

CLIMATICS

By Early Warning Network



The most comprehensive database of historical hazards and warnings provides the foundation of identifying changes in hazard intensity, frequency, and duration at any location in Australia since 1985.

Climatics lets you spatially compare historical hazard severity and probability using EWN proprietary hazard maps.

Identify all the hazards your asset has been historically impacted by and is at risk of in the next 5-10 years.

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

How can CLIMATICS help your business?

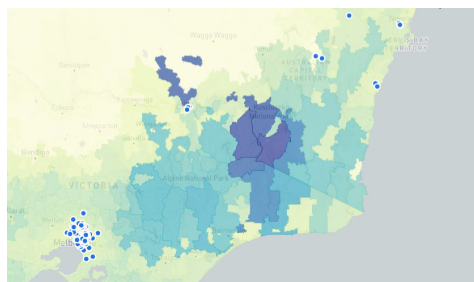
Climate hazard can impact businesses of any size. Deliveries can be delayed, crops can be destroyed, buildings and infrastructure can be damaged. The climate intelligence provided by Climatics can help you to identify your most vulnerable assets, evaluate potential investment locations, plan ahead as risks evolve, and satisfy any climate-related financial disclosure requirements.

How does it work?

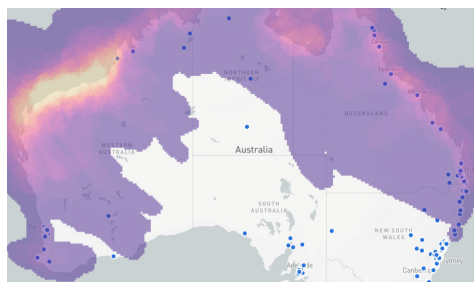
Climatics uses real, historic data developed by EWN detailing climate hazard events across Australia going back decades, as well as the severe weather warnings our specialist team has been issuing since 2009. This proprietary dataset allows us to calculate the historic risk of severe weather events across Australia, identify how that risk has evolved, and infer future change in the next 5-10 years' time with the changing climate.

Exploration Mode

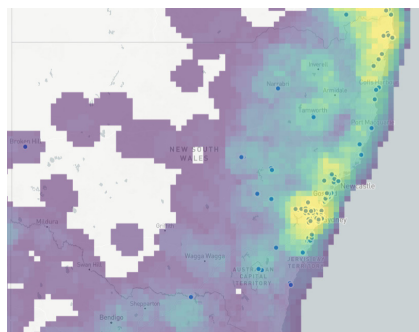
Severe wind event count by postcode boundaries



Annual probability of tropical cyclone

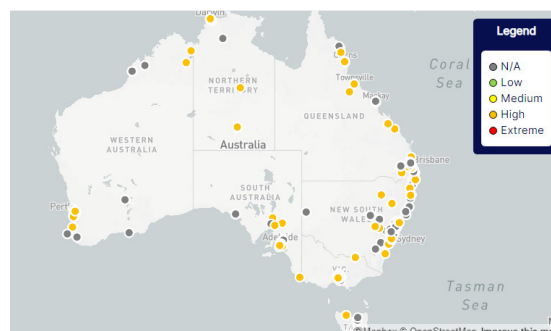


Annual probability of hail



Portfolio Mode

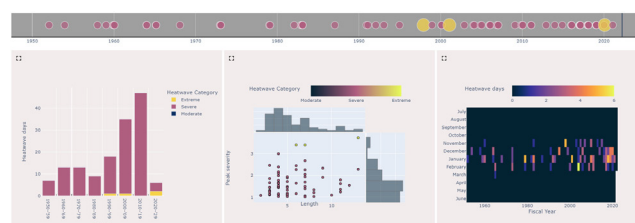
Portfolio breakdown of assets at risk of flood



Hazard specific metrics for your asset

Risk Score Extreme	Annual Exceedance Probability 12.57%
Average Frequency 1.34 fires per decade	Peak Month December
Land Use Vulnerable to Bushfire Yes	Maximum Fire Danger Index 30.3 - Very High (25/11/1982)
Trend in Frequency No Clear Trend	

Illustration of temporal changes at your asset



What do I get with Climatics?

- Training session (45 minutes)
- CSV of climate metrics for each of your assets
- Downloadable PDF report for your whole portfolio (metrics only)
- Downloadable PDF for a single asset (metrics only)
- Interactive climate intelligence for 11 hazards:
 1. Hail (3+ cm)
 2. Severe Convective Wind (90+ km/hr)
 3. Tornado
 4. Bushfire
 5. Tropical Cyclone
 6. Extreme Maximum Temperature (99th %ile)
 7. Extreme Minimum Temperatures (99th %ile)
 8. Heatwave
 9. Flood (Fluvial & Pluvial)
 10. Drought
 11. Extreme Daily Precipitation
- Filterable polygons for historical events since 1911 and alerts since 2009
- Hazard maps providing spatial intelligence for:
 1. Annual Probability of Occurrence
 2. Maximum Observed Severity
 3. Historical Event Count
- 100+ combinations of choropleth maps for historical events and alerts
 1. Australian Natural Resource Management Boundaries
 2. Australian Local Government Areas
 3. Australian Postcodes*
 4. Australia Suburbs*
 5. State Postcodes
 6. State Suburbs
 7. Greater Cities Postcodes
 8. Greater Cities Suburbs

→ **Get in touch for a demonstration today!**

