



Insurdata's technology is used by insurers and reinsurers to develop high-resolution, accurate location information, including peril-specific property attributes

Following a recent proof of concept, Paul Nunn, SCOR's Head of Catastrophe Modelling commented 'The approaches, tools and methods Insurdata has developed can make a material difference to modelled loss estimates'

What do they offer?

Insurdata technology is used by insurers and reinsurers to develop and augment building-level property insight. Peril-specific exposure attribute data is available from point of underwriting to portfolio management. Additional services include generation of 3D property-specific models.

This insight is generated through proprietary data augmentation methodologies. The technology works globally and has to date been used to augment client exposure data in 84 countries.

The information created using Insurdata technology has a material impact on exposure management and modelled loss estimates, impacting pricing, underwriting, portfolio management and risk transfer.

Insurdata's mobile and desktop technology is blockchain-enabled and is available through API.

The Oxbow Partners view

Traction: Founded only in 2017, Insurdata has been quick to make an impact in the industry. Multiple insurance executives called out this business as one to watch based on the results of their 2017 proofs of concept.

Potential: Insurdata has a world-class management team with decades of insurance modelling experience behind them (RMS). Early pilots in the first year of operation demonstrated impact beyond management's expectations, suggesting to us that this business will have impact in 2018 and beyond.

The 2018 challenge: Insurdata was in 'set-up' mode in 2017 with a team of experts in London and Denver. As client demand increases, the company will need to deliver at greater scale, globally.

Year founded: **2017**

FTE: **9**

Investment to date: **\$1.3m**

Key investors: **Menlo Ventures, Anthemis, PlugAndPlay and ManchesterStory**

Public insurance customers: **Baloise, reThought Insurance, SCOR**

Revenue growth 2016-2017: **No 2016 revenues**

2017 revenue band: **£50k - £1m**

Current countries: **Europe, US**

HQ: **Denver, US**

Tech Trend **AI & Data Insight**

Target Insurance Partners **Commercial lines**
 Reinsurance

“Thanks to Insurdata's technology, we will soon be better placed to assess the risks to which an individual property is exposed, allowing us to calculate risk on a micro level, building by building”

Nicolai Heitz,
Business Analyst, Non-Life, Baloise

What happens?

- Insurdata technology is available through API. Clients have accessed Insurdata technology through integration or consulting projects
- API integration is available through clients' internal systems or through third-party vendor technology at point of underwriting or retroactively through the post-bind portfolio management process
- Within the (re)insurance industry, exposure data is predominantly analysed using Microsoft Excel, and the Insurdata Microsoft Excel add-in is readily available
- Insurdata technology scales globally, and has to date been used to augment data in 84 countries through both consulting projects and API integration

Key Executives

Jason Futers
CEO & Founder

- 20 years experience in the (re)insurance risk management industry
- Executive at RMS, holding positions including Global Head of Sales, CEO and Director, RMS Japan and Head of Emerging Risk Innovation

Jeremy Sterns
CTO

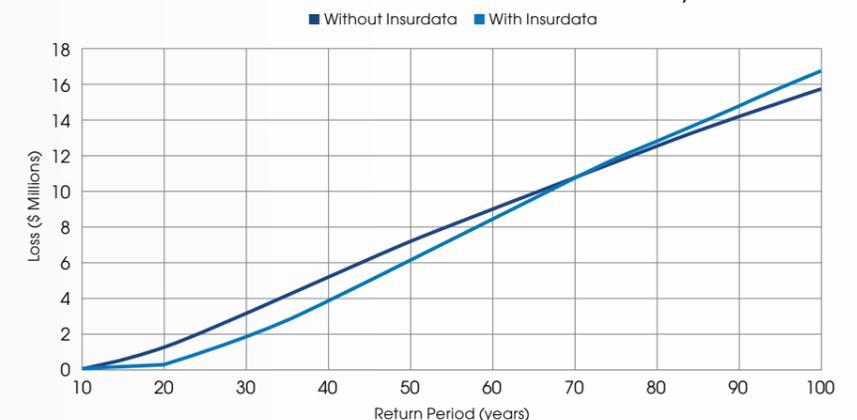
- Started career at Microsoft
- CTO to numerous data-driven small businesses over a 20 year period

Impact

A recent project resulted in material changes to the client's modelled loss estimates, including:

- **Average Annual Loss:** ~22% of exposures had a minimum ~5% change in average annual loss
- **Occurrence Exceedance Probability:** ~20% impact on return period modelled loss estimates

Modelled Loss Estimate Storm Surge Occurrence Exceedance Probability



Case Study 1

Client situation: The client's focus was on high-quality, high-resolution underwriting and pricing of US flood risks at point of underwriting.

What they did: Insurdata integrated its API into the client's underwriting process through Microsoft Excel, including primary exposure characteristics and key peril-specific attributes.

Impact: The client achieved a significant impact on understanding and pricing of risk.

Case Study 2

Client situation: A client wanted to understand the impact of high-resolution, accurate exposure information on its global earthquake portfolio.

What they did: The client commissioned a consulting project to assess a subset of its portfolio, including the US and UK, and multiple countries in Asia. Insurdata assessed the risk using augmented exposure information, Digital Elevation Model and soil data.

Impact: The client has a much deeper understanding of its portfolio, including the volatility of hazard data and potential loss estimates.

Future Applications

Insurdata's focus is on property data in key global markets.

Plans for future development and application of Insurdata technology includes the public release of its SDK (Software Development Kit), which has already been developed and global expansion into other exposure types and coverage.