

# OUR LAND AND WATER SYMPOSIUM

Kia Mauri Ora te Whenua



FUTURE LANDSCAPES

## Pohewa Pae Tawhiti Visualizing horizons

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## FUTURE LANDSCAPES

In the future landscapes contain mosaics of land use that are more resilient, healthy and prosperous than today.

### Strategic Area 1

*Be able to see what diversity is possible and match land use to what it is suitable for.*

### Strategic Area 2

*Understand and model the management of land and water quality.*

### Strategic Area 3

*Provide the novel production systems that use healthy land and water to generate high-value products.*



## INCENTIVES FOR CHANGE

New Zealand's primary producers are well-rewarded for producing high-value products in sustainable ways.

### Strategic Area 4

*Capture and share with the producers more of the value consumers associate with our products.*

### Strategic Area 5

*Increase and share value based on mechanisms that rewards sustainable land use and high-value products.*

### Strategic Area 6

*Enable communities to identify and adopt sustainable land use practices.*



## CAPACITY FOR TRANSITION

We understand what it will take, and have the tools to help us, transition to resilient, healthy and prosperous futures.

### Strategic Area 7

*Increase our social capital so that we can have well informed debate about alternative futures.*

### Strategic Area 8

*Act as kaitiaki, being responsible for our actions within enterprises, in a catchment and beyond.*

### Strategic Area 9

*Manage pressures and remove the barriers to a transition.*

# What is the problem?

*Well planned & managed diverse landscapes have potential to capture multi-functionality of different enterprises & enhance multiple well-beings.*

- Decision-making for land-use change is complex & must balance environmental, social, cultural & financial impacts.
- Decision-makers cannot create pictures in their minds to understand the effects of large system changes and the flow-on effects to multiple objectives and well-beings from their personal world-view  
*(& if they could they would not be able to communicate that understanding to others).*



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# What is the solution?

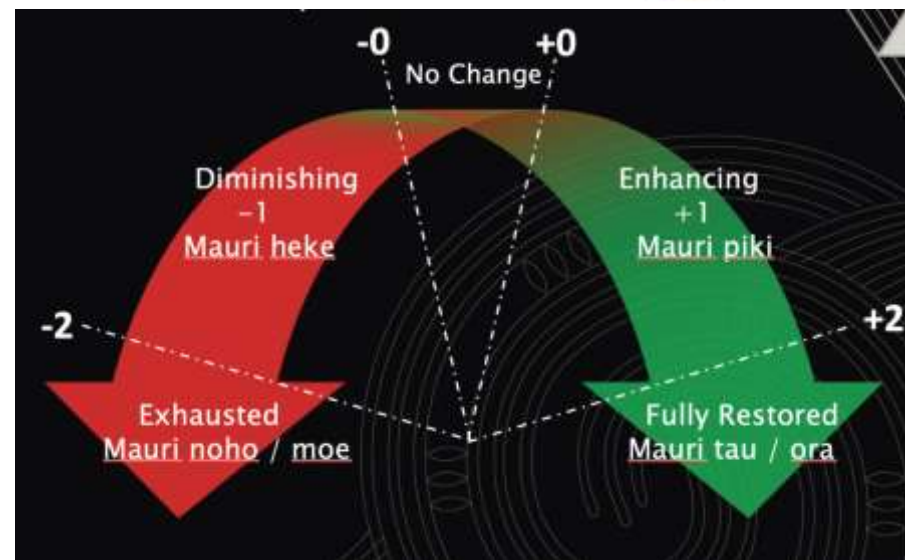
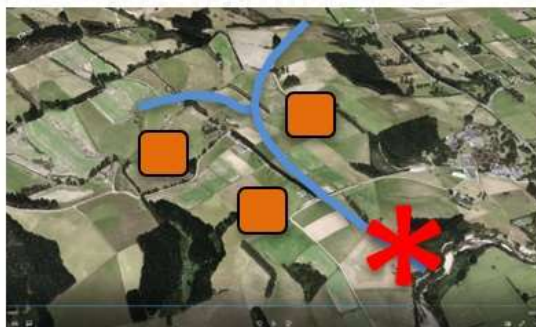
Can visualisation of proposed new land uses accelerate high-quality decision making and transition to landscapes that are more diverse and supportive of multiple well-beings



Change at the farm level

*I can see how changes on my farm influence catchment outcomes*

Response at catchment level



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## Who using the research to make a difference?

