for companies which want to reliably evaluate the current status of their portfolios or individual locations.

In addition to the comprehensive overall score, which is based on the three individually accessible detailed scores for earthquake, storm and flood, users receive dedicated ratings for a total of 12 natural hazards, including earthquakes, volcanoes, tsunamis, tropical storms, hail, tornadoes, lightning, wildfires, river floods, storm surges, etc.

All analysed locations are visually displayed in the form of detailed maps with risk layers and can be saved as reports together with all individual scores.

The evaluation criteria can be extended modularly at any time by adding those of the Climate Change Edition, Wildfire HD Edition and other modules (see list on the right).

Also available On-Demand

In the On-Demand version, users without a contractual commitment can use credits that can be purchased directly on the website to determine risk assessments for individual locations and download them as meaningful reports.

In contrast to the subscription version, the evaluation of portfolios as well as the graphical representation of individual risks is not possible in this version.

Climate Change Edition

… supports companies in analysing and assessing the risks of future climate change.

From a single asset to multiple assets within a portfolio located in areas prone to the effects of future climate change, such as areas of extreme temperatures, extreme rainfall, drought stress, tropical cyclones, fire stress, sea-level rise, etc.

In contrast to the Natural Hazards Edition, risk assessments are not calculated on the basis of past events, but on forecasts of future events that are expected to occur as a result of climate change.

In order to generate an all-encompassing assessment, the Climate Change Edition can also be supplemented at any time with the functions of the Natural Hazards Edition, Wildfire HD Edition and other modules (see list on the right).

Wildfire HD Edition

… provides the analysis and assessment of the increasing risks of wildfires due to climate change in the USA and Canada.

The maps in the Wildfire HD Edition offer, in contrast to those of Natural Hazards Edition or Climate Change Edition, a significantly higher resolution in order to generate even more detailed assessments.

Alternatively, these maps can also be integrated as a Wildfire HD Module into the other two theme-specific editions.

	Natural Hazards Edition*	Climate Change Edition	Wildfire HD Edition
Location Risk Intelligence Platform	●	●	●
Natural Hazard Risks Module	●	○	○
– Earthquake	✓	⊕	⊕
– Volcano	✓	⊕	⊕
– Tsunami	✓	⊕	⊕
– Tropical Cyclone	✓	⊕	⊕
– Extratropical Storm	✓	⊕	⊕
– Storm Surge	✓	⊕	⊕
– Tornado	✓	⊕	⊕
– Hail	✓	⊕	⊕
– Lightning	✓	⊕	⊕
– Wildfire	✓	⊕	⊕
– River Flood	✓	⊕	⊕
– Flash Flood	✓	⊕	⊕
Climate Change Risks Module	○	●	○
– Tropical Cyclone Zones	⊕	✓	⊕
– Fluvial Flood Zones	⊕	✓	⊕
– Sea Level Rise Index	⊕	✓	⊕
– Fire Stress	⊕	✓	⊕
– Drought Stress	⊕	✓	⊕
– Heat Stress	⊕	✓	⊕
– Precipitation Stress	⊕	✓	⊕
Wildfire HD Module (USA, Canada)	○	○	●
Additional Modules			
ZÜRS Integration Module (Germany only)**	○	○	○
GEM Integration Module**	○	○	○

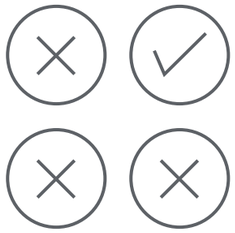
*Also available as On-Demand version (pay as you go)
**Enables the integration of the corresponding data (customer licence required)

● Included in this edition ✓ Included in the corresponding module
○ Can be purchased additionally at any time ⊕ Available as soon as the corresponding module is purchased

Flexibility to the max

Cloud & API

Munich Re's Location Risk Intelligence is an SaaS solution, but alternatively you can access the scores of the solution via API and use its data entirely in your own applications.



Freedom due to modularity

Thanks to the modular structure, each of the three theme-specific editions can be supplemented at any time with the other assessment model and with additionally available modules as well. All in a single user interface.

Scalable to your needs

Assess single locations or entire portfolios with regard to both natural disasters and the consequences of climate change.

Overview
Munich Re's Risk Suite

Munich Re's Risk Suite is a range of modular risk solutions provided as a software portfolio by Munich Re Service GmbH, a wholly owned subsidiary of the world's leading reinsurer. It offers companies access to the risk management tools developed in-house and the knowledge and experience of 140 years of one of the world's leading providers of reinsurance, primary insurance and insurance-related risk solutions.

Since the introduction of NATHAN (now Natural Hazards Edition), Munich Re has been a pioneer in the global assessment of natural hazard risks. Munich Re's Risk Suite builds on this expertise and offers a selection of well-engineered risk assessment solutions for technical underwriting, data protection, investment decisions and climate change analysis.

On the other hand, Munich Re's Risk Suite draws on years of experience in global data transfer under regulatory requirements. Against this extensive background of experience, highly efficient solutions for data protection and IT security management were developed, originally for internal use, which ideally complement Munich Re's Risk Suite and thus provide companies with a comprehensive set of tools that covers the management of all risk aspects relevant to a company and is continually being developed further in view of the expected further increase in complexity in the field of data and IT security protection.

Munich Re's Location Risk Intelligence

	Natural Hazards Edition*	Climate Change Edition	Wildfire HD Edition
Location Risk Intelligence Platform	●	●	●
Natural Hazard Risks Module	●	○	○
Climate Change Risks Module	○	●	○
Wildfire HD Module (USA, Canada)	○	○	●
Additional Modules (optionally available):			
ZÜRS Integration Module (Germany only)**	○	○	○
GEM Integration Module**	○	○	○

*Also available as On-Demand version (pay as you go)
**Enables the integration of the corresponding data (customer license required)

Munich Re's Data Risk Intelligence

	Enterprise Edition	Professional Edition	Data Breach Edition
Data Risk Intelligence Platform	●	●	●
Standard Data Risks Module	●	●	⊗
Enterprise Data Risks Module	●	○	⊗
Data Breach Module	○	○	●
Additional Modules (optionally available):			
Data Subject Rights Module	○	○	⊗
Advanced Risk Assessment Module	○	○	⊗

● Included in this edition ○ Can be purchased additionally at any time ⊗ Not available in this edition

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