

Climate Change 101

Resources for Education & Learning

Description: These resources support our boards, investment committees, staff, volunteers and stakeholders through information on the systemic causes, impacts and solutions of climate change, and the implications for our work.

In Aotearoa New Zealand, we respect that Indigenous teaching and traditional ecological knowledge are essential to our learning journey and climate justice.

Mātauranga Māori is referenced throughout this document as a form of traditional ecological knowledge.

**Ko te manu e kai ana i te miro, nōna te
ngahere. Ko te manu e kai ana i te
mātauranga, nōna te Ao.**

*The bird who feeds on the miro berry,
has the forest. The bird who feeds on
knowledge, has the world.*



1. Climate Change 101 Resource

Resource Link	Description
<u>Climate 101</u>	An explanation of climate change basics by the <u>Climate Reality Project</u> to explain the what, how and why of climate change. Useful to make sure your stakeholders are all on the same page.
<u>Talk Climate to Me Resources</u>	A variety of resources on climate change, including <u>Engaging public and how to talk Climate</u> , other resources on <u>Decolonisation</u> and <u>Tika Transition</u> and a <u>A careful revolution</u> . Useful for getting started.
<u>Climate ABCs</u>	An A-to-Z outline of essential <u>climate-related vocabulary</u> .
<u>Climate Reality Check 2021</u>	A straightforward guide outlining the current state of the climate crisis, published by the <u>Breakthrough National Centre for Climate Restoration</u> , a think tank in Australia. Useful to understand the urgency of the climate crisis.
<u>What is Climate Change? A Really Simple Guide</u>	A brief overview of the basics, by the BBC, explaining climate change and its implications.
<u>Climate Risks Slide deck</u>	This simple slide deck builds on a basic understanding of climate change and outlines the transition and physical risks of climate change - including the risk of inaction. Published December 2021 by the ClimateWorks Foundation. Useful for people who are familiar with risk management and to share with your ELT and board.
<u>This Climate Crisis Report Asks What is at Stake? In Short, Everything.</u>	An overview of the most recent <u>Intergovernmental Panel on Climate Change (IPCC) report</u> on the state of the climate crisis, published by the Guardian. We have a window of time to act, but not much.
<u>Climate Innovation Ecosystem</u>	A resource hub including: A Climate innovation ecosystem across Aotearoa to accelerate cross-sector connections and action. By identifying key players, it enables people to quickly build networks and ensure representation and collaboration.

2. Examples of Climate Change Impacts in Aotearoa

Resource Link	Description
<u>Aotearoa in a Changing Climate Niwa</u>	A series of comprehensive reports on how climate change is already impacting Aotearoa New Zealand. Useful for those individuals who prefer science-based resources and who may want all information in one location.
<u>ClimateData</u>	High resolution climate data to help decision makers build a more resilient Aotearoa. This database provides technical data and related topics on weather patterns.
<u>Aftermath of Gabrielle: The long shadow of a Cyclone</u>	A well-documented and comprehensive exploration of the impacts of the 2023 Cyclone Gabrielle.
<u>Climate change implications for NZ</u>	A 2016 report by Te Apārangi (The Royal society of NZ) highlighting sensitivities and future projections for climate impact in Aotearoa.

3. Climate Action and Indigenous Rights and Jurisdiction

It can be useful to frame any climate action through a lens of Indigenous rights and sovereignty. The following resources share ways this can be done.

Resource Link	Description
<u>The Joy Report Podcast</u>	The Joy Report Podcast is dedicated to sharing stories about the climate justice.
<u>Climate Action needs new frontline leadership</u>	A TED Talk by Ozawa Bineshi Albert on net zero as a false solution and the importance of having leaders who are experiencing the harm to be the ones coming up with the solutions. Albert shares examples of community-led solutions from across North America.
<u>Climate Equity and the energy transition</u>	Exploring how New Zealanders feel about the energy transition.
<u>United Nations Declaration on the Rights of Indigenous Peoples</u>	The United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) is a universal framework outlining the human rights and minimum standards of survival, dignity, and wellbeing of Indigenous peoples. The Declaration recognises the knowledge, cultures, and traditional practices of Indigenous peoples as important elements in environmental protection.
<u>Indigenous knowledge change laws to personify nature</u>	A blog which provides examples of countries such as Hawaii, Ecuador and Aotearoa giving personhood to nature as a legislative protection. Perhaps the most well-known international example of environmental personhood is the Te Awa Tupua (Whanganui River Claims Settlement) Act of 2017 enacted by the New Zealand parliament, which was the first piece of legislation to declare a river to be a legal person.
<u>How Mana Whenua lead the way in environmental healing</u>	A visual blog in The Spin Off in collaboration with <u>Me Tū ā-Uru</u> showcasing how western science and Mātauranga Māori can improve our environment and our wellbeing.
<u>Tame Malcolm – the mātauranga of conservation</u>	30-minute keynote session from Tame Malcolm talking about the mātauranga (Māori knowledge) of conservation.
<u>Mātauranga Māori - what is it and how is it applied?</u>	A Climate Action Aotearoa resource that provides a high-level overview of mātauranga Māori - what it is and how it can be applied.

4. Getting Started with Climate Action

Resource Link	Description
<u>The most important thing you can do to fight climate change: talk about it</u>	In this famous TED Talk, Canadian Dr. Hayhoe shares why and how to talk about climate change across political divides.
<u>Climate Messaging that Works</u>	A practical, research-informed guide, with tips on how to talk about climate change
<u>Hot or Cool?</u>	A suite of resources on ways individuals can reduce their personal carbon footprints, produced by the Hot or Cool Institute, a global think tank exploring the intersection of society and sustainability.
<u>Project Drawdown Solutions</u>	A list of possible climate solutions that can be filtered by sources (e.g., electricity, agriculture, technology). <i>Note - Project Drawdown has a pro-growth, capitalistic focus, and solutions need to be viewed within that frame.</i>
<u>Green Infrastructure</u>	Article by The Conversation; It is important when evaluating “green” solutions to include an Indigenous lens and ensure that in supporting “natural solutions” or “nature-based solutions” you are upholding Indigenous rights.
<u>SDG NZ</u>	An overview of SDGs including SDG 13 (Climate Action) that outlines the rationale for action and ways we can act in Aotearoa New Zealand.
<u>NZ Superfund Climate Change Report 2023</u>	A report showing Climate Related Disclosures and metrics and targets set by a large investor. As long-term investors, we must integrate consideration of the financial risks and opportunities from climate change into our investment decisions and support the transition to a more sustainable financial system.