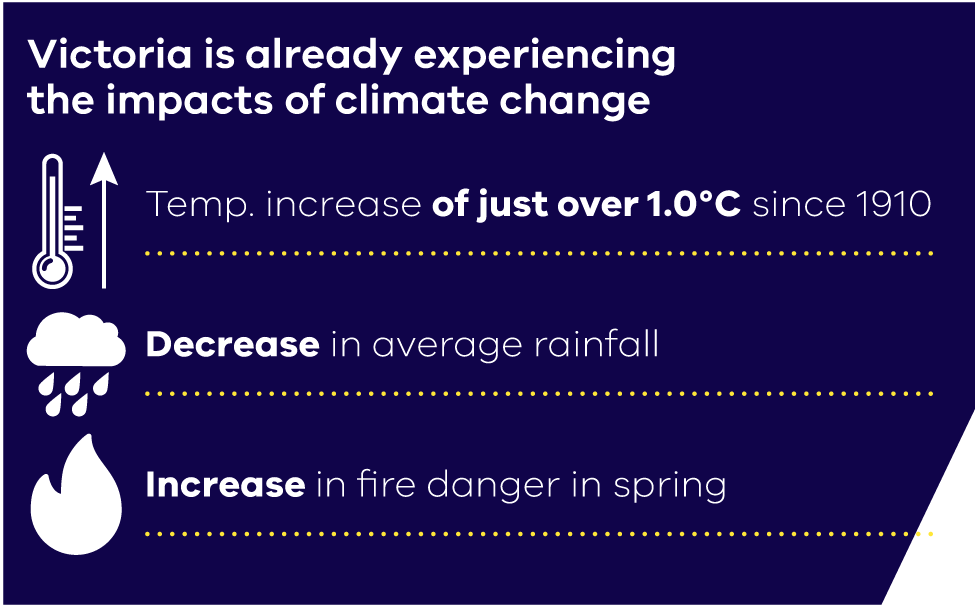
Victorian climate change data and information   
for local government

This factsheet provides a snapshot of the climate information and data available for Victorian councils to use,   
and a decision-tree to help determine which resource might be best suited for a particular decision or action.

Understanding and managing the risks of climate change to council assets, services and local communities are critical responsibilities of local governments.

When making decisions in a changing climate, councils can no longer rely on the historical climate trends as a good indicator of the climate we can expect in the future.

