

# An introduction to Location Risk Intelligence

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Markus Waniek – Munich Re Risk Management Partners

# Master the risks of natural hazards and climate change



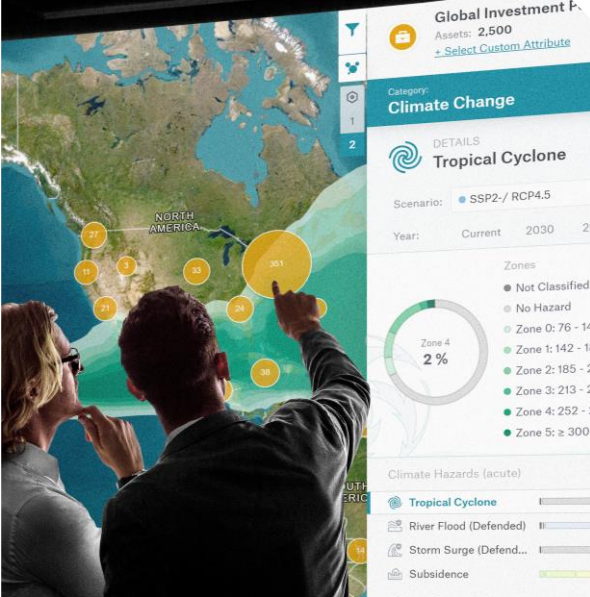
**Challenge**  
Increasing physical climate risks

Image: used under license from shutterstock.com



**Consequences**  
Loss of revenue, assets, operations, reputation

Image: BullRun / stock.adobe.com



**Your solution**  
Location Risk Intelligence

Image: Getty Images

# Three steps to mastering physical risks



Increase your performance by incorporating physical climate risks into decision-making and reporting

## Understand

From granular address assessments to identifying climate risk concentrations in entire portfolios.



### Concentration Analysis

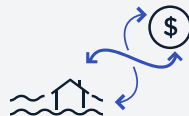


## Measure

Assess climate change's financial impact on your assets to measure expected losses and make informed decisions.



### Financial Impact



## Manage

Transform into a resilient organization, ready to mitigate and transfer climate risks.



### Risk Management Solutions



# Scenario Analysis – Validate Climate Change impact of NatCat risk across portfolios

## Climate Change Impact Analysis

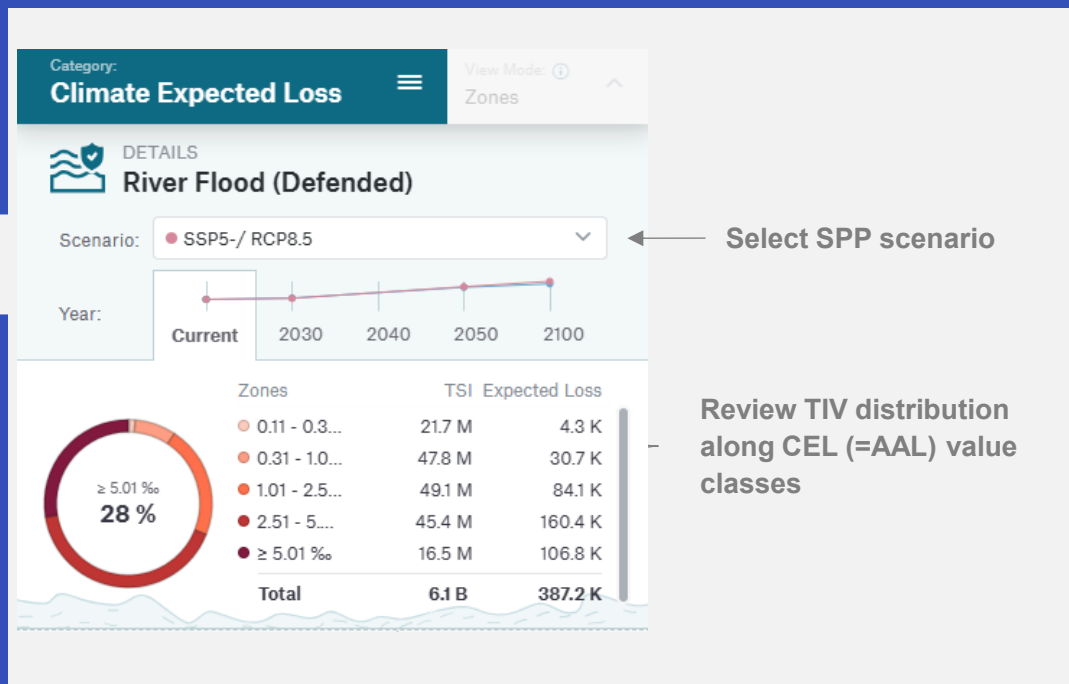
- 1 Geo-code your portfolio
- 2 Review current CEL distribution
- 3 Assess change along SSP scenarios
- 4 Filter key drivers of future risk for deep dives



