



17% of our  
GDP depends  
on the top 15%  
of our soil

**Soil management supports our  
productive industries and is vital  
to New Zealand.**

## The programme

SLURI is a collaborative research programme between Plant & Food Research, Landcare Research and AgResearch. It works with key stakeholders and other research organisations to conduct research on the sustainable management and use of soil resources, and develops new tools for regulators and land managers.

## Objectives

SLURI aims to enhance the value of New Zealand's land-based industries and avoid export and shelf-access barriers by demonstrating the sustainable use and good health of our productive soils. The programme is structured around three key themes:

- Soil organic matter, carbon stocks and nutrient cycling
- Soil intactness and integrity
- Soil natural capital valuation.

## Outcomes

SLURI is developing evidence-based tools that can be applied across a range of scales to our arable, pastoral and horticultural sectors by:

- Developing new knowledge of the roles that soil organic matter and physical integrity play in soil functioning and soil health
- Identifying indicators of soil organic matter and physical integrity that can be applied to manage New Zealand's diverse set of soils and land uses
- Developing new understanding of the processes that confer intactness and resilience to New Zealand's soils
- Using knowledge from this and other soil-related programmes on the functioning, health and resilience of New Zealand's soils to value economically the ecosystem and productive services provided by our soils
- Integrating and assessing the ecosystem and productive services provided by soils by defining their natural capital value and determining the impacts and trade-offs of different land use patterns at local, regional and national scales on natural capital values.



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RANGAHAU AHUMĀRA KAI 