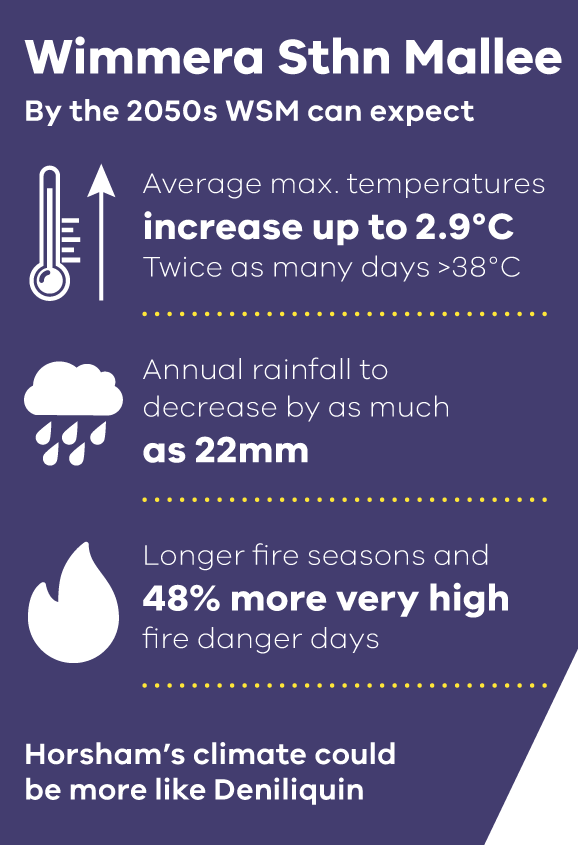
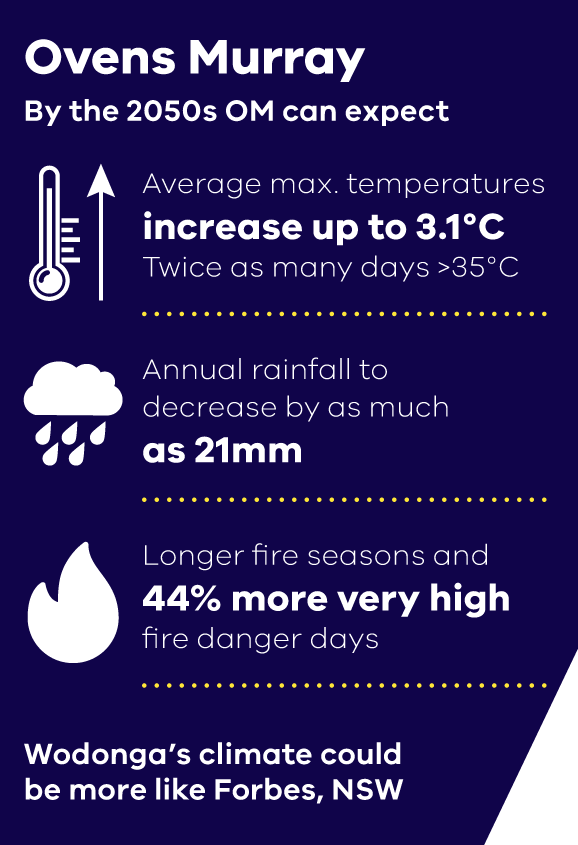
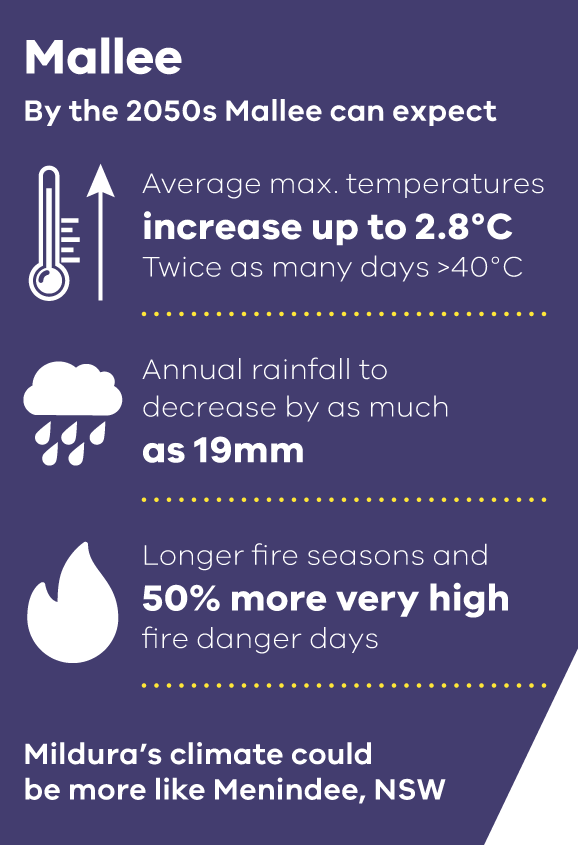
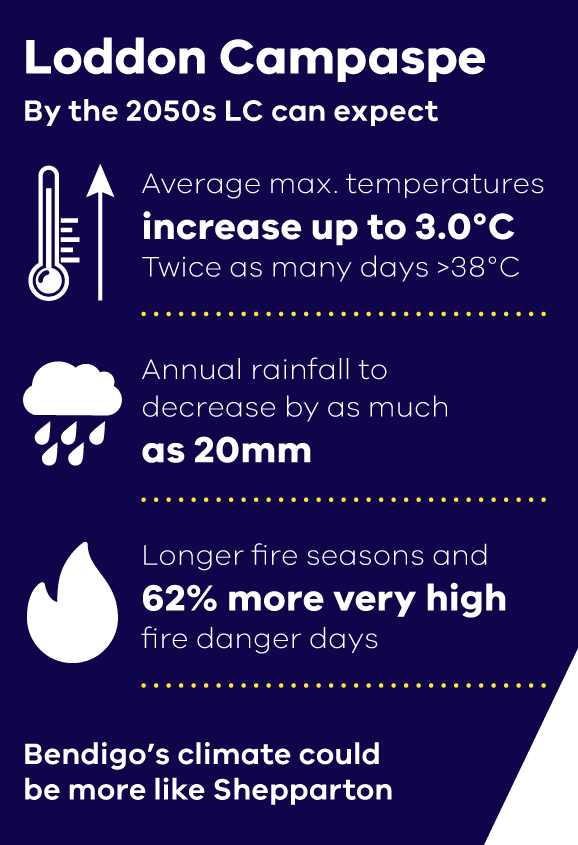