Individual farmers/corporates (iwi & hapū) who may be considering diversifying their portfolio of land-based enterprises and products in order to take advantage of new market opportunities or conform to emissions regulations, rules and guidelines.

Policy makers –developing/testing policies for impact on the environment and communities at the local, regional or national scale

Industries who would like to identify and incentivise sustainable practices amongst suppliers or who are seeking to develop new products/markets

Communities who want to explore new futures and enable a common platform to share options and views.

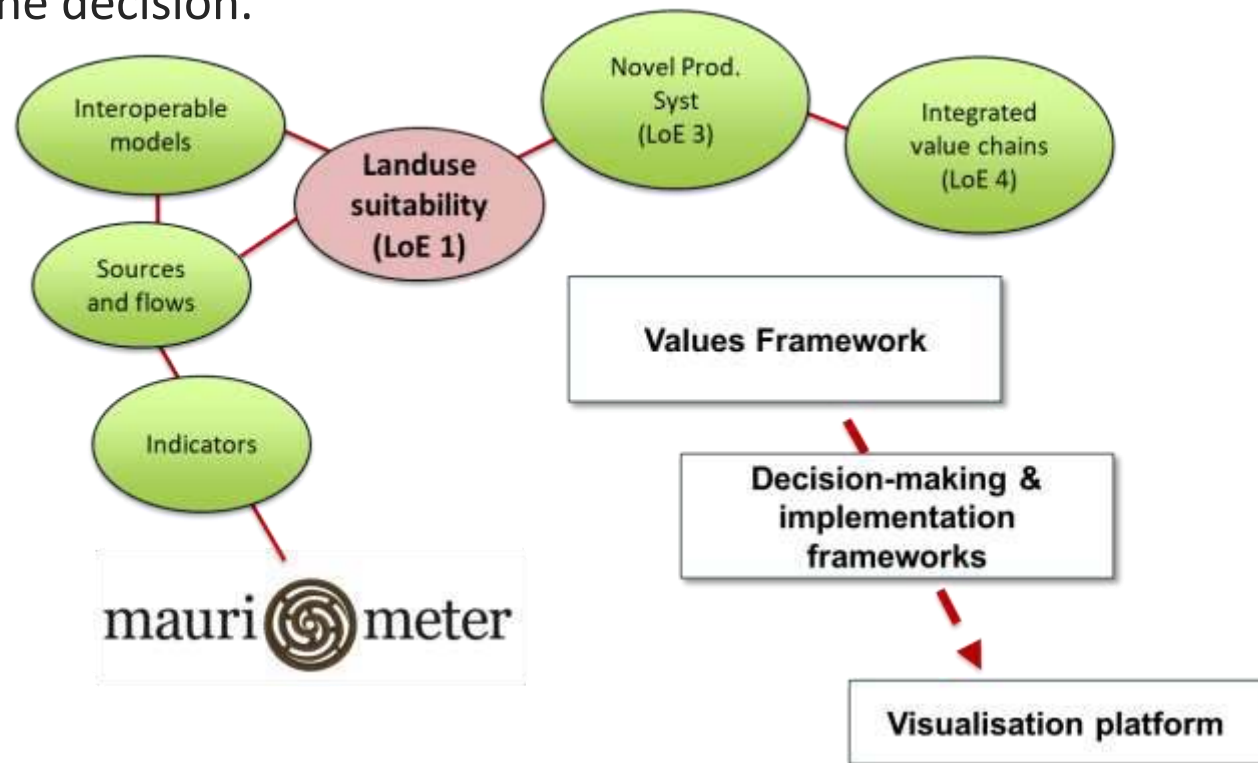


# How is it building towards the OL+W goal?

Project is exemplar of how to develop a successful project with vision Mātauranga at its core.

Enhanced confidence in landuse decisions & more rapid transition to a diverse mosaic of land uses that delivers better economic, environmental, social, cultural results than the current mix of land-uses.

Increased trust by community in land-use decisions because they can see the 'story' around the decision.



# Collaborators

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TE ARAWA PRIMARY SECTOR INC.



## Team

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## More Information

<https://ourlandandwater.nz/news/bringing-future-landscapes-to-life-with-a-visualisation-tool/>