# Scenario Analysis – Validate Climate Change impact of NatCat risk across portfolios

## Climate Change Impact Analysis

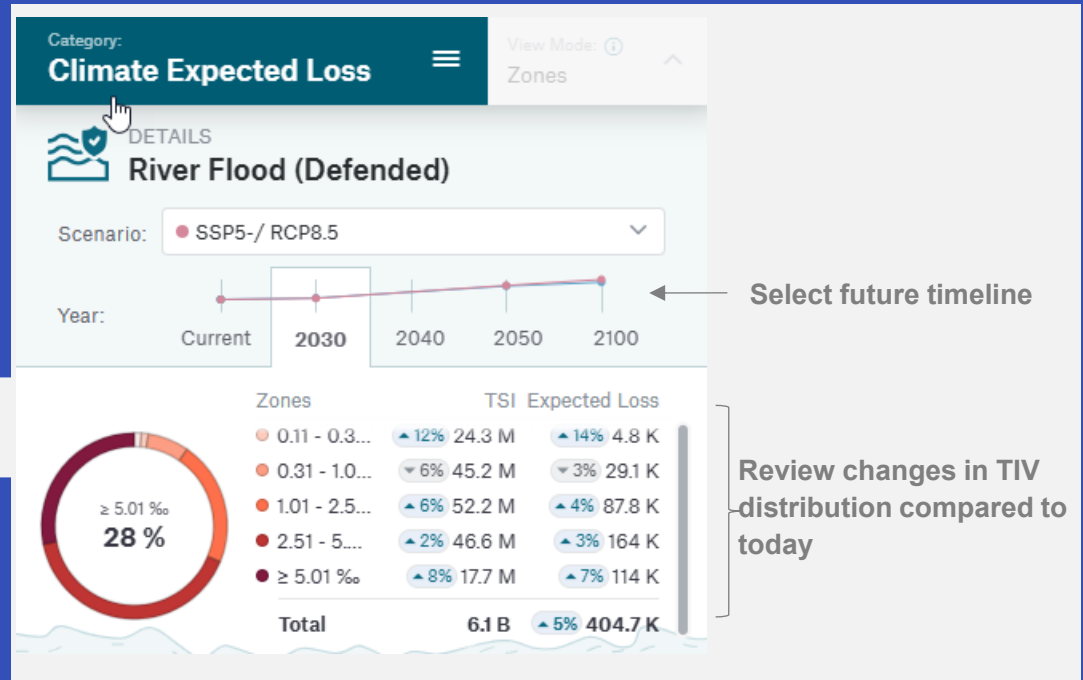
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# Scenario Analysis – Validate Climate Change impact of NatCat risk across portfolios

## Climate Change Impact Analysis

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# Events – Impact of historic and live events on your portfolios

