

Reinsurance Solutions

Flood Risk Management

Evolve your risk mitigation strategy **with**
location intelligence data, analytics and models

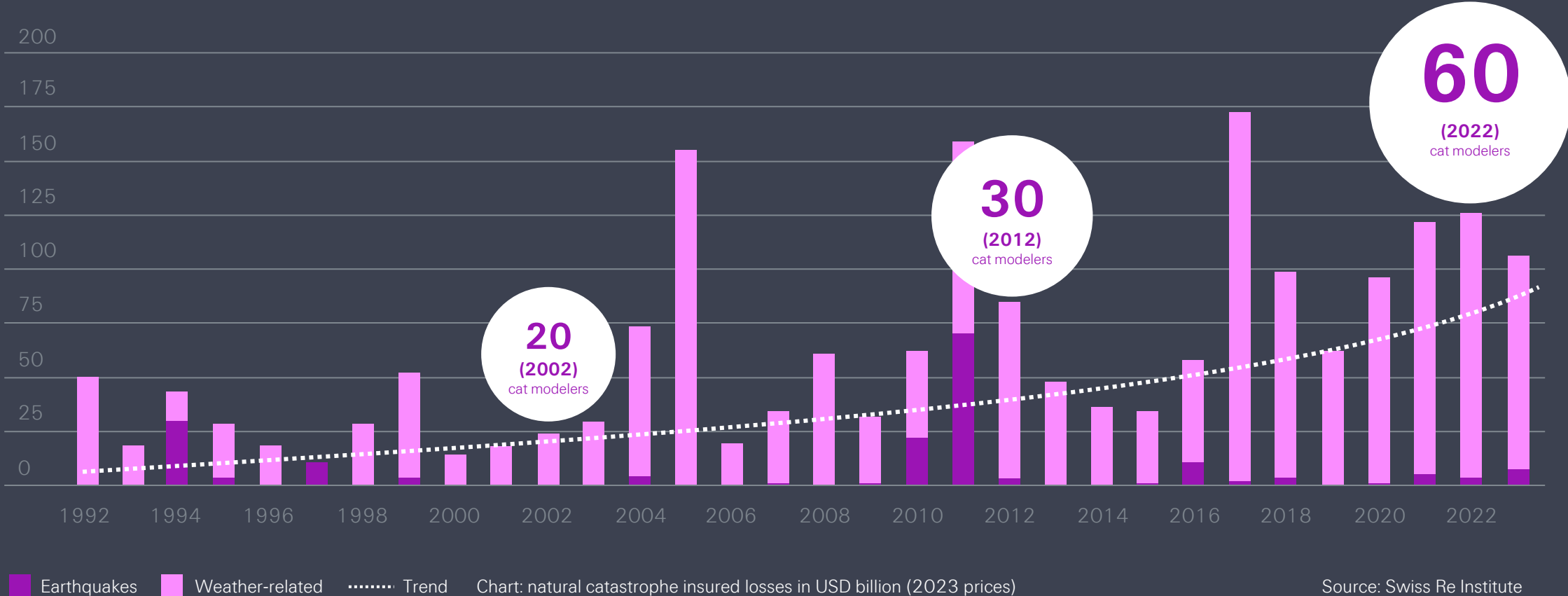
32nd IUHF World Congress
Berlin, 19 September 2024