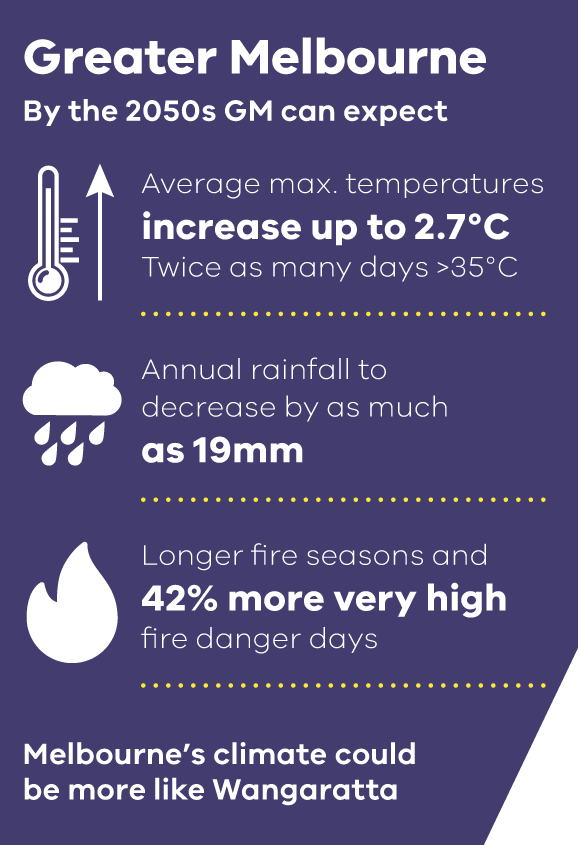
Instead, we must draw on climate models to project possible future climates and plan in ways that allow   
for uncertainty.