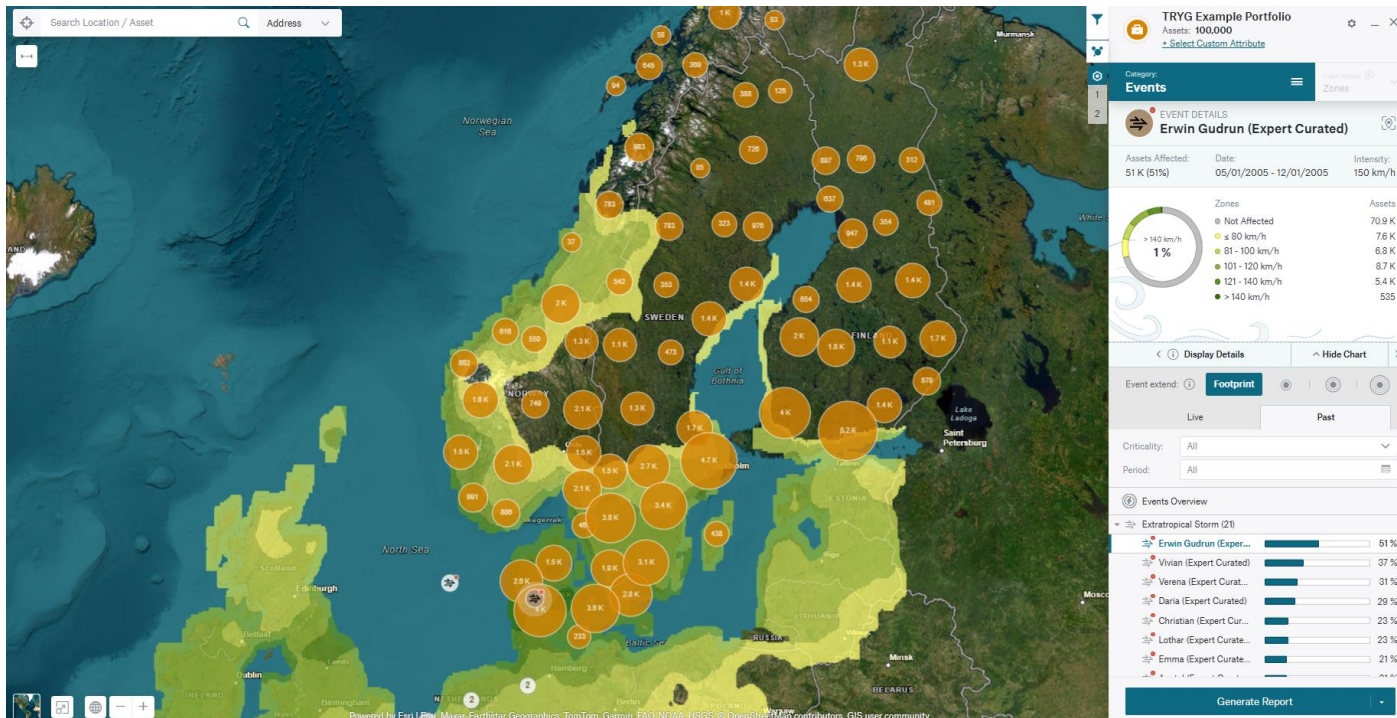
## Event features & benefits Visualization on Map

Historic & Live events  
Scenario analysis or reporting

Warnings  
Mitigation measures or client communication

Portfolio information  
Automatic indication of event impact

Event impact  
Event intensities or damage ratios within portfolio(s)



# Water scarcity is already impacting the profitability of a wide array of companies today

NEWSLETTERS • GREEN, INC.

