

Climate change is posing both risks and opportunities to your organisation – affecting assets, operations, and growth.

However, many organisations are struggling to access the consistent, high quality, and actionable climate data needed to identify their most material risk exposures, and support robust and transparent decision-making.

In response, KPMG has entered into a unique global partnership with ClimSystems and CLIMADA Technologies to provide affordable, site-level climate hazard, exposure, and vulnerability data.





C L I M A D A Technologies





Physical climate risk data services

We can provide you with actionable data to inform robust and timely decision making.



Our offering

Rapid, affordable, and robust assessment of climate hazard, exposure, and vulnerability, including:

- 70+ climate hazards and variables, available at a site-specific geospatial level (asset/location) down to 30m of granularity.
- Data sets aligned with major climate scenarios (e.g. SSP3-7.0) at 5th, 50th, and 95th percentile.
- Integrated impact quantification across multiple methods (e.g. Value at Risk for extreme events).
- Advisory support, including integration with our digital and risk management services (e.g. risk dashboards).



The value

- Cost-effective market-leading persite rates for level data quality compared to other providers.
- High-quality globally consistent data sets from the latest sources.
- Transparent open source, peer reviewed data, with full documentation for disclosure purposes.
- Globally consistent comparable data across global organisations, locations, and supply chains.
- Insights support from our Climate
 Risk and Digital teams to turn data into
 actionable insights.





Use cases



Compliance with global and local reporting requirements (inc. NZ CS 1, AASB S2, IFRS S2)



Socioeconomic impact modelling



Financial quantification and assessment of climate risks



Due diligence and asset screening



Business case integration and cost-benefit analysis



Adaptation and transition planning



Process & outputs

We provide a flexible, tailored service for hazard and/or impact quantification. A standard engagement typically includes the following steps:







1. Asset and hazard identification

We work with you to compile a register of climate scenarios, hazards and asset locations for screening, with consideration of your value chain and critical dependencies (e.g. infrastructure).

2. Hazard and exposure data

ClimSystems provides climate hazard projection and current/ anticipated exposure score data for assets, operations and value chain elements under different scenarios.

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3. Prioritisation of assets

We assess hazard data and identify **exposed assets**, then work with you to prioritise assets for impact quantification assessment, including vulnerability considerations.

data

Option for just hazard & exposure

4. Damage and financial loss calculation

CLIMADA complete damage and loss calculations for your assets and value-chain elements that are materially exposed to climate hazards.



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5. Prioritised physical risks to your business

We integrate qualitative and quantitative data, prioritise, and present your key physical risks with ERM-ready risk statements, including a shortlist of strategic risks.

Standard Outputs:

We have several output options depending on your needs.



1. Data extracts Option for XLS data files of hazard and/or impact quantification.



2. Climate risk and response report A report containing hazard exposure and vulnerability, with analysis and insights from our climate subject matter experts, including adaptation and strategic options.



3. Digital integration

Our digital team integrates climate hazard exposure and impact data into your platforms, such as:

- Geospatial risk dashboards;
- Enterprise risk management tools, and;
- Sustainability data and disclosure platforms.



Bespoke outputs and options

Including non-standard climate hazards, long-tail risks, network and place-based analysis and extended time horizons. We can help build comparable and aligned data views for multinational asset registers and to meet the requirements of different jurisdictions. Our expert team can support you with integrating this into socio-economic and transition analysis to provide a holistic view of climate impacts on your assets, services resilience and value.





For more detailed or technical information, reach out to our key contacts:



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