

OUR LAND AND WATER SYMPOSIUM

Kia Mauri Ora te Whenua



CAPACITY FOR TRANSITION

Mauri Whenua Ora

Hirini Tane



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.

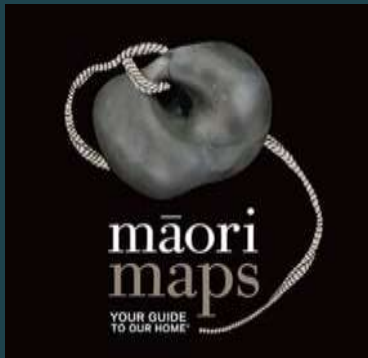
Strategic Area 9

Manage pressures and remove the barriers to a transition.

What is the problem?



CAPACITY
FOR TRANSITION



What is the solution?

- User-friendly geospatial representations of ancestral land and waterscapes
- Community-end user in mind
- Notwithstanding on the ground information available – farm consultants/Lidar/attenuation reports etc
- **Socio-economic dimension**



CAPACITY
FOR TRANSITION

Mapping 'Normal'



Whaka-papa

TAITOKERAU MAP

Developing a decision-support tool (map and information) to help plan shared iwi aspirations for land innovation

(Not here but can include climate info)

Marae (incl. people demographics)
map information

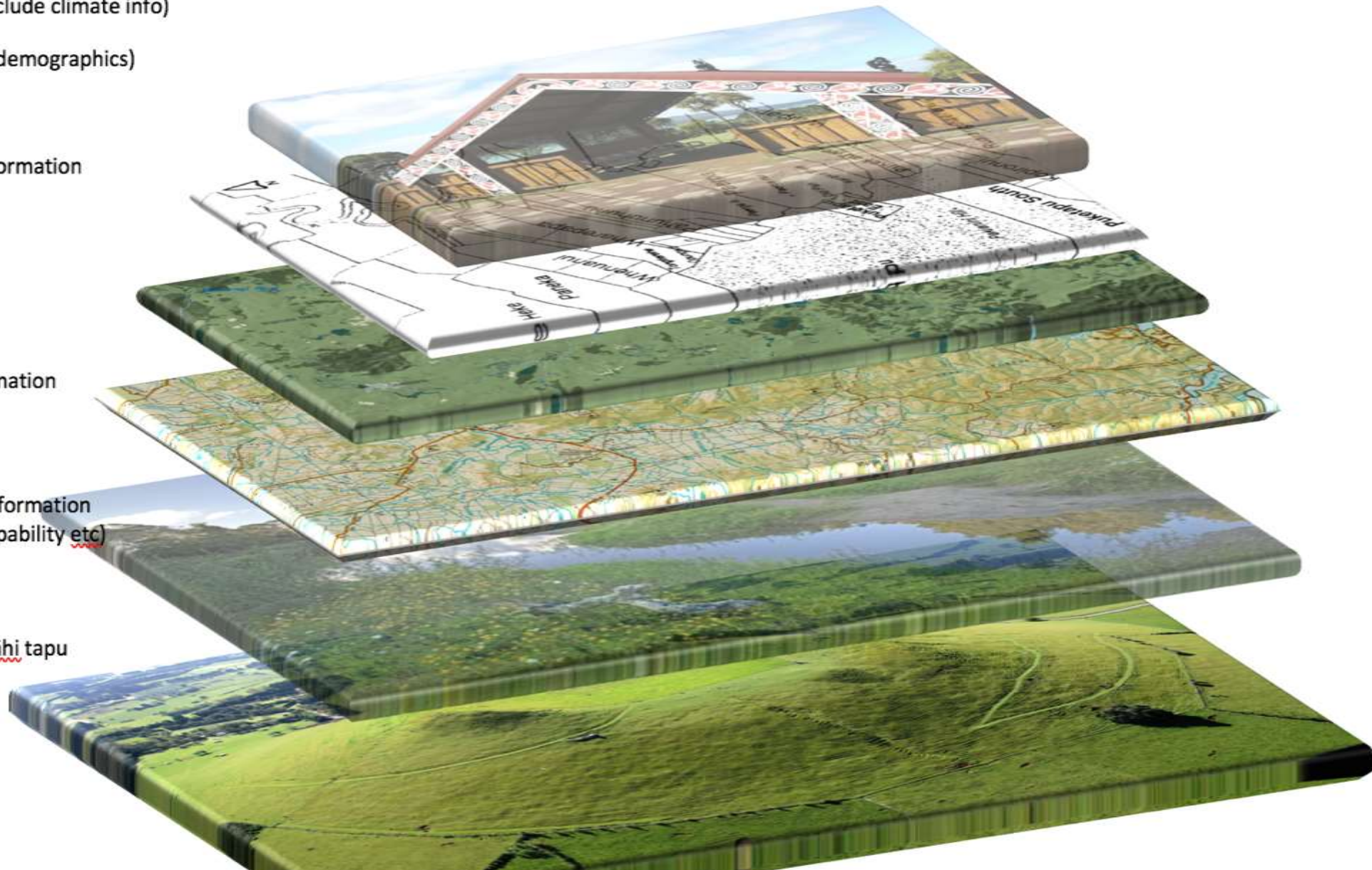
Māori land block information

Soil information

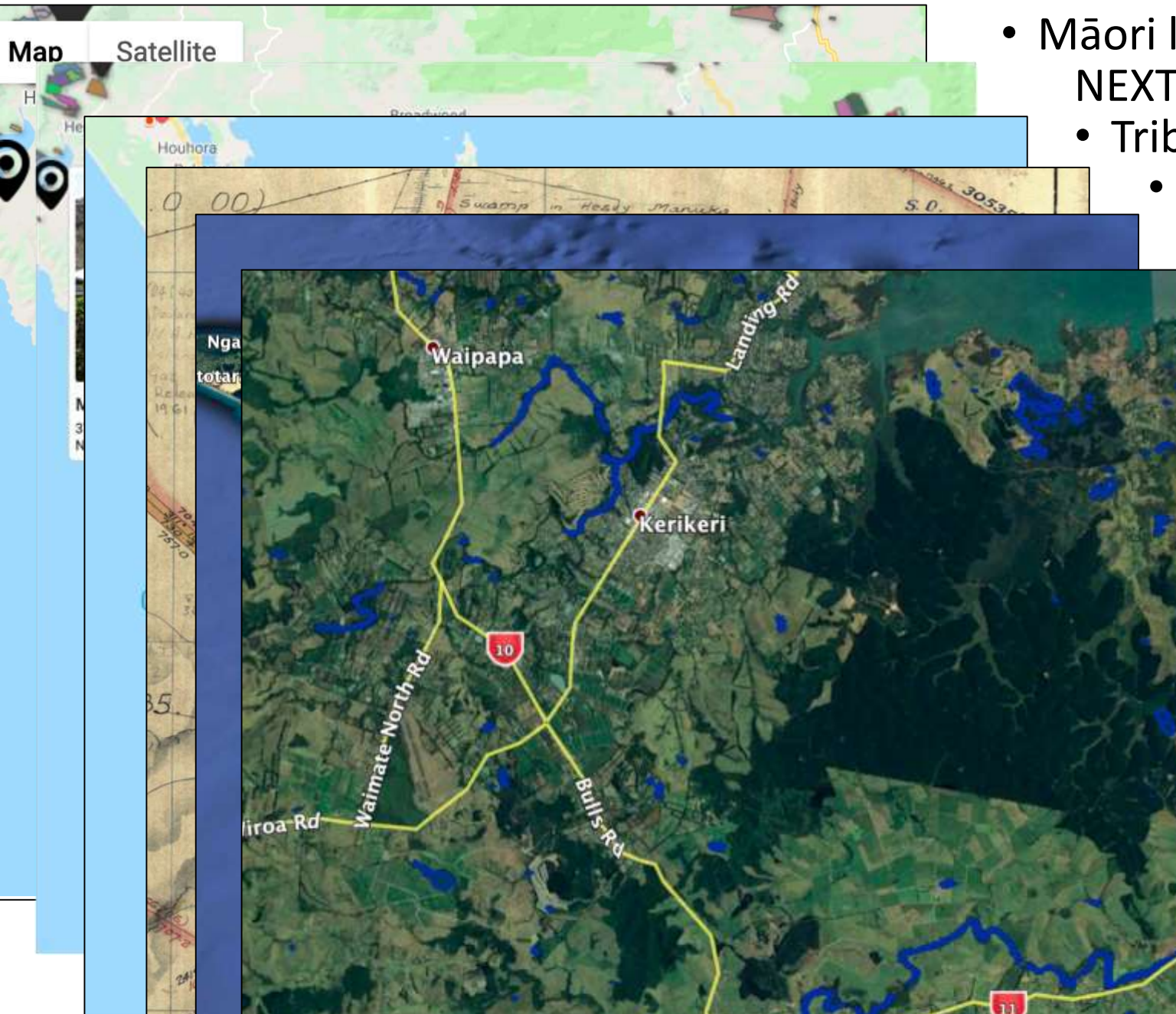
Topographical information

Waterway quality information
(incl. attenuation capability etc)

Pā, wāhi hirahira, wāhi tapu
information



Layers of understanding



- Māori land (portal approach)
NEXT:
 - Tribal descendants (iwi data)
 - Historical Maps
 - Pā (ancestral settlements)
 - Waterbodies/
catchments/
quality

