CLIMATICS

Australia's most comprehensive database of historical acute and chronic severe weather hazards and warnings. Identify severe weather risk exposure of your policy holders against 11 hazards and whether your business is adequately protected. The data identifies changes in event intensity, severity, frequency and trends at any location since 1911.

Climate hazard can impact businesses of any size. Deliveries can be delayed, assets destroyed, and buildings and infrastructure damaged. The climate intelligence provided by Climatics can help you to identify your clients' most vulnerable assets, evaluate potential investment locations, plan ahead as risks evolve, re-evaluate annual mortgage and insurance premiums and satisfy any climate-related financial disclosure requirements of your business.
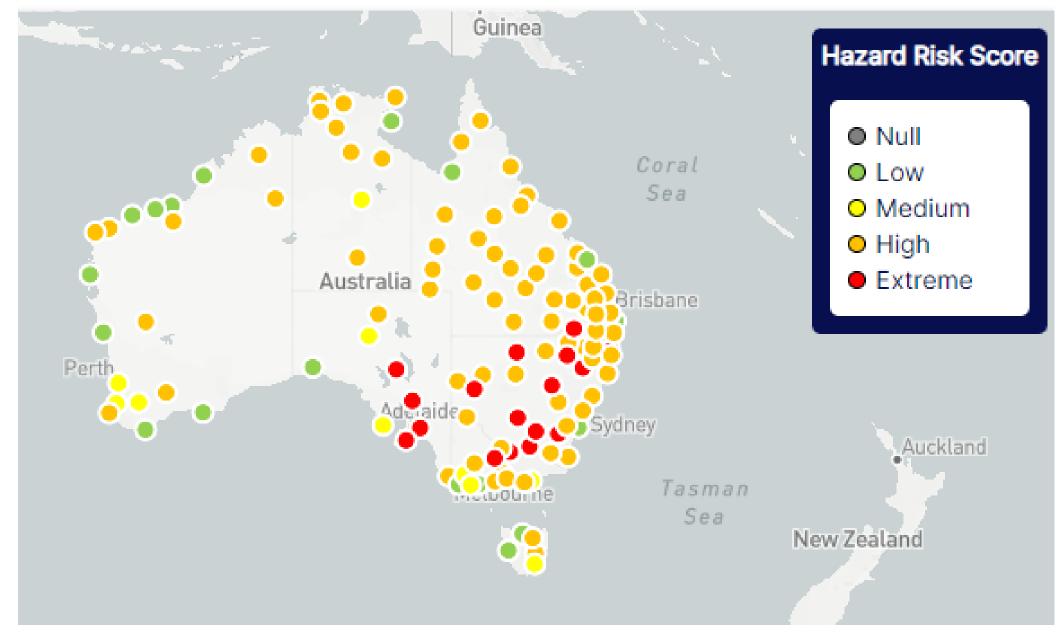
Climatics uses real, historic data developed by Early Warning Network, detailing climate hazard events across Australia going back decades, as well as the severe weather warnings our specialist team has been issuing since 2009. This proprietary dataset allows us to calculate the historic risk of severe weather events across Australia, identify how that risk has evolved, and infer future change in the next 1-10 years' time with the changing climate.

Climatics Key Features

Identify severe weather risk exposure of your policy holders against 12 hazards and whether your business is adequately protected.

Interactive climate intelligence for 12 hazards. Identify the number of severe weather events that have impacted your policy holders location.
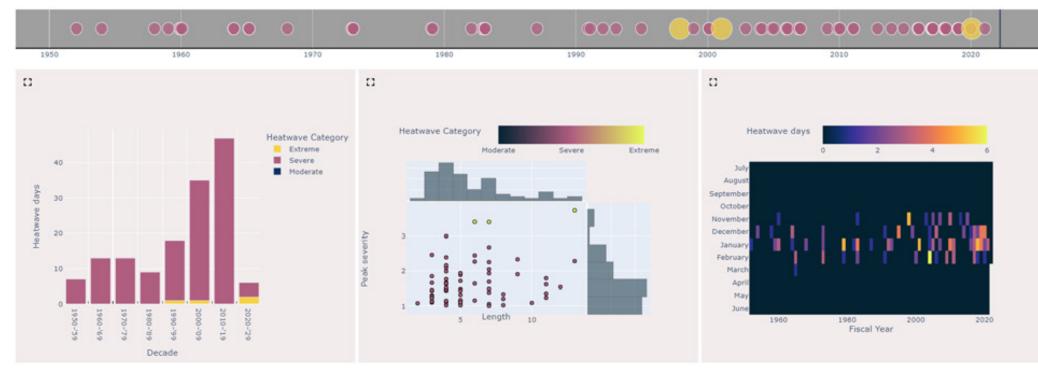
- Hail (3cm+ in diameter)
- Damaging Wind (90km/h+)
- Bushfire & Fire Danger Index
- Tropical Cyclones (Cat 1 - Cat 5)
- Thunderstorms
- Flood (Fluvial & Pluvial)
- Tornado
- Extreme Maximum Temperatures
- Extreme Minimum Temperatures
- Heatwaves
- Drought (Moderate, Severe, Extreme)
- Extreme Precipitation

