

Understanding impacts and risks from climate change in Nelson Tasman

Please join us for a workshop

Context

Over the years, we have seen frequent and severe extreme weather events. In 2018, cyclones Fehi and Gita swept the region one after the other causing havoc. In 2019, a hot dry summer resulted in a large fire across Pigeon Valley forcing Wakefield residents to evacuate. Last August, continuous heavy rain caused severe landslips and floods in and around Nelson, dramatically impacting our communities and demanding long and expensive recovery work. These events impose a heavy cost on communities, businesses and councils, not just financially, but also emotionally, socially, and environmentally.

We are also seeing changes in weather patterns and ongoing gradual change like sea-level rise. These gradual changes affect, and will continue to affect, the environment, people, communities, and the regional economies.

Tasman District Council and Nelson City Council are taking action to understand how a changing climate and worsening climate-related weather events may impact what we care about. To this end, both councils have been working on a joint Regional Climate Change Risk Assessment that can inform the development of a range of adaptation options and strategies.

We believe that by working together to understand the risks posed by climate change, we can ensure our region thrives despite disruptions and ongoing change. Please consider joining us and bring your local knowledge, unique perspective, and expertise to our workshops.

When	Area considered	Venue
Monday 6 November 9.00 am to 12.30 pm	Nelson centre, the Wood, the marina, the port	Nelson Centre of Musical Arts 48 Nile street, Nelson
Monday 6 November 12.30 pm to 5 pm	Tāhunanui, Monaco, the airport	Nelson Centre of Musical Arts 48 Nile street, Nelson
Tuesday 7 November 10:30 am to 2.00 pm	Tākaka, including Pōhara, Tata Beach, Ligar Bay, Pūponga, Patons Rock, Collingwood	Rec Park Centre 2032 Takaka Valley Highway
Wenesday 8 November 8:30 am to 12.00 pm	Richmond and surrounds	Cricket Oval at Saxton Field 142 Saxton Road, Stoke
Wednesday 8 November 1:30pm to 5 pm	Motueka and surrounds	Motueka Memorial Hall 8 Pah Street, Motueka
Thursday 9 November 9.30 am to 12.30 pm	St Arnaud and surrounds	Lake Rotoiti Community Hall 22 Main Road, St Arnaud

How are we assessing risk?

We need to understand the potential effects of climate-related hazards on the environment, communities, infrastructure, and our economies so that we are ready for what may happen in the future. Just like mapping a road trip, we want to chart the best course by identifying potential bumps along the way.

Facilitated by some of Aotearoa New Zealand's leading risk experts, we will explore together what climate change might mean for the seven locations listed above:

- The most significant threats and opportunities from climate-related hazards facing those areas, and
- How these impacts may cascade and cause unforeseen impacts across our local infrastructure, social networks, businesses, and ecosystems.

Our collective effort will then support the development of an interactive risk tool that councils, iwi, asset managers, and our communities can use. This tool will empower us all to understand the challenges and opportunities that lie ahead and prioritise risk effectively across our region. Your insights contribute to the final report and interactive risk platform, shaping the future of our community.

What to expect in the workshop

We will explore a spectrum of climate scenarios and brainstorm the potential impacts of a changing climate on our region now and far in the future.

We have already engaged a number of regional experts and partners to support our understanding of the regional impacts, but we want to understand what the localised effects may be.

In this risk assessment phase, we are organising several 'place-based' workshops, each focused on the wider range of risks from specific hazards expected in the area and the composition of the community. Specifically, we will ask you to review maps of your community under different climate hazards and explore with us what that means in terms of threats and opportunities across the built, natural, human, economic, and governance 'domains' (see page 3 for more information on what we refer to when talking about the 'domains').

How your input will make a difference

Your role in this process is invaluable. You bring local knowledge and technical expertise that helps us grasp the nuances and urgency of the risks we face. By engaging together as groups, we will discern which risks matter most and how best to address them. The workshop outputs will be instrumental in crafting an adaptation roadmap and establishing council adaptation priorities for Nelson and Tasman.

For more information contact

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Nelson Tasman Climate Change Risk Assessment – Additional information

What are the well-being domains?

Domains are groups of things we value as a society. This climate change risk assessment uses five domains, in line with the Ministry for the Environment - Manatū mō te Taiao guidance. They are a way of breaking up our complex and interconnected world into examinable pieces. A key part of assessing climate change risk is also to consider the interconnections and cascading impacts across the domains. We will ask you to consider these interconnections during the workshop.



The set and arrangement of inter-related production, distribution, trade, and consumption that allocate scarce resources.



The governance architecture and processes in and between governments, and economic and social institutions. Institutions hold the rules and norms that shape interactions and decisions, and the agents that act within their frameworks.



People's skills, knowledge, and physical and mental health (human); the norms, rules, and institutions of society (social); and the knowledge, heritage, beliefs, arts, morals, laws, and customs that infuse society, including culturally significant buildings and structures (cultural).



The set and configuration of physical infrastructure, transport, and buildings.



All aspects of the natural environment that support the full range of our indigenous species, he kura taiao (living treasures), and the ecosystems in terrestrial, freshwater, and marine environments.