## Why Tesla's German Gigafactory needs more water than Berlin has to offer

By Eamon Barrett

February 23, 2022 at 10:46 AM GMT+1

New York Times

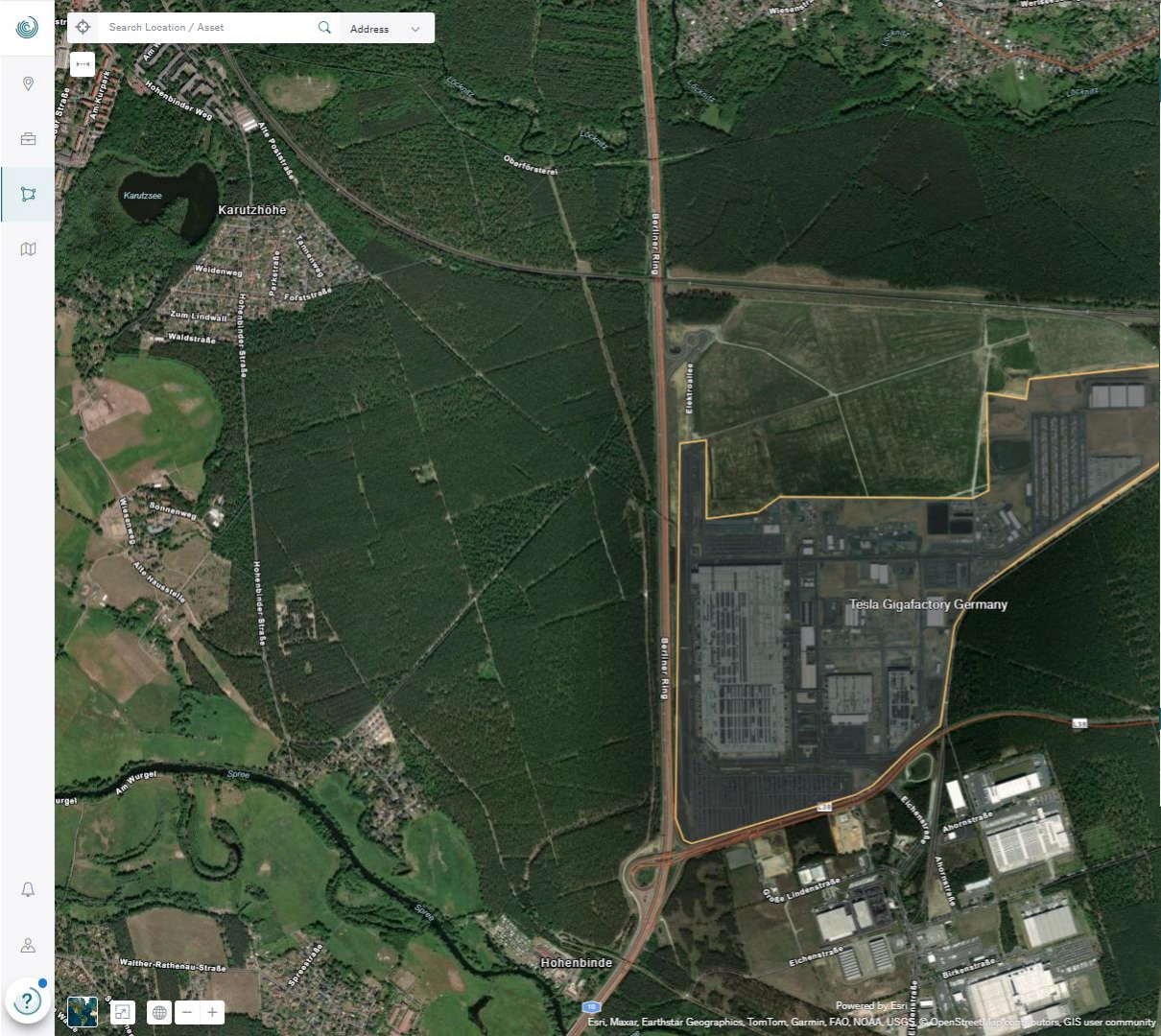
## Facing Droughts, California Challenges Nestlé Over Water Use

29. Apr. 2021 by New York Times

Coal

## Indian Water Crisis Shuts Down Multiple Power Plants

Aug 1, 2016 by POWER



**Tesla Gigafactory Germany**  
Size: 1.58 km<sup>2</sup>

Category: **Climate Change** | View Mode: Traffic Light

DETAILS  
**Water Scarcity**

Scenario: **SSP5-/RCP8.5**

Year: **Current** | 2030 | 2040 | 2050 | 2100

Traffic Light	Size, km <sup>2</sup>
Very Low (1)	0
Low (2)	0
Medium (3)	1.58
High (4)	0
Very High (5)	0

Climate Hazards (acute)

- Tropical Cyclone:
- River Flood:
- Storm Surge:
- Subsidence:

Climate Stress Indices

- Heat Stress Index:
- Heat-Humidity Stress Index:
- Cold Stress Index:
- Fire Weather Stress Index:
- Precipitation Stress Index:
- Drought Stress Index:

Climate Hazards (chronic)

- Sea Level Rise:  Data is not modelled
- Water Scarcity**:
- Permafrost Extent:

**Generate Report**

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**Generate Report**

# The Business Case for Climate Adaptation Investment

Investing in climate  
adaptation leads to  
returns with an **average  
benefit cost ratio of**

**4:1<sup>1</sup>**