

How can we help biodiversity thrive through the innovative use of information and emerging technologies?

Consultation open from 28 November 2022 to 16 January 2023



Our draft Long-term Insights Briefing

The Department of Conservation – Te Papa Atawhai – and Toitū Te Whenua Land Information New Zealand are working together to produce a Long-term Insights Briefing.

The aim of the briefing is to enhance public debate and contribute to future decision-making for improved biodiversity outcomes.

The draft briefing takes a long-term view to consider information and emerging technology as tools for promoting thriving biodiversity, and the wider systems needed to support their safe and effective use.

This consultation is an opportunity to take part in a meaningful conversation that has implications for us all – now and in the future.

Context

Technology and information continue to be primary catalysts for change in the world.

Information and technologies are developing at speed and have the potential to transform what we know about, and what we can do to protect, biodiversity.

Remaining open to the possibilities that information and technology present may provide breakthrough opportunities for protecting biodiversity in the future.

Some insights in our draft briefing

Despite our best efforts, we are continuing to see biodiversity decline. Better information and new technologies could provide breakthrough opportunities for protecting our biodiversity.

Satellite imagery and remote sensing, artificial intelligence, and genetic tools are emerging technologies that have the potential to be scaled up to reduce pressure on biodiversity.

The systems that support the use of technology and information have a huge impact on its success or failure. The briefing provides options to ensure we are well placed to take advantage of the opportunities emerging technologies could provide in the future. This includes options to strengthen global partnerships, consider how specific technologies can align with te ao, mātauranga and tikanga Māori, encourage community engagement and participation, and strengthen funding and investment.

Trust needs to be built to ensure people are comfortable about the use of new technologies and innovative approaches to the use of data and information. The briefing provides options to support increased trust through good rules and oversight, transparency, robust risk assessment and the use of agreed ethical frameworks.

Your input

We are interested in your views on how we could use emerging technologies. Should we use them? If yes, why? If not, why not?

How could we use information better? Is there a better way to source data and share it?

How to contribute

To read our draft briefing and submit your feedback please visit our websites.



Department of Conservation
Te Papa Atawhai



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Nothing contained in the briefing constitutes government policy.