

## 7.2

# SCENARIO ANALYSIS

## Resources for scenario analysis

### Important notice

This unit is part of a package of learning materials designed to support understanding of foundational concepts relating to climate-related financial disclosures. These learning materials do not constitute application or regulatory guidance for the preparation of climate-related financial disclosures and are not intended to represent legal or professional advice. We encourage you to seek your own professional advice to find out how the *Corporations Act 2001* (Corporations Act) and other relevant laws may apply to you and your circumstances, as it is your responsibility to determine your obligations and comply with them.



### Key topics

- Useful, open-access information for building scenarios

## Relevance for climate-related disclosure

There are a number of publicly available resources that may help entities conduct climate-related scenario analysis, alongside various other inputs and data sources (see Module 3 Unit 8 for data sources). Use will depend on your entity's particular facts and circumstances.

This unit introduces resources available from the Australian Government, and state and territory governments and international organisations.

## Overview

Entities may consider information from external sources or develop resources internally.

Different resources are available to entities that may help with conducting scenario analysis. Such resources include information about climate risks and impacts across regions in Australia, hazard, risk and vulnerability maps, climate data sets and sector-specific plans. The Australian Government, along with state and territory governments, continues to develop new tools and resources.

## External resources that can help you understand scenario analysis

Entities may consider information from external sources or information developed internally to help inform climate-related scenario analysis. Public information is available from useful sources like the Australian Government or state and territory governments. This includes emerging guidance material and common platforms.

Scenario information is available for free from a range of sources, and sector-based information is planned to be developed by the Australian Government which will allow entities access to information that aligns with their sector's circumstances.



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## National resources

### National Climate Risk Assessment

The Australian Government released the National Climate Risk Assessment in September 2025.

The National Climate Risk Assessment describes the impact on 11 priority risks for Australia, using three global warming levels (1.5°C increase, 2.0°C increase and 3.0°C increase) across three time horizons: current, 2050 and 2090. The priority risks include supply chains, coastal communities and primary industries, among others. The National Climate Risk Assessment also identifies 10 priority hazards including drought, bushfires and tropical cyclones, and describes risk across 10 regions covering all of Australia.

The National Climate Risk Assessment can be used by entities to understand key risks at national, regional and local scales. It includes a number of comprehensive reports on future climate and hazards, sectoral and economic risks, and data exploration tools. All of these resources are available on the [Australian Climate Service](#) website.

### Climate Change in Australia

Introduced in Module 3 Unit 8, the [Climate Change in Australia](#) website provides a range of climate projection tools and data, suitable for beginners through to advanced users. This includes downloadable 'application ready'<sup>1</sup> datasets developed from the latest generation of global climate models for a variety of climate hazards. The site includes a decision tree to help you find the information that might be applicable to your entity.

### Australian Government Policy Documents

To better understand transition risk, entities may find it useful to review current policy documents and plans to understand any risks from policy. A number of these are covered in other modules (Module 2 Unit 8 and Module 4 Unit 2), but entities could start with:

- › [Climate Action in Australia](#) (Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW) website) - provides links to key documents on climate activity of the Australian Government, including emissions reduction, adaptation, energy, sector plans, etc
- › [Net Zero Plan](#) outlines the Australian Government's plan for achieving net zero and ensuring an orderly transition. Six Sector Plans support the Net Zero Plan and include plans for: electricity and energy, agriculture and land, the built environment, industry, resources, and transport
- › [The National Adaptation Plan](#) outlines how the Australian Government plans to support communities and industry to adapt to climate change. It establishes a framework for Australian Government action, outlines existing roles and responsibilities for adaptation, and details current and future focus to support adaptation

### State and territory resources

In addition to resources available from the Australian Government, most Australian states and territories have provided detailed information and tools that may be useful to assist in developing climate scenarios. Depending on specific needs these may be a helpful starting point as they can offer some of the most accessible and user-friendly sources of information.

A summary of these tools is provided in Module 3 Unit 8, Table 1.

### International resources

Guidance is available from international organisations that may be useful for entities with exposure to climate-related risks and opportunities due to international supply chains or entities that have overseas subsidiaries, joint ventures or other operations globally. These include:

- › [The Intergovernmental Panel on Climate Change](#) (IPCC), which holds all the data and guidance on the development scenarios that contribute to their Assessment Reports



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- › The scenarios developed by the International Energy Agency (IEA) which outline global energy analysis and projections about energy demand and supply, and
- › The [Network of Central Banks and Supervisors for Greening the Financial System](#) (NGFS), which has developed comprehensive scenario guidance and data for download, and includes global, regional and Australian information.

## Key takeaways

- › Publicly available information may help entities prepare climate-related scenario analysis – such as guidance, tools, and datasets provided by the Australian Government or state and territory governments.
- › The latest available data is from 2025 in the National Climate Risk Assessment (including supplementary guidance and data sets), Net Zero Plan and sectoral decarbonisation plans.
- › The Australian Government continues to develop new resources that can assist entities with climate-related scenario analyses.

## Sources and explanatory notes

<sup>1</sup> 'Application ready' datasets have been processed and formatted to be used without further processing or specialist expertise. The data has been downscaled to an appropriate resolution, corrected for any known biases in the raw model outputs, and presented in ways that better suit users' needs. Application data can also be input directly into various risk assessment tools such as growth models, for exploring possible impacts on crop yields.



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