

High quality, robust,
defensible, actionable,
climate physical
assessment and risk
ranking platform

Introduction to the Climate Insights Climate Physical Assessment and Risk Ranking Platform

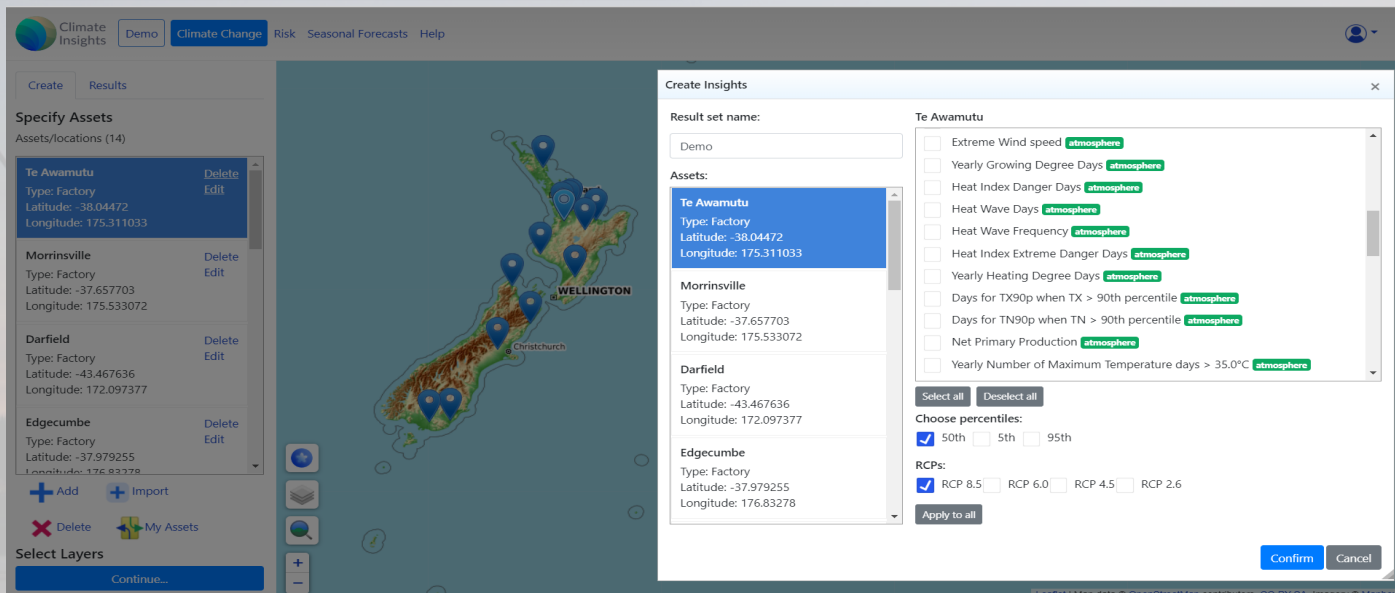


High resolution, monthly and daily GCM/
RCM downscaled patterns

Global coverage with localised data

Data-driven physical risk assessments
linked with asset risk scoring and ranking
methodologies

Fully exportable outputs—PDF and Excel



Global coverage
Over 40 variables
Multiple RCPs

Slow onset and extremes
GCM and RCM data
5th, 50th and 95th Percentiles

Atmosphere
Marine
Land



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Morrinsville (-37.657_175.533)

extreme_precip_24h_rcp85_pcmt50_cms:

year	2	5	10	25	50	100	200	500	1000
1995	58.4	77.8	93.4	116.9	137.6	161.3	188.6	231.3	269.5
2025	59.4	79.3	94.9	118.9	141.3	167.1	195.8	240.7	280.4
2050	60.6	81.1	96.6	121.2	145.7	173.8	204.0	251.5	293.0
2075	61.9	83.2	98.7	124.0	151.1	182.0	214.0	264.7	308.3
2100	63.5	85.6	101.1	127.2	157.1	191.4	225.5	279.7	325.9

growing_degree_days_rcp85_pcmt50:

year	value
1995	3888
2025	4103
2050	4352
2075	4654
2100	4999

extreme_wind_speed_rcp85_pcmt50_kph:

year	50	100	500	1000
2025	114	137	207	230
2050	114	138	207	232
2075	120	145	219	244
2100	127	154	234	260

TOPSIS_Rank	TOPSIS_JB_Score	TOPSIS_KM_Score	RSR_Rank	RSR_JB_Score	RSR_KM_Score
7	4	4	1	5	5
1	5	5	2	5	5
2	4	4	3	5	5
3	4	4	4	4	4
9	3	3	5	4	4
10	3	3	6	4	4
6	4	4	7	4	4
11	3	3	8	4	4
12.5	3	3	9.5	4	4
12.5	3	3	9.5	4	4
14	2	2	11	4	4
16	2	2	12	3	4
8	3	3	13	3	3
5	4	4	14	3	3
4	4	4	15	3	3
18	2	2	16	3	3
17	2	2	17	3	3
15	2	2	18	3	3
32	1	1	19	3	3
21	2	2	20.5	3	3
22	2	2	20.5	3	3
19	2	2	22	3	3
20	2	2	23	3	3
25	2	2	25	2	2

Extreme Precipitation (24 hour) (RCP 8.5) (RCP 8.5, 50th percentile) - mm

24-hour extreme rainfall in mm for the location for baseline (1995) and 2, 5, 10, 25, 50, 100 and 500-year return periods with future year time-steps. The result represents the statistical 50th percentile derived from daily GCM rainfall patterns.

Table Chart Both Side by side

Download chart Line chart Bar chart

