

Impacts

Strategic Outcomes

2024 Goals

Critical Steps – the pathway to impact

KPI: 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.
MEASURE: 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.

KPI: Partnership with Māori: Māori partners are themselves championing the added value of working in a more collaborative and inclusive science environment.
MEASURE: At least one new 'partnership' case study provided by Māori partners each year; demonstrates additional and better outcomes from partnership at governance/management/research levels.

New Zealanders value our biological heritage, understand how it is changing, and are inspired to take action to protect it
 By 2024, a majority of New Zealanders value our biological heritage, & are enabled to actively contribute to positive change

KPI: Whakamana (empower): New Zealanders value our biological heritage and are enabled to actively contribute to positive change.
MEASURE: Demonstrate year-by-year increase in community programmes directly related to the Challenge that are socialising the value of New Zealand's biological heritage through the arts, culture, or community restoration activities. Starting baseline = average across all investments to 30 June 2019.

New Zealand's biosecurity system is world class
 By 2024, New Zealand's biosecurity system is fit for purpose

KPI: Tiaki (protect): New Zealand's biosecurity system is fit for purpose.
MEASURE: At least two new control, surveillance or eradication tools/technologies, and/or substantial improvements to existing tools/technologies and strategies, are being applied at the border and/or at a landscape scale. Barriers to adoption at border/landscape scale have been mitigated for at least one new technology. Annual progress will be reported in annual report narrative.

New Zealand's natural and production ecosystems are resilient and thriving
 By 2024, we understand social and ecological linkages in natural and production ecosystems, and will be designing technical, policy and governance frameworks to ensure our ecosystems are resilient to current & future threats

KPI: Whakahou (restore): Technical, policy and governance frameworks are designed to ensure our ecosystems are resilient to current and future threats.
MEASURE: Frameworks (developed e.g. in SO7) 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 will be reported in annual report narrative.

SO1: We report progress using a biological heritage scorecard for Aotearoa

We know what and how to measure

Scorecards as catalysts for action

Influential, adaptive scorecards that empower

SO2: We empower New Zealanders to demand and enact environmental stewardship and kaitiakitanga

Local communities develop and realise BioH aspirations

Support the tools, frameworks and tikanga protocols developed elsewhere in Challenge

Legislative and socio-cultural licence

SO3: We anticipate both emerging & latent biosecurity risks, and avoid new or recurring invasions

Participation: Mana whenua and key participants active in risk ID

Values: Prioritise biosecurity risks through Māori values lens

Impact: Dynamic and adaptable biosecurity risk

SO4: We have state-of-the-art biosecurity surveillance systems

Much earlier detection

Real-time monitoring of system changes

Māori co-designed surveillance

Communities involved in surveillance

New surveillance tools

SO5: We deploy novel tools, technologies & strategies for control or eradication of biotic threats

2-3 new tools for border biosecurity pests and/or vertebrate & invertebrate legacy pests

Accelerate deployment of 2-3 new tools at scale

Support PF2050

SO6: We quantify social-ecological linkages for use in managing, protecting and restoring ecosystems

Characterise connections between people and nature

Value connections between people and nature

Foster better connections via diverse, successful, practical regeneration pathways

SO7: We enable people to build biological heritage resilience with the right policy and governance instruments

Mana whenua enabled and resourced to participate as partner

New governance architecture for biological heritage resilience

Capability to reverse the decline lifted and sustained