Climatics Portfolio Mode
Portfolio breakdown of assets at risk of flood

Hazard specific metrics for your asset

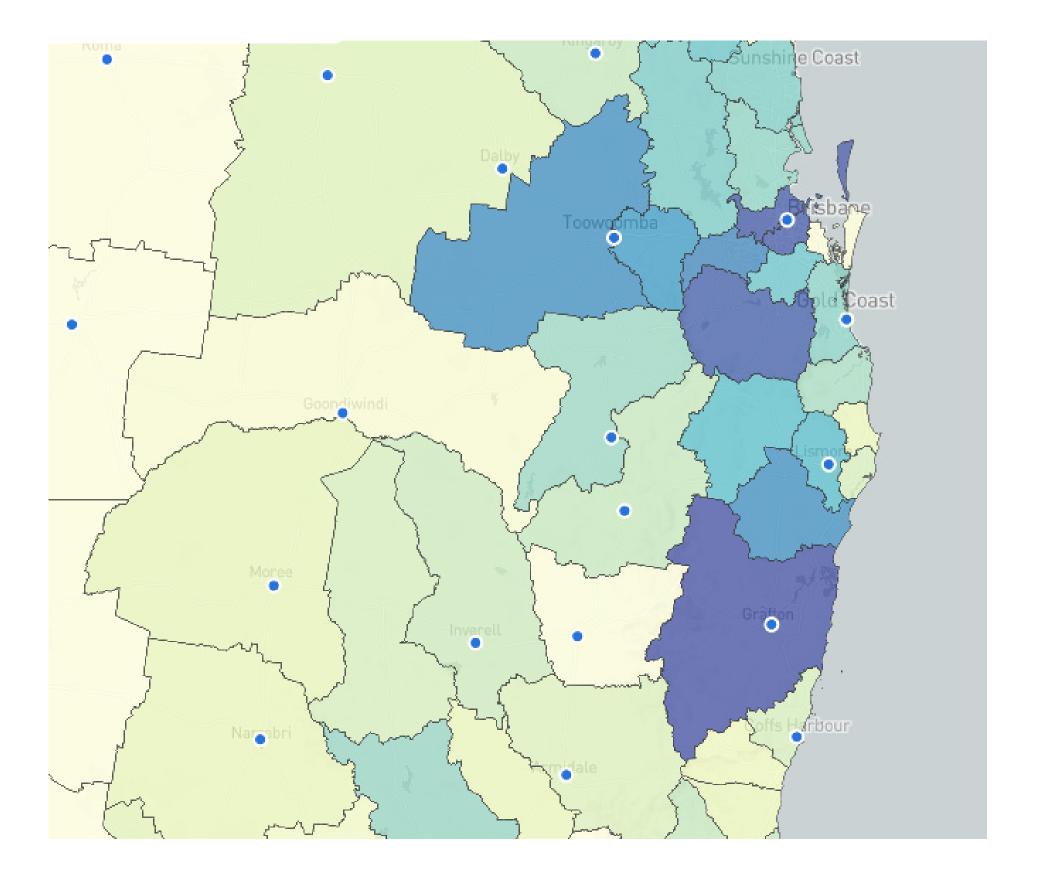| Risk Score	Data Start Year
Extreme	1950
Trend in Frequency	**Daily Exceedance >10mm Probability (%)**
Significantly Positive (p=0.033)	7.0
Historic Frequency (Days/Year)	**Present Frequency (Days/Year)**
3.0	4.02
Historic 99th Percentile (mm)	**Present 99th Percentile (mm)**
54.5	60.9
Record 24hr Rainfall (mm)	**Record 24hr Rainfall (Date)**
349.5	11/01/1998
Record 48hr Rainfall (mm)	**Record 48hr Rainfall (Date)**
521.4	16/01/1953
Record 72hr Rainfall (mm)	**Record 72hr Rainfall (Date)**
665.2	16/01/1953
Record Monthly Rainfall (mm)	**Record Monthly Rainfall (Date)**
1064.0	January 1953
Record Annual Rainfall (mm)	**Record Annual Rainfall (Year)**
2312.4	2000

