

Simplify Physical Climate Risk Analysis



Completing mandatory climate risk disclosures for the first time can be challenging. Our expertise and tools in physical climate risk analysis give you confidence in the results—freeing up your time to focus on the implications.

Our Climate Intelligence Suite delivers current and detailed models across time horizons and scenarios, generating risk scores across your portfolio and linking them to the financial impacts of climate damage. We've tailored access to our expertise and tools to align with the AASB S2 climate risk disclosure standard. The resulting report is ready for direct inclusion in your S2 submission.

Why This Matters

AASB S2 climate-related disclosures require you to understand and report the physical climate risks your assets, operations, and supply chains are exposed to. The standard mandates analysis across three time horizons and two climate scenarios.

You must also disclose the financial impact of these risks and explain how they are integrated into your strategy, risk management, and major decisions—demonstrating your organisation's resilience.

A Structured Approach to Climate Risk

Understanding how climate change may impact your assets and operations requires a structured approach across four key dimensions:



Hazards – Identification of climate-related events (e.g. floods, heatwaves, cyclones) likely to affect your sites and supply chains.



Exposure – Analysis of the levels of exposure of assets, infrastructure, and operations that are located in risk-prone areas.



Vulnerability – Evaluation of how susceptible these assets are to damage or disruption under plausible climate scenarios.



Financial impact – Identification of the scale of potential financial consequences of damage or operational downtime.

Climate Intelligence and Advisory for Climate Risk Disclosures

This offering is designed by our global climate experts to streamline and simplify your climate risk analysis for disclosure reporting. We combine our world-class Climate Resilience Advisory Services with the data models from our Climate Intelligence Suite.

By aligning our services with your company profile and strategy, we reduce cost, time, and complexity—while increasing your confidence in the results.

We deliver a tailored view of the climate risk to your assets and operations. The result is a **Risk Overview and Opportunity Identification Report** that meets the climate risk disclosure standard matched to your unique company profile and strategy.

Climate Risk Analysis for AASB2 includes:

01 Scenarios

Three IPCC-aligned climate scenarios selected and shaped by our experts:

- Low-Carbon (SSP1-2.6): ~1.8°C warming by 2100
- Medium-Carbon (SSP2-4.5): ~2.7°C warming
- High-Carbon (SSP5-8.5): ~4.4°C warming

02 Hazards

Five climate hazards relevant to your operations:

- Drought
- Flooding (pluvial/fluvial/sea-level rise/tidal)
- Heatwaves
- Cyclones
- Bushfires

03 Risk Scoring

Risk criteria most relevant to your business considering operational downtime, asset damage, safety, and supply chain disruption included in the analysis and generation of a risk score for your assets and operations.

04 Financial impacts

Estimated damage costs for key assets applied across your portfolio.

What You Receive:

We provide a concise, decision-ready report suitable for inclusion in your AASB S2 climate risk disclosure, covering:

Risk Overview

- Hazards: Spatial mapping of climate hazards across your sites and routes under two contrasting climate scenarios.
- Vulnerability: Analysis of how your assets respond to hazards, including general failure modes. Where applicable, we apply operational thresholds (e.g., wind speed limits for elevated equipment).
- Financial impact: Estimated damage costs for key assets, with risk scores applied across your portfolio.
- Supporting information on scenarios, timeframes, parameters, assumptions, and certainty levels.

Opportunity Identification

Our team also highlights opportunities for resilience, adaptation, and operational improvements uncovered during the assessment.

About Haskoning

Haskoning is an independent international consultancy that combines engineering, design and consultancy services with software and technology. Based on our mission Enhancing Society Together, we take responsibility for having a positive impact on the world and contributing to the United Nations Sustainable Development Goals.

Our 6,800 employees are spread across offices in more than 25 countries worldwide – working together with clients on future-proof solutions. As of 1981 we are a Royal company, as designated by the Royal House of The Netherlands.
www.haskoning.com

Want to know more about our expertise?



Stella Whittaker

Climate Change Adaptation and Resilience Lead - Australia

☎ +61 473 474739

✉ stella.whittaker@haskoning.com