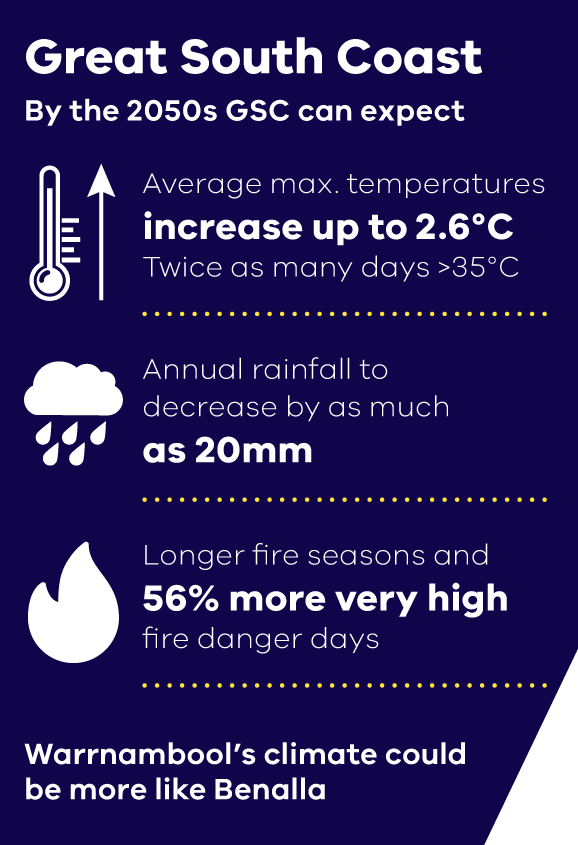
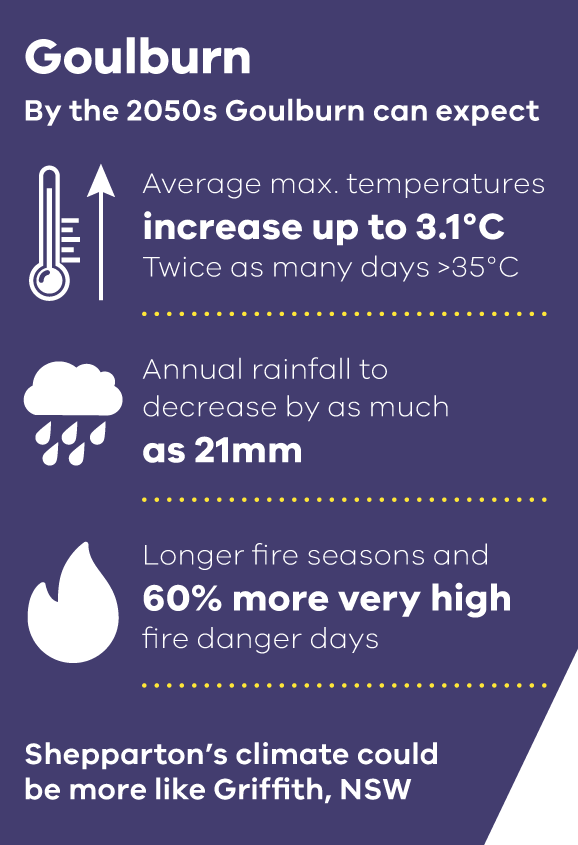
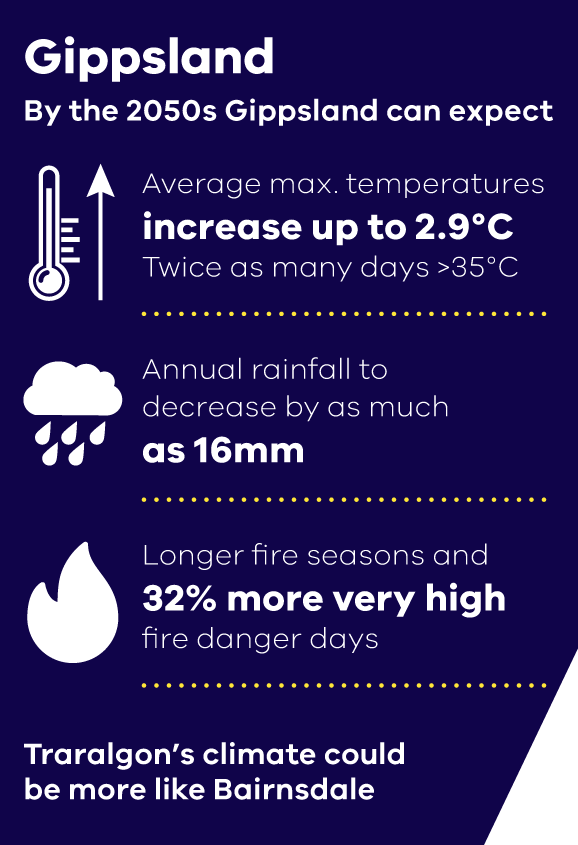
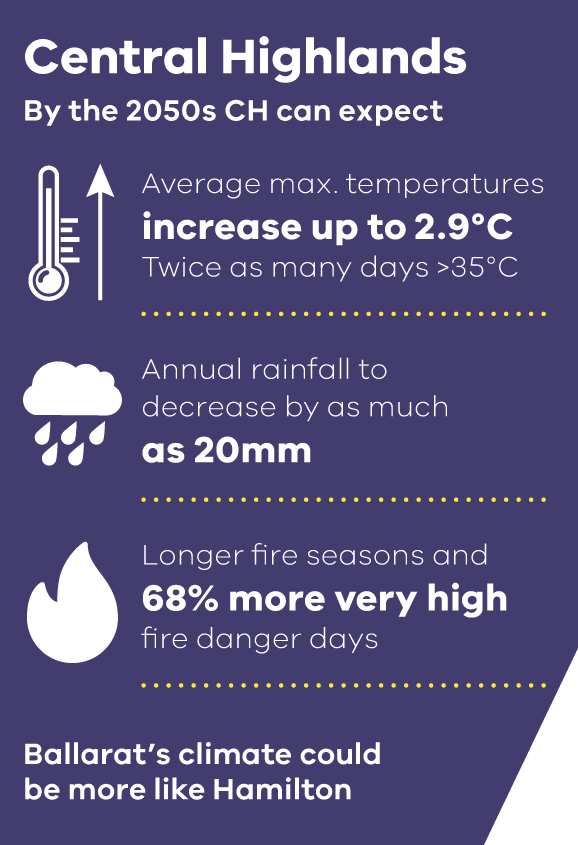
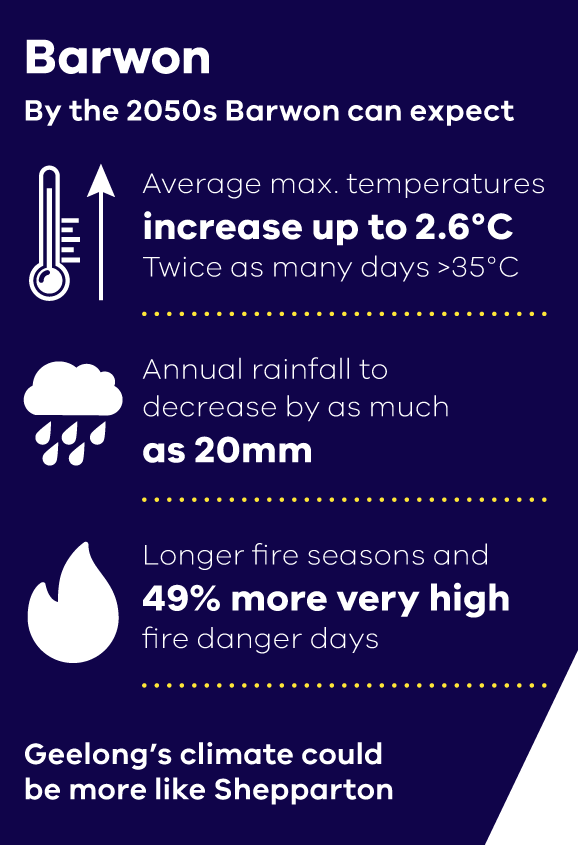
The Victorian Government partnered with CSIRO’s Climate Science Centre to develop new local scale climate projections for Victoria at a 5 km grid. The projections cover average and extreme temperature   
and rainfall, relative humidity and evaporation to the 2090s for moderate and high emissions scenarios.