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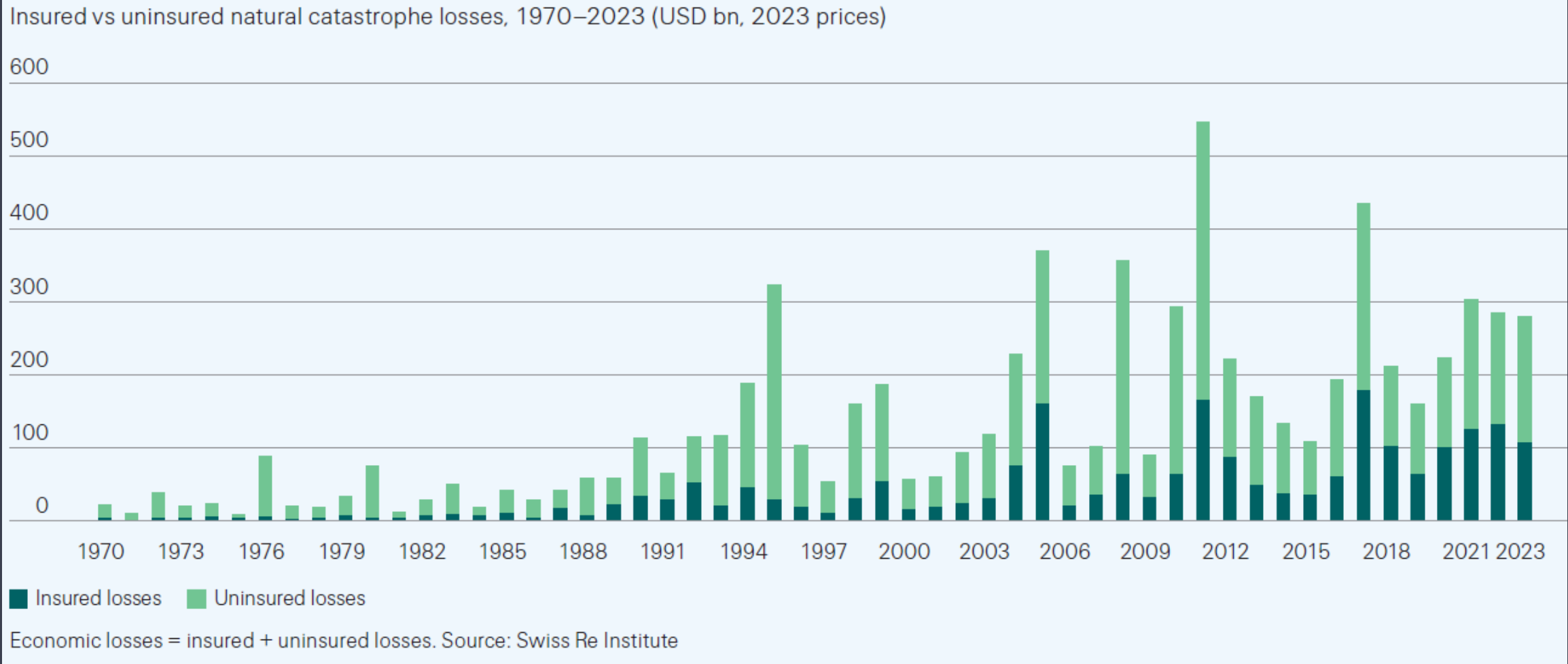


Swiss Re's investment matches insured NatCat losses

5-7% annual growth rate with a rising trend for both insured NatCat losses and number of cat modelers