Platform development

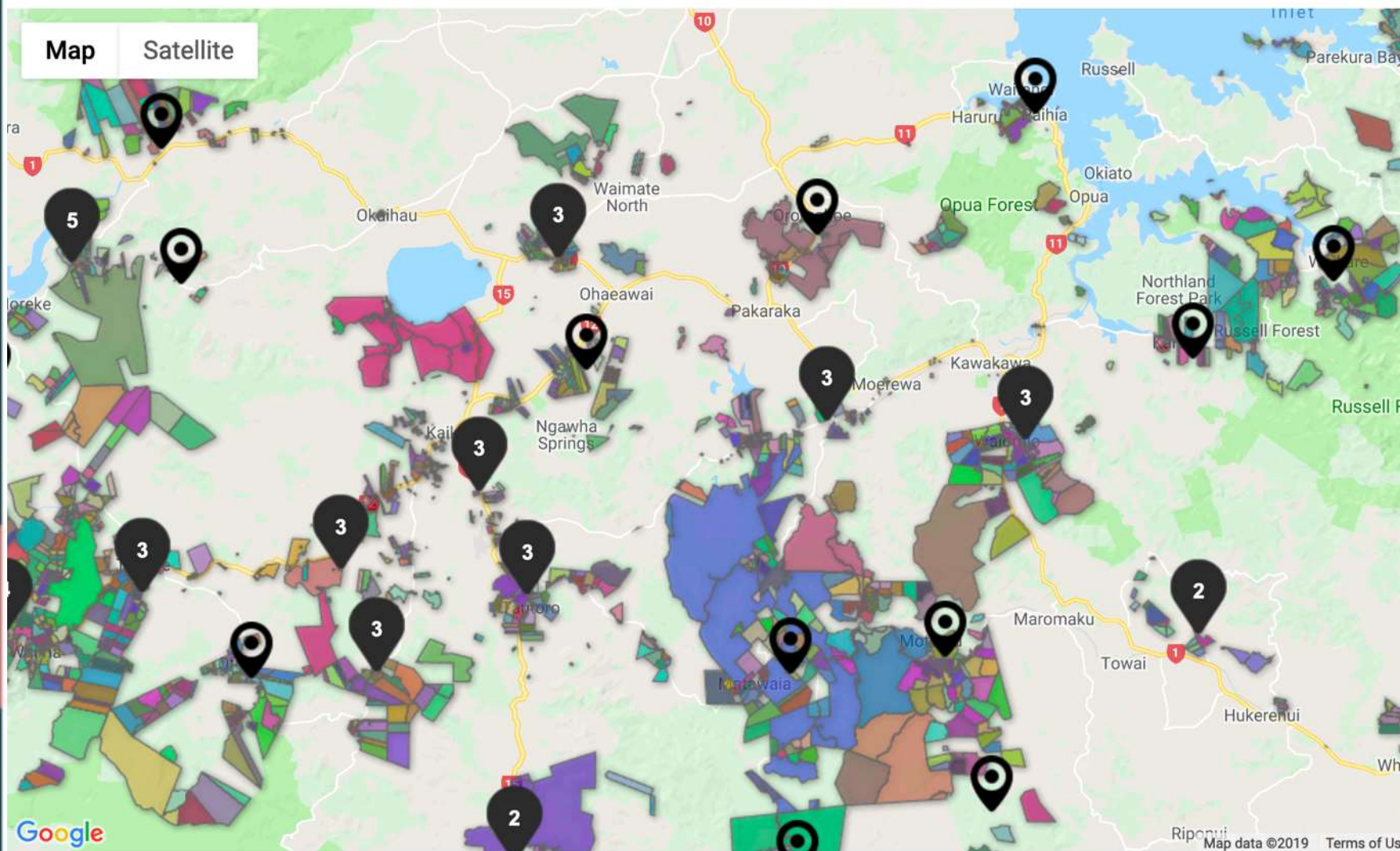
Who is using the research to make a difference?

- Māori land trusts – marae, local residents, increasingly, non-local descendants seeking to understand and connect to their ancestral land
- Co-research, co-design, and co-creation with communities, marae, Māori land trusts, producers/farmers/growers
- Data is data and is not a solution in itself – information paralysis



How is it building towards the Our Land and Water goal?

- TOWARD A MOSAIC OF LAND USE IN AOTEAROA?

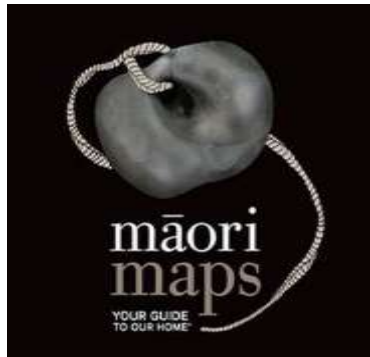


CAPACITY
FOR TRANSITION

Collaborators

Collaborators

Te Potiki National Trust



Team

Merata Kawharu (UO)
Paul Tapsell (UM)
Stephen McTaggart (UoA)
Krushil Watene (Massey)
Hauti Hakopa (UO)
Garth Harmsworth (MW)
Tanira Kingi (Scion)
Hirini Tane (TPNT/UO)

More Information

Images: Krzysztof Pfeiffer

ourlandandwater.nz/capacity-for-transition/mauri-whenua-ora/

www.maorimaps.com

@maorimaps