Illustration of temporal changes at your asset

Gain the advantage through data insights

Climatics Exploration Mode
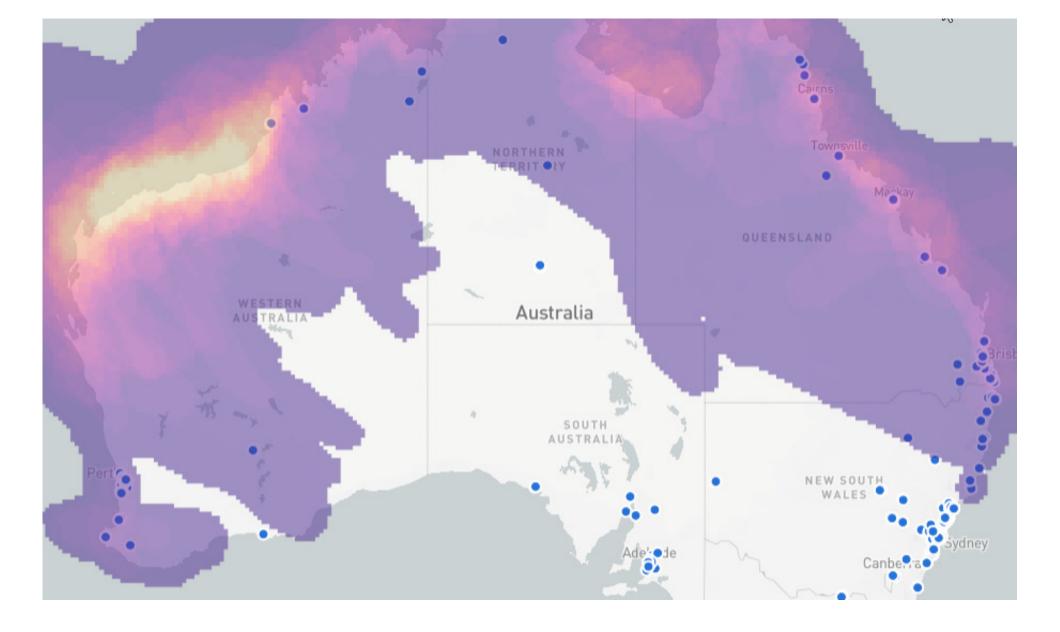Filter by Postcode, LGA & Suburb

Ensure you have the right coverage and premiums in place for maximum risk mitigation and ideal premium allocation relevant to your policy holders' location.
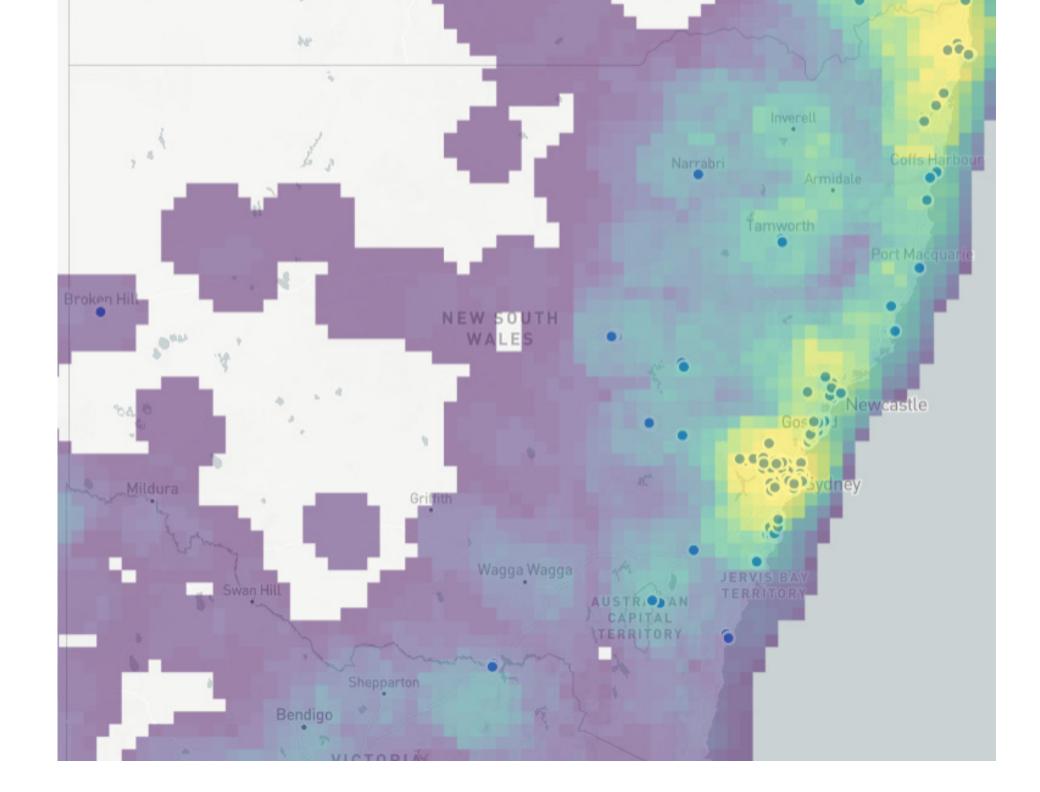
Determine the ideal premium pricing structures, balancing profitability and competitiveness. Develop tailored, value-driven products and services that meet the diverse needs of your clientele, fostering long-term loyalty.

With a simple to use, web-based interface, Climatics is available as platform or via API for seamless integration and includes unlimited reporting in pdf, csv and html formats.

Annual probability of tropical cyclone

Annual probability of hail

Combine our climate intelligence with your organisation's vulnerability and exposure information to assist with TCFD physical risk reporting.