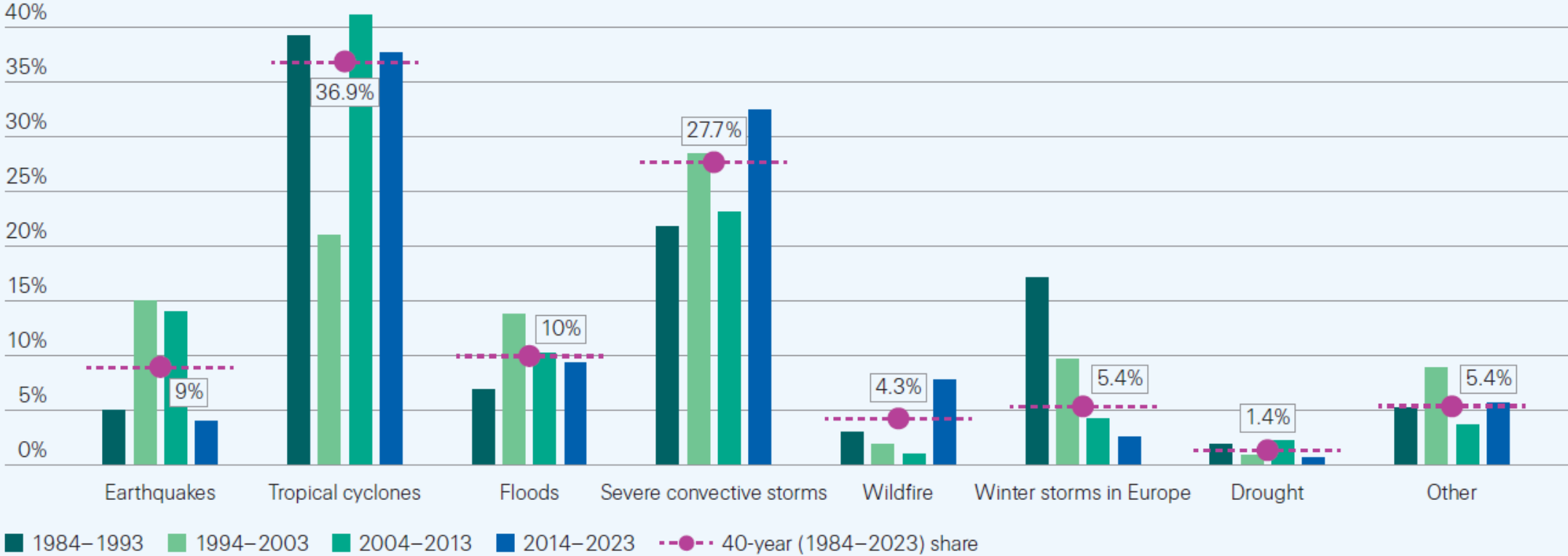


Large protection gaps in some markets



Floods still cause 10% of the losses, severe convective storm losses on the rise

Share of insured losses by peril type by decade, and 40-year average



Source: Swiss Re Institute

The multitude challenge:

In a world where catastrophe losses are growing more unpredictable due to climate change, multitude challenge emerges:

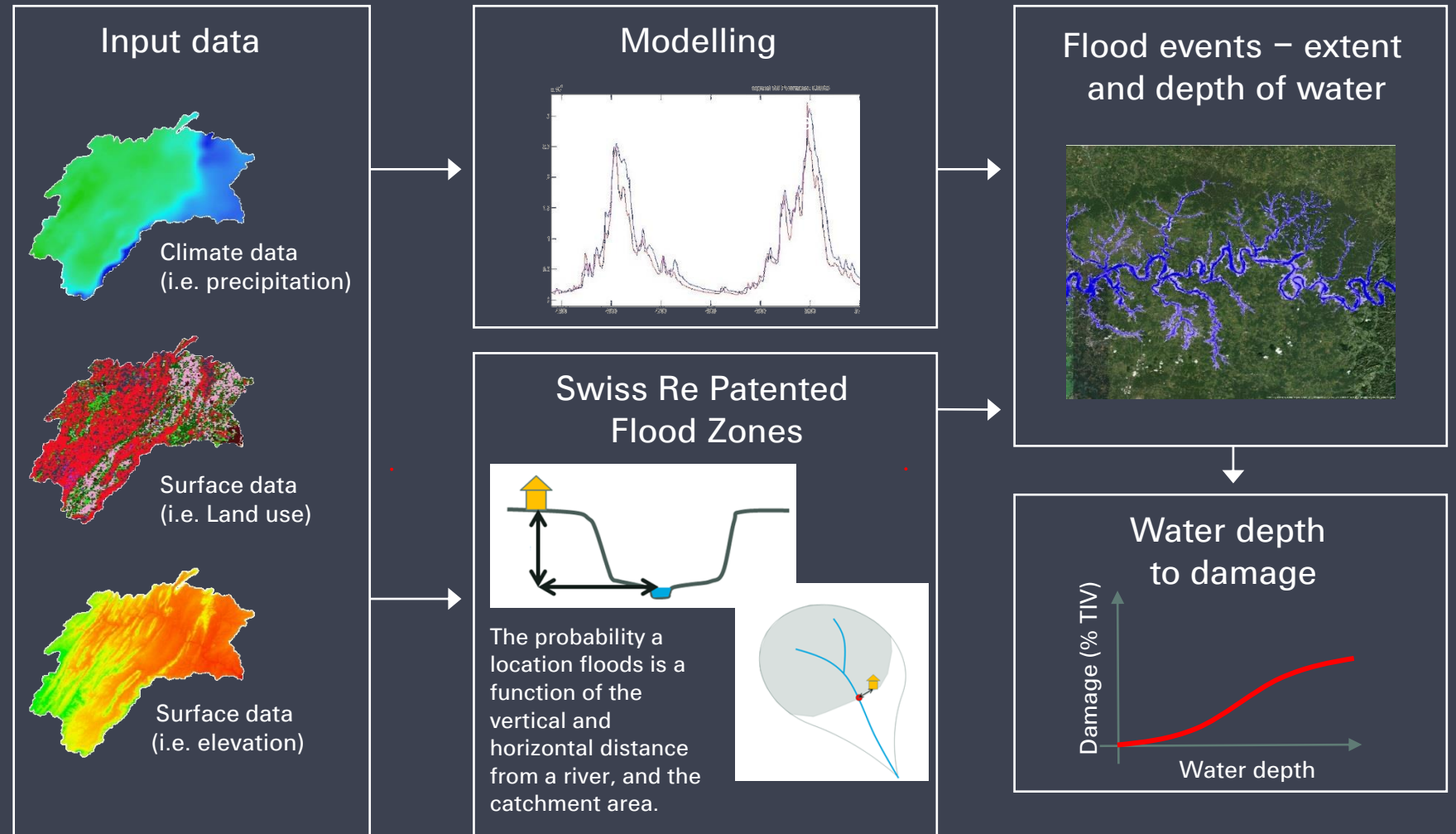
- Stable house prices and loan portfolios
- Consistent insurance premiums
- Avoiding large risk concentrations
- Efficiency through digital data flows
- Profitable growth

