

Our Land and Water Challenge Principles

The Our Land and Water National Science Challenge (OLW) recognises that in negotiating the complex economic, environmental, social and cultural dimensions of New Zealand's land and water issues it needs to undertake its research in innovative and impactful ways. This means moving well beyond traditional approaches to science delivery.

Challenge Principles

OLW is committed to:

- Delivering transformational outcomes via clear pathways to impact
- Incorporating a Te Ao Māori perspective that is supported by appropriate research frames or whakapapa, where mātauranga is relevant
- A co-innovation approach where work programmes are developed and implemented in partnership with stakeholders and end users
- Taking a whole-systems approach across disciplines that values multiple sources of knowledge

OLW will invest in:

- Excellent, fit-for-purpose science with strong collaborations built on a co-innovation approach
- Programmes (large) and projects (small) that are well managed, with open communication within and outside of the Challenge, and clear lines of accountability for delivery
- Outputs that are accessible and meaningful to our stakeholders and research users

We expect participants in the Challenge to commit, and give effect, to these principles.

Shaping our investment

Our principles are reflected in our criteria for assessing and reviewing Challenge investments. These criteria will guide investment decisions by the Challenge. Programmes and projects are expected to address the criteria as appropriate to the size of investment (small or large), the area of research and stakeholder and/or end user needs.

Impact

We are looking for evidence of:

- The transformational outcome(s) that the research will contribute to and how this will be achieved
- Research that has been co-designed with stakeholders who have both interest in the issue being addressed and influence within their organisations/communities, and that there is an ongoing commitment to co-innovation
- How the research considers Te Ao Māori perspectives, and reflects Māori needs and aspirations

- Strong co-investment by stakeholders (e.g. 25% of total research)¹
- Appropriate methods to optimise the impact of the research, including clear pathways to implementation and strong focus on reducing barriers to uptake, and a plan for knowledge translation and dissemination

Excellence

We are looking for evidence that:

- The research is undertaken by the right team that includes a balance of capability and expertise ranging from students to experienced researchers, includes stakeholders, and contributes to the development of a collaborative, transdisciplinary research culture
- Principal investigators are resourced at or above 0.25FTE
- All projects or programmes specify a lead person or persons responsible for²:
 - delivery of the contract (Manager)
 - ensuring Te Ao Māori perspectives and appropriate research frames are woven through the research (Te Ao Māori)
 - conducting the science (Science)
 - ensuring the science is implemented (Implementation)
- A minimum of one paper per \$200k of investment in a high ranking, international scientific journal (top 25% in their field as indicated by SCOPUS). At least half of all papers co-authored with stakeholders
- At least one quarter of all papers co-authored with international collaborators.

Other Expectations

If funded, we expect project teams to:

- Acknowledge the research is part of the Our Land and Water National Science Challenge in all research outputs, all conference presentations, and workshops
- Participate in monitoring and evaluation, providing the reporting necessary to ensure ongoing science excellence and impact assessment by the challenge and to meet MBIE requirements³
- Make a positive contribution at the annual Challenge symposium and at least one other Challenge-organised workshop each year
- Make their knowledge accessible to the public in simple language (e.g. via OLW website and public outreach)
- Make all publications, data and software are open access
- Provide advance notice of publication to enable OLW communications staff to share their research with media

¹ This can be a combination of cash and in-kind resourcing (facilities or time).

² Multiple roles can be held by one person, but roles should, where appropriate, be spread across at least two providers (defined as both research or non-research entities).

³ This information will be used to review the project or programme. The outcome of these reviews will be a decision to continue, revise or stop the contracted work.