

BioHeritage Challenge KPIs

Performance Area	Summary	Target
1 Impact [BioHeritage specific KPIs]	Whakamana (empower): New Zealanders value our biological heritage and are enabled to actively contribute to positive change.	Demonstrate increase in community programmes directly related to the Challenge that are socialising the value of New Zealand's biological Starting baseline = average across all investments to 30 June 2019.
	Tiaki (protect): New Zealand's biosecurity system is fit for purpose.	At least two new (or substantial improvements to) control, surveillance or eradication tools/technologies , are being applied at the border and/or at a landscape scale. Barriers to adoption have been mitigated for at least one new technology. Annual progress will be reported in annual report narrative.
	Whakahou (restore): Technical, policy and governance frameworks are designed to ensure our ecosystems are resilient to current and future threats.	Frameworks that take into account whole system interdependencies (social, cultural and/or environmental) are being use by policymakers to improve the health and wellbeing of people and the environment. One framework by 2021 ; one more by 2023. Progress in intervening years reported in annual report narrative.
	Partnership with Māori: Māori partners are themselves championing the added value of working in a more collaborative and inclusive science environment. [Linked to performance Area 5]	At least one new 'partnership' case study has been provided by Māori partners each year , that demonstrates additionality and better outcomes from partnership at governance and/or management and/or science/research levels of the Challenge. To take the form of written or other media e.g. video, kapa haka.
	Leadership and direction: New Zealand researchers (including Challenge Parties) and stakeholders (including industry, private sector, government agencies, and Māori entities) are actively focusing their own strategic priorities on NZ's biological heritage, and have become more united in making strategic, long-term, impact-oriented progress in sustaining and restoring NZ's biological heritage. [Linked to performance Areas 4 and 6]	Demonstrate an increase in 'active' alignment of research investments and/or in-kind contributions focused on Strategic Outcome areas and maintain or grow the current level of Challenge input into strategic directions of key stakeholders. Baseline set in 2020 ; repeat analyses in 2021 and 2023. Starting baseline: Six Challenge Parties and/or stakeholders and/or research entities (e.g. B3; CoREs, Genomics Aotearoa) agree to alter the direction of their research investments, or assign personnel and/or capability, to one or more BioHeritage SOs.
1 Impact [Common KPI]	Impact case studies demonstrating that Challenge outputs are valued by stakeholders and are being used (or have the potential) to deliver benefit for NZ.	4 impact case studies annually for NSCs that receive between \$30m and \$50m in phase two.
2 Science Excellence [Common KPI]	The number of Challenge publications accepted by the top 25% of journals worldwide , as ranked by field-normalised impact factor.	MBIE to set baseline after further advice from evaluation team. (bibliographic analysis undertaken by MBIE of published research papers in the reporting year)
	The citation score of publications , normalised by field, publication type, and publication year	MBIE to set baseline after further advice from evaluation team. (bibliographic analysis undertaken by MBIE of published research papers in the reporting year).
	The number of Challenge publications ranked in the year's top 10% .	MBIE to set baseline after further advice from evaluation team. (bibliographic analysis undertaken by MBIE of published research papers in the reporting year)
	Science excellence is independently monitored through Challenge ISAPs (or equivalent).	Evidence that the ISAP annually reviews part of the research portfolio , and at least biennially provides the a report that comments on science strategy and assurance of science excellence.
3 Best Research Team Collaboration [Common KPI]	The proportion of publications produced as the result of domestic, or domestic and international, collaboration.	Annual targets: >70% of publications with co-authors from more than 1 NZ-based institution and/or iwi and/or community group; >25% with international co-authors (bibliographic analysis undertaken by MBIE)
	Effectiveness of team , e.g. science leadership, skill expertise mix, collaborations with Māori, stakeholders and end-users	Biennial survey conducted by MBIE. Positive trend continued from baseline established in phase one. (survey conducted by MBIE).
4 Stakeholder Engagement [Common KPI]	Satisfaction among stakeholders with their involvement in research priority setting and co-design and co-delivery of research projects	Biennial survey conducted by MBIE. Positive trend continued from baseline established in phase one. (survey conducted by MBIE).
	Satisfaction among stakeholders with knowledge exchange and technology development and access to research delivered by the Challenge.	Biennial survey conducted by MBIE. Positive trend continued from baseline established in phase one. (survey conducted by MBIE)
5 Vision Mātauranga [Common KPI]	Satisfaction among Māori stakeholders with their influence on, engagement with, and value received from the Challenge).	Biennial survey conducted by MBIE. Positive trend continued from baseline established in phase one. (survey conducted by MBIE)
	Māori in positions of leadership within the Challenge (e.g. governance and management, programme leadership).	Annually equal or exceed average FTE of Māori in positions of leadership from Tranche 1 (to 30 June 2019)
	Challenge funding invested in Māori-led or Kaupapa Māori research.	Maintain or increase the proportion of the total Challenge budget invested in Māori-led or Kaupapa Māori research each year from baseline set from average in Tranche 1
6 Governance and Management [Common KPI]	Qualitative assessment* of governance effectiveness and management including structure, processes, and relationships with Challenge host, and advisory groups (if in operation). *Self- or external assessment.	Annual survey conducted by Challenges (at least one external assessment before 2022). MBIE satisfaction with results of governance assessment.
7 Public Awareness and Engagement [Common KPI]	Targeted outreach activities transferring information to the public.	Communications strategy developed/revisited by June 2020.