Our purpose-built solutions are tailored to tackle this very problem, ensuring the success of corporates, insurers and banks in an ever-changing environment.



Inland Flood Modelling:

Use of different data sets and modeling techniques to derive flood depths at different return periods



Reinsurance Solutions

CatNet® | Fathom Enhanced Flood Maps

This partnership combines Swiss Re's advanced platform capabilities with Fathom's award-winning Flood Maps and terrain data expertise. It offers CatNet® users access to the most advanced flood risk assessment and pricing tools available worldwide. Fathom's Flood Maps provide the complete picture for anybody seeking to understand flood risk.



State-of-the-art, science-driven technology



Up-to-date and accurate terrain data produced in 2023



Full peril representation globally: pluvial, fluvial, coastal



Extensively validated against high-quality local models and real-world events



More return periods



Incorporation of flood defences allowing defended and undefended views



Analyse your location

Behrenstraße 42
10117 Berlin
Germany

Fluvial Flood - Selected Offici...

Return Period [years]

- 2 years
- 5 years
- 10 years
- 20 years
- 25 years
- 30 years
- 50 years
- 100 years
- 200 years
- 250 years
- 300 years
- 500 years
- > 500 (US) years
- 1000 years

Fluvial Flood - Global Fathom Z...

Return Period [years]

- ≤50 years
- 100 years
- 200 years
- 500 years
- ≥1000 years

Waterbody

Altitude: 43.9m
[> DETAILS](#)

HAZARD INSIGHTS **EXPOSURE INSIGHTS**

HAZARD (3) OTHER MAPS CLIMATE CHANGE

Fluvial Flood - Global Fathom Zones

Hazard Risk Return Period
 Outside

Risk Score i ★
 Relative Score 0
 Category Score 1

Flood depth values (in m) for the lowest relevant return period, up to the highest return period... [Read more](#)

Source: [Global_Fathom_Flood_Zones.pdf](#)