Based on the best available climate science, Victorian Climate Projections 2019 provides a solid evidence base for management, planning and policy decisions that will result in a more resilient Victoria.

Victoria’s Changing Climate

Climate projections for Victoria indicate the state is likely to become hotter and drier in the future, and the timing and extent of these changes will vary across regions. These snapshots show what the projections indicate for each of Victoria’s regions for the 2050s (compared to 1986–2005) under high global greenhouse gas emissions.

Victorian climate change information and data   
products available

DELWP have worked with CSIRO and the   
Bureau of Meteorology to produce a range   
of resources to help plan for a changing   
climate. These include:

[Victoria’s Climate   
Science Report 2019](https://www.climatechange.vic.gov.au/climate-science-report-2019)

A summary of the best available scientific   
evidence on current and future climate   
for our state, including observed changes   
over recent decades.

Understanding the drivers and impacts   
of these changes, as well as what we   
can expect in the future, will help us to   
plan and adapt.

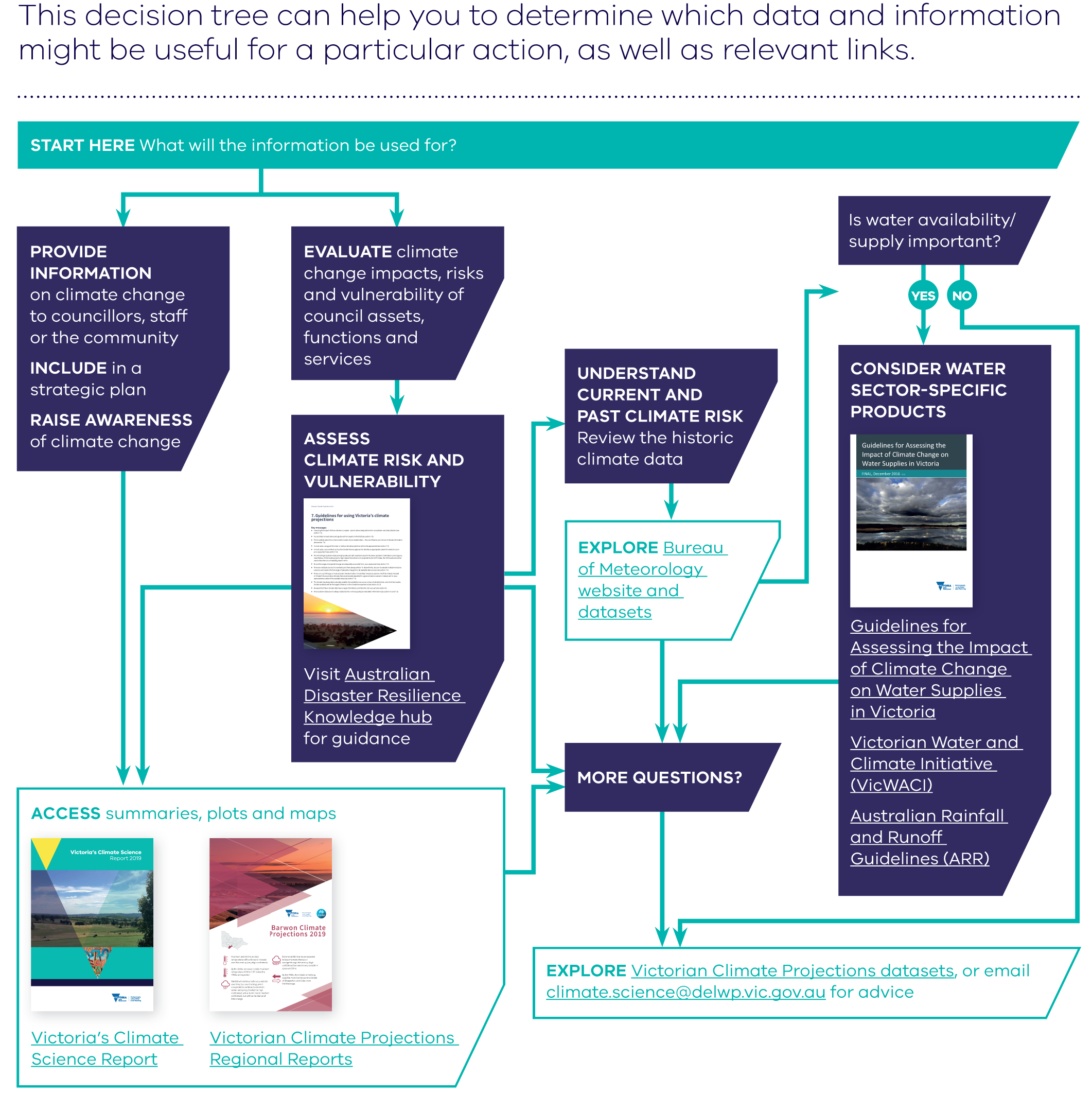
[Regional Reports](https://www.climatechange.vic.gov.au/adapting-to-climate-change-impacts/victorian-climate-projections-2019)

A selection of the Victorian Climate   
Projections findings for each of   
Victoria’s Regional Partnership regions   
and Greater Melbourne to help you   
understand how the climate will change   
in your region.

[Technical datasets](https://www.climatechangeinaustralia.gov.au/en/climate-projections/future-climate/victorian-climate-projections-2019/vcp19-accessing-datasets/)

Can be used by technical specialists   
for use in climate risk assessments   
and impact modelling to understand how   
particular systems may respond to   
climate change.

Choosing the climate information or data product for your needs

Different questions or decisions need information   
and data at various levels of detail and complexity.

It is important to consider the level of detail of the   
information you need, as not all decisions will require   
detailed data analysis. Some assessment and scenario planning can be done on basic information about trends,   
which can be easily found in the Regional Reports   
and Victoria’s Climate Science Report 2019. It is also   
always important to consider the impact of climate   
change alongside the impact of other changes, such  
 as population, economic and technology changes.

The [Victorian Climate Projections 2019 Technical Report (chapter 7)](https://www.climatechange.vic.gov.au/adapting-to-climate-change-impacts/victorian-climate-projections-2019) provides guidance on how to incorporate   
the projections information into adaptation, vulnerability   
or impact assessments and the decision tree presented   
here is a simplified summary of that guidance.

[](https://www.climatechange.vic.gov.au/__data/assets/pdf_file/0023/73049/Climate-Change-Risks-to-Local-Government_FINAL.pdf)