> Undefended

> Defended

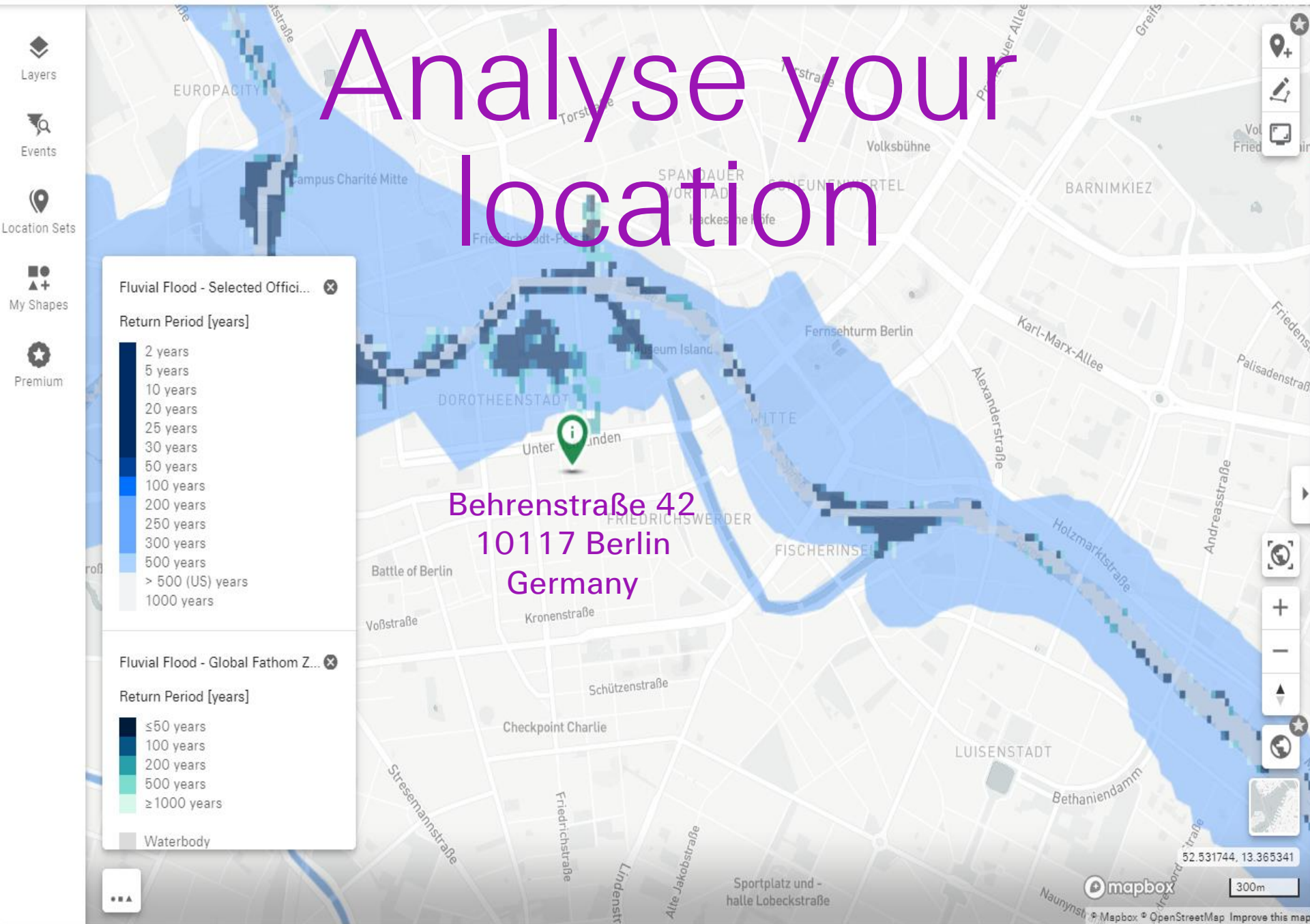
COLLAPSE

Fluvial Flood (Official)

Hazard Risk Return Period Intensity i
 Outside 1

EXPAND

[DOWNLOAD](#) [ANALYZE LOCATION](#)



- Layers
- Events
- Location Sets
- My Shapes
- Premium

Map navigation controls: location pin, layers, print, full screen, zoom in (+), zoom out (-), home, compass, and a 300m scale bar.

Any questions?

